


UNIVERSITY OF ILLINOIS
ANNUAL REGISTER

1921-1922



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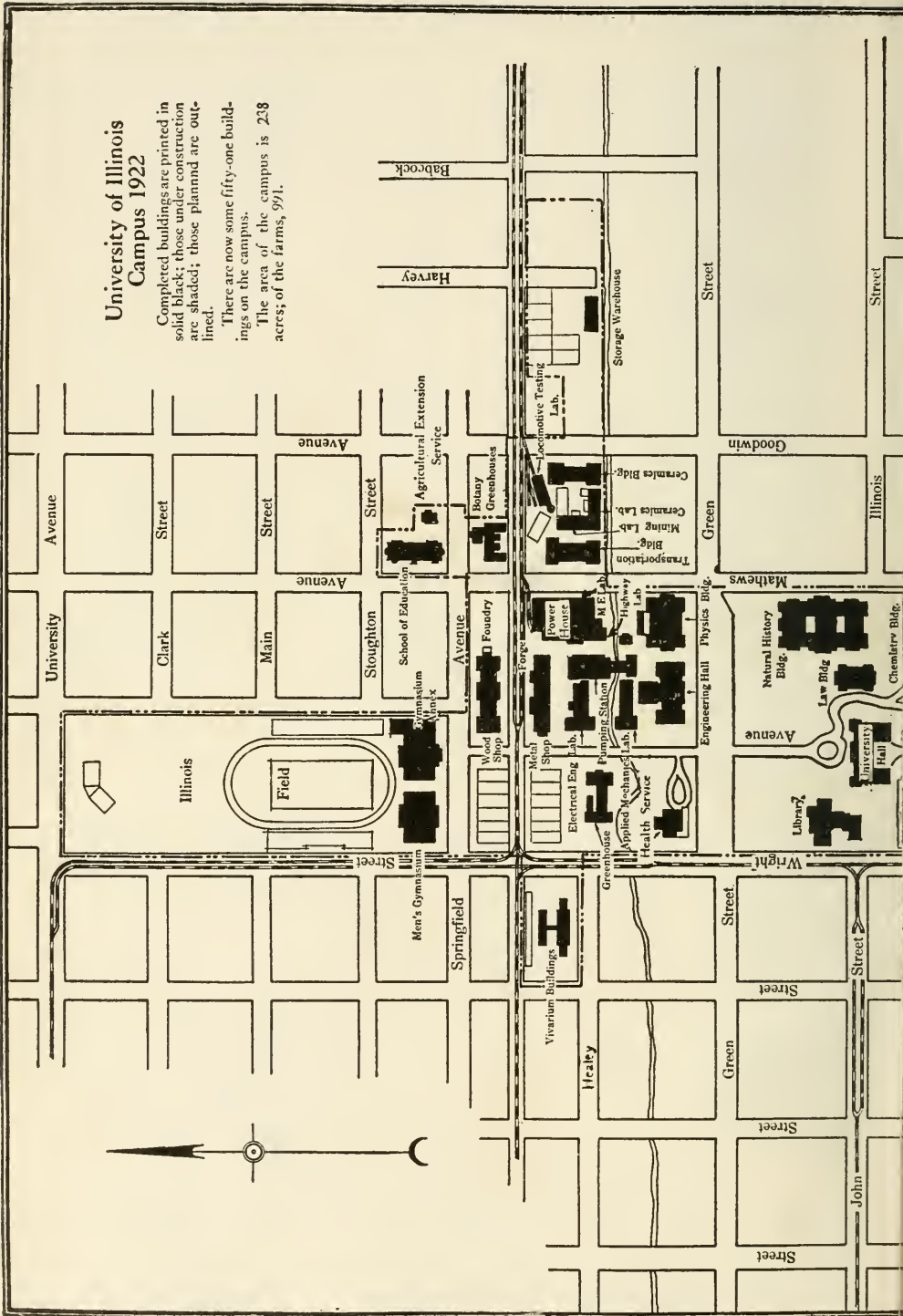
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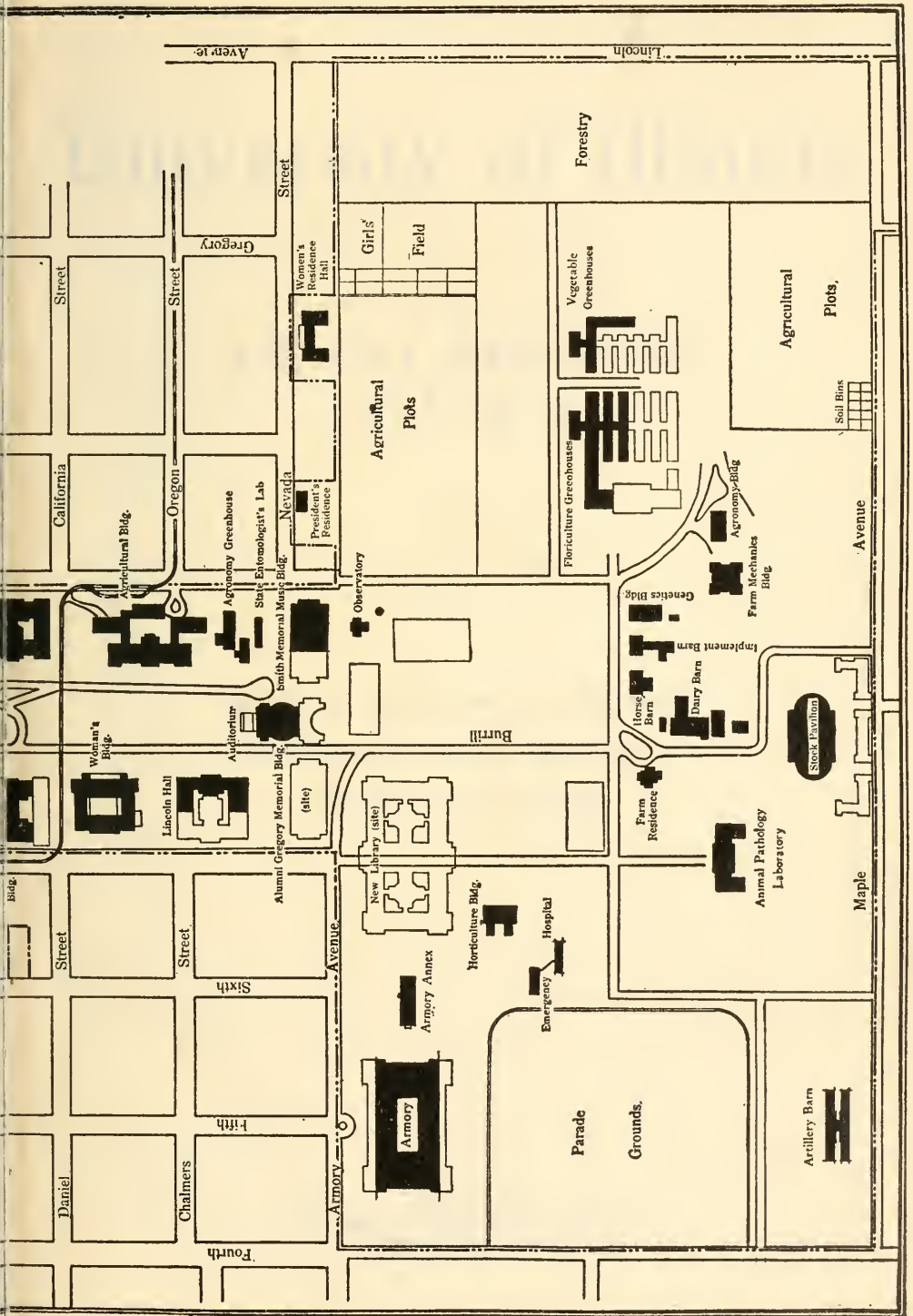
University of Illinois Campus 1922

Completed buildings are printed in solid black; those under construction are shaded; those planned are outlined.

There are now some fifty-one buildings on the campus.

The area of the campus is 238 acres; of the farms, 971.







Date	Description	Debit	Credit
1890	Jan 1		
1890	Jan 15		
1890	Feb 1		
1890	Mar 1		
1890	Apr 1		

Learning and Labor

University of Illinois

ANNUAL REGISTER 1921-1922

General Announcements, 1922-1923

Faculty and Courses, 1921-1922

Students, 1921-1922

URBANA
PUBLISHED BY THE UNIVERSITY
FEBRUARY, 1922

Journal of the Royal Society of Medicine

Volume 47, Part 1
January 1954

Editorial Board
President: Sir John Peel
President-elect: Sir John Peel
President: Sir John Peel



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CALENDAR 1921, 1922, 1923

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THE UNIVERSITY CALENDAR

1921-1922-1923

FIRST SEMESTER, 1921-1922

Sept. 13, Tues., 10 a. m.	Quarterly meeting of the Board of Trustees
Sept. 12-16, Mon.-Fri.	Entrance examinations, Urbana and Chicago
SEPT. 19-20, MON.-TUES.	REGISTRATION DAYS
Sept. 19-24, Mon.-Sat.	Examinations for removal of conditions, Chicago Professional Schools
Sept. 21, Wed., 8 a. m.	Instruction begun
4 p. m.	Freshman convocation
Sept. 23, Fri., 8 p. m.	President's reception, Woman's building
Sept. 23-24, Fri.-Sat.	Registration begun, Chicago Professional Schools
	Latest day for change of study list without fee
Sept. 26, Mon.	Military Drill and Hygiene lectures (Hygiene 1 for men and 2 for women) begun
Sept. 26, Mon., 8 a. m.	First semester begun, Chicago Professional Schools
Oct. 1, Sat., 5 p. m.	Latest day for rebates in full
	Registration closed, Colleges of Medicine and Dentistry
Oct. 3, Mon., 4 p. m.	Senate meeting
Oct., about the 15th	Inspection trip, College of Engineering
Oct. 15, Sat.	Assignment of vacant scholarships in agriculture and home economics
Oct. 20-22, Thurs.-Sat.	Inspection trips, Architecture and Architectural Engineering
Nov. 7, Mon., 5 p. m.	Latest day for announcement of subjects for all undergraduate and graduate theses
Nov. 11, Fri.	Armistice Day convocation
Nov. 17-19, Thurs.-Sat.	High school conference
Nov. 19, Sat.	Home economics inspection trip
	Latest day for rebate of one-half fees
	Latest day for removal by seniors graduating in February of last semester or summer session failures, and for substitutions in courses
Nov. 23, Wed., 12 m.	Thanksgiving recess begun, Chicago Professional Schools
Nov. 24, Thurs.	Thanksgiving Day
Nov. 28, Mon., 8 a. m.	Instruction resumed, Chicago Professional Schools
Dec. 3, Sat.	Illinois Day
Dec. 5, Mon., 4 p. m.	Senate meeting
Dec. 9, Fri., 8 p. m.	Iowa-Minnesota-Illinois debates
	Junior promenade
Dec. 13, Tues., 10 a. m.	Quarterly meeting of the Board of Trustees
8 p. m.	Christmas concert
Dec. 22, Thurs., 11 a. m.	Holiday recess begun
Dec. 22, Thurs., 6 p. m.	Holiday recess begun, Chicago Professional Schools
Dec. 31, Sat., 5 p. m.	Latest day for submission of outlines of theses by candidates for professional degrees in engineering

1922

Jan. 3, Tues., 8 a. m.	Instruction resumed, Chicago Professional Schools
1 p. m.	Instruction resumed
Jan. 16-28	Short courses in agriculture and home economics
Jan. 10, Tues.	Time limit on special examinations effective
Jan. 21, Sat.	Semester examinations begun
Feb. 6, Mon., 4 p. m.	Senate meeting
Jan. 30-Feb. 3, Mon.-Fri.	Semester examinations, Chicago Professional Schools
Feb. 1-4, Wed.-Sat.	Entrance examinations
Feb. 1, Wed.	Semester examinations ended

SECOND SEMESTER, 1921-1922

Feb. 6, Mon., 8 a. m.	Second semester begun, Chicago Professional schools
FEB. 6-7, MON.-TUES.	REGISTRATION DAYS
Feb. 8, Wed., 8 a. m.	Instruction begun
Feb. 11, Sat., 5 p. m.	Last day for change of study list without fee
Feb. 12, Sun.	Lincoln Day
Feb. 13, Mon.	Time limit on special examinations expires
Feb. 13, Mon., 4 p. m.	Senate meeting
Feb. 18, Sat.	Last day for rebates in full
Feb. 22, Wed.	Washington Day
Feb. 24, Fri.	Military Ball
Mar. 2, Thurs.	University Day
Mar. 3, Fri.	Annual Band Concert
Mar. 14, Tues.	Annual meeting of the Board of Trustees
Mar. 17, Fri.	Michigan-Illinois-Wisconsin debate
Apr. 1, Sat., 5 p. m.	Latest day for filing of completed theses by candidates for professional degrees in engineering
Apr. 3, Mon., 4 p. m.	Senate meeting
Apr. 8, Sat., 12 m.	Latest day for rebates of one-half fees and for removal by seniors of first-semester failures, and for substitutions in course
Apr. 12, Wed., 6 p. m.	Easter recess begun, Chicago Professional Schools
Apr. 13, Thurs., 11 a. m.	Easter recess begun
Apr. 17, Mon., 8 a. m.	Instruction resumed, Chicago Professional Schools
Apr. 18, Tues., 1 p. m.	Instruction resumed
May 6, Fri.	Northern Oratorical League contest
May, between 15 and 31	Hazelton prize drill
May 13, Sat., 12 m.	Annual inspection
May 16, Tues.	Company competitive drill
May 19, Fri.	Latest day for the receipt by the Dean of the Graduate School of certified copies of doctors' theses
May 20, Sat.	Time limit on special examinations effective
May 27, Sat.	Interscholastic oratorical contest
May 30, Tues.	Interscholastic athletic meet
May 30, Tues.-June 9, Fri.	Final examinations begun
June 1, Thurs.	Memorial Day. Military Day.
June 3, Sat.	Final examinations, Chicago Professional Schools
June 5, Mon., 4 p. m.	Latest day for acceptance of undergraduate theses
June 7, Wed.	Latest day for receipt by the Dean of the Graduate School of certified copies of masters' theses
June 9, Fri.	Senate meeting
June 11, Sun.	Final examinations ended
June 12, Mon.	Class day, College of Dentistry
June 13, Tues. 8:30 p. m.	Class day, and alumni meeting, College of Medicine
June 14, Wed. 10 a. m.	Baccalaureate address
June 15, Thurs. 10 a. m.	Class day
June 16, Fri. 10 a. m.	Senior ball
June 17, Sat. 10 a. m.	Alumni day
June 18, Sun. 10 a. m.	Quarterly meeting of the Board of Trustees
June 19, Mon. 10 a. m.	FIFTY-FIRST ANNUAL COMMENCEMENT

SUMMER SESSION, 1922

JUNE 19, MON.	REGISTRATION DAY
June 20, Tues., 8 a. m.	Instruction begun
June 27, Mon., 5 p. m.	Latest day for rebates in full
July 15, Sat., 12 m.	Latest day for rebates of one-half fees
Aug. 11-12, Fri.-Sat.	Final examinations

FIRST SEMESTER, 1922-1923

Sept. 11-16, Mon.-Fri.	Entrance Examinations, Urbana and Chicago
Sept. 12, Tues., 10 a. m.	Quarterly meeting of the Board of Trustees
SEPT. 18-19, MON.-TUES.	REGISTRATION DAYS

Sept. 18-23, Mon.-Sat.	Examinations for removal of conditions, Chicago Professional Schools
Sept. 20, Wed., 8 a. m.	Instruction begun
4 p. m.	Freshman convocation
Sept. 22-23, Fri.-Sat.	Registration begun, Chicago Professional Schools
Sept. 23, Sat., 5 p. m.	Latest day for change of study-list without fee
Sept. 25, Mon.	Military Drill and Hygiene lectures (Hygiene 1 for men, and 2 for women) begun
Sept. 25, Mon., 8 a. m.	First semester begun, Chicago Professional Schools
Sept. 30, Sat., 12 m.	Latest day for rebates in full
	Registration closed, Colleges of Medicine and Dentistry
Oct. 2, Mon., 4 p. m.	Senate meeting
Oct. 16, Mon.	Assignment of vacant scholarships in agriculture and home economics
Oct. 26-28, Thurs.-Sat.	Inspection trips, College of Engineering
Nov. 6, Mon., 5 p. m.	Latest day for announcement of subjects for all undergraduate and graduate theses
Nov. 11, Sat.	Armistice Day Convocation
Nov. 16-18, Thurs.-Sat.	High School conference
Nov. 18, Sat., 12 m.	Home Economics inspection trip
	Latest day for rebate of one-half fees
	Latest day for removal by seniors graduating in February of last semester or summer session failures, and for substitution in course
Nov. 22, Wed., 12 m.	Thanksgiving recess begun, Chicago Professional Schools
Nov. 23, Thurs.	Thanksgiving Day
Nov. 27, Mon., 8 a. m.	Instruction resumed, Chicago Professional Schools
Dec. 3, Sun.	Illinois Day
Dec. 4, Mon., 4 p. m.	Senate meeting
Dec. 12, Tues., 10 a. m.	Quarterly meeting of the Board of Trustees
8 p. m.	Christmas concert
Dec. 8, Fri., 8 p. m.	Iowa-Minnesota-Illinois debates
	Junior promenade
Dec. 22, Fri., 11 a. m.	Holiday recess begun
Dec. 23, Sat., 6 p. m.	Holiday recess begun, Chicago Professional Schools
Dec. 30, Sat., 5 p. m.	Latest day for submission of outlines of theses by candidates for professional degrees in engineering.
1923	
Jan. 3, Wed., 8 a. m.	Instruction resumed, Chicago Professional Schools
1 p. m.	Instruction resumed
Jan. 9, Tues.	Time limit on special examinations effective
Jan. 15-26	Short courses in agriculture and home economics
Jan. 20, Sat.	Semester examinations begun
Jan. 29-Feb. 2, Mon.-Fri.	Semester examinations, Chicago Professional Schools
Jan. 31-Feb. 3, Wed.-Sat.	Entrance examinations
Jan. 31, Wed.	Semester examinations ended

SECOND SEMESTER, 1922-1923

Feb. 5, Mon., 8 a. m.	Second semester begun, Chicago Professional Schools
4 p. m.	Senate meeting
FEB. 5-6, MON.-TUES.	REGISTRATION DAYS
Feb. 7, Wed., 8 a. m.	Instruction begun
Feb. 10, Sat., 5 p. m.	Latest day for change of study-list without fee
Feb. 12, Mon.	Lincoln Day
	Time limit on special examinations expires
Feb. 17, Sat.	Last day for rebates in full
Feb. 22, Thurs.	Washington Day
Feb. 23, Fri.	Military Ball
Mar. 2, Fri.	University Day
	Annual Band Concert

Mar. 13, Tues.	Annual meeting of the Board of Trustees
Mar. 16, Fri.	Michigan-Illinois-Wisconsin debate
Mar. 28, Wed., 6 p. m.	Easter recess begun, Chicago Professional Schools
Mar. 29, Thurs., 11 a. m.	Easter recess begun
Mar. 31, Sat., 12 m.	Latest day for filing of completed theses by candidates for professional degrees in engineering.
Apr. 2, Mon., 8 a. m.	Instruction resumed, Chicago Professional Schools
4 p. m.	Senate meeting
Apr. 3, Tues., 1 p. m.	Instruction resumed
Apr. 7, Sat., 12 m.	Latest day for rebates of one-half fees, and for removal by seniors of first semester failures, and for substitutions in course
May 4, Fri.	Northern Oratorical League contest
May 12, Sat., 12 m.	Latest day for the receipt by the Dean of the Graduate School of certified copies of doctors' theses
May, between 15 and 31	Hazelton prize drill
	Annual inspection
	Company competitive drill
May 15, Tues.	Time limit on special examinations effective
May 18, Fri.	Interscholastic oratorical contest
May 19, Sat.	Interscholastic athletic meet
May 26, Sat.	Final examinations begun
May 28, Mon.	Military Day
May 30, Wed.	Memorial Day
May 29, Tues.-June 8, Fri.	Final examinations, Chicago Professional Schools
June 1, Fri.	Latest day for acceptance of undergraduate theses
June 2, Sat.	Latest day for receipt by the Dean of the Graduate School of certified copies of masters' theses
June 4, Mon., 4 p. m.	Senate meeting
June 6, Wed.	Final examinations ended
June 8, Fri.	Class day, College of Dentistry
	Class day and alumni meeting, College of Medicine
June 10, Sun.	Baccalaureate address
June 11, Mon.	Class day
8:30 p. m.	Senior ball
June 12, Tues.	Alumni day
10 a. m.	Quarterly meeting of the Board of Trustees.
JUNE 13, WED.	FIFTY-SECOND ANNUAL COMMENCEMENT

THE BOARD OF TRUSTEES

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The Governor of Illinois

HON. LEN SMALL..... *Springfield*

The Superintendent of Public Instruction

HON. FRANCIS G. BLAIR..... *Springfield*

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DAVID KINLEY, Ph.D., LL.D.

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MAX WALTER ANDREWS, A.M., *Assistant to the President and Private Secretary*

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JAMES McLAREN WHITE, B.S., *Superintendent of Business Operation*

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²On leave of absence, until March, 1, 1922.

³On leave of absence.

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¹On leave of absence, first semester.²On leave of absence.

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 ARTHUR EILER DRUCKER, B.S., *Assistant Professor of Mining Engineering*
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 EMIL RAUCHENSTEIN, B.S., *Assistant Professor of Farm Organization and Management*
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¹Resigned, January 1, 1922.

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 STEWARD C STALEY,¹ *Associate in Physical Education and Director of the Men's Gymnasium*

LECTURERS

ROBERT ENOCH HIERONYMUS, A.M. LL.D., *Community Adviser*
 MARTHA WILSON, *Special Lecturer on Children's Literature and High-School Problems*

INSTRUCTORS

MARTHA JACKSON KYLE, A.M., *Instructor in English*
 DAISY LUANA BLAISDELL, A.M., *Instructor in German and Social Director of the Woman's Residence Hall*
 MARY MINERVA WETMORE, *Instructor in Art and Design*
 STELLA MARY HAGUE, Ph.D., *Instructor in Botany*
 ARTHUR GRENVILLE ELDRIDGE, *Instructor in Photography and Director of the Photographic Laboratories*
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 HYMAN ELFENBAUM, *Student Assistant in Metallurgy*
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PART I
GENERAL INFORMATION

LOCATION

The University of Illinois is situated in Champaign County, about fifty miles northeast of the geographical center of the State. It is 126 miles south of Chicago, 118 miles west of Indianapolis, 164 miles northeast of St. Louis.

The campus of the University lies partly within the corporate limits of the city of Urbana and partly within the corporate limits of the city of Champaign. The two municipalities form one community of about thirty thousand inhabitants. The city halls of the two towns are two miles apart, the campus half way between. The railway, express, telegraph, and telephone services of both cities are available for the University. Mail for the institution itself should be directed to Urbana to insure prompt delivery. The Urbana post office maintains a sub-station at the University, located in the Library Building.

Urbana-Champaign

The cities of Urbana and Champaign are in the heart of the "Corn Belt" and form the business and social center of a rich farming community.

In matters pertaining to health, conditions are good. There is a hospital within three blocks of the campus, in which students may be cared for at moderate expense. The University maintains a temporary emergency hospital.

The University has no dormitories for men, and one residence hall for women. The number of boarding houses is large, and there are sixty-three residence halls erected by fraternities, sororities, and local clubs.

There are thirty-six churches, representing thirteen denominations, and a number of students' religious associations, leagues, and guilds, including Young Men's and Young Women's Christian Associations.

Railway Connections

The University is connected with neighboring cities in Illinois, including Bloomington, Danville, Decatur, Peoria, and Springfield, and also with St. Louis, by the electric inter-urban lines of the Illinois Traction System.

It may be reached from Chicago and the north and from points in the south by the Illinois Central Railroad, being on the direct line from Chicago to Cairo and New Orleans. It is joined to the east and the west by the Peoria & Eastern Division of the "Big Four" route, as well as by the division of the Wabash Railway which connects Kansas City and St. Louis with Detroit and Buffalo.

The station of the Illinois Central Railroad is in Champaign. The Wabash and "Big Four" have stations in both Champaign and Urbana. There are several hotels in Champaign and Urbana within easy reach of the University, the Beardsley and the Inman in Champaign and the Columbian in Urbana being the largest.

HISTORY

1862. *The Morrill Land Grant*

By this act the national government donated to each state in the Union public land scrip, in quantity equal to 30,000 acres for each senator and representative in Congress, "for the endowment, support, and maintenance of at least one college, whose leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanical arts, * * * * * in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions of life."

On account of this grant the State pays the University, semi-annually, interest at the rate of five per cent on about \$649,000.

Location chosen

To secure the location of the University several counties entered into competition by proposing to donate to its use specified sums of money or their equivalent. Champaign County offered a large brick building in the suburbs of Urbana, erected for a seminary and nearly completed, about 1,000 acres of land, and \$100,000 in county bonds. To this the Illinois Central Railroad added \$50,000 in freight.

1867. *Incorporation*

The institution was incorporated February 28, 1867, under the name of the Illinois Industrial University. It was placed under the control of a Board of Trustees, consisting of the Governor, the Superintendent of Public Instruction, and the President of the State Board of Agriculture, *ex officio* members, and twenty-eight citizens appointed by the Governor. The chief executive officer was called the Regent, and was made *ex officio* member of the Board and the presiding officer of both the Board of Trustees and the Faculty (See also 1873 and 1887 below.)

1867. *Dr. Gregory Regent*

On March 12, 1867, John Milton Gregory, LL.D., was elected Regent of the University. On April 1, 1867, Dr. Gregory accepted the position and entered on his duties. He served as Regent until September 1, 1880.

1868. *The University opened*

The University opened on March 2, 1868. The number of students enrolled was about fifty; the faculty consisted of the Regent and two professors. During the first term another instructor was added, and the number of students increased to 77—all young men.

During the first term instruction was given in algebra, geometry, physics, history, rhetoric, and Latin. Work on the farm and gardens or about the buildings was at first compulsory for all students. In March of the next year, however, compulsory labor was discontinued, save when it was to serve as a part of instruction.

1868-69. *The first laboratories*

During the autumn of 1868 a chemical laboratory was fitted up, and laboratory work in botany was begun the following year.

1870. *Pioneer shop instruction*

In January, 1870, a mechanical shop was fitted up with tools and machinery, and here was begun the *first shop instruction* given in any American university. In the summer of 1871 the Wood Shops and Testing Laboratory (burned on June 9, 1900) were erected and equipped for students' shop work in both wood and iron.

1870. *Women admitted*

On March 9, 1870, the Trustees voted to admit women as students. In the year 1870-71 twenty-four availed themselves of the privilege. Since that time they have constituted from one-sixth to one-fifth of the total number of students.

1873. First reorganization of the Board of Trustees

At this time the number of members was reduced from thirty-two (see 1867 above) to eleven—the Governor and the President of the State Board of Agriculture, *ex officio*, and nine others, who were still appointed by the Governor. Beginning at this time also, the President of the Board has been chosen by the members from among their own number for a term of one year. (See also 1887 below.)

1877. Authority to confer degrees received

According to the original State law, the usual diplomas and degrees could not be granted by the University; certificates showing the studies pursued and the attainments in each were given instead. The certificates proved unsatisfactory to the holders, and in 1877 the legislature gave the University authority to confer degrees and issue diplomas.

1880-81. Dr. Peabody Regent

In June, 1880, Regent Gregory's resignation was accepted to take effect September 1, 1880, and Selim Hobart Peabody, A.B., Ph.D., Professor of Mechanical Engineering and Physics, was made Regent *pro tempore*. At the next annual meeting, in March, 1881, he was elected Regent.

1885. Change of name

In this year the General Assembly changed the name of the institution from the *Illinois Industrial University* to the *University of Illinois*.

1885. The State Laboratory of Natural History transferred to the University

Merged in the State Natural History Survey in 1917. (See page 369.)

1887. Second reorganization of the Board of Trustees

In 1887 a law was passed making membership in the Board elective, at a general State election and restoring the Superintendent of Public Instruction as an *ex officio* member. There were then, therefore, three *ex officio* and nine elective members. (For the previous organization of the Board see 1867 and 1873 above. (See also 1919 below.)

1887. The Agricultural Experiment Station established at the University

See page 363.

1890. Additional Federal endowment

In 1890 the Congress of the United States made further appropriations for the endowment of the institutions founded under the act of 1862. Under this enactment each such college or university received the first year \$15,000, the second year \$16,000, and in each succeeding year a sum larger by \$1,000 than the amount of the preceding year, until the amount reached \$25,000; this sum was to be paid yearly thereafter.

1891. Dr. Burrill Acting Regent

In June, 1891, Regent Peabody's resignation was accepted, to take effect September 1, and in August, Thomas Jonathan Burrill, A.M., Ph.D., Professor of Botany and Horticulture, was appointed Acting Regent. Dr. Burrill served in this capacity until September, 1894.

1892. The Graduate School

Beginning with this year, graduate work was undertaken under the name of the Graduate School, but without the organization of a separate faculty.

1894. The Summer Session

The first Summer Session of the University was authorized by a vote of the Trustees on March 3, 1894, and was opened in June of that year.

1894. Dr. Draper President

On April 13, 1894, Andrew Sloan Draper, LL.D., was elected Regent. He accepted May 10, 1894. On August 1, his title was changed to President. Dr. Draper entered on his duties on August 1, 1894. He served until June, 1904.

1896. *The School of Pharmacy*

On May 1, 1896, the Chicago College of Pharmacy, founded in 1859, became the School of Pharmacy of the University of Illinois.

1897. *The College of Medicine*

Negotiations looking to the affiliation of the College of Physicians and Surgeons of Chicago with the University, which had been going on for several years, were concluded by the Board of Trustees March 9, 1897. Accordingly, the College of Physicians and Surgeons became, on April 21, 1897, the College of Medicine of the University of Illinois. (The College of Medicine was discontinued on June 30, 1912, but was re-opened on February 12, 1913.)

1897. *The School of Music*

By vote of the Trustees on June 9, 1897, the department of music, which had been reorganized and enlarged in 1895, was erected into the School of Music, with a separate faculty and organization.

1897. *The State Water Survey authorized*

See page 370.

1897. *The Library School*

In 1897 the School of Library Economy, which had been established in 1893 at the Armour Institute of Technology in Chicago, was transferred to the University, the Director of that school was appointed Librarian of the University Library, and the Library School was opened.

1897. *The College of Law*

Pursuant to an action of the Board of Trustees, taken December 8, 1896, the School of Law was organized, and was opened September 13, 1897. The course of study covered two years, in conformity with the then existing requirements for admission to the bar of Illinois. In the following November the Supreme Court of the State announced rules relating to examinations for admission to the bar which made three years of study necessary, and the course in the Law School was immediately rearranged on that basis. On February 9, 1900, the name of the School of Law was changed, by vote of the Board of Trustees, to *College of Law*.

1899. *The State Entomologist's Office permanently established at the University.*

Merged in the State Natural History Survey in 1917.

See page 369.

1900. *Courses in Business Administration*

In 1900 the General Assembly made an appropriation for the establishment of courses of training for business life, and, in accordance with that action, the Trustees approved the organization of the Courses in Business Administration. (See also 1915 below.)

1901. *The College of Dentistry*

In accordance with an action taken by the Board of Trustees on March 12, 1901, a School of Dentistry was organized as a department of the College of Medicine. The School was opened October 3, 1901. The name was changed to *College of Dentistry* on April 27, 1905. (The College of Dentistry was discontinued on June 30, 1912, but was re-opened on October 1, 1913.)

1903. *The Board of Examiners in Accountancy created*

See page 373.

1903. *The Engineering Experiment Station established*

See page 366.

1904. *Dr. James President*

On March 9, 1904, President Draper's resignation was accepted, to take effect July 1. On August 23, 1904, Edmund Janes James, Ph.D., LL.D., was elected President. He

accepted on August 26, 1904, and entered on his duties in the fall of that year. He was appointed President *Emeritus* beginning September 1, 1920.

1905. *The School of Education*

By a vote of April 27, 1905, the Board of Trustees established the School of Education, to provide for the professional training of teachers. (See also 1918 below.)

1905. *The State Geological Survey established*

See page 371.

1906. *Adams Fund*

This fund was created by an Act of Congress dated March 16, 1906, and provides for an appropriation of \$5,000 for the year ending June 30, 1906, and an increase of \$2,000 a year for five years. The present appropriation to the University under the Adams Act is, therefore, \$15,000 a year. Its use is limited to the necessary expenses of original research and experimental work in agriculture.

1907. *Nelson Fund*

This fund was created by an Act of Congress dated March 4, 1907, and carried with it an appropriation of \$5,000 for the fiscal year ending June 30, 1908, and an annual increase of \$5,000 for four years. The present appropriation to the University under the Nelson Act, is, therefore, \$25,000 per year. Its uses are identical with those of the Morrill Fund.

1906-7. *The School of Railway Engineering and Administration*

On January 30, 1906 the Board of Trustees created in the College of Engineering a department of railway engineering; on January 22, 1907, supplementing that action, it established the School of Railway Engineering and Administration. (See also 1917.)

1906-7. *The Graduate School organized as a separate faculty*

The General Assembly appropriated \$50,000 for the Graduate School, and the Executive Faculty of that school was organized.

1909. *The Department of Mining Engineering*

The General Assembly established the Department of Mining Engineering in the College of Engineering.

1911. *The Mill Tax*

The General Assembly passed a law providing that in the year 1912, and annually thereafter, the proceeds of a tax of one mill for each dollar of the assessed valuation of the taxable property of the State should be set apart as a fund for the maintenance of the University. In 1919, the rate was reduced to two-thirds of a mill.

1911. *Cooperative Investigation of Illinois Coal Problems*

See page 374.

1912. *The Colleges of Medicine and Dentistry discontinued*

The Colleges of Medicine and Dentistry were discontinued on June 30, 1912.

1913. *The Colleges of Medicine and Dentistry re-opened*

On February 12, 1913, the Board of Trustees accepted the gift of the capital stock of the College of Physicians and Surgeons, donated to the University by the alumni and other friends of medical education in Chicago, and the College of Medicine was re-opened.

The College of Dentistry was re-opened on October 1, 1913.

1913. *The College of Liberal Arts and Sciences*

In this year the College of Literature and Arts and the College of Science were united to form the College of Liberal Arts and Sciences.

1915. *The College of Commerce and Business Administration*

The Courses in Business Administration, organized in 1900, were erected into a separate College of Commerce and Business Administration.

1917. *The School of Railway Engineering and Administration suspended*

In 1917, the activities of this school were suspended because the leading members of its faculty were called away for war service.

1918. *The University Press*

On June 1, 1918, the Board of Trustees authorized the organization of the University Press, to have charge of the editorial, printing, and publishing activities of the University. (See page 351.)

1918. *The College of Education*

On June 1, 1918, the Board of Trustees voted to erect the School of Education into a separate College of Education.

1919. *Third Reorganization of the Board of Trustees*

In 1917, the General Assembly passed a law reorganizing the administration of the State, by virtue of which the office of the President of the State Board of Agriculture was abolished on January 1, 1919. There are now, therefore, eleven members, two *ex officio* and nine elective.

1920. *Dr. Kinley President*

On June 10, 1919, President James was granted a leave of absence extending to September, 1920. Dr. David Kinley, Ph.D., LL.D., was appointed Acting President for that period. On June 2, 1920, following President James's resignation in March, Dr. Kinley was elected President.

EQUIPMENT

BUILDINGS AND GROUNDS

The land occupied by the University embraces 238 acres, besides a farm of 991 acres. There are at the present time some fifty-three buildings on the campus.

Liberal Arts

University Hall (erected 1873) is the "old main building" of the University. It occupies three sides of a quadrangle, and is five stories in height. It is devoted to class rooms and offices.

Lincoln Hall (erected 1911) has a frontage of 230 feet. The exterior is brick, stone, and terra cotta. The building provides for the advanced work of the departments of the classics, English, Romance languages, Germanic languages, history, economics, education, political science, sociology, and philosophy. The first three floors provide, in addition to the ordinary class and consultation rooms, seminar libraries and conference rooms. On the fourth floor are research rooms and two museums, the Museum of Classical Art and Archeology, and the Museum of European Culture.

General Science

The Laboratory of Physics (erected 1909) is a three-story fireproof brick building trimmed with Bedford limestone. The length is 178 feet and the depth of the wings is 125 feet. The lecture room has a seating capacity of two hundred sixty-two. A one-story annex, 78 by 28 feet, contains the ventilating and heating fans and the machine shop of the department. The total available floor area, exclusive of the basement, is about 60,000 square feet. The large laboratories and the recitation rooms are mostly in the west wing. The east wing contains about thirty smaller laboratories for advanced experimental work. The department of blue printing and photography occupies rooms on the top floor of the building. Gas, distilled water, compressed air and vacuum, and direct and alternating electric currents of a wide range in amperes and in volts are available in all parts of the building.

The Chemistry Laboratory (original structure erected 1901-2; addition 1914-15) is a brick building. The original structure is of slow burning construction, and the addition is fire-proof. The total available floor area is about 164,000 square feet. The ground plan is a hollow square, the extreme dimensions of which are 230 feet along the front, and 200 feet along the sides. The center court contains the lecture amphitheater, which seats 390. The side wings of the building contain the general laboratories, while the center portions of both old and new structures are occupied by offices, class and seminar rooms, library, museums, supply rooms, and research laboratories. The main storeroom is in the basement under the lecture room. In this building are also located the offices and laboratories of the State Water Survey and the department of bacteriology.

Natural History Hall (old part erected 1892; addition 1909) covers a ground area of 135 feet by 275 feet. It is occupied by the departments of botany, entomology, zoology, physiology, geology, and mathematics, and the offices of the State Natural History Survey and the State Entomologist. A fireproof museum 51 feet by 63 feet in size, equipped with fireproof and dustproof cases, occupies the center of the building. The final unit of the building is now under construction and will provide additional museum space, an herbarium, laboratories, and classrooms for the department of botany.

The Botany Annex (erected 1914) is a greenhouse laboratory covering 5,000 square feet, divided into compartments that are severally provided with devices for controlling humidity and temperature within close limits for exact experimentation in the fields of plant physiology and pathology. To this laboratory is attached a reconstructed two-story dwelling, giving working and class rooms for use in connection with the experiments conducted under glass.

The Vivarium (erected 1915-16) occupies the block south of the Illinois Traction System tracks, between Wright and Sixth Streets, the main facade of the building being toward Healey street. The scheme involves a main building containing eight laboratories, one office, and store rooms, with supplementary greenhouses at each end, and a head house

servng two greenhouses, together with two screened houses. The main building is a brick structure, two stories high, connected with the head house by a one-story passage from the main corridor. The building is occupied by the departments of zoology and entomology.

The Entomology Building (erected 1905 for the use of the State Entomologist and his staff) is a two-story building 48 by 20 feet, with basement storerooms, and with two insectary wings of greenhouse construction, each 25 by 20 feet. It contains the office of the horticultural inspector, a stenographer's room, rooms for the assistant inspectors and insectary assistants, and a large fireproof vault. The glass-covered wings are equipped for experimental entomology and life-history studies.

The Astronomical Observatory (erected 1896) is a brick building with extreme dimensions of 75 by 55 feet. It has three wings and is surmounted by a dome 25 feet in diameter, which houses the 12-inch refracting telescope. An adjacent building with a 15-foot dome, erected in 1914, contains a 30-inch short focus reflector.

Commerce and Business Administration

The Commerce Building (erected 1912) is a fireproof building three stories high, 153 feet on the front and 60 feet deep, with a one-story annex containing a lecture room 48 feet square. The building has a total floor area of about 29,000 square feet; it provides class rooms, offices, and laboratories for the work in business administration. The exterior first story finish is buff Bedford stone; the second and third stories are of brick with carved stone trimmings and cornice. The roof is of tile, and the interior trim is of dark oak. The Administration Building (see page 51) is a second unit of this building and will eventually be occupied by this College.

Education

The Education Building (erected 1917-18) is a fireproof structure of reinforced concrete, faced with Bedford limestone, and is of collegiate Gothic design. It occupies a ground area 69 by 198 feet. It was first occupied in the autumn of 1921 by the College of Education as a model high school, the college furnishing the corps of instructors, under whom the students in the school receive their practical teaching experience. The first floor contains locker and toilet rooms for boys and girls, rooms for manual training, mechanical drawing, sewing and domestic science, as well as general class rooms and the offices of the principals. On the second floor is the library, rooms for the commercial department, and various class rooms. Chemistry, physics, biology, and agriculture take up the greater part of the third floor, the remainder being devoted to class rooms. This building is the first unit of a structure which will occupy the entire block.

Engineering

Engineering Hall (erected 1894) is a four-story building, with a frontage of 200 feet, a depth of 76 feet on the wings and 138 feet on the center, and a floor area of 47,000 square feet. The first and second floors are occupied by the offices and recitation rooms, and the instrument and drafting rooms of the departments of civil engineering and municipal and sanitary engineering. The engineering lecture room, on the second floor, has a seating capacity of two hundred twenty-five. The third floor is occupied by the offices of the dean of the College of Engineering and Director of the Engineering Experiment Station, and by offices, recitation, and drafting rooms of the department of architecture. All the fourth floor is occupied by the department of architecture.

The Electrical Engineering Laboratory (erected 1898) is a two-story brick building with floor area of 18,000 square feet. The basement contains the departmental shop, the storage battery room, the electric furnace room, and rooms for electrical research. The first floor contains the undergraduate laboratory, the instrument room, the high potential laboratory, and the drafting, lecture, and recitation rooms. The second floor contains the photometric laboratory, the offices, the departmental library, and a room used by the Electrical Engineering Society.

The Mechanical Engineering Laboratory (erected 1905, remodeled 1917) is a brick building 120 by 182 feet. In 1916 the interior was changed to provide for a basement with an elevated or mezzanine operating floor, giving a floor area for laboratory purposes of 28,000 square feet. On the mezzanine floor is mounted all of the principal equipment of the laboratory; in the basement auxiliary apparatus is housed. The front section is two stories high

and together with the two-story addition to the south contains offices, lecture and computation rooms, a lavatory, and an instrument room. The main laboratory is divided into three bays, each approximately 40 feet wide. The middle bay is provided with a ten-ton three-motor traveling crane, and the north bay with a five-ton hand operated traveling crane. In the basement two flumes, each three feet deep by four feet wide and 120 feet long, together with a storage reservoir having a capacity of 7,000 gallons, provide for the measurement and storage of water.

The Laboratory of Applied Mechanics (erected 1901-2) is a brick building having a floor area of 16,000 square feet. The front part contains the materials testing laboratory, and the rear wing the hydraulics laboratory.

The Highway Laboratory (erected 1910) is a two-story brick addition to the Mechanical Engineering Laboratory, containing the laboratories and certain recitation rooms and offices of the department of civil engineering, which are closely associated with the work of testing materials used in road construction, and with researches in the development of such materials.

The Mining Engineering Laboratory (erected 1912) is a one-story brick building, having a floor area of 5,700 square feet. It is divided into five units. (1) Coal washing and preparation; (2) Ore-dressing and metallurgy; (3) Mining, including blasting and explosives; (4) Chemical analysis and sampling; (5) Gas analysis, safety lamps and ventilation.

The Ceramic Engineering Kiln House (erected 1912) connects with the ceramic engineering building. It has a floor area of 11,200 square feet, and contains the kilns, furnaces, and heavy machines for working clays.

The Ceramic Engineering Building (erected 1915-16) is a three-story structure, 188 by 65 feet, of fireproof construction, built of texture brick and polychrome terra cotta. The front of the building is decorated with colored tile panels. The roof is of Spanish tile, and the floor of the halls and corridors of clay tile. The structure is intended to present modern achievement in the use of ceramic structural materials. The third floor is occupied by the State Geological Survey and about one-third of the first floor by the department of applied mechanics. The main portion of the building is utilized by the recitation rooms, laboratories, and offices of the department of ceramic engineering.

The Locomotive Testing Laboratory (erected 1912) is a brick fireproof building 117 by 42 feet, connected by a spur with the Illinois Traction System tracks. It houses a locomotive testing plant, which consists of supporting wheels on which rest the drivers of the locomotive to be tested, a dynamometer to which the locomotive drawbar is attached, and which measures the tractive force exerted by the locomotive, water brakes for absorbing the power developed by the locomotive, and other auxiliary apparatus. The exhaust gases pass through an asbestos board duct to a large fan which forces them through a reinforced concrete cinder separator; the separator removes the cinders and discharges the gases into the air through a brick stack eight feet in diameter.

The Transportation Building (erected 1912 and 1921) is a three-story fireproof building of brick trimmed with stone. The building is 65 by 189 feet and the total floor area is 45,122 square feet. The first and second floors of the building are occupied by the departments of railway mechanical and mining engineering, and the third floor by the department of general engineering drawing.

The Metal Shops (erected 1902) occupy a one-story brick building with a floor area of 12,000 square feet, containing office rooms, a machine shop, and a forge shop. The machine shop is 48 by 140 feet. Power is supplied by a twenty-horse-power electric motor. A three-ton traveling crane of ten-foot span covers the center of the floor for the entire length.

The Wood Shop (erected 1901-2) and the *Foundry* (added 1904) occupy a brick building which has a floor area of 16,000 square feet. The wood shop contains a bench room, lathe room, machine room, and various smaller rooms for lectures and exhibition purposes. The foundry has a molding floor 35 by 80 feet, traversed by a five-ton traveling crane, and a basement room for the storage of materials.

Agriculture

The Agriculture Building (erected 1900) consists of four separate structures, built around a court and connected by corridors. The court was enclosed in 1912 and divided into five large class rooms. The main building, three stories high, contains offices, class rooms, and laboratories for the departments of agronomy, animal husbandry, dairy husbandry, and horticulture; the chemical laboratory of the Experiment Station; administration rooms; and assembly room (Morrow Hall) with a seating capacity of 500. The other three buildings are two stories high; one is for dairy manufactures, one for farm crops, and one for class rooms and laboratories. These buildings are of stone and brick, roofed with slate, and contain 113 rooms and a total floor space of about two acres.

The Agronomy Building (erected 1904-5) is a brick and slate structure 50 by 100 feet. It contains a field laboratory and storage room for crop work.

The Agronomy Greenhouse (erected 1900, rebuilt 1912) consists of two glass structures covering a total floor space of 6,500 square feet, and a service building equipped with research and photographic laboratories.

The Agronomy Barn and Implement Shed (barn 1915; shed 1918) are wooden structures respectively 26 by 70 feet, and 33 by 100 feet, designed as service and storage buildings for the field work of the department of agronomy.

The Animal Husbandry Cattle Feeding Plant (first unit erected 1917) is of brick and frame construction with a tile roof, located on the axis of Fourth Street, south of the "Farm Lane." There are eight silos built in a circle to enclose a feed room. The two to the south are 16 by 70 feet, and the others are 12 by 40 feet. The plant will also be used as a storage place for feed for the animal husbandry department. In the section not yet built the upper stories will be constructed as an elevator with large grain bins, where grain can be elevated preparatory to grinding, shipping, or feeding. There will be a corn crib with a capacity of 12,000 bushels.

The Farm Mechanics Building (erected 1906-7) is a three-story brick structure, containing class rooms, offices, lecture rooms, drafting room, library, laboratories, and tool and storage rooms. The third floor furnishes storage room for the greater part of \$16,000 worth of farm machinery, lent the College by manufacturing companies and used for laboratory work. The facilities afforded by this building, with its equipment, make possible the assembling, testing, and adjusting of all the important machines used in farm operations.

The Pure Bred Dairy Cattle Barn (erected 1891, remodeled 1895 and 1901) consists of a main two-story wooden structure 104 by 48 feet, a wing to the east 74 by 30 feet, and a shed for young stock at the south 72 by 30 feet. About 40 head of milking cows in addition to young stock and bulls are accommodated. Two Gurler silos are at the south, a wooden stave silo at the east, and three wooden stave silos to the south of the shed for young stock.

The Animal Pathology Laboratory (erected 1904-5, as a Beef Cattle Building) is a one-story structure of brick and slate, trimmed with stone, 217 feet across the front, with a wing at either end 33 by 49 feet; the central portion rises two stories and is used for the storage of feed. This building was remodeled in 1919 for use by the Division of Animal Pathology in the Department of Animal Husbandry.

The Experimental Dairy Barns (erected 1912) comprise three round barns, the largest being 70 feet in diameter with a reinforced concrete silo in the center, a semi-detached rectangular structure 40 by 70 feet with a Grout silo adjacent, and a small dairy house and shop 26 by 32 feet. The barns are of frame construction on brick walls with solid floors of the mill type of construction, and contain feed rooms, hay lofts, and other accommodations for the experimental dairy herd. The dairy house is of frame construction, two stories in height, and contains office, shop, coal room, dairy room, and four sleeping rooms for employees.

The Sheep Barn is a wooden structure consisting of a main barn 36 by 90 feet, and a shed, opening to the south, 25 by 100 feet in size. A six-foot aisle, lined by pens on each side, runs through the center of the barn. This building besides accommodating the University flock is used for experimental work.

Other buildings on the South Farm for the accommodation of live stock are three horse barns and the piggery.

The Stock Pavilion (erected 1913) is a fireproof building 54 feet high on the front and 148 feet deep with circular ends 92 feet in diameter and 20 feet high. The total ground area is 30,000 square feet, and the show arena is 216 feet long and 65 feet wide. Seats of concrete provide accommodations for 2,000. The arena may be divided into three parts, giving three separate judging rooms. The building also contains class rooms and offices. The exterior is of brick and terra cotta, renaissance in design, the frieze being enriched with medallions of animal heads.

The Genetics Building (erected 1915-16) is a one-story brick structure (located on Farm Lane and Mathews Avenue) housing the laboratories, offices, and animal rooms of the department of genetics. The work carried on in this building is done principally by graduate students.

The Horticulture Building (erected 1904-5) is a structure of brick and slate trimmed with stone, approximately 50 by 100 feet in size. It is used as a field laboratory for horticultural tests, and contains sorting and storage rooms and a laboratory for the mixing of spraying materials and other operations in connection with the horticultural work.

The Horticulture Greenhouse Group (erected 1912-13) includes (1) a floricultural group and (2) a vegetable and plant breeding group.

(1) *The Floriculture Greenhouse Group* (erected 1912-13) consists of a two-story and basement service building 93 by 37 feet, and the following glass structures; four houses each 105 by 28 feet, three houses each 105 by 35 feet, one corridor house 139 by 10 feet, one storage house 50 by 12 feet, and a palm house 80 by 40 feet. The service building is of hollow tile and cement construction, and contains laboratories, lecture room, sales room, offices, and seminar room, as well as potting, storage, and work rooms.

(2) *The Vegetable and Plant Breeding Greenhouse Group* (erected 1912-13) consists of a glass house for vegetable growing 105 by 28 feet, two houses for plant breeding each approximately 80 by 30 feet, a wire house 80 by 30 feet, and a two-story and basement service building 82 by 36 feet, containing laboratories, work rooms, class rooms, offices, and storage rooms. The type of construction of this building is the same as that of the floriculture service building.

The new *Horticultural Field Laboratories* are being constructed on the 320 acre Horticultural farm. Extreme dimensions of this group are 180 feet east and west and 190 feet north and south. This group consists of a series of working laboratories in Plant Breeding, Pomology and Vegetable Gardening. The central feature of the group is a cold storage with modern equipment to give different rooms of different temperatures.

Law

The Law Building (erected 1878; remodeled 1902 and 1912) is the second oldest building in the University group. It has two stories and a basement. The upper floor contains the Law Library, the students' conference room, the private offices of the members of the law faculty, and the Moot Court Room, a model court room with a seating capacity of four hundred. On the main floor are the recitation rooms, the Dean's offices, and the faculty room. In the basement are the lockers, the students' reading room, and a court room for the Law Clubs.

Military Science

The Armory (erected 1914-15) comprises a drill room with a clear area of 200 by 400 feet and a height of 98 feet at the center, the roof being carried by fourteen three-hinged steel arches. The sides are of hollow tiles and the ends, supported by columns, are of steel, glass, tile, and concrete, with wood frames and sashes. The drill floor is of sufficient area to permit the maneuvering of an entire battalion of the cadet brigade. Provision has been made for the addition of the balcony around the drill floor with seats for 3,000 and for the addition of three-story facades along the sides flanked by towers at each end. This will provide space for company rooms, locker rooms, shooting tubes, and class rooms.

The Armory Annex is a temporary one-story building 46 feet by 164 feet in size, used as the military headquarters. It contains both offices and classrooms.

The Field Artillery Stable (erected 1919), a one-story stucco building in Italian style, provides space for animals belonging to the R.O.T.C. Artillery and Cavalry units. This structure is the first and chief building of a group which will ultimately house all material and equipment of these units and afford working and living quarters for the permanent personnel.

Music

The Smith Memorial Hall (erected 1918-19) is a fire-proof building of brick and stone exterior, occupied by the School of Music. The area occupied is 126 by 163 feet, extending in height through a basement, two stories, and attic. The basement is occupied by plenum chambers, machinery, and dressing rooms. On the first floor are the Director's suite, two class rooms, and seven studios, together with the first floor of the recital hall. The second floor contains the Memorial Room dedicated to the donor, Captain Thomas J. Smith and his wife, Tina Weedon Smith, to whom the building is dedicated as a memorial, and the Library, with a score trial room, and eleven studios. This floor also affords access to the balcony of the recital hall, which with the first floor gives a total seating capacity of about 1,100 persons. The third floor contains forty-seven practise rooms, and a lecture room seating about 100. All studios and practise rooms are thoroly sound-proofed and insulated from one another.

Buildings for General University Use

The Administration Building (erected 1914-15) is a three-story and basement fireproof building of brick and stone. It is 153 by 66½ feet with a one-story annex, 48 by 42 feet,

with a total floor area of 36,000 square feet; it contains the rooms of the Board of Trustees and the offices of the President, the Registrar, the Comptroller, the Supervising Architect, the Dean of Men, the High School Visitor, the Assistant Dean to Foreign Students, the Alumni Association, the University Press, and the Information and Stenographic Bureau. This building is the second unit of the Commerce Building, and will eventually be occupied by that College.

The Library Building (erected 1896-97; an addition to the stack room erected 1914 further addition erected 1918) is modern Romanesque in style, is built of Minnesota sand stone, and measures 167 by 141 feet, with a tower 132 feet high. The first floor, or basement, contains the rooms of the catalog and order departments, the bound newspapers and the University Station post office. The second, or main floor, contains the genera, reference room, the periodical reading rooms, a small conference room, and the delivery room, which opens into the second story of the stack. The third floor contains the study room, lecture rooms, and office of the Library School, faculty study room, and the office of the librarian. The five-story book stack is a rear wing to the building, separated from it by a fireproof wall. The delivery room is open to the roof and is lighted by a dome of art glass; the lunettes are decorated with frescoes symbolic of the four older colleges of the University—Literature and Arts, Science, Agriculture, and Engineering.

The latest addition is 37½ by 79 feet on the ground, and contains four stories of stacks. Above this is a room covering the entire area of the building, which is used as a work room. This addition also contains an unpacking room, a storage room, and an elevator tower.

The Auditorium (erected 1907-8) is a brick and stone building for general meeting purposes. It contains an auditorium seating about 2,200, a memorial vestibule, and a four-manual organ. All general University exercises and convocations are held in this building.

The Men's Gymnasium (erected 1901) is a three-story building of stone and pressed brick, 100 by 150 feet. On the first floor there is a swimming pool, 26 feet wide, 75 feet long, and 8 feet deep at the lower end, lined with white enamel bricks. The water is filtered and sterilized by continuous circulation through a violet-ray sterilizer. This floor contains also the general locker room, which is fitted up with all-metal lockers, and with shower bath, and steam baths; rooms for the University Athletic teams; a room for visiting teams; a special dressing room for members of the faculty; and offices for the physical director and the instructors in athletics. The entire second floor is one room, fitted up with modern appliances for gymnastic exercises. The third floor contains an elevated running track, 15 laps to the mile, banked on the turns to secure speed and comfort in running.

The Gymnasium Annex (erected 1889-90) has a clear floor space of 15,000 square feet in one hall, while the addition (erected 1918) gives an additional clear area of about 7,500 square feet.

The Woman's Building (erected 1905; addition 1912) is in the New England colonial style of architecture, of reddish brown brick, with white stone trimmings. The central part of the structure is the woman's gymnasium. On the lower floor there are swimming tank, lockers, dressing rooms, and baths. The upper floor is devoted to the main gymnasium, which is 92 by 50 feet. The north wing of the building is given to the department of home economics, and the south wing provides rooms for the social life of the women students. The addition is a three-story fireproof building and basement. It is 200 feet long on the front and 83 feet on each connecting wing, having 43,000 square feet of floor area. It has a large colonnade with towers on the front and two smaller colonnades on the north and south of the inner court. The addition is similar to the old building in finish. It has two halls for literary societies and a modern flat on the upper floor, and an institutional kitchen and large dining room on the second floor. There are also offices for the Dean of Women and the Director of the Courses in Home Economics, laboratories, social rooms, and space for the expansion of gymnasium work.

The President's House

The President's House (erected 1896) is a three-story frame building, in the colonial style. This building was remodeled in 1919 and equipped for use by the University Health Service.

The President's House (acquired in 1917) is located at 1203 W. Nevada Street, Urbana. It is a two-story stucco building in the modern English style. It contains the usual living and service rooms of a ten-room house, and is featured by a large living-porch opening into an old-fashioned trellis-walled garden.

Women's Residence Hall

The Women's Residence Hall (erected 1917) is located on Nevada Street north of and adjacent to the new athletic field for women. It is a three-story fireproof brick and stone building of colonial design, U-shaped in plan, with a total frontage of 167 feet and wings running back 101 feet. It will accommodate 150 girls. There are both double and single rooms, a suite for the matron, an emergency hospital, and rooms for servants. The basement contains the kitchen and a large dining room in each wing overlooking the sunken garden in the court. In the center of the first floor there is a large living room with adjoining parlors. The wings on each side of the first floor are at a higher line and are occupied by student rooms. There is a large sleeping porch at the south end of each wing on each floor.

The Isolation Hospital

The Isolation Hospital (erected 1908; reconstructed 1914, 1917, and 1919) has been used for its present purpose since 1914. It is a substantial one-story stucco building 27 by 103 feet, with a subsidiary service building with a kitchen and additional ward space. The basement of the main building contains a supply room, a laboratory, and a complete disinfecting suite, consisting of a formaldehyde room, a septic room, a sterilizing room, and a physician's wash room, locker room, and sterile room. The first floor is divided into three separate ward units, each with a capacity of seven beds and having a nurse's room with bath, a diet kitchen, a linen closet, a bath room, and a private room for use as an observation room or for serious cases. This building is provided with all necessary sterilizing and antiseptic devices in connection with the wards, in addition to the equipment in the basement.

Service Buildings

The Central Heat and Power Plant (old boiler house erected 1902; new boiler house, 1910 and 1914). The old boiler house, 55 by 120 feet, is no longer used as part of the power plant, but serves as a University garage, and a special laboratory of the College of Engineering for experiments dealing with the fatigue of metals. The new boiler house, designed to be enlarged as necessity requires, is equipped with six 500-horsepower B. & W. boilers with chain grates. A power plant containing a 250-kilowatt Allis-Chalmers direct connected steam engine and dynamo, a 500-kilowatt Westinghouse turbo-generator, and a 100-kilowatt Curtiss turbo-generator, together with the accessories necessary to a complete power station, supplies current for light and power to all parts of the grounds. The pipe lines of the heating system and the circuits for distributing electricity are carried from the central plant to the several buildings through brick and concrete tunnels and clay and concrete conduits. There are now 6,568 feet of tunnels and 10,105 feet of conduit for the distribution of steam, and 48,850 duct feet of conduit for the distribution of electricity. The new boiler and power plant provides temporary quarters for the electric test car of the department of railway engineering.

The Pumping Station of the University water-works is a brick building, 38 by 73 feet, connected with the central heating station. Four 8-inch wells, 145 feet deep, one 12-inch well 148 feet deep, and a 24-inch well 170 feet deep, supply the University with water. A masonry reservoir provides for a fire-reserve supply. The pumps, tanks, and connections are arranged to give opportunities for experimental work, and also to vary the working conditions in the adjacent hydraulics laboratory. In this building is kept the equipment of the University fire department, including an electric automatic hose and chemical wagon.

BUILDINGS IN CHICAGO

The College of Medicine Building, in which are housed all the departments except that of anatomy, is a brick and stone structure two hundred feet long by one hundred and ten feet deep and five stories high, fronting on three streets. The building contains three lecture rooms with a seating capacity of two hundred each; a clinical amphitheater with a seating capacity of over three hundred; an assembly hall with a seating capacity of seven hundred; besides recitation rooms. It also contains laboratories for physiology, chemistry, materia medica, therapeutics, and microscopical and chemical diagnosis, each accommodating from fifty to one hundred students at a time.

A three-story annex to the main building contains the laboratories used by the departments of pathology, bacteriology, and chemistry. All of these laboratories have outside light and are furnished with work tables, desks, lockers, and the necessary apparatus. There is a supply of microscopes, lenses, and oil immersions, and a projection apparatus for the illustration of lectures by means of stereopticon views.

In addition to this building, there are under construction other buildings, which will house the following: a General Hospital, the Illinois Charitable Eye and Ear Infirmary, a Psychiatric Institute, and an Orthopedic Institute. These will be available for teaching and research purposes under the cooperative plan adopted by the State Department of Public Welfare and the University of Illinois.

The College of Dentistry, adjoining the College of Medicine, occupies a separate six-story building, with a frontage of one hundred feet on Harrison Street and one hundred feet on Honore Street. This building contains three amphitheatres, a clinical operating room, an infirmary, recitation rooms, the laboratories of gross anatomy and of prosthetic and operative dentistry, administrative offices, three dental depots, and four special laboratories, for research in histology and pathology, for anatomical modeling, for porcelain work, and for instructional and diagnostic work in radiography.

The School of Pharmacy.—In December, 1915, the University purchased for the School the property located at the corner of Wood and Flournoy streets and comprising eight city lots with two large brick buildings, connected by a fireproof central stairway tower. The new quarters were occupied in June, 1906.

The buildings include two substantial brick structures connected at each floor by a stair-tower building. Both have daylight from four sides and electric light throughout, and are heated by steam.

The larger building is sixty by eighty feet square and four stories high. It contains the offices, the library, the museum, the microscopical laboratory, the bacteriological laboratory, an auditorium, a lecture hall, a recitation room, preparation rooms and private laboratories for the teachers, students' rooms, and locker rooms.

The smaller building is forty-four by eighty-eight feet square and three stories high. It contains the pharmaceutical laboratory, the laboratory for quantitative analysis, the laboratory for qualitative analysis; and several private laboratories for the teachers, as well as store rooms and supply rooms.

The stair-tower building, of fireproof construction, provides the students' entrance, stairways to each floor, corridors, toilets, and rooms for the hydrogen sulphide generator and distilled water supply.

LIBRARIES

(For the Library Staff see page 29.)

The University Library includes all the books belonging to the colleges and schools of the University which are situated in Urbana and also the libraries of the College of Medicine and the School of Pharmacy in Chicago.

The number of volumes, pamphlets, etc., in the several libraries on September 30, 1921, was as follows:

	Volumes	Pamphlets	Maps	Pieces of Sheet Music
In Urbana:				
General and Departmental Libraries.....	461,703	52,107	2,128	5,971
In Chicago:				
College of Medicine	24,226	2,400	.....	.....
School of Pharmacy	4,007	2,300	.....	.....
Total in University Library.....	489,936	56,807	2,128	5,971
Other Libraries located at the University of Illinois in Urbana:				
State Laboratory of Natural History Library	10,611	55,598	94	
State Geological Survey Library	2,750	5,900	1,051	
Total.....	13,361	61,498	1,145	

The Library is housed, for the most part, in the Library Building, and is for the use of the whole University. The officers of instruction and administration of the University, the graduate students, and the members of the senior class have direct access to the shelves; other students may have this privilege on the recommendation of their instructors. All students have the direct use of 10,700 volumes in the reading rooms, and in addition advanced students have the use of the seminar libraries. About 4,600 periodicals are currently received.

As a part of the Library are included several special collections: *The University of Illinois collection*, including printed material illustrating the history of the University:

about 300 volumes, *College Publication Collection*, comprising the catalogs, announcements, reports, studies, etc., of other educational institutions: about 5,900 volumes. *Thesis collection*, a complete file of the original copies of the theses presented for graduation from the University, bound and filed by years: 2,200 volumes. The *Collection of School Reports*, a cataloged collection of school reports, courses of study, and other documents published by public school authorities throughout the United States. The *Dziatzko Collection of Library Economy*, the entire library of Karl Dziatzko, librarian of Göttingen University: 300 volumes, 250 pamphlets, bought in 1905. The *Dittenberger Collection of the Classics*, the entire library of Wilhelm Dittenberger, Professor of Classical Philology in the University of Halle: 5,600 items, bought in 1907. The *Heyne collection*, the philological library of Professor Moritz Heyne of the University of Göttingen: about 5,000 items, principally on German philology and literature, bought in 1909. The *Karsten collection*, principally on French and German philology and literature, the library of the late Professor Gustaf E. Karsten, presented by Mrs. Eleanor G. Karsten. The *Grober collection*, the entire library of the late Professor Gustav Grober, of Strasberg: 6,300 titles, principally on the Romance languages, purchased in 1912. The *Vahlen collection*, the entire classical library of the late Professor Johannes Vahlen, of Berlin: 10,000 volumes, purchased in 1913. The *Aron collection*, the pedagogical library of the late Dr. R. Aron, of Berlin: 20,000 volumes, purchased in 1913. The *Carl Martin James collection*, 1,030 volumes relating to statistics and similar subjects, presented in 1915 by President Edmund J. James. The *D. C. Greene collection*, 219 volumes of books and newspapers relating to Japan, presented in 1915 by Professor E. B. Greene. The *Rattermann collection*, of German-American literature and history: 7,000 volumes, purchased in 1915. The *Amanda K. Casad collection*, relating to history, economics, politics, and education: 1,732 volumes, presented in 1916 by President Edmund J. James. The *Constance Barlow-Smith collection*, of musical scores: manuscript books, and portraits, presented in 1916 by Mrs. Constance Barlow-Smith. The *Thomas J. Burrill* collection of general and botanical literature was presented by Mrs. Burrill in 1917. The *Cavagna-San Giuliana library* of over 40,000 volumes and many pamphlets, purchased in 1921, in Italy.

A number of departmental and college libraries and reading rooms are maintained in various buildings on the campus; these libraries do not necessarily contain all the books in the respective subjects. In some instances they are primarily for the use of the graduate students and advanced undergraduate students in the departments using the respective buildings. The principal departmental libraries and reading rooms are the following:

<i>Name of Library</i>	<i>Location</i>	<i>Volumes</i>
Philosophy, Psychology, and Education	Lincoln Hall	16,000
Classics	Lincoln Hall	23,000
Modern Languages	Lincoln Hall	27,000
English	Lincoln Hall	16,400
History and Political Science	Lincoln Hall	20,000
Economics and Sociology	Lincoln Hall	24,000
Natural History	Natural History Building	22,377
Law	Law Building	37,000
Commerce Reading Room	Commerce Building	2,300
Architecture, Ricker Library of	Engineering Hall	4,900
Agriculture Reading Room	Agricultural Building	10,000
Chemistry	Chemistry Building	10,800
Physics	Physics Building	1,500
Mathematics	Natural History Building	5,700
Engineering	Engineering Building	8,900

Mason Library of Western History. The library of western history collected by Edward G. Mason, Esq., long president of the Chicago Historical Society, is in the Public Library of the city of Champaign, and is accessible to students in the University.

MUSEUMS AND COLLECTIONS

College of Liberal Arts and Sciences

Liberal Arts Group

Art.—A collection of casts, photographs, and engravings presented to the University in 1876 by citizens of the community has, for want of a suitable gallery, been placed in different buildings on the campus. Eight large statues are in the Auditorium foyer. Numerous pieces are now in the studios of the department of art and design in University Hall, and others are in the corridors and class rooms of University Hall, Lincoln Hall, Natural History Hall, and the Library. A collection of eighty-one German and Japanese prints purchased

by the department of art and design from the St. Louis Exposition in 1905 is displayed in the rooms of the department of art and design.

Other collections of value to art students, consisting of a number of casts of Moorish, Spanish, and German ornament and miscellaneous casts, models, prints, and drawings, are placed in the studios and corridors of the department of art and design.

Classical Archeology and Art.—This museum is located in Rooms 402, 404, and 406 Lincoln Hall, and contains casts and photographs of Greek and Roman sculpture; colored reproductions of ancient painting; many objects from the finds of the Egypt Exploration Fund, received through the generosity of Mr. W. G. Hibbard, Jr., of Chicago; numerous ancient coins, thirty Greek papyri; and other originals of models of Greek and Roman antiquities. About 2,200 photographs exhibit important historic sites and archeological remains, and in addition there are available 1,900 slides belonging to the department of classics. This museum is open on Sunday, Wednesday, and Saturday afternoons.

European Culture.—This museum is in rooms 401, 403, 405, and 409 Lincoln Hall. It contains casts of Romanesque, Gothic, and Renaissance sculpture; color reproductions of paintings, including the rare Pol de Mont reproductions of early Netherland masterpieces; originals and facsimiles of medieval manuscripts, early printed books, and early maps of the world; originals and reproductions of arms and armor; original Paleolithic and Neolithic antiquities, together with selected reproductions of the Bronze and Iron Ages and of the Merovingian period; theater models and prints of theaters and actors; peasant costumes; ship models; several historical groups made by Dwight Franklin; originals and reproductions of early wood carving, early church ivory carving and metal work; Delft ware collected by Mrs. John Milton Gregory and given by her daughter; carbon prints of cathedrals and other photographic material; about 350 coins; reproductions of runic inscriptions, early musical instruments, and other objects. The museum is open daily from 3:30 to 5:30, Sundays from 2:30 to 5:45, and Saturday mornings from 9:30 to 11:30.

Military Museum.—A collection of arms and equipment is on exhibition in the west end of the Armory.

Oriental Museum.—This museum occupies temporary quarters in 410 Lincoln Hall. Among its collections are 1,700 unpublished cuneiform tablets, the majority from Drehem, Umma, and Larsa, dating from the twenty-ninth to the twentieth century B. C., the others from the period of Nebuchadnezzar; a collection of Babylonian seals; fragments of Assyrian and Babylonian bricks with royal inscriptions; pottery, slate palettes, mummy case fragments, mummified sacred birds, and small objects from Egypt, the gift of Mr. W. G. Hibbard, Jr., of Chicago; a collection of Egyptian alabasters; a unique collection of squeezes or paper impressions of Hittite and Assyrian inscriptions, loaned by Dr. B. B. Charles of Philadelphia; squeezes of Phoenician inscriptions; a loan collection of pottery and pottery fragments representing the survey of two hundred ancient sites in the Near East; a loan collection of objects from Palestine, including two Hebrew manuscripts, models of domestic furniture, pottery, and prehistoric implements, a large number of unpublished photographs of the Near East.

Science Group

Botany.—The herbarium contains over 100,000 sheets of mounted specimens. It is representative of the higher plants and fungi of Champaign County and of the State, and forms a collection for the general flora of the United States. Through the acquisition of the herbaria of the late Dr. Frederick Brendel of Peoria, the late Dr. W. Welsch of Mascoutah, the late Dr. Jacob Schneck of Mount Carmel, and Professor W. E. Andrews of Pana, and the earlier gift of the large personal herbarium of Mrs. Agnes Chase, its value for students of the Illinois flora has been largely increased. Because of the interest of the late Professor Burrill and his special students, Clinton, Earle, Seymour, and others, in the study of parasitic fungi, the part of the herbarium devoted to the representation of plants of this group is rich in material records of investigation. This group was greatly enriched by the Stevens collection of Porto Rican fungi, fourteen thousand numbers, presented by Professor F. L. Stevens in 1916. The published "exsiccatae" in this group are well represented. The recent gift of her personal set of the *Phytotheca Boreali-Americana* by Mrs. Mary S. Snyder has increased the reference value of the herbarium for students of algae, of which it represents over 2,000 named species.

Entomology.—The entomology collections of the University include a reference series of 6,400 specimens, representing 1,600 common species; and the Bolter collection, given to the University by the executors of the estate of the late Andreas Bolter of Chicago, which now contains about 120,000 specimens representing over 16,000 species. The department

has access, also, to the insect collections of the State Laboratory of Natural History, which contain 330,000 pinned insects and 26,000 vials and bottles of specimens in alcohol, mainly from Illinois.

Geology.—The department has adequate working collections which illustrate the principal phases of geology, including 10,000 hand specimens of rocks, 3,000 thin sections for microscopic study, over 12,000 minerals, and 60,000 fossils. In the corridors of the Natural History Building are exhibits of gems and precious stones, meteorites, polished ornamental stones, and specimens illustrating geologic structures, and the principal types of rocks, minerals, and fossils. The collections available for advanced students include those of Tyler McWhorter, Hertzner, and the greater part of the specimens collected both privately and for the State Geological Survey by A. H. Worthen.

Geography.—The geography collection consists of a complete file of the United States topographic maps; a collection of U. S. Geological Survey folios; combined contour maps representing the physiographic provinces of the United States; a collection of foreign topographic maps; rainfall and vegetation maps; relief models of all the continents and of smaller areas; and several thousand lantern slides.

Zoology.—The zoology collections illustrate the work in zoology and present a synoptical view of the zoology of the State. Most of them are placed in the museum room in the Natural History Building, and in adjacent corridors. The mounted mammals include a collection of the ruminants of the United States and representatives of the other orders of Mammalia except the Sirenia. The same orders are also represented by mounted skeletons. There are also a collection of mounted birds; the Barnum collection of bird's eggs; a collection of nests and eggs of Illinois birds; a series of mounted skins of larger species of cold-blooded vertebrates, both terrestrial and marine; mounted skeletons of typical representatives of the principal groups; alcoholic specimens; and casts; alcoholic specimens of all classes and orders of Mollusca, and dissections showing the internal anatomy of typical forms; several thousand shells, belonging to more than 2,000 species. (The collection of the Illinois aquatic species is nearly complete.) Several hundred dried specimens and alcoholics, and a series of Blanschka-glass models of the lower invertebrates; several sets of Ziegler wax models and series of sections and other preparations showing the embryology of vertebrates and invertebrates.

In addition to the foregoing, the collections of the State Laboratory of Natural History are available for illustrative purposes, as well as for original investigation by advanced students.

College of Commerce and Business Administration

Commerce.—For its courses in industrial economics and commerce the University has a collection of the materials of commerce; lanterns and several hundred slides; political and industrial maps; and diagrams and stereoscopic views illustrating phases of commerce and industry. Most of the articles constituting the commercial museum are the gifts of the Philadelphia Commercial Museum and of private manufacturing and mercantile establishments.

College of Engineering

The several departments of the College of Engineering possess collections of historic materials drawn from their respective fields of practise. The department of railway engineering maintains exhibits of track rails typifying practise since the beginning of railway construction; many details employed in car and locomotive construction, historic and modern; and an extensive collection of photographs and prints. The department of mechanical engineering is the custodian of a 600 h.p. vertical triple-expansion engine, direct connected to an electric generator, a type of machine in common use for power station service twenty years ago, and numerous machines of historical value together with a collection of exhibits of engineering apparatus. The departments of civil engineering and theoretical and applied mechanics maintain exhibits of tested specimens and structures. The department of architecture has a number of reproductions of fragments from historic architectural monuments. The mining museum has a comprehensive collection of models showing the methods of working coal and ore mines and both sectionalized and operating mining machines, and appliances. There is a collection of photographs and blue prints illustrating all phases of mining and metallurgical design and construction. Six stereoscopes with over one hundred views illustrate South African mining practise.

All such material occupies temporary locations. No especially appointed building designed for its reception has thus far been provided.

College of Agriculture

The agricultural departments maintain collections illustrative of their work; among which are specimens of standard varieties of corn; wax models of fruit and vegetables; a horticulture herbarium; specimens of breeds of live stock; a collection of farm machinery; and exhibits of negatives and samples showing the progress of investigations with fruit crops, and soils.

See further the description of the facilities for instruction and methods of work of the departments of agronomy, animal husbandry, dairy husbandry, and horticulture, under the College of Agriculture, in Part II.

Library School

The School has made a collection of books and pamphlets on library science; of library reports and catalogs; of mounted samples showing methods of administration in libraries; of book-plates; and of books, photographs, and lantern slides on library architecture and the history of books, printing, and libraries.

ADMINISTRATION

GOVERNMENT

The government of the University is vested by law primarily in a Board of Trustees, consisting of eleven members. The Governor of the State and the Superintendent of Public Instruction are members *ex officio*. The other nine members are elected by the people of the State for terms of six years; the terms of three members expire every second year.

The administration of the University is vested by the Board of Trustees in the President of the University, the Vice-President, the Senate, the Council of Administration, the Faculties of the several colleges, and the Deans of the colleges and Directors of the schools.

The President is the administrative head of the University.

The Senate is composed of the full professors and those other members of the faculty who are in charge of separate departments of the various colleges and schools. It is charged with the direction of the general educational policy of the University.

The Council of Administration is composed of the President, the Vice-President, the Dean of the Graduate School, the Deans of Men and Women, and the Deans of the several colleges. It constitutes an advisory board to the President, and has exclusive jurisdiction over all matters of discipline. The Council does not determine educational policy; but when any matter arises which has not been provided for by common usage or by rule of the Senate and cannot be conveniently laid over until the next meeting of the Senate, the Council may act on the same according to its discretion.

The Faculties of the colleges and schools of the University, composed of the members of the corps of instruction of these colleges and schools, have jurisdiction, subject to higher University authority, over all matters which pertain exclusively to these organizations.

The Dean of the Graduate School, the Deans of the several colleges, and the Directors of the schools are responsible for the carrying out of all University regulations within their respective departments.

DEPARTMENTS AND CURRICULUMS

For the purpose of administration the University is divided into several colleges and schools. These are not educationally separate, but are interdependent and form a single unit.

The colleges and schools are as follows:

- I. The College of Liberal Arts and Sciences
- II. The College of Commerce and Business Administration
- III. The College of Engineering
- IV. The College of Agriculture
- V. The Graduate School
- VI. The Library School
- VII. The School of Music
- VIII. The College of Education
- IX. The School of Railway Engineering and Administration
- X. The College of Law
- XI. The College of Medicine
- XII. The College of Dentistry
- XIII. The School of Pharmacy

The College of Liberal Arts and Sciences offers curriculums in:—(1) philosophy and arts, including (a) the ancient classical languages; (b) the Romance languages; (c) the Germanic languages; (d) the English language and literature, including rhetoric and public speaking; (e) comparative literature; (f) comparative philology; (g) mathematics; (h) the political and social sciences: history, economics, political science, sociology; (i) philosophical subjects: philosophy, psychology, education; (j) art and design. (2) general science, affording opportunity to specialize in (a) astronomy; (b) geology, including mineralogy and geography; (c) physics; (d) chemistry; (e) botany, (f) bacteriology; (g) zoology;

(h) entomology; (i) physiology. By the grouping of certain subjects students in this College are also offered opportunities for specific vocational and professional training as follows: (1) journalism; (2) chemistry; (3) chemical engineering; (4) economic entomology; (5) home economics and household administration; (6) library administration; (7) law (combined course); (8) medicine (combined course); (9) engineering (combined course).

The College of Commerce and Business Administration offers curriculums in:—(1) general business; (2) commercial and civic secretarial service; (3) banking; (4) insurance; (5) accountancy; (6) general railway administration; (7) railway transportation; (8) commercial teaching; (9) foreign commerce; (10) industrial administration; (11) commerce and law.

The College of Engineering offers curriculums in:—(1) architecture; (2) architectural engineering; (3) ceramics; (4) ceramic engineering; (5) civil engineering; (6) electrical engineering; (7) general engineering; (8) mechanical engineering; (9) mining and metallurgical engineering; (10) municipal and sanitary engineering; (11) general engineering physics; (12) railway civil engineering; (13) railway electrical engineering; (14) railway mechanical engineering.

The College of Agriculture offers curriculums in:—(1) agronomy; (2) horticulture, floriculture, and landscape gardening; (3) animal husbandry; (4) dairy husbandry; (5) farm organization and management; (6) general home economics; (7) agricultural education and home economics education (Smith-Hughes).

Military science and physical education are provided in all the undergraduate colleges in Urbana.

The Graduate School offers courses in:—philology, including the classical languages, Romance languages, Germanic languages, and English; mathematics; political and social sciences, including history, economics, sociology, and political science; philosophy, including psychology and education; physical sciences, including physics, chemistry, astronomy, and geology; biology, including botany, zoology, entomology, physiology, and bacteriology; engineering, including architecture, architectural engineering, ceramic engineering, civil engineering, electrical engineering, mechanical engineering, mechanics, mining engineering, municipal and sanitary engineering, and railway engineering; agriculture, including agronomy, animal husbandry, dairy husbandry, genetics, horticulture and floriculture, and home economics.

The Library School offers to college graduates a professional curriculum of two years in preparation for librarianship, leading to the degree of Bachelor of Library Science.

The School of Music offers curriculums in vocal and instrumental music, leading to the degree of Bachelor of Music, and provides training in public school methods in music.

The College of Education offers curriculums in:—(1) teaching and school administration (two-year professional curriculum, based on two years of college work); (2) athletic coaching (four-year undergraduate curriculum); (3) industrial education—four-year curriculums for teachers of "related subjects" and for teachers of "un-vocational subjects" under the Smith-Hughes Act, and a two-year curriculum for teachers of "general continuation subjects" under the same Act; (4) curriculums in agricultural education and in home economics education, meeting the requirements for teacher-training in these branches under the Smith-Hughes Act.

The School of Railway Engineering and Administration offers curriculums leading to the degree of Bachelor of Science in railway civil, railway electrical, and railway mechanical engineering; and also curriculums in railway transportation and in railway administration, leading to the degree of Bachelor of Arts.

The College of Law offers curriculums of three years and four years leading to the degree of Bachelor of Laws.

Students holding the bachelor's degree in arts or science may become candidates in this College for the degree of Doctor of Law (J.D.).

The College of Medicine (Chicago) requires for admission two years of college work in liberal arts and sciences, and offers a five-year curriculum; at the end of the first two years the degree of Bachelor of Science is conferred, and at the end of five years the degree of Doctor of Medicine. (For students matriculating in the College after July 1, 1917, and graduating after June 30, 1922, the completion of a year of hospital service is required for the degree of Doctor of Medicine.)

The College of Dentistry (Chicago) offers a four-year curriculum leading to the degree of Doctor of Dental Surgery. Beginning January 1, 1921, the requirement for admission was changed to include one year of work in liberal arts and sciences.

The School of Pharmacy (Chicago) offers a curriculum of two-years leading to the degree of Graduate in Pharmacy, and a curriculum of three years leading to the degree of Pharmaceutical Chemist.

The Summer Session, of eight weeks, offered in 1921, courses in accountancy, agriculture, art and design, botany, business organization and operation, chemistry, economics, education, English, entomology, French, German, history, home economics, industrial education, Latin, library science, mathematics, mechanics (theoretical and applied), music, physical education for men and for women, physics, political science, psychology, public speaking, rhetoric, sociology, Spanish, transportation, and zoology.

All the courses given in the Summer Session are of collegiate grade and may be counted toward the bachelor's degree. Certain advanced courses may be counted toward the master's degree.

ADMISSION

GENERAL STATEMENT

An applicant for admission to any of the colleges or schools of the University must be at least sixteen years of age. Candidates for admission to the College of Dentistry (Chicago), and to the School of Pharmacy (Chicago), must be seventeen years of age.

Women are admitted to all departments under the same conditions and on the same terms as men.

Students may be admitted at any time except to the professional departments in Chicago (Medicine, Dentistry, and Pharmacy), but should enter if possible at the beginning of the fall semester (in 1922, September 18,) or at the beginning of the spring semester (in 1923, February 5). Students can seldom enter the College of Engineering to advantage except at the opening of the school year in September. Candidates are received in the departments of Medicine, Dentistry, and Pharmacy only at the beginning of the first semester (during the first ten days of October).

THE UNDERGRADUATE COLLEGES

The entrance requirements for the *undergraduate departments*, including the colleges of LIBERAL ARTS AND SCIENCES, COMMERCE AND BUSINESS ADMINISTRATION, ENGINEERING, and AGRICULTURE, the SCHOOL OF MUSIC, and the curriculums in Athletic Coaching and Industrial Education in the COLLEGE OF EDUCATION, amounting in each case to 15 units¹ of high-school work, are stated in detail immediately below.

A candidate for admission *by certificate* must be a *graduate* of an accredited high school or other accredited school.

An applicant *who has attended but who has not been graduated from* an accredited school must pass entrance examinations in the following subjects, amounting to 5 units¹:

English composition	1 unit
Algebra	1 unit
Additional subjects to be designated by the University authorities	3 units
Total	5 units

The remaining 10 units necessary to make up the 15 units required for admission may also be made in entrance examinations or may be offered by certificate from an accredited school.

Number of Units Required

Fifteen units¹ of high-school or other secondary-school work, in acceptable subjects (see Lists A, B, and C below), must be offered by every candidate. (But see "Admission on Probation on Principal's Recommendation," p. 66.)

Deficiencies

No quantitative conditions are permitted. In other words, every student must offer at the time of admission 15 units in acceptable subjects. These must include the 6 units specifically prescribed for all the undergraduate colleges (see List A below). It is provided, however, that a student who offers 15 acceptable units including the 6 units of List A, but is deficient with respect to laboratory work, or a student who is deficient not to exceed 2 units in subjects prescribed only for the college or curriculum which he wishes to enter (see below), may be admitted in that college or curriculum to courses for which he is fully prepared, subject to the requirement that the deficiencies in question shall be removed before he may register for a second year's work.

A student with deficiencies is not matriculated and must pay a tuition fee of \$7.50 a semester in addition to the regular incidental fee of \$25.00 a semester.

¹A unit is the amount of work represented by the pursuit of one preparatory subject, with the equivalent of five forty-minute recitations a week, through 36 weeks; or, in other words, the work of 180 recitation periods of forty minutes each, or the equivalent in laboratory or other practise.

Prescribed Subjects

Summary

The 15 units¹ offered for admission must include:

I.	Certain subjects <i>prescribed alike for all curriculums</i> (see List A below).....	6 units
II.	Certain subjects <i>prescribed in addition for the individual curriculum</i> which the student wishes to enter.....	0 to 4 units
III.	Enough <i>electives from List B</i> (below) to make, with the subjects prescribed for all curriculums (List A) and those prescribed for the individual curriculum of the student's choice a total of 12 units.....	6 to 2 units
IV.	<i>Three additional units</i> which may be chosen either from List B or from the additional electives of List C (below).....	3 units
	Total.....	15 units

Detailed Statement

I. Units Prescribed for All Curriculums

Of the 15 units required, the following 6 units, constituting List A, are *prescribed* for admission to the freshman class in *all* the undergraduate curriculums of the University and no substitutes are accepted:

LIST A

English (composition and literature).....	3 units
Algebra ²	1 unit
Plane geometry.....	1 unit
Physics, or chemistry, or botany, or zoology, or physiology, or physiography, with laboratory work.....	1 unit
Total.....	6 units

II. Additional Prescriptions for Individual Curriculums

Of the 9 units that remain, certain others are *prescribed* for admission to *individual curriculums*, and in each case no substitutes are accepted for the curriculums in question. These additional prescriptions are as follows:

1. For the *General Curriculum*, the *Curriculum in Journalism*, and the *Pre-Legal Curriculum*, in the *College of Liberal Arts and Sciences*—
Latin, Greek, French, German, or Spanish (both units in the same language)..... 2 units
2. For the curriculums in *Household Administration*² and for *Home Economics Teachers*² in the *College of Liberal Arts and Sciences* (see also paragraph 9)—
Latin, Greek, French, German, or Spanish (both units in the same language)..... 2 units
Physics (if not offered for List A)..... 1 unit
3. For the *Pre-Medical Curriculum*,² in the *College of Liberal Arts and Sciences*—
Latin, Greek, French, or German (both units in the same language)..... 2 units
History and civics..... 1 unit
4. For the curriculums in *Chemistry* and *Chemical Engineering*, in the *College of Liberal Arts and Sciences*—
German or French (both units in the same language)..... 2 unit
Chemistry (in addition to another unit of laboratory science for List A)..... 1 unit
Advance algebra..... ½ unit
5. For the *College of Commerce and Business Administration*²—
(a) Latin, Greek, French, German, or Spanish (both units in the same language)..... 2 units
OR
(b) { Advanced algebra..... ½ unit
and
Solid and spherical geometry..... ½ unit
OR
(c) Science (in addition to the unit for List A)..... 1 unit
6. For the curriculums in *Athletic Coaching* and *Vocational Education* in the *College of Education*—
No special prescriptions; but candidates for the curriculum in Athletic Coaching must pass physical and medical examinations.
7. For the *College of Engineering*—
Advanced algebra..... ½ unit
Solid and spherical geometry..... ½ unit
8. For the *College of Agriculture*, for the agricultural curriculums—
Science (in addition to the unit for List A)..... 1 unit
9. For the *College of Agriculture*, for the *Curriculum in Home Economics*¹ (see also paragraph 2)—
Physics (in addition to another unit of laboratory science for List A)..... 1 unit
10. For the *School of Music*—
Latin, Greek, French, German, or Spanish (both units in the same language)..... 2 units
Music..... 2 units

¹See footnote, page 62.

²It is desirable that students who intend to pursue curriculums involving college mathematics, physics, or advanced chemistry, including the curriculums in home economics, the pre-medical curriculum, and the curriculums in commerce and business administration in which university courses in mathematics are prescribed should present for admission *one-half unit of advanced algebra* in addition to the required unit of Li

III. Electives from List B

Enough electives must be chosen from List B below to make, with the subjects prescribed for all curriculums (List A) and those prescribed for the individual curriculum of the student's choice, a total of 12 units.

LIST B		Unit
Latin	36 to 144 weeks	1-4
Greek	36 to 108 weeks	1-3
French	36 to 144 weeks	1-4
German	36 to 144 weeks	1-4
Spanish	36 to 144 weeks	1-4
Italian ¹	36 to 72 weeks	1-2
Norwegian ¹	36 to 72 weeks	1-2
Swedish ¹	36 to 72 weeks	1-2
Polish ¹	36 to 72 weeks	1-2
English (4th unit)	36 weeks	1
Advanced algebra ²	18 or 36 weeks	½-1
Solid geometry	18 weeks	½
Trigonometry	18 weeks	½
History ³	36 to 144 weeks	1-4
Civics	18 or 36 weeks	½-1
Economics and economic history	18 or 36 weeks	½-1
Commercial geography	18 or 36 weeks	½-1
Astronomy	18 weeks	½
Geology	18 or 36 weeks	½-1
Physiography	18 or 36 weeks	½-1
Physiology	18 or 36 weeks	½-1
Zoology	18 or 36 weeks	½-1
Botany	18 or 36 weeks	½-1
Physics	36 to 72 weeks	1-2
Chemistry	36 to 72 weeks	1-2
General science	18 to 36 weeks	½-1

IV. Additional Electives: List C

The remaining 3 units may be chosen either from List B above or from List C:

LIST C ⁴		Units
Agriculture	36 to 108 weeks	1-3
Bookkeeping	36 weeks	1
Business law	18 weeks	½
Commercial arithmetic ⁵	18 weeks	½
Domestic science	36 to 108 weeks	1-3
Drawing, art and design	18 or 36 weeks	½-1
Drawing, mechanical	18 or 36 weeks	½-1
Manual training ⁶	36 to 72 weeks	1-2
Music	36 to 72 weeks	1-2
Shorthand and typewriting ⁷	36 to 72 weeks	1-2

Summary by Colleges and Curriculums

The requirements stated above may be summarized by colleges and curriculums as follows:

(1) For the *General Curriculum*, the *Curriculum in Journalism*, and the *Pre-Legal Curriculum*, in the COLLEGE OF LIBERAL ARTS AND SCIENCES—

- I. List A (prescribed for all curriculums)..... 6 units
- II. Special prescription for these curriculums—
 - Latin, Greek, French, German, or Spanish (both units in the same language) . . . 2 units
- III. Electives from List B..... 4 units
- IV. Electives from either List B or List C..... 3 units

Total..... 15 units

(2) For the curriculums in *Household Administration*¹ and for *Home-Economics Teachers*¹, in the COLLEGE OF LIBERAL ARTS AND SCIENCES—

- I. List A (prescribed for all curriculums)..... 6 units
- II. Special prescriptions for these curriculums—
 - Latin, Greek, French, German, or Spanish (both units in the same language) . . . 2 units
 - Physics (if not offered for List A)..... 1 unit
- III. Electives from List B..... 3 units
- IV. Electives from either List B or List C..... 3 units

Total..... 15 units

¹Not accepted in satisfaction of the foreign-language prescription for the colleges of Liberal Arts and Sciences, Commerce and Business Administration, and Medicine, or of the School of Music, but only as an elective.

²See footnote 2, page 63

³Greek and Roman history, 1 unit; medieval and modern history, 1 unit; English history, ½ or 1 unit. American History, ½ or 1 unit.

⁴The subjects named in List C must be taught in accordance with specifications which are set forth in the High School Manual. Further information may be had on application to the High School Visitor.

⁵Accepted only when taken *after* algebra and plane geometry.

⁶In giving credit for manual training the University specifies that the work is to be done by competent teachers, as determined by inspection, and that credit shall not exceed one unit for 360 forty-minute periods of work, including the necessary drawing and shop work.

⁷These two subjects must be offered together; no credit is given for either one offered separately

(3) For the *Pre-Medical Curriculum*¹, in the COLLEGE OF LIBERAL ARTS AND SCIENCES—

I.	List A (prescribed for all curriculums).....	6 units
II.	Special prescriptions for this curriculum—	
	Latin, Greek, French, or German (both units in the same language).....	2 units
	History and civics.....	1 unit
III.	Electives from List B.....	3 units
IV.	Electives from either List B or List C.....	3 units
	Total.....	15 units

(4) For the curriculums in *Chemistry* and *Chemical Engineering*, in the COLLEGE OF LIBERAL ARTS AND SCIENCES—

I.	List A (prescribed for all curriculums).....	6 units
II.	Special prescriptions for these curriculums—	
	German or French (both units in the same language).....	2 units
	Chemistry (in addition to another unit of laboratory science for List A).....	1 unit
	Advanced algebra.....	½ unit
III.	Electives from List B.....	½ unit
IV.	Electives from either List B or List C.....	3 units
	Total.....	15 units

(5) For the COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION¹—

I.	List A (prescribed for all curriculums).....	6 units
II.	Special prescriptions for this College—	
	Latin, Greek, French, German, or Spanish (both units in the same language).....	2 units
	OR	
	Advanced algebra and solid and spherical geometry.....	1 unit
	OR	
	Science (in addition to the unit for List A).....	1 unit
III.	Electives from List B.....	4 or 5 units
IV.	Electives from either List B or List C.....	3 units
	Total.....	15 units

(6) For the curriculums in *Athletic Coaching*² and *Industrial Education*, in the COLLEGE OF EDUCATION—

I.	List A (prescribed for all curriculums).....	6 units
II.	Electives from List B.....	6 units
III.	Electives from either List B or List C.....	3 units
	Total.....	15 units

(7) For the COLLEGE OF ENGINEERING—

I.	List A (prescribed for all curriculums).....	6 units
II.	Special prescriptions for this College—	
	Advanced algebra.....	½ unit
	Solid and spherical geometry.....	½ unit
III.	Electives from List B.....	5 units
IV.	Electives from either List B or List C.....	3 units
	Total.....	15 units

(8) For the COLLEGE OF AGRICULTURE, for the agricultural curriculums—

I.	List A (prescribed for all curriculums).....	6 units
II.	Special prescription for these curriculums—	
	Science (in addition to the unit for List A).....	1 unit
III.	Electives from List B.....	5 units
IV.	Electives from either List B or List C.....	3 units
	Total.....	15 units

(9) For the COLLEGE OF AGRICULTURE, for the *Curriculum in Home Economics*¹—

I.	List A (prescribed for all curriculums).....	6 units
II.	Special prescription for this curriculum—	
	Physics (in addition to another unit of laboratory science for List A).....	1 unit
III.	Electives from List B.....	5 units
IV.	Electives from either List B or List C.....	3 units
	Total.....	15 units

¹See footnote 2, page 63

²Candidates for the curriculum in Athletic Coaching must pass physical and medical examinations.

(10) For the SCHOOL OF MUSIC—

I. List A (prescribed for all curriculums).....	6 units
II. Special prescriptions for this School—	
Latin, Greek, French, German, or Spanish (both units in the same language) . . .	2 units
Music.....	2 units
III. Electives from List B.....	2 units
IV. Electives from either List B or List C.....	3 units
Total.....	15 units

Admission on Probation on Principal's Recommendation

A student who has been graduated from an accredited school, whose high-school course includes fifteen units, six of which are made up from List A, but whose high-school credits do not completely meet the requirements with respect to the selection of electives from Lists B and C, may be admitted to the University *on trial* for one semester *on the special recommendation of his high-school principal*; with the proviso that he shall be dropped automatically at the end of the first semester if he fails in more than one-third of his work; and that if his grades in more than one-fourth of his work are below C he *may* be dropped on the recommendation of his college faculty. Such a student during his trial period is not permitted to take part in any public exhibition, or serve on the staff of any student publication, or hold or become a candidate for any undergraduate office.

Admission as Special Students

Persons over twenty-one years of age may be admitted as special students in the undergraduate colleges, provided they secure (1) the recommendation of the instructor whose work they wish to take, and (2) the approval of the dean of the college concerned. They must give evidence that they possess the requisite information and ability to pursue profitably, as special students, their chosen subjects, and must meet the special requirements of the particular college in which they wish to enroll, as stated below.

A special student is not matriculated and must pay a tuition fee of \$7.50 a semester in addition to the regular incidental fee of \$25.00 a semester if a resident of the State, or of \$37.50, if a non-resident.

No one may enroll as a special student in any school or college of the University *for more than two years*, except by special permission, application for which must be made through the dean of the college.

A person registered as a special student in one college and desiring to take a course in another college of the University must obtain the approval of the dean of the latter college.

Special Requirements of the Colleges and Schools

The College of Liberal Arts and Sciences requires a written application, accompanied by official certificates, indicating the character and extent of the applicant's preparatory work, and showing honorable dismissal from the school last attended. In order that action may be taken on such applications before registration they should be presented at least one week before the beginning of the semester.

The College of Engineering requires that applicants for admission as special students shall satisfy the entrance requirements in mathematics and English (one and one-half years of algebra, one year of plane geometry, one-half year of solid geometry, one year of English composition, and two years of English literature).

The College of Agriculture will receive non-matriculants twenty-one years old or over, provided that if deficient in English as measured by the requirements for matriculation, they shall arrange to carry English as one subject until that deficiency is made good; and provided further, in the case of men, that they shall have at least two years of experience in practical agriculture.

The College of Law has a regulation providing that no credit earned by a special student in the College of Law may be counted towards a degree in law.

Sources of Acceptable Credits

The credits required for admission to the undergraduate departments, as detailed above, may be secured:

- (a) By *examination*.
- (b) By *certificate* from an accredited high school or other secondary school.
- (c) By *transfer* from another university or college of recognized standing.

(A) Admission by Examination*I. The University Entrance Examinations*

The University entrance examinations are given at the University in Urbana (in Room 100, Commerce Building) three times in each year: in September, immediately before the opening of the fall semester; in January and February, shortly before the opening of the spring semester; and in July, during the Summer Session. Similar examinations are given in Chicago five times in each year, about March 15, June 15, August 25, September 15, and December 15.

These examinations cover all the subjects required or accepted for admission, as outlined in the "Description of Subjects Accepted for Admission" on page 225.

Programs of these various sets of examinations may be obtained by addressing the Registrar.

II. The Examinations of the College Entrance Examination Board

The certificate of the College Entrance Examination Board, showing a grade of 60 per cent or higher, will be accepted for admission in any subject in the lists on pages 63 and 64 in the amounts there specified as being acceptable. These examinations will be held during the week of June 19-24, 1922.

All applications for examination must be addressed to the Secretary of the College Entrance Examination Board, 431 West 117th Street, New York, N. Y., and must be made upon a blank form to be obtained from the Secretary of the Board on application.

Applications for examination at points in the United States east of the Mississippi River, and at points on the Mississippi River, must be received by the Secretary of the Board at least three weeks in advance of the examinations, that is, on or before Monday, May 29, 1922; applications for examination at points in the United States west of the Mississippi River or in Canada must be received at least four weeks in advance of the examinations, that is, on or before Monday, May 22, 1922; and applications for examinations outside of the United States or Canada must be received at least six weeks in advance of the examinations, that is, on or before Monday, May 8, 1922.

Applications received later than the dates named will be accepted when it is possible to arrange for the admission of the candidate concerned, but only on payment of \$9.00 in addition to the usual fee.

The examination fee is \$9.00 for all candidates examined at points in the United States or Canada, and \$20.00 for all candidates examined outside of the United States and Canada. The fee should be remitted by postal order, express order, or draft on New York to the order of the College Entrance Examination Board and should accompany the application.

A list of the places at which examinations are to be held by the Board in June, 1922, will be published about March 1. Requests that the examinations be held at particular points, to receive proper consideration, should be transmitted to the Secretary of the Board not later than February 1.

III. The New York Regents' Examinations

Credits will be accepted, also, from the examinations conducted by the Regents of the University of the State of New York.

(B) Admission by Certificate from an Accredited Preparatory School

Blank certificates for students wishing to enter the University by *certificate* from an accredited high school or academy may be had of the Registrar. They should be obtained early and should be filled out and sent to the Registrar for approval as soon as possible after the close of the high-school year in June. Certificates received at the University after September 15 (in 1922) will be held until the arrival of the student unless such certificates are accompanied by an addressed envelope with a special delivery stamp.

Accredited Schools

The High-School Visitor of the University visits and inspects, on request, high schools and other preparatory schools throughout the State. On the basis of his reports, approved by the Committee on Accredited Schools and by the Council of Administration, the University accredits all work which is found to be sufficiently well done. For a list of accredited schools, see page 71. Not all the schools named in this list, however, are accredited for the same amount of work nor all for the same subjects. A student presenting a certificate from any one of these schools will be given entrance credit for all the subjects named therein,

for which the school is specifically accredited as shown in the certificate of its accredited relation issued to the school by the University.

Entrance credits will also be accepted on certificate from the following sources:

1. From schools accredited by the North Central Association of Colleges and Secondary Schools.
2. From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools, provided the certificate shows that the Illinois standard time requirements have been met.
3. From schools accredited by the Southern Association of Colleges and Secondary Schools.
4. From schools approved by the New England College Entrance Certificate Board.
5. From high schools and academies registered by the Regents of the University of the State of New York.
6. From the state normal schools of Illinois and other state normal schools having equal requirements for graduation.

Foreign Students

Candidates for admission who come from foreign countries should bring complete official credentials. Certificates from Oriental and Slavic countries must be accompanied by certified translations. Upon arriving at the University foreign students should consult with the Assistant Dean of Foreign Students, Room 153, Administration Building.

No-Credit Course in Rhetoric for Deficient Students

Early in the first semester the Department of English determines by a series of tests, including the writing of several compositions, the grade of each student's preparation to pursue the freshman work in rhetoric, and places those students who are found to be insufficiently prepared in a special course for which no credit is given.

(C) Admission by Transfer of Entrance Credits from Other Colleges or Universities

A person who has been admitted to another college or university of recognized standing will be admitted to this University upon presenting a certificate of honorable dismissal from the institution from which he comes and an official statement of the subjects upon which he was admitted to such institution, provided it appears that the subjects are those required here for admission by examination or real equivalents. No substitutes will be accepted for the subjects *prescribed* for all colleges or for individual colleges as indicated above (pages 62-65); except that a student who comes from a college or university rated in Class A by the Committee on Admissions from Higher Institutions, with a record of thirty hours without failures or conditions and with an average grade ten per cent above the passing grade of the college, may be matriculated irrespective of deficiencies in prescribed subjects.

Admission to Advanced Standing

After matriculation, an applicant may secure advanced standing either by examination or by transfer of credits.

1. *By examination*—Advanced standing is granted only by examination unless the applicant is from an approved school. Examinations for advanced standing are given without fee if taken within 60 days after matriculation; if taken later, a fee of \$5.00 is charged for each examination.

2. *By transfer of credits*—Credits may be accepted for advanced standing from another university or a college or a junior college of recognized standing or from a state normal school. In general it is unwise for a student to enter a specialized curriculum at the university as late as the beginning of senior year. An applicant for advanced standing by transfer must present a certified record of work done in the institution from which he comes, accompanied by a summary of their preparatory work and by a letter of honorable dismissal. Students intending to transfer to the University of Illinois should send their credentials to the Registrar as early in the summer as possible.

Students in large number enter the University each year after completing one, two or even three years at the smaller universities and the colleges of the State. In recognition of this situation the University is cooperating cordially and sympathetically with the higher institutions in the State in their endeavor to coordinate their work with that of the University. In order that definite information may be had in advance in regard to the credit which may be allowed from a specific institution, the University in conference with the

colleges, has adopted certain standards for accrediting and has classified the higher institutions within the State in accordance with the manner in which they are able to meet these standards. Students from the colleges which have met these standards in full enter the College of Liberal Arts and Sciences with hour for hour credit; and upon entering the more specialized curriculums of the other Colleges of the University such students are given full credit for all courses which are coordinate with the requirements of the curriculum in question.

The Registrar of the University will, upon application, gladly furnish full information in regard to the transfer from Illinois colleges.

THE PROFESSIONAL SCHOOLS

The College of Education

For admission to the *two-year professional curriculums* in the COLLEGE OF EDUCATION, leading to the degree of Bachelor of Science in education, a candidate must be able to matriculate in one of the undergraduate colleges and must offer in addition *60 semester hours* of college credit (exclusive of military science).

(For the requirements for the undergraduate curriculums in Athletic Coaching and Industrial Education in this College, see above.)

The College of Law

For admission to the *three-year curriculum* in the COLLEGE OF LAW as a regular student an applicant must be matriculated and have 60 hours' credit in a college of this University; or have completed two full years of work as given at another college or university of recognized standing, as a matriculated student in such college or university; or have received by transfer 60 hours of university credit here.

The Library School

Admission to the LIBRARY SCHOOL is conditioned on the presentation of credentials showing that the applicant holds a bachelor's degree in arts or science from the University of Illinois or has had other equivalent training. No entrance examinations are required.

Application blanks for admission may be secured from the Director of the School, and these, filled out, should be filed, together with such documentary material as the candidate may offer, showing qualifications for admission, generally not later than August 1. It is to the candidate's interest to present his application and certificates early, in order that the question of admission may be settled before he comes to Urbana.

For admission as a *special student* to the Library School a written application is required, accompanied by official certificates, indicating the character and extent of the applicant's preparatory and college work. In order that action may be taken on such applications before registration day, they should generally be presented not later than one month before registration days. It is the practise of this School to admit as *special students* only those persons who, tho unable to meet the formal requirements for entrance, are substantially prepared for thoro and advanced work. Such persons must present evidence of possessing the requisite information and ability to pursue the chosen subjects profitably, and some substitute for the lacking requirements for entrance, such as approved library or teaching experience or foreign travel. Preference will be given to those already engaged in library work, especially in Illinois libraries. Students thus admitted are expected to take all of the curriculum prescribed for those who are candidates for the degree of Bachelor of Library Science, or failing that, as much of the prescribed work as they are prepared for.

The College of Medicine (Chicago)

For admission to the COLLEGE OF MEDICINE, candidates must present:

I. Four years' work in an accredited high school or the equivalent, comprising not less than 15 units in acceptable subjects, including prescribed subjects as follows:

English.....	3 units
Algebra.....	1 unit
Plane geometry.....	1 unit
Latin, Greek, German, or French (both units in the same language).....	2 units
History and civics.....	1 unit
Electives.....	7 units
Total.....	15 units

2. Two years' work in a recognized college or university, comprising not less than 60 semester hours, and including prescribed subjects as follows:

Chemistry (including organic chemistry, 4 semester hours).....	12 semester hours
Physics (see Note 1).....	8 semester hours
Biology (see Note 2).....	8 semester hours
English (see Note 3).....	6 semester hours
German, French, Spanish, or Italian (see Note 4).....	6 semester hours
Electives outside of the chemical, physical, and biological sciences (see Note 5).....	6 semester hours
Free electives (see Note 5).....	14 semester hours
Total.....	60 semester hours

Note 1: Physics—At least 2 of these 8 semester hours must consist of laboratory work.

Note 2: Biology—Four of these 8 semester hours must consist of laboratory work. This requirement may be satisfied by a course of 8 semester hours in either general biology or zoology, or by courses of 4 semester hours each in zoology and botany, but not by botany alone.

Note 3: English—The usual introductory college course of 6 semester hours in English composition and literature is intended.

Note 4: German, French, Spanish, or Italian—German or French is preferred. The student is strongly urged to secure a reading knowledge of one of these languages. This will ordinarily require at least two years' work in the high school followed by at least 6 hours' work in the same language in college, or two years' work (at least 12 hours) in college if the language was not begun in the high school, or the equivalent.

Note 5: Electives—As desirable electives the following subjects are suggested: psychology; college algebra and trigonometry; additional English; economics, history, sociology, political science; logic; Latin, Greek; drawing. Among the free electives advanced chemistry, zoology and botany may be offered.

Students in the University of Illinois who have completed the minimum of 60 semester hours of college work, including the prescribed subjects as stated above, and who have done in residence at the University at least two semesters of such work, may continue their registration in the University, in the College of Medicine, by complying with the general regulations (including the payment of fees in advance) for registration in the College of Medicine, subject to the following conditions:

1. The student who wishes thus to continue in the University must signify his intention to the Registrar on a form provided by the University not later than June 15 of the year in which he purposes to begin his medical course, if the student completes this work in June. If the work is to be completed in the Summer Session, the form referred to must be filed by July 1.

2. The student will have the same status in the College of Medicine that he would have had if he had continued in the college from which he transferred.

No conditions are permitted. Candidates for admission who in June, 1922, will have completed the above requirements except for a few hours in collegiate subjects should plan to make up these deficiencies in full by attendance at summer sessions during the summer of 1922.

The College of Dentistry (Chicago)

For admission to the COLLEGE OF DENTISTRY, candidates must present:

1. Four years' work in an accredited high school or the equivalent, comprising not less than 15 units in acceptable subjects, including prescribed subjects as follows:

English.....	3 units
Algebra.....	1 unit
Plane geometry.....	1 unit
Physics (with laboratory work).....	1 unit
Electives from List B (see page 71).....	6 units
Electives from either List B or List C (see page 64).....	3 units
Total.....	15 units

A student who is a graduate of an accredited high school with 15 units in acceptable subjects, including 3 in English, 1 in algebra, 1 in plane geometry, and 1 in *laboratory science other than physics*, may be admitted with a deficiency of one unit in physics. Such a student must remove his deficiency before he may register for his second year in the College of Dentistry.

2. One year of work in an approved college of liberal arts and sciences, comprising not less than 30 semester hours, and including prescribed subjects as follows:

Chemistry.....	6 semester hours
Biology or Physics.....	6 semester hours
English.....	6 semester hours
Electives.....	12 semester hours
Total.....	30 semester hours

The School of Pharmacy (Chicago)

The requirements for the SCHOOL OF PHARMACY are the same as those for the undergraduate colleges at Urbana with respect to *high-school graduation*, the *number of units required*, the *acceptable subjects*, and the *prescribed subjects of List A* (see pages 62 and 63).

The required fifteen units may be summarized as follows:

I. Prescribed subjects (List A)—		
English (composition and literature).....		3 units
Algebra.....		1 unit
Plane geometry.....		1 unit
Physics, or chemistry, or botany, or zoology, or physiology, or physiography, with laboratory work.....		1 unit
II. Electives from List B (see page 64).....		6 units
III. Electives from either List B or List C (see page 64).....		3 units
Total.....		15 units

THE GRADUATE SCHOOL

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the Faculty after the student has demonstrated by his work here, for from two to five months, that he has the ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

A graduate of an institution meeting the requirements of a standard college (see p. 157) may be admitted to the Graduate School, provided he satisfies the Dean and the departments concerned that he will be able to proceed to the master's degree in a period not exceeding two years.

LIST OF ACCREDITED SCHOOLS

(Correct to January 1, 1922)

The following high schools, having all the *prescribed* units, and enough others to make up the *required total* of 15 units, are in the list of fully accredited schools.

Not all of these schools, however, are accredited for the same amount of work, nor all for the same subjects. A student presenting a certificate from any one of these schools will be given entrance credit for all the subjects named therein for *which the school is specifically accredited, as shown in the certificate of its accredited relation issued by the University.*

The High-School Visitor of the University, on request, inspects high schools not previously accredited, if the request is accompanied by a report of the school which shows that it merits such inspection. The University accredits all work which is thus found to be sufficiently well done. For further particulars address THE HIGH-SCHOOL VISITOR, in care of the University of Illinois.

FULLY ACCREDITED SCHOOLS

ABINGDON	ARMSTRONG TP.
HIGH SCHOOL	ARTHUR TP.
HEDDING COLLEGE ACADEMY	ASHLEY TP.
ACADEMY OF OUR LADY (Chicago)	ASHTON
ACADEMY OF OUR LADY (Peoria)	ASSUMPTION TP.
ACADEMY OF SACRED HEART (Lake Forest)	ASTORIA
ACADEMY OF ST. TERESA (Decatur)	ATHENS COM.
ALBION COM.	ATLANTA COM.
ALEDO	ATWOOD TP.
ALEXIS COM.	AUBURN TP.
ALTAMONT	AUGUSTA COM.
ALTON	AUGUSTANA COLLEGE ACADEMY (Rock Island)
HIGH SCHOOL	AURORA
URSULINE ACADEMY	EAST HIGH SCHOOL
WESTERN MILITARY ACADEMY	WEST HIGH SCHOOL
ALTONA (Walnut Grove Tp.)	JENNINGS SEMINARY
ALVIN (Ross Tp.)	AUSTIN HIGH SCHOOL (Chicago)
AMBOY TP.	AVERYVILLE (Peoria)
ANNA (Anna-Jonesboro Com.)	AVON COM.
ANTIOCH TP.	BARRINGTON
ARCOLA TP.	BARRY COM.
ARGENTA TP.	BATAVIA
ARLINGTON HEIGHTS TP.	BEARDSTOWN
ARMINGTON (Hittle Tp.)	BEAVERVILLE (Holy Family Academy)

- BELLEVILLE TP.
 BELLFLOWER TP.
 BELVIDERE
 BEMENT TP.
 BENLD TP.
 BENTON TP.
 BETHANY TP.
 BIGGSVILLE TP.
 BISMARCK TP.
 BLACKBURN COLLEGE ACADEMY (*Carlinsville*)
 BLANDINSVILLE
 BLOOMINGTON
 HIGH SCHOOL
 ST. JOSEPH'S ACADEMY
 ST. MARY'S HIGH SCHOOL
 BLOOM TOWNSHIP (*Chicago Heights*)
 BLUE ISLAND TP.
 BLUE MOUND COM.
 BLUFFS COM.
 BONE GAP COM
 BOURBONNAIS
 NOTRE DAME CONVENT
 ST. VIATOR COLLEGE ACADEMY.
 BOWEN COMMUNITY
 BOWEN HIGH SCHOOL (*Chicago*)
 BRADLEY POLYTECHNIC INSTITUTE (*Peoria*)
 BRIDGEPORT TP.
 BRIMFIELD TP.
 BUCKLEY TP.
 BUDA TP.
 BUREAU TP. (*Princeton*)
 BUSHNELL
 BYRON COM.
 CAIRO
 HIGH SCHOOL
 SUMNER HIGH SCHOOL
 ST. JOSEPH HIGH SCHOOL
 CALUMET HIGH SCHOOL (*Chicago*)
 CAMBRIDGE
 CAMP POINT COM.
 CANTON
 CAPRON (*Capron-Boone-McHenry Com.*)
 CARBONDALE
 COMMUNITY HIGH SCHOOL
 So. ILL. NORMAL UNIV. H. S.
 CARLINSVILLE
 COMMUNITY HIGH SCHOOL
 BLACKBURN COLLEGE ACADEMY
 CARLYLE
 CARMi TP.
 CARROLLTON
 CARTERVILLE COM.
 CARTHAGE
 HIGH SCHOOL
 CARTHAGE COLLEGE ACADEMY
 CASEY TP.
 CATLIN TP.
 CENTRALIA TP.
 CERRO GORDO
 CHAMPAIGN
 HIGH SCHOOL
 ST. MARY'S HIGH SCHOOL
 CHANDLERVILLE COM.
 CHARLESTON
 HIGH SCHOOL
 E. I. S. N. H. S.
 CHATSWORTH TP.
 CHEBANSE DIST.
 CHENOA COM.
 CHESTER
 CHICAGO: PUBLIC SCHOOLS
 AUSTIN
 BOWEN
 CALUMET
 CRANE TECH.
 ENGLEWOOD
 FENGER
 FLOWER TECH.
 HARRISON TECH.
 HYDE PARK
 LAKE VIEW
 LANE TECH.
 LINDBLUM
 MCKINLEY
 MARSHALL
 MEDILL
 MORGAN PARK
 PARKER
 PHILLIPS
 SCHURZ
 SENN
 TILDEN TECH.
 TULEY
 WALLER
 CHICAGO: PRIVATE SCHOOLS
 ACADEMY OF OUR LADY
 DEPAUL UNIVERSITY ACADEMY
 FAULKNER SCHOOL FOR GIRLS
 FRANCIS W. PARKER
 HARVARD SCHOOL FOR BOYS
 HOLY CHILD ACADEMY
 JOSEPHINUM ACADEMY
 KENWOOD-LORING INSTITUTE
 LATIN SCHOOL
 LORETTO ACADEMY
 LOYOLA ACADEMY
 LUTHER INSTITUTE
 MISS SPAID'S SCHOOL
 MORGAN PARK MIL. ACADEMY
 NORTH PARK COLLEGE ACADEMY
 OUR LADY OF PROVIDENCE ACADEMY
 PULLMAN FREE MANUAL TRAIN. H. S.
 ST. CYRIL COLLEGE ACADEMY
 ST. FRANCIS XAVIER ACADEMY
 ST. IGNATIUS ACADEMY
 ST. LOUIS ACADEMY
 ST. MARY'S HIGH SCHOOL
 ST. RITA COLLEGE ACADEMY
 ST. STANISLAUS COLLEGE ACADEMY
 ST. THOMAS THE APOSTLE
 STARRETT SCHOOL FOR GIRLS
 UNIVERSITY OF CHICAGO HIGH SCHOOL
 UNIVERSITY SCHOOL FOR GIRLS
 VISITATION HIGH SCHOOL
 Y. M. C. A. DAY SCHOOL
 Y. M. C. A. EVENING PREP. SCHOOL
 CHICAGO HEIGHTS (*Bloom Tp*)
 CHILLICOTHE TP
 CHRISMAN TP
 CICERO (*J. Sterling Morton Tp.*)
 CLAYTON
 CLINTON COM.
 COAL CITY TP.
 COBDEN COM.
 COLFAX COM.
 COLLINSVILLE TP.
 CRANE TECH. HIGH SCHOOL (*Chicago*)
 CRYSTAL LAKE COM.
 CUBA COM.
 DALLAS CITY
 DANVILLE
 DECATUR
 HIGH SCHOOL
 ACADEMY OF ST. TERESA
 DEERFIELD-SHIELDS TP. H. S. (*Highland Park*)
 DEKALB TP.
 DELAND TP.
 DELAVAN COM.
 DEPAUL UNIV. ACADEMY (*Chicago*)
 DEPUÉ
 DESPLAINES (*Maine Tp.*)
 DIVERSON TP.
 DIXON (*North and South*)
 DONOVAN MEMORIAL (*Rantoul*)
 DONOVAN TP.
 DOWNERS GROVE
 DRUMMER TP. HIGH SCHOOL (*Gibson City*)
 DUNDEE COM.
 DUQUOIN TP.
 DURAND
 DWIGHT TP.
 EARLVILLE COM.
 EAST ALTON—WOOD RIVER COM. H. S. (*Wood River*)
 EAST DUBUQUE
 EAST HIGH SCHOOL (*Aurora*)
 EAST LYNN TP.
 EAST MOLINE (*United Tp*)
 EASTON COM.

- EAST ST. LOUIS
HIGH SCHOOL
LINCOLN HIGH SCHOOL
ST. TERESA'S ACADEMY
EDUCATIONAL INST. H. S. (*Mooseheart*)
EDWARDSVILLE
EFFINGHAM
E. I. S. N. H. S. (*Charleston*)
ELBURN COM.
ELDORADO TP.
ELGIN
HIGH SCHOOL
ELGIN ACADEMY
ELIZABETH COM.
ELMHURST
YORK COM.
ELMHURST ACAD.
ELMWOOD COM.
EL PASO TP.
EMPIRE TP. (*Le Roy*)
ENGLEWOOD HIGH SCHOOL (*Chicago*)
EQUALITY TP.
ERIE COM.
EUREKA TP.
EVANSTON
TOWNSHIP HIGH SCHOOL
MARYWOOD SCHOOL
EWING (*Ewing College Academy*)
FAIRBURY TP.
FAIRFIELD COM.
FARINA
FARMER CITY (*Moore Tp.*)
FARMINGTON COM.
FAULKNER SCHOOL FOR GIRLS (*Chicago*)
FENGER HIGH SCHOOL (*Chicago*)
FERRY HALL (*Lake Forest*)
FISHER COM.
FLORA (*Harter-Stanford Tp.*)
FLOWER TECH. HIGH SCHOOL (*Chicago*)
FORRESTON
FORREST TP.
FRANCES SHIMER SCHOOL (*Mt. Carroll*)
FRANCIS W. PARKER SCHOOL (*Chicago*)
FREEPORT
FULTON
GALENA
GALESBURG
GALVA COM.
GARDNER (*South Wilmington Tp.*)
GENESEO TP.
GENEVA COM.
GENOA TP.
GEORGETOWN TP.
GIBSON CITY (*Drummer Tp.*)
GILLESPIE COM.
GILMAN COM.
GIRARD TP.
GLENN ELLYN TP.
GODFREY (*Monticello Seminary*)
GOLCONDA
GOLDEN COM.
GOODE-BARREN TP. HIGH SCHOOL (*Sesser*)
GRANITE CITY COM.
GRANVILLE (*Hopkins Tp.*)
GRAYVILLE COM.
GREENFIELD COM.
GREENUP
GREEN VALLEY COM.
GREENVIEW
GREENVILLE
GRIGGSVILLE COM.
GURNEE (*Warren Tp.*)
HALL TP. HIGH SCHOOL (*Spring Valley*)
HAMILTON
HAMPSHIRE TP.
HARRISBURG TP.
HARRISON TECH. HIGH SCHOOL (*Chicago*)
HARTER-STANFORD HIGH SCHOOL (*Flora*)
HARVARD COM.
HARVARD SCHOOL FOR BOYS (*Chicago*)
HARVEY (*Thornton Tp*)
HAVANNA COM.
HEBRON COM.
HEDDING COLLEGE ACADEMY (*Abingdon*)
HENNING COM.
HENRY TP.
- HERRIN TP.
HEYWORTH COM.
HIGHLAND
HIGHLAND PARK (*Deerfield-Shields Tp.*)
HILLSBORO COM.
HINCKLEY
HINDSBORO COM.
HINSDALE TP.
HITTLE TP. (*Armington*)
HOLY CHILD ACADEMY (*Chicago*)
HOLY FAMILY ACADEMY (*Beaverville*)
HOMER
HONONEGAH COM. HIGH SCHOOL (*Rockton*)
HOOPESTON
HOPKINS TP. HIGH SCHOOL (*Granville*)
HUME TP.
HUNTLEY COM.
HUTSONVILLE TP.
HYDE PARK HIGH SCHOOL (*Chicago*)
ILLIOPOLIS COM.
INDIANOLA COM.
INDUSTRY TP.
IPAVA COM.
IRVING TP.
JACKSONVILLE
HIGH SCHOOL
ROUTT COLLEGE ACADEMY
JENNINGS SEMINARY (*Aurora*)
JERSEYVILLE TP.
JOHNSTON CITY TP.
JOHN SWANEY TP. (*McNabb*)
JOINT TP. HIGH SCHOOL (*Tiskilwa*)
JOLIET
TP. HIGH SCHOOL
PROVIDENCE HIGH SCHOOL
ST. FRANCIS ACADEMY
JOSEPHINUM ACADEMY (*Chicago*)
J. STERLING MORTON HIGH SCHOOL (*Cicero*)
KANAKAKEE
HIGH SCHOOL
ST. JOSEPH'S SEMINARY
KANSAS
KENILWORTH (*New Trier Tp*)
KENNEY COM.
KENWOOD-LORING INSTITUTE (*Chicago*)
KEWANEE
HIGH SCHOOL
WETHERSFIELD TP. HIGH SCHOOL
KINMUNDY
KIRKWOOD
KNOXVILLE
LACON COM.
LAFAYETTE TP.
LAGRANGE
LYONS TP. HIGH SCHOOL
NAZARETH ACADEMY
LAKE FOREST
ACADEMY OF SACRED HEART
FERRY HALL
LAKE FOREST ACADEMY
LAKE VIEW HIGH SCHOOL (*Chicago*)
LAMOILLE COM.
LANARK COM.
LANE TECH. HIGH SCHOOL (*Chicago*)
LASALLE (*LaSalle Peru Tp.*)
LATIN SCHOOL (*Chicago*)
LAWRENCEVILLE TP.
LEBANON
HIGH SCHOOL
MCKENDREE COLLEGE ACADEMY
LELAND COM.
LENA COM.
LEROY (*Empire Tp.*)
LEWISTOWN
LEXINGTON COM.
LIBERTYVILLE TP.
LINCOLN COM.
LINCOLN HIGH SCHOOL (*East St. Louis*)
LINDBLUM HIGH SCHOOL (*Chicago*)
LISLE (*St. Procopius Col. Acad.*)
LITCHFIELD COM.
LOCKPORT TP.
LODA TP.
LONGVIEW TP.
LORETTO ACADEMY (*Chicago*)
LOSTANT COM

- LOVEJOY COM. HIGH SCHOOL (*Mound City*)
 LOVINGTON TP.
 LOYOLA ACADEMY (*Chicago*)
 LUTHER INSTITUTE (*Chicago*)
 LYNDON COM.
 LYONS TP. HIGH SCHOOL (*La Grange*)
 MCHENRY COM.
 MCKENDREE COLLEGE ACADEMY (*Lebanon*)
 MCKINLEY HIGH SCHOOL (*Chicago*)
 MCLEAN COM
 MCLEANSBORO
 MCNABB (*John Swaney Tp*)
 MACKINAW TP.
 MACOMB
 HIGH SCHOOL
 W. I. N. ACADEMY
 MAGNOLIA TP.
 MAHOMET COM.
 MAINE TP HIGH SCHOOL (*Des Plaines*)
 MANSFIELD COM.
 MANUAL TR. HIGH SCHOOL (*Peoria*)
 MARENGO COM.
 MARIA IMMACULATE ACADEMY (*Wilmette*)
 MARION TP.
 MARISSA TP.
 MAROA COM.
 MARSEILLES
 MARSHALL HIGH SCHOOL (*Chicago*)
 MARSHALL TP.
 MARTINSVILLE
 MARYWOOD SCHOOL (*Evanston*)
 MASCOUTAH
 MASON CITY COM.
 MATTOON
 MAYWOOD (*Proviso Tp.*)
 MAZON TP.
 MEDILL HIGH SCHOOL (*Chicago*)
 MENDON TP.
 MENDOTA TP.
 METAMORA TP.
 METROPOLIS
 MILFORD TP.
 MILLEDGEVILLE COM.
 MINIER COM.
 MINONK COM.
 MISS SPAID'S SCHOOL (*Chicago*)
 MOLINE
 MOMENCE COM.
 MONMOUTH
 MONTICELLO COM.
 MONTICELLO SEMINARY (*Godfrey*)
 MOORE TP. HIGH SCHOOL (*Farmer City*)
 MOOSEHEART (*Educational Inst.*)
 MORGAN PARK HIGH SCHOOL (*Chicago*)
 MORGAN PARK MILITARY ACADEMY (*Chicago*)
 MORRIS
 MORRISON
 MORTON TP.
 MOUND CITY
 COMMUNITY HIGH SCHOOL
 LOVEJOY COM. HIGH SCHOOL
 MOUNDS TP.
 MT. CARMEL
 MT. CARROLL
 COMMUNITY HIGH SCHOOL
 FRANCES SHIMER SCHOOL
 MT. MORRIS
 COMMUNITY HIGH SCHOOL
 MT. MORRIS COLLEGE ACADEMY
 MT. OLIVE COM.
 MT. PULASKI TP.
 MT. STERLING
 MT. VERNON TP.
 MOWEAQUA
 MUNCIE (*Oakwood Tp.*)
 MURPHYSBORO TP.
 NAPERVILLE
 HIGH SCHOOL
 NORTHWESTERN COLLEGE ACADEMY
 NASHVILLE
 NAUVOO
 ST. MARY'S ACADEMY
 ST. PETER AND ST. PAUL ACADEMY
 NAZARETH ACADEMY (*La Grange*)
 NEOGA TP.
 NEW BERLIN TP.
 NEWMAN TP.
 NEWTON COM.
 NEW TRIER TP. HIGH SCHOOL (*Kenilworth*)
 NIXON TP. HIGH SCHOOL (*Weldon*)
 NOKOMIS TP.
 NORMAL
 COMMUNITY HIGH SCHOOL
 UNIVERSITY HIGH SCHOOL
 NORTH PARK COLLEGE ACADEMY (*Chicago*)
 NORTH-WESTERN COLLEGE ACADEMY (*Naperville*)
 NOTRE DAME CONVENT (*Bourbonnais*)
 OAKLAND TP.
 OAK PARK (*Oak Park and River Forest Tp*)
 OAKWOOD TP HIGH SCHOOL (*Muncie*)
 OBLONG TP.
 ODELL
 HIGH SCHOOL
 ST. PAUL'S HIGH SCHOOL
 O'FALLON TP.
 OLIVET (*Olivet Academy*)
 OLNEY TP.
 ONARGA
 TP. HIGH SCHOOL
 ONARGA MILITARY SCHOOL
 OREGON
 ORION COM.
 OTTAWA
 TP. HIGH SCHOOL
 ST. XAVIER'S ACADEMY
 OUR LADY OF PROVIDENCE ACADEMY (*Chicago*)
 PALATINE TP.
 PALESTINE TP.
 PANA TP.
 PARIS
 PARKER HIGH SCHOOL (*Chicago*)
 PAWNEE TP.
 PAW PAW
 PAXTON COM.
 PAYSON (*Seymour Com.*)
 PEACATONICA
 PEKIN COM.
 PENFIELD (*St. Lawrence Academy*)
 PEORIA
 ACADEMY OF OUR LADY
 AVERYVILLE HIGH SCHOOL
 BRADLEY POLYTECHNIC INST.
 MANUAL TRAINING HIGH SCHOOL
 PEORIA HIGH SCHOOL
 SPALDING INSTITUTE
 PETOTONE
 PETERSBURG
 PHILLIPS HIGH SCHOOL (*Chicago*)
 PINCNEVILLE COM.
 PIPER CITY
 PITTSFIELD
 PLAINFIELD
 PLANO COM.
 PLEASANT PLAINS TP.
 POLO
 PONTIAC TP.
 POTOMAC TP.
 PRINCETON TP. HIGH SCHOOL
 BUREAU TP. HIGH SCHOOL
 PRINCEVILLE
 PROPHETSTOWN
 PROVIDENCE HIGH SCHOOL (*Joliet*)
 PROVISO TP. HIGH SCHOOL (*Maywood*)
 PULLMAN FREE MANUAL TR HIGH SCHOOL (*Chicago*)
 QUINCY
 HIGH SCHOOL
 QUINCY COLLEGE ACADEMY
 ST. MARY'S ACADEMY
 RANKIN TP.
 RANTOUL
 TP. HIGH SCHOOL
 DONOVAN MEMORIAL
 RAYMOND COM
 RIDGEFARM
 RIDGWAY COM.
 RIVERSIDE (*Riverside-Brookfield Tp.*)
 ROANOKE TP.
 ROBERTS TP.
 ROBINSON TP
 ROCHELLE COM.

- ROCK FALLS TP.
 ROCKFORD
 HIGH SCHOOL
 ST. THOMAS HIGH SCHOOL
 ROCK ISLAND
 HIGH SCHOOL
 AUGUSTANA COLLEGE ACADEMY
 ST. JOSEPH'S ACADEMY
 VILLA DE CHANTAL
 ROCKTON (*Hononegah Com.*)
 ROLLO COM.
 ROSEVILLE TP.
 ROSS TP. HIGH SCHOOL (*Alvin*)
 ROSSVILLE
 ROUTT COLLEGE ACADEMY (*Jacksonville*)
 RUSHVILLE
 ST. ALBANS HIGH SCHOOL (*Sycamore*)
 ST. ANNE COM.
 ST. CHARLES COM.
 ST. CYRIL COLLEGE ACADEMY (*Chicago*)
 ST. ELMO
 ST. FRANCIS ACADEMY (*Joliet*)
 ST. FRANCIS XAVIER ACADEMY (*Chicago*)
 ST. IGNATIUS ACADEMY (*Chicago*)
 ST. JOSEPH'S ACADEMY (*Bloomington*)
 ST. JOSEPH'S ACADEMY (*Rock Island*)
 ST. JOSEPH COM.
 ST. JOSEPH HIGH SCHOOL (*Cairo*)
 ST. JOSEPH'S SEMINARY (*Kankakee*)
 ST. LAWRENCE ACADEMY (*Penfield*)
 ST. LOUIS ACADEMY (*Chicago*)
 ST. MARY'S ACADEMY (*Nauvoo*)
 ST. MARY'S ACADEMY (*Quincy*)
 ST. MARY'S HIGH SCHOOL (*Bloomington*)
 ST. MARY'S HIGH SCHOOL (*Champaign*)
 ST. MARY'S HIGH SCHOOL (*Chicago*)
 ST. MARY'S HIGH SCHOOL (*Sterling*)
 ST. PAUL'S HIGH SCHOOL (*Odell*)
 ST. PETER AND ST. PAUL'S ACADEMY (*Nauvoo*)
 ST. PROCOPIUS COLLEGE ACADEMY (*Lisle*)
 ST. RITA COLLEGE ACADEMY (*Chicago*)
 ST. STANISLAUS COLLEGE ACADEMY (*Chicago*)
 ST. TERESA'S ACADEMY (*East St. Louis*)
 ST. THOMAS THE APOSTLE *Chicago*
 ST. THOMAS HIGH SCHOOL (*Rockford*)
 ST. XAVIER'S ACADEMY (*Ottawa*)
 ST. VICTOR COLLEGE ACADEMY (*Bourbonnais*)
 SACRED HEART ACADEMY (*Springfield*)
 SALEM
 SANDOVAL COM.
 SANDWICH TP.
 SAUNEMIN TP.
 SAVANNA TP.
 SCHURZ HIGH SCHOOL (*Chicago*)
 SENN HIGH SCHOOL (*Chicago*)
 SESSER (*Goode-Barren Tp.*)
 SEYMOUR COM. (*Payson*)
 SHABONA COM.
 SHANNON COM.
 SHEFFIELD COM.
 SHELBYVILLE
 SHELDON COM.
 SIDELL TP.
 S. I. N. U. H. S. (*Carbondale*)
 SOUTH WILMINGTON TP. (*Gardner*)
 SPALDING INSTITUTE (*Peoria*)
 SPARLAND COM.
 SPARTA TP.
 SPRINGFIELD
 HIGH SCHOOL
 SACRED HEART ACADEMY
 URSULINE ACADEMY
 SPRING VALLEY (*Hall Tp*)
 STANFORD COM.
 STARRETT SCHOOL FOR GIRLS (*Chicago*)
 STAUNTON COM.
 STERLING
 TP. HIGH SCHOOL
 ST. MARY'S HIGH SCHOOL
 STOCKLAND TP.
 STOCKTON COM.
 STONINGTON COM.
- STREATOR TP.
 STRONGHURST
 SULLIVAN TP.
 SUMNER HIGH SCHOOL (*Cairo*)
 SYCAMORE
 COMMUNITY HIGH SCHOOL
 ST. ALBAN'S HIGH SCHOOL
 TALLULA COM.
 TAMPICO TP.
 TAYLORVILLE TP.
 THEBES TP.
 THORNTON TP. HIGH SCHOOL (*Harvey*)
 TILDEN TECH. HIGH SCHOOL (*Chicago*)
 TISKILWA (*Joint Tp*)
 TOLEDO
 TOLUCA COM.
 TONICA COM.
 TOULON TP.
 TRENTON COM.
 TULEY HIGH SCHOOL (*Chicago*)
 TUSCOLA COM.
 UNITED TP. HIGH SCHOOL (*East Moline*)
 UNIVERSITY HIGH SCHOOL (*Chicago*)
 UNIVERSITY HIGH SCHOOL (*Normal*)
 UNIVERSITY SCHOOL FOR GIRLS (*Chicago*)
 URBANA
 URSULINE ACADEMY (*Alton*)
 URSULINE ACADEMY (*Springfield*)
 VANDALIA
 VENICE
 VERMILION GROVE (*Vermilion Grove Academy*)
 VERMONT COM.
 VERSAILLES
 VIENNA TP.
 VILLA DE CHANTAL (*Rock Island*)
 VILLA GROVE TP.
 VIRDEN
 VIRGINIA COM.
 VISITATION HIGH SCHOOL (*Chicago*)
 WALLER HIGH SCHOOL (*Chicago*)
 WALNUT COM.
 WALNUT GROVE TP. (*Altona*)
 WARREN COM.
 WARREN TP. HIGH SCHOOL (*Gurnee*)
 WARSAW
 WASHBURN TP.
 WASHINGTON COM.
 WATERLOO
 WATERMAN COM.
 WATSEKA COM.
 WAUCONDA TP.
 WAUKEGAN TP.
 WAVERLY TP.
 WAYNESVILLE TP.
 WELDON (*Nixon Tp*)
 WELLINGTON TP.
 WENONA
 WEST CHICAGO
 WESTERN ILL. NORMAL ACADEMY (*Macomb*)
 WESTERN MILITARY ACADEMY (*Alton*)
 WESTFIELD TP.
 WEST FRANKFORT COM.
 WEST HIGH SCHOOL (*Aurora*)
 WESTVILLE TP.
 WETHERSFIELD TP. HIGH SCHOOL (*Kewanee*)
 WHEATON
 HIGH SCHOOL
 WHEATON ACADEMY
 WHITE HALL
 WILLIAMSVILLE TP.
 WILLMETTE (*Maria Immaculate Academy*)
 WINDSOR
 WOODHULL TP.
 WOOD RIVER (*East Alton-Wood River Com.*)
 WOODSTOCK COM.
 WYANET COM.
 YATES CITY TP.
 Y. M. C. A. DAY SCHOOL (*Chicago*)
 Y. M. C. A. EVENING PREP. SCHOOL (*Chicago*)
 YORK COM. HIGH SCHOOL (*Elmhurst*)
 YORKVILLE

DESCRIPTION OF SUBJECTS ACCEPTED FOR ADMISSION

The amount of work in each of the foregoing subjects which corresponds to the minimum number of credits assigned is shown by the description of subjects below.

1. **AGRICULTURE.**—Courses in agriculture should be arranged for periods of not less than 36 weeks. Such a course may be accepted for one unit of entrance credit, and two such courses may be accepted for two units, provided the work covered by each course is so closely related in its parts as to constitute one of the generally accepted divisions now recognized in agricultural work. At least one-half of the time must be devoted to laboratory work, and note-books should be presented.

2. **ALGEBRA, *One and one-half units.***—Fundamental operations, factoring, fractions, simple equations, extraction of roots, radicals, quadratic equations, and equations reducible to quadratic form, surds, theory of exponents, proportion and variation, logarithms, and the analysis and solution of problems involving these principles.

ALGEBRA, *One unit.*—Fundamental operations, factoring, fractions, simple equations, extraction of roots, radicals of second order, fractional exponents, variation and proportion, quadratics, including completing the square and simultaneous equations having one quadratic and one linear equation and quadratic systems of simple form. See High School Manual for detailed outline.

3. **ASTRONOMY.**—In addition to a knowledge of the descriptive matter in a good text-book, there must be some practical familiarity with the geography of the heavens, with the various celestial motions, and with the positions of the conspicuous naked-eye heavenly bodies.

4. **BOOKKEEPING.**—The unit of work in bookkeeping for college entrance should aim to give a working knowledge of double entry bookkeeping, consisting of the fundamental principles, with particular emphasis on the study of business transactions and their interpretation in the ledger accounts, through the media known as books of original entry. The student should be drilled in the making of simple trading and profit and loss statements and of balance sheets, and should be able to explain the meanings of the items involved in both. The work must be done under the immediate supervision of a teacher, and the student should devote at least ten periods of not less than forty minutes full time in class each week for one academic year.

5. **BOTANY.**—A familiar acquaintance with the general structure of plants and of the principal organs and their functions, derived to a considerable extent from a study of the objects, is required; also a general knowledge of the main groups of plants; and the ability to classify and name the more common species. Laboratory note-books and herbarium collections must be presented.

6. **BUSINESS LAW.**—The amount of business law which is accepted is indicated by the ground covered in any of the ordinary text-books on the subject, such as Spencer's Elements of Commercial Law, Burdick's Business Law, and White's Elements of Commercial Law.

7. **CHEMISTRY.**—The instruction must include both text-book and laboratory work. The work must be so arranged that at least one-half of the time shall be given to the laboratory. The course as given in the best high schools in one year will satisfy the requirement of the University for the one unit for admission. The laboratory notes, bearing the teacher's indorsement, must be presented as evidence of the actual laboratory work accomplished. Candidates for admission may be required to demonstrate their ability by laboratory tests.

8. **CIVICS.**—The high-school course for one term should deal mainly with American government (local, state, and national), political institutions, and citizenship. Such text-books as Ashley, Forman, and Garner indicate the field required. A full year's high-school course may give attention to social problems.

9. **COMMERCIAL ARITHMETIC.**—The amount of work to be covered is represented by that found in any of the ordinary first-class texts on the subject, such as Smith's, Finney's, Bookman's, Rowe's "New Essentials," Thurston's and Baker's. Instruction should constantly attempt to emphasize the relation of arithmetic to business customs and procedures.

10. **COMMERCIAL GEOGRAPHY.**—The amount and character of the work accepted in this subject is indicated by the scope of such books as Redway's Commercial Geography, Adam's smaller book on the same subject, the text-books of Brigham, or Robinson, or Trotter's work.

11. **DOMESTIC SCIENCE.**—(a) An equivalent of 180 hours of prepared work with at least two recitation periods a week in foods. (b) An equivalent of 180 hours of prepared work with at least one recitation period a week in clothing. (c) An equivalent of 180 hours

of prepared work with at least two recitation periods a week on the home. (Two periods of laboratory work are considered equivalent to one period of prepared work.) Either (a) or (b) or (c) will be accepted for one unit; or one-half unit may be accepted in each of these divisions. Where two years are offered, it is desirable that one semester in the second year be devoted to the home. (c) may be accepted as a third unit, provided it is given substantially as outlined in the Syllabus of Domestic Science and Domestic Art published by the University and that (a) and (b) are made prerequisite for it. The work is to be done by trained teachers with individual equipment, as determined by inspection.

12. DRAWING.—Freehand or mechanical drawing, or both. Drawing-books or plates must be submitted. The number of credits allowed depends on the quantity and quality of the work submitted.

13. ECONOMICS.—The principles of economics, with economic history, as given in any good elementary text-book.

14. ENGLISH COMPOSITION AND RHETORIC.—On entering the University a student is expected to have a working knowledge of spelling, punctuation, grammar, sentence structure, and paragraphing, and to be able to write with considerable accuracy and effectiveness. He is expected to know the application of grammatical terms as used in a good text-book and to be able to state the essential principles of grammar and to explain the grammatical structure of any sentences encountered in his reading. He is supposed to know the elementary principles of rhetoric, the technical terms used in the subject, and the application of the principles to ordinary composition. The degree of proficiency expected in grammar, rhetoric, and composition can hardly be acquired in less than one period each week for four years. During at least half of this time the student should have written compositions under supervision and have received individual criticism of his written work. A review of grammar and some supervised composition in the fourth preparatory year are strongly advised. The elementary course in composition required of all students in the University is based on the assumption that each student has at least the degree of proficiency suggested in the foregoing paragraph.

On entering the University, students are registered tentatively in the first course in composition, Rhetoric I, and are tested in their ability to write. Those who do not show a degree of proficiency suggested in the foregoing paragraph are excluded from Rhetoric I and assigned to a preparatory course.

15. ENGLISH LITERATURE.—(a) Each candidate is expected to have read certain assigned literary masterpieces, and will be subjected to such an examination as will determine whether or not he has done so. With a view to a large freedom of choice, the books provided for reading are arranged in the following groups from which at least ten units are to be selected, two from each group. Each unit is here set off by semicolons.

I. The Old Testament, comprising at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Iliad, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI; the Odyssey, with the omission, if desired, of Books I, II, III, IV, V, XV, XVI, XVII; Vergil's Aeneid. The Iliad, the Odyssey, and the Aeneid should be read in English translations of recognized literary excellence.

For any unit of this group a unit from any other group may be substituted.

II. Shakespeare's *Merchant of Venice*; *Midsummer Night's Dream*; *As You Like It*; *Twelfth Night*; *Henry the Fifth*; *Julius Caesar*.

III. Defoe's *Robinson Crusoe*, Part I; Goldsmith's *Vicar of Wakefield*; Scott's *Ivanhoe* or *Quentin Durward*; Hawthorne's *House of Seven Gables*; Dickens' *David Copperfield* or *Tale of Two Cities*; Thackeray's *Henry Esmond*; Mrs. Gaskell's *Cranford*; George Eliot's *Silas Marner*; Stevenson's *Treasure Island*.

IV. Bunyan's *Pilgrim's Progress*, Part I; Sir Roger de Coverley Papers in the *Spectator*; Franklin's *Autobiography* (condensed); Irving's *Sketch Book*; Macaulay's *Essays on Lord Clive and Warren Hastings*; Thackeray's *English Humorists*; selections from Lincoln, including the two Inaugurals, the Speeches in Independence Hall and at Gettysburg, the Last Public Address, and the Letter to Horace Greeley, with a brief memoir or estimate; Parkman's *Oregon Trail*; either Thoreau's *Walden* or selection from Huxley's *Lay Sermons*; Stevenson's *Inland Voyage and Travels with a Donkey*; the *Atlantic's* Prose and Poetry.

V. Dryden's *Golden Treasury* (First Series), Books II and III, with especial attention to *Dryden*, Collins, Gray, Cowper, Burns; Gray's *Elegy in a Country Churchyard* and Goldsmith's *Deserted Village*; Coleridge's *Ancient Mariner* and Lowell's *Vision of Sir*

Launfal; Scott's *Lady of the Lake*; Bryon's *Childe Harold*, Canto IV, and *Prisoner of Chillon*; Palgrave's *Golden Treasury* (First Series) Book IV, with especial attention to Wordsworth, Keats, and Shelley; Poe's *Raven*, Longfellow's *Courtship of Miles Standish*, Whittier's *Snow Bound*; Macaulay's *Lays of Ancient Rome* and Arnold's *Sohrab and Rustum*; Tennyson's *Gareth and Lynette*, *Lancelot and Elaine*, *The Passing of Arthur*; Browning's *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *Incident of the French Camp*, *Hervé Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*.

(b) In addition to the foregoing the candidate will be required to present a careful, systematic study, with supplementary reading, of the history of either English or American literature.

(c) The candidate will be examined on the form and substance of certain books in addition to those named under (a). For 1922 the books will be selected from the list below. The examination will be of such a character as to require a minute study of each of the works named in order to pass it successfully. The list is:

Shakespeare's *Macbeth*; Milton's *Comus*, *L'Allegro*, and *Il Penseroso*; Burke's *Speech on Conciliation with America*, or *Washington's Farewell Address* and *Webster's First Bunker Hill Oration*; Macaulay's *Life of Johnson*, or *Carlyle's Essay on Burns*; a volume of modern short stories and a volume of modern essays.

The work outlined in (a), (b), and (c) counts for two units.

(d) The three units in English composition, rhetoric, and literature, as described above are required for all students. A fourth unit may be obtained for one full year's additional work in the study of English and American authors.

16. FRENCH, *First year's work*.—Elementary grammar, with the more common irregular verbs. Careful training in pronunciation. About 100 pages of easy prose should be read. *Second year's work*.—Advanced grammar, with all the irregular verbs. Elementary composition and conversation. About 300 pages of modern French should be read. *Third year's work*.—Intermediate composition and conversation. About 500 pages of standard authors should be read, including a few classics. *Fourth year's work*.—Advanced composition and conversation. Standard modern and classical authors should be read and studied to the extent of 700 pages.

17. GENERAL SCIENCE.—The subject matter must be of a character such as to enable the student to interpret his obvious environment, both natural and mechanical, in terms of the fundamental principles of science involved. The work necessary to earn a full unit of credit must be conducted as a laboratory science with double periods for unprepared work.

18. GEOLOGY.—For one unit, the equivalent of a year's work as conducted in first-class high schools. Such a course includes the thoro study of one of the more abbreviated modern text-books of geology, a generous amount of laboratory work on specimens, maps, models, etc., and wherever possible, several field trips. When available, laboratory notebooks should be presented.

19. GEOMETRY.—(a) *Plane Geometry*. Special emphasis is placed on the ability to use propositions in the solution of original numerical exercises and of supplementary theorems.

(b) *Solid and Spherical Geometry*. Applications to the solution of original exercises are emphasized.

20. GERMAN.—Pupils should be trained to understand spoken German and to reproduce freely in writing and orally what has been read. A thoro knowledge of grammar is expected. No attempt is made in what follows to give more than a general outline for the work of successive years. *First year's work*.—At the end of the year pupils should be able to read intelligently and with accurate pronunciation simple German prose, to translate it into idiomatic English, and to answer in German easy questions on the passage read. A few short poems may be memorized. Elementary grammar should be mastered up to the subjunctive. Easy prose composition rather than the writing of forms will be the test of the grammatical work in entrance examinations. *Second year's work*.—Only modern writers should be read, preference being given to material which has a distinctly German atmosphere and which lends itself to conversational treatment in the class room. The recitations should afford constant oral and written drill on the elementary grammar of the previous year. The beginner's book should be completed, but more importance is attached to accuracy and facility in simple modes of expression than to a theoretical knowledge of

advanced syntax. *Third year's work.*—Most of the time should still be devoted to modern prose. There should be some work in advanced prose composition—based on German models—and the recitations should continue to afford abundant oral practise. Pupils ought by this time to understand spoken German. *Fourth year's work.*—At the end of this year a pupil should be able to read at sight any prose or verse of moderate difficulty, and be able to express himself orally or in writing with readiness and accuracy. Work in composition should take the form of free reproduction of portions of the text studied rather than translation of English selections. The reading should be divided about equally between modern and classical authors.

21. GREEK, *First year's work.*—The exercises in any of the beginning books, and one book of the *Anabasis* or its equivalent. *Second year's work.*—Two additional books of the *Anabasis* and three of Homer, or their equivalents, together with an amount of Greek prose composition equal to one exercise a week for one year. *Third year's work.*—Three additional books of the *Iliad*, three of the *Odyssey*, and Books VI, VII, VIII of Herodotus, or an equivalent from other authors.

22. HISTORY.—One, two, or three units may be presented, to be chosen from the following list: Ancient history to 800 A. D., one unit; medieval and modern history, one unit; English history, one-half or one unit; American history, one-half or one unit.

Examinations for entrance will be given in all these subjects. The examination for each unit is intended to cover one full year of high-school work.

23. LATIN, *First year's work.*—Such knowledge of inflections and syntax as is given in any good preparatory Latin book, together with the ability to read simple fables and stories. *Second year's work.*—Four books of Caesar's *Galic War*, or its equivalent in Latin of equal difficulty; the ability to write simple Latin based on the text. *Third year's work.*—Six orations of Cicero; the ability to write simple Latin based on the text; the simpler historical references and the fundamental facts of Latin syntax. *Fourth year's work.*—Six books of Vergil's *Aeneid*, with history and mythology; the scansion of hexameter verse.

24. MANUAL TRAINING.—The requirement for one unit is the equivalent of 361 forty-minute periods in manual training following the syllabus prepared by the manual-training section of the High School Conference.

25. MUSIC.—Credit in harmony, history of music, and musical appreciation, one unit or two units, is acceptable by certificate, from schools accredited therefor, for admission to all departments of the University. To be acceptable, courses in these branches must conform to the schedule adopted by the University, as follows:

Courses in Harmony, History of Music, and Musical Appreciation will be accredited on the same basis as other High School courses, namely: Five hours of recitation per week and five hours of preparation per week for 36 weeks will receive one unit of credits. Five hours of recitation per week without preparation will receive one-half unit. Written work will be required in all courses, but pre-eminently in Harmony.

(a) HARMONY, *First year's work.*—Elements of musical notation; Construction of major and minor scales; keys; signatures; intervals, general and specific; key relationships; consonances and dissonances; triads, primary and secondary; inversions of triads; chord progressions; simple melodies harmonized with tonic, dominant, and sub-dominant harmonies.

HARMONY, *Second year's work.*—Review of triads; seventh chords, primary and secondary; harmonization of simple melodies with triads and seventh chords; harmonic analysis; original work.

(b) *History of Music:* A text-book course, with recitations and written work, touching the beginning of music, and including a fairly comprehensive study of the development of music since A. D. 1600 and acquaintance with the lives and productions of the greatest composers and performers. One year.

(c) Music Appreciation based upon the standard choruses and instrumental selections from the works of the great composers of each epoch, with instructions in elementary theory, sight-singing and ear-training. One year.

(d) A composite course may be offered including harmony, history of music, and musical appreciation, any two of these subjects, and subject to the same regulations, with the added specification that in such a course at least one recitation per week in harmony with written preparation, shall be included. Two years.

Applied music to the extent of one unit may be accepted with the provision that one unit in theoretical music is offered at the same time and that these courses shall have been preceded by two years of high-school music.

For admission to the School of Music only, two units in "practical" music, i. e., piano, voice, or violin, are required. Students obtain credits in the "practical" music by examination. In the examination for two units in *piano*, students are required to play the following or the equivalent: Simple scales and arpeggios at fairly rapid tempo; scales in double octaves at moderate speed; Kunz Canons; Czerny, Op. 229; an easy sonata of Haydn, Mozart, or Beethoven. In the examination for two units in *voice*, students are required to sing the following or the equivalent: Simple scales and arpeggios; studies selected from Concone, Sieber, Panofka, and Panseron; songs selected from Schubert, Schumann, and modern composers. In the examination from units in *violin*, students are required to play the following or the equivalent: Gruenberg, Foundation Exercises, numbers 81 to 117; Kayser, Opus 20, Book 2, Wohlfarth, Opus 74, Book 2; Allen, Polonaise, Opus 7, and Seitz, Concertino, No. 1, D major.

26. PHYSICS.—One year's high-school work covering the elements of physical science as presented in the best of the current high-school text-books of physics. Laboratory practise in elementary quantitative experiments must accompany the text-book work. The candidate's laboratory note-book will be considered as part of the examination.

27. PHYSICAL GEOGRAPHY.—One year's work, fully covering such a text-book as those of R. S. Tarr and W. M. Davis. It is assumed that the recitations have been accompanied by several hours of laboratory work per week on various types of maps, models, etc., as well as by field excursions. Laboratory note-books must be presented for inspection.

28. PHYSIOLOGY.—For one-half unit: The anatomy, histology, and physiology of the human body and the essentials of hygiene, taught with the aid of charts and models to the extent shown in Martin's Human Body (Briefer Course). For more than one-half unit, the course must include practical laboratory work.

29. SHORTHAND AND TYPEWRITING.—These subjects must be taken together; no credit is given for either one by itself. For *one unit*, the time requirement is two periods daily of not less than forty minutes each for one year of thirty-six weeks, and the standard of attainment is 75 words a minute in taking dictation and 25 words a minute in the transcription on the machine of such dictation. For *two units*, the time requirement is two periods daily of not less than forty minutes each for two years of thirty-six weeks, and the standard of attainment is 100 words a minute in taking dictation and 35 words a minute in the transcription on the machine of such dictation. Accuracy in spelling, punctuation, capitalization, and paragraphing should be emphasized; and attention should be given to the care of the machine, methods of copying, manifolding, etc.

30. SPANISH, *First year's work*.—Elementary grammar, including thoro drill in the irregular verbs; careful training in pronunciation, and translation of simple Spanish when spoken; reading of about 100 pages of easy prose; simple composition and dictation. *Second year's work*.—In addition to the foregoing, about 300 pages of modern prose; elementary syntax; dictation, composition, and translation of spoken Spanish continued.

31. TRIGONOMETRY.—The work should cover the field of plane trigonometry, as given in standard text-books, including the solution of right and oblique triangles. Special emphasis is placed upon the solution of practical problems, trigonometric identities, and trigonometric equations.

32. ZOOLOGY.—The instruction must include laboratory work equivalent to four periods a week for a half-year, besides the time required for text-book and recitation work. Note-books and drawings must be presented to show the character of the work done and the types of animals studied. The drawings are to be made from the objects themselves, not copied from illustrations, and the notes are to be a record of the student's own observations of the animals examined. The amount of equipment and the character of the surroundings must determine the nature of the work done and the kind of animals studied; but in any case the student should have at least a fairly accurate knowledge of the external anatomy of each of eight or ten animals distributed among the several larger divisions of the animal kingdom, and should know something of their life histories and of their more obvious adaptations to environment. It is recommended that special attention be given to such facts as can be gained from a careful study of the living animal. The names of the largest divisions of the animal kingdom, with their most important distinguishing characteristics, and with illustrative examples selected, when practicable, from familiar forms, ought also to be known.

GRADUATION—FIRST DEGREES

THE BACHELOR'S DEGREE

A bachelor's degree is conferred on any student who satisfactorily completes the curriculum described under one of the various colleges and schools, doing either the first three years, or the last year, of his work in residence at the University.

Residence Requirement

If the student is in residence at the University for one year only, that year's work must be taken in the college from which the degree is expected. No person will be recommended for a degree by the faculty of any college in the University unless he has been a regularly registered student in that college for at least one year, during which time he shall complete not less than thirty semester hours in course.

Number of Hours Required

A candidate for a bachelor's degree must pass in the subjects marked *prescribed* in his chosen curriculum, and must conform to the directions given in connection with that curriculum in regard to electives. In the College of Liberal Arts and Sciences (for the A. B. degree), the College of Commerce and Business Administration, and the College of Agriculture, credit for 130 hours is required for graduation. In the curriculums in chemistry and chemical engineering in the College of Liberal Arts and Sciences, in the College of Engineering, in the College of Law, in the Library School, and in the School of Music, the candidate must complete the curriculum as laid down.

In order to receive his bachelor's degree a student must have secured grades of not less than C in subjects aggregating at least three-fourths of the work, prescribed or elective, required for such degree.

Military Science and Physical Education

The number of hours required includes, for men, four in military drill and tactics and two in physical education; and for women, one in hygiene and four in physical education. Men excused from the military requirements, and women who do not take the course in physical education, must elect instead an equivalent number of hours in other subjects.

Thesis

In all cases in which a thesis is required¹, the subject must be announced not later than the first Monday in November, and the completed thesis must be submitted to the dean of the proper college by June 1. The work must be done under the direction of the professor in whose department the subject belongs, and must be in the line of the curriculum for which a degree is expected. The thesis must be presented on regulation paper; it is deposited in the library of the University.

Degrees Conferred Four Times a Year

The annual commencement exercises are held in June, but degrees may be conferred at other times as follows:

Students who complete their work at the end of the first semester may, on application, be recommended for their degree at the February meeting of the Senate.

Students who are to complete their work for the bachelor's or the master's degree in the Summer Session, and who register in advance of the June meeting of the Senate for specified courses in that session which complete the requirements in their cases, may be recommended at the June meeting, subject to the successful completion of the specified courses in the Summer Session.

Students who complete their work at the end of the Summer Session may, on application, be recommended at the October meeting of the Senate.

¹See requirements for graduation in the various colleges

All graduates are ranked as of the class of the calendar year in which their degrees were conferred, i. e., students who receive their diplomas in August or October, with the class of the preceeding June, and those who receive their diplomas in February, with the class of the following June.

Second Bachelor's Degree

A student who has already received one bachelor's degree may receive a second bachelor's degree, provided that all specified requirements for both degrees be fully met, and provided also that the curriculum offered for the second degree include at least 30 semester hours not counted for the first degree.

LIST OF FIRST DEGREES

1. The degree of BACHELOR OF ARTS is conferred on those who complete a curriculum in literature and arts, or certain curriculums in science, in the College of Liberal Arts and Sciences.

2. The degree of BACHELOR OF SCIENCE is conferred on those who complete a curriculum in the College of Engineering, in the College of Commerce and Business Administration, in the College of Agriculture, or in the College of Education. This degree is conferred on a graduate of the College of Liberal Arts and Sciences who completes a curriculum in chemistry or chemical engineering, or a student in the College of Education who completes the requirements for graduation as stated on page 173, and may be conferred on graduates from other curriculums in this College on recommendation of the faculty. It is conferred on students who offer two years of acceptable college work for admission to the College of Medicine and complete the two years of scientific work in medical subjects and subjects preparatory to medicine which are offered in the Junior College; on the completion of the two additional years in clinical work offered in the Senior College, such students may receive the degree of Doctor of Medicine. It may also be conferred on students who complete the combined curriculums in science and dentistry which includes two years in a recognized college of Liberal Arts and Sciences embracing certain prescribed subjects and the first two years in the College of Dentistry of the University.

3. The degree of BACHELOR OF LAWS is conferred on those who complete the curriculum in the College of Law.

4. The degree of DOCTOR OF LAW is conferred on those who complete the curriculum in the College of Law, satisfying certain special requirements additional to those for the degree of Bachelor of Laws.

5. The degree of BACHELOR OF LIBRARY SCIENCE is conferred on those who complete the curriculum in the Library School.

6. The degree of BACHELOR OF MUSIC is conferred on those who complete one of the curriculums in the School of Music.

7. The degree of DOCTOR OF MEDICINE is conferred on those who complete the curriculum in the College of Medicine.

8. The degree of DOCTOR OF DENTAL SURGERY is conferred on those who complete the curriculum in the College of Dentistry.

9, 10. The degree of GRADUATE IN PHARMACY, or of PHARMACEUTICAL CHEMIST, is conferred on those who complete the shorter and the longer curriculums, respectively, in the School of Pharmacy.

HONORS AND COMPETITIONS

UNIVERSITY HONORS

The University gives public official recognition to such students as attain a high grade of scholarship by the following system of honors.

Preliminary Honors

Preliminary Honors are assigned at the completion of the sophomore year on the basis of the average of the grades received during the freshmen and sophomore years in all studies except military and physical training. To be eligible for preliminary honors a student must have received grades of "A" in at least fifty per cent. and must not have received grades of "C" or lower in more than fifteen per cent. of the work in which honor is sought. Preliminary Honors afford an opportunity for sophomores to secure recognition for high scholarship without waiting for graduation.

Final and Special Honors

(Candidates for the Degrees of B.S., B.Mus., LL.B., and B.L.S.)

Final Honors are assigned on graduation on the basis of the average grades received during the junior and senior years. To be eligible for final honors a student must have received grades of "A" in at least fifty per cent. and must not have received grades of "C" or lower in more than fifteen per cent. of the work in which honors is sought. Final honors are designed especially to favor students whose preparatory education has been so imperfect as to prevent them from receiving preliminary honors.

Special Honors are awarded at the close of the senior year. No student may receive such honors who has not completed, before the beginning of his senior year, at least twenty hours' work in the subject, or group of allied subjects, in which the honors are proposed; he must complete thirty hours' work in the same subject, or group of allied subjects, by the end of his senior year, must do such other work as the professor in charge may assign, and must prepare an acceptable thesis. No student is eligible for special honors who, during the senior year, has received a grade of less than C in any subject. Special honors are planned for especially brilliant students who prefer to concentrate their efforts on a special course. A student may be a recipient of both final and special honors.

The Degree of Bachelor of Arts with Honors

The Faculty of the College of Liberal Arts and Sciences has been authorized to recommend candidates for the degree of Bachelor of Arts *with honors* in a particular subject. Such recommendations will be made under the following conditions:

1. For the degree with *Honorable Mention* the student must have received the grade A in at least one-half his work, offered in courses acceptable for his major subject, and no grade below C in the work thus offered. He must also have attained a grade not lower than B in at least three-fourths of all the other work which he presents for graduation, exclusive of courses taken during his freshman year.

2. For the degree with *High Honors*, constituting a recognition of work of exceptional merit, the student must have received the grade A in at least three-fourths of his work offered in courses acceptable for major subject, and no grade below B in the work thus offered. He must also have attained a grade not lower than B in at least three-fourths of all the other work which he presents for graduation, exclusive of courses taken during his freshman year. He must not later than five weeks before the end of the session in which he expects to complete the work for his degree be recommended by the department in which his major subject is chosen, and either present an acceptable thesis in his major subject or pass a satisfactory examination based upon a course of study approved by the department in which he does his major work, and pursued under the direction of an instructor selected by the student with the consent of the department.

3. The thesis or course of study in the department in which major work is done shall carry credit for not less than four semester hours, irrespective of whether the student eventually receives High Honors or not, and the instructor in charge shall report to the Registrar a grade for the course at the end of each semester, based upon a test, either written or oral, of the student's progress.

4. These distinctions shall be noted upon the student's baccalaureate diploma and in the Commencement Program and Annual Register, and the winners shall receive special consideration in departmental recommendations for graduate scholarships and for professional positions.

Freshman Honors

(College of Liberal Arts and Sciences)

At the close of each year a list is prepared of those members of the freshman class in the College of Liberal Arts and Sciences who have made an especially good record in scholarship. The names of such students are announced at an assembly of the College; notice is also sent in each case to the parent or guardian, and to the principal of the high school of which the student is a graduate.

List of Honors

The names of the students who received honors under the foregoing regulations during the academic year 1920-21 are published in part VII of the Register.

DEBATING AND ORATORY

The University engages yearly in four intercollegiate debates, the teams for which are chosen in a series of competitive preliminaries to which all students are eligible.

THE I. M. I. DEBATING LEAGUE consists of the Universities of Illinois, Minnesota, and Iowa. It holds a debate at each university on the first Friday in December.

THE MIDWEST DEBATING LEAGUE consists of the Universities of Illinois, Michigan, and Wisconsin. It holds a debate at each university on the third Friday in March.

THE NORTHERN ORATORICAL LEAGUE, consisting of Northwestern University, and the state Universities of Illinois, Iowa, Michigan, Minnesota, and Wisconsin, holds an annual contest on the first Friday evening in May. The contests for 1922 will be held on May 5, at Urbana, Ill. The winner receives the Lowden testimonial of one hundred dollars, and the speaker awarded second place, fifty dollars. The Illinois representative is selected in competitive contests open to all undergraduates.

A FRESHMAN-SOPHOMORE DEBATE and an INTER-SOCIETY DECLAMATION CONTEST are held yearly.

THE THACHER HOWLAND GUILD MEMORIAL PRIZE

Friends and admirers of Thacher Howland Guild, instructor and associate in English, 1904-14, have endowed the Thacher Howland Guild Memorial Prize, an annual prize of \$25, to be given to the undergraduate student submitting the poem or one-act play which in the opinion of a committee appointed by the department of English shows the greatest originality and literary merit; provided that the award may be withheld in any year if no production deemed worthy of a prize is submitted. The name of the winner of this prize is printed in the commencement program.

ST. PATRICK'S DAY PRIZE

Division One of the Ancient Order of Hibernians offered in the spring of 1916 and again in 1917 a prize of \$50 for the best essay by an undergraduate or a graduate student of the University on a subject connected with Ancient Irish literature, history, or archeology. In the fall of 1917 the State Board of Illinois of the Ancient Order of Hibernians guaranteed that the prize would be offered annually. The essay, not less than 5,000 words in length, must be submitted one month before Commencement Day.

THE BRYAN PRIZE

In 1898 Mr. William Jennings Bryan gave to the University the sum of two hundred fifty dollars, from the interest on which a prize of twenty-five dollars is offered biennially for the best essay on a topic relating to the science of government. The contest is open to all

matriculated undergraduate students. The essays may not be less than three thousand nor more than six thousand words in length, and must be left at the President's office not later than the second Wednesday in May. The prize was offered for the first time in 1901. It is offered next in 1923. It is suggested that the essays be on some phase of modern colonial government.

ARCHITECTURE

The Francis J. Plym Fellowship in Architecture

By the generosity of Mr. Francis J. Plym, of Niles, Michigan, a graduate of the University of Illinois of the class of 1897, the Trustees have been enabled to establish a fellowship for the advanced study of architecture. The stipend attached to this fellowship is \$1,000, awarded annually by competition in Architectural Design. The holder of the fellowship is required to spend a year in study and travel abroad. For further information address the Department of Architecture.

The American Institute of Architects Medal

The American Institute of Architects offers annually a medal for award to the senior in the department of architecture whose development during the four year's course is the most consistent and best. In making the award the scholarship in all work is considered.

The Scarab Medal in Architecture

The Scarab Society of the department of architecture offers annually a bronze medal to be awarded during the second semester for the best solution of a problem in architectural design, the competition being limited to students in architecture.

THE PRIZE IN ARCHITECTURE of the American Academy in Rome is open for competition among qualified undergraduates and graduates of certain American architectural schools, including that of the University of Illinois. This prize grants three years of residence and travel abroad for the study of classic and renaissance architecture.

MILITARY CONTESTS AND PRIZES

The University Bronze Medals

Bronze medals typical of the University and its Military Department are awarded by the University to the members of the companies, troops and batteries which shall score the greatest number of points at the annual competitive drill, held at some time between May 15 and May 31. The members of the company troop and battery rifle teams making the highest score at gallery target practise are also awarded medals. The medals so awarded become the permanent property of the recipients.

The University Gold Medal

The Board of Trustees provides annually a gold medal which is to be awarded at the annual competitive drill held near the close of the year, to the best drilled student, whose property the medal becomes. Each student must have matriculated in the University and must have completed one semester's work in Military 1 with a grade of not less than B, and three semesters' work in Military 2 with a grade of not less than A; and he must have an average standing of not less than C in all of his other studies for the preceding semester, which standing shall be determined by the Registrar. The name of the winner is published in the Annual Register of the University for the following year. The award is made for excellence in the same details as in the Hazelton contest.

The Hazelton Prize Medal

Captain W. C. Hazelton provided in 1890 a medal, which is awarded, at a competitive drill held at some time between May 15 and May 31, to the best drilled student. Each competitor must have been in attendance at the University at least sixteen weeks of the current college year; must have had less than five unexcused absences from drill; and must present himself for competition in full uniform.

The award is made for excellence in:

1. Erectness of carriage, military appearance, and neatness.
2. Execution of the school of the soldier, without arms.
3. Manual of arms, with and without numbers.

The name of the successful competitor is published in the Annual Register of the University for the following year. He is given a certificate setting forth the fact, and may wear the medal until the fifteenth day of the May following, when he must return it for the next competition.

Cavalry Prize

To the best student in the basic Cavalry course, determined by competition in drill, is awarded a silver medal.

Infantry and Artillery Prize

To the Infantry Company and Artillery Battery which win the competition in the Infantry and Artillery respectively, is awarded a silver cup.

CHI OMEGA PRIZE IN SOCIOLOGY

The University of Illinois Chapter of Chi Omega offers annually a prize of twenty-five dollars for the best essay written by a woman in connection with any course in sociology

BETA GAMMA SIGMA PRIZE

Alpha of Illinois chapter of Beta Gamma Sigma awards a silver cup each year to the Commerce freshman man who makes the highest scholastic average in his first semester's attendance at the University. The prize winner's name and average is engrossed upon a parchment scroll and the scroll is hung in a prominent place in the Commerce Building.

THE SCHAEFER PRIZE IN ENGINEERING

Mr. John V. Schaefer, President of the Cement Gun Construction Company of Chicago, a graduate of the College of Engineering of the Class of 1888, offers annually a cash prize of thirty dollars for the best technical paper written by a student beyond the freshman year in the College of Engineering. The essay, which must be not less than 1500 words nor more than 2500 words in length, must describe some engineering construction with which the writer has been personally identified in some capacity during a vacation period, and must be accompanied by photographs and by freehand sketches made by the writer. It must be submitted to the Dean of the College of Engineering not later than December 1. The prize was offered for the first time in 1921.

LECTURES AND OTHER GENERAL EXERCISES

A part of the instruction afforded by the University to its students is given through the medium of lectures by distinguished men and women from outside the University and by means of exhibitions, recitals, and other exercises distinct from the regular courses of instruction. A partial list of these exercises for the calendar year 1921 follows. Lectures by members of the University faculty are excluded from this list.

LECTURES AND EXERCISES

Educational Conference and Installation of President.

Dec. 1. 2 p. m. Opening of Conference on the Relation of the Federal Government to Education.

EUGENE DAVENPORT: The early effects of congressional appropriations for education.

SAMUEL P. CAPEN: Recent federal legislation on education.

8 p. m. Installation of DAVID KINLEY as President of the University.

DAVID KINLEY: Relation of State and Nation in educational policy.

Dec. 2. E. W. ALLEN: Problems of administering federal appropriations to state institutions.

W. O. THOMPSON: Problems of state universities in administering federal funds.

HORACE M. TOWNER: Federal aid to education, its justification, degree, and method.

THOMAS STERLING: Constitutional and political significance of federal legislation on education.

Convocations

Feb. 11. LINCOLN DAY. Address by The Reverend William E. Barton.

Nov. 11. ARMISTICE DAY. Address by Major-General Milton J. Foreman.

General University Lectures

Mar. 23. Lecture under auspices of Collegiate Alumnae. DR. CHARLES A. EASTMAN: The real Indian.

Apr. 4, 5, 7, 8, 11, 12, 13, 14. Professor RAFFAELLO PICCOLI: Dante, I; The relation of English and Italian literature, I; Dante, II; The relation of English and Italian literature, II; The relation of English and Italian literature, III; Dante, III; Italy and the commonwealth; The relation of English and Italian literature, IV.

Apr. 6. Lecture under auspices of Theta Sigma Phi. SINCLAIR LEWIS: Modern fiction.

Dec. 12, 13, 14. Dante Sexcentenary Lectures. Professor JEFFERSON B. FLETCHER Columbia University: Dante's Madonna: Beatrice; Dante's Madonna: Mary; The interpretation of literature.

Star Course

Jan. 21. JACQUES THEBAUD, violinist.

March 1. JOHN DRINKWATER, an English dramatist's conception of Abraham Lincoln.

March 9. ARTHUR SHATTUCK, pianist.

April 29. REINALD WERREN RATH, baritone.

May 14. TRIO AEOLINE.

Nov. 18. EMMY DESTINN, soprano.

Nov. 28. WILL IRWIN, disarmament.

Dec. 16. JOSEF LHEVINNE, pianist.

Symphony Course

Feb. 9. MINNEAPOLIS SYMPHONY ORCHESTRA.

Feb. 23. ST. LOUIS SYMPHONY ORCHESTRA.

March 30. DETROIT SYMPHONY ORCHESTRA.

Nov. 8. CINCINNATI SYMPHONY ORCHESTRA.

Dec. 10. FLONZALEY STRING QUARTET.

Architectural Exhibitions

Jan. 31—March 1. Work done by the Faculty of the Department of Architecture.

Feb. 28—March 5. Sketch problems of the students in Architecture.

March 10-15. Student work in design from the University of Pennsylvania.

March 15-20. Work of the Freshman class.

March 15-31. Design work of the Seniors in Architecture.

April 1-10. Junior work in Design.

April 12-30. Student work from Cornell University.

May 2-7. Drawings submitted in the Scarab Competition.

May 9-14. Drawings submitted in the competition for the Francis J. Plym Fellowship.

May 16-27. Student work from Syracuse University.

May 28—June 5. Senior work in Design.

June 10—Sept. 10. Student work of year.

Nov. 22—Dec. 8. Exhibition of Medici prints loaned by the American Federation of Arts.

Dec. 3. COLLEGE OF ENGINEERING OPEN HOUSE.

Entertainments

- Jan. 9. SOPHOMORE COTILLION.
 Feb. 7. POST EXAM JUBILEE.
 Feb. 25. MILITARY BALL.
 March 4. MILITARY BAND CONCERT.
 March 20. UNIVERSITY SYMPHONY ORCHESTRA.
 April 15, 16. "Our Children."
 April 22. AG. ROUNDUP.
 April 29. STUDENT OPERA, "Caoutchouc."
 May 8. "The Four Winds."
 May 20. ANNUAL MAY FETE.
 Y. W. C. A. STUNT SHOW.
 June 13. SENIOR BALL.
 Oct. 6. EDWIN H. LEMARE, Municipal Organist, San Francisco.
 Nov. 4. FRESHMAN FROLIC.
 Nov. 11. "The Tailor Made Man."
 Dec. 2, 3. "Sari."
 Dec. 5, 6. THE SHAKESPEARE PLAYHOUSE.
 Dec. 9. JUNIOR PROM.
 Dec. 13. THE UNIVERSITY CHORAL SOCIETY, "The Messiah."

All University Services 1921

- Jan. 9. The REV. JOEL B. HAYDEN, Cleveland: The god of academic freedom.
 Feb. 13. Bishop WILLIAM F. McDOWELL, Washington, D. C.: Choosing the best.
 March 13. DAVID R. PORTER, New York City: Chaos or Christ.
 April 13. OWEN E. PENCE '10: Illini leadership and the world's work.
 May 8. DR. SHAILER MATHEWS, Chicago: Manufactured gods.
 Oct. 23. SHERWOOD EDDY: War's aftermath.
 Oct. 30. DR. RICHARD LA RUE SWAIN: The honest atheist.
 Dec. 11. DR. MATTHEW F. SMITH, Indianapolis: The challenge of a new day.

THE COLLEGE OF LIBERAL ARTS AND SCIENCES

- Feb. 14. Professor L. M. LARSON: The larger functions of history.
 Feb. 28. Professor R. D. CARMICHAEL: The larger human worth of mathematics.
 March 1. Department of History. Professor F. C. DIETZ: The present state of the world—the British Empire.
 March 3. Department of Romance Languages. Professor J. D. FITZGERALD: Cervantes.
 March 8. History Club. Professor F. C. DIETZ: Elements of unrest in Egypt and India.
 March 10. Department of Romance Languages. Professor T. E. OLIVER: Moliere.
 March 14. Professor W. A. NOYES: The relation of the physical sciences to life.
 March 15. Department of History. Professor J. G. RANDALL: The present state of the world—America's new merchant marine.
 March 17. Department of Romance Languages. Professor D. H. CARNAHAN: Rousseau.
 April 4. Professor C. F. HOTTES: The biological sciences and life.
 April 18. Professor B. H. BODE: Philosophy, the guide of life.
 May 9. Professor S. P. SHERMAN: Literature and the government of men.

COLLEGE OF ENGINEERING

Short Courses and Conventions

- Feb. 21-26. Short Course in Highway Engineering.
 July 13-18. Short Course for Metermen.
 Jan. 23—Feb. 4. Short Course in Ceramic Engineering.

College Assemblies

- Feb. 24. Mr. H. FOSTER BAIN, Director of the U. S. Bureau of Mines, Washington, D. C.: The influence of the social structure of China on Industry.

Architectural Club

- Jan. 6. The Rev. J. M. PAGE, Champaign: The cathedral builders.
 Oct. 26. Mr. C. J. HOGUE, Manager of the West Coast Forest Products Bureau, New York City: The logging of fir timber.

Electrical Engineering Society

- Jan. 14. Mr. C. R. HARRELL, '13: The manufacture of watt-hour meters.
 Nov. 22. Mr. A. A. NORTHROP, Stone and Webster, Boston, Massachusetts: The Caribou hydro-electric development in the Sierra Nevadas.
 Dec. 15. Professor ROWLAND ROGERS, Columbia University, New York City: In-visible actions (illustrated).

Student Branch, American Society of Mechanical Engineers

- March 4. Mr. C. M. HOLLAND, Chief Engineer for the New York State Bridge and Tunnel Commission and the New Jersey Interstate Bridge and Tunnel Commission, New York City: The New York vehicular tunnel.
 April 4. Mr. E. G. BAILEY, President of the Bailey Meter Company, Cleveland, Ohio: Combustion and boiler operation.
 April 11. Mr. L. A. SCRIPPO, Bureau of Mines, Pittsburgh, Pennsylvania: Engineering opportunities in the Near East.

THE COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION*Lectures and Exercises*

- Feb. 17. Dr. N. KRISHNA, India: Secrets of oriental trade.
 Mar. 4. R. B. NEWTON, Correspondence Supervisor, Bassich Manufacturing Com-pany: Correspondence supervision.
 March 21. E. W. ZIMMERMAN, James Millikin University: Coal exports.
 May 4. LOUIS BALSAM, Secretary, Direct Mail Advertising Association: Business letters in solution.
 May 17. ANSEL CLARK, U. S. Department of Commerce: Opportunities in foreign trade.
 Dec. 2. FREDERICK WALKER, Efficiency Expert, Library Bureau, Chicago: The why and how of filing.

THE COLLEGE OF AGRICULTURE*Agricultural Extension*

- Oct. 10. The Rev. S. E. FISHER, Champaign: Agriculture in Jamaica.
 Oct. 17. Mr. J. W. BECKER, Secretary, Springfield: The work of the Illinois Tuberculosis Association.
 Oct. 24. Mr. C. H. OATHOUT, Urbana: Work of the county adviser.
 Nov. 14. Mr. T. U. ELLINGER, Denmark: The swine industry of Denmark.
 Nov. 21. Col. C. H. CONRAD, Jr., U. S. Army: Western agriculture as I saw it last summer.
 Dec. 10. AGRICULTURE OPEN HOUSE.

Lectures and Exercises

- JAN. 17-28. TWENTIETH ANNUAL CORN GROWER'S AND STOCKMEN'S CONVENTION AND TWO WEEKS' COURSE IN AGRICULTURE.

Special Lectures

- Jan. 17. The Rev. EDWARD S. BOYER, D. D., Wesley Foundation, Urbana: The value of a vision.
 Jan. 19. Mr. D. O. THOMPSON, Secretary, Chicago: The work of the Illinois Agricultural Association.

- Mr. HARVEY J. SCONCE, Delegate to International Institute, Sidell: Restoration of the devastated areas in France and tidings from the International Institute of Agriculture at Rome.
- Jan. 22. Mr. W. G. KAISER, Portland Cement Association, Chicago: The use of concrete on the farm.
- Jan. 24. Mr. JOHN S. COLLIER, Kankakee: Phosphate storage.
- Jan. 26. Mr. CARL COLVIN, State Supervisor of Agricultural Education, Springfield: Vocational agriculture and the farm boy.
- OCT. 13-16. SIXTH ANNUAL BETTER COMMUNITY CONFERENCE.

Special Lectures

- Oct. 13. Mr. PERCY MACKEYE, Dramatist, Oxford, Ohio: The community drama—Its motive and method of neighborliness.
- Oct. 14. Miss GRACE OSBORNE, Crusader Executive National Tuberculosis Association, New York City: The new crusade.
Mr. CHARLES POWLISON, Secretary National Child Welfare Association, New York City: The child in the midst.
- Oct. 15. Mr. LORADO TAFT, Sculptor, Midway Studio, Chicago: See Illinois first.
Mr. RAYMOND ROBINS, Chicago: World disarmament or world bankruptcy—*which?*
- Oct. 16. Miss ZONA GALE, Portage, Wis.: Neighborliness.

Animal Husbandry Department

- Jan. 21. Mr. J. G. IMBODEN, Decatur: Corn belt cattle feeding.
- Jan. 26. Mr. T. J. FOSTER, President of the Illinois Veterinary Medical Association: Relation of the veterinary practitioner to poultry diseases.
- Jan. 26. Dr. L. VAN ES, Professor of Animal Pathology and Hygiene, University of Nebraska: Avian tuberculosis and tuberculous diseases.
- Jan. 26. Dr. C. E. GRIFFIN, Armstrong, and Dr. E. B. HOUSEHOLDER, Bement: Croupous bronchitis and bronchial pneumonia of swine.
- Jan. 26. Dr. O. E. DYSON: Fundamental principles of animal disease control.
- Jan. 27. Professor A. G. PHILLIPS, Chief in Poultry Husbandry, Purdue University: Poultry industry of the middle west.
- Jan. 27. Mr. R. H. WILKINS, Poultry Expert, Bureau of Animal Industry: A word on poultry feeding.
- Jan. 27. Dr. H. P. RAFFENSPERGER, Bureau of Animal Industry, Chicago: Parasitic diseases of poultry in Illinois.
- Jan. 27. Dr. L. VAN ES, Professor of Animal Pathology and Hygiene, University of Nebraska: Status of immunity methods for the control of hemorrhagic septicemia.
- Jan. 27. Dr. J. S. COEN, Bloomington: Importance of sanitation in live stock production.
- Jan. 27. Dr. L. ENOS DAY, Bureau of Animal Industry, Chicago, Illinois: Some newer phases of the veterinary profession.
- Jan. 28. Dr. C. E. FIDLER, Canton: Dr. GEORGE GORDON, Gibson City: Dr. W. H. WELCH, Lexington: Dr. W. LESTER HOLLISTER, Avon: Talks on country veterinary associations.
- Jan. 28. Dr. R. E. NESBIT, Ex-President of the Illinois Veterinary Medical Association: Present trend of veterinary education.
- Jan. 28. Professor H. W. MUMFORD, Illinois Agricultural Association: Duty and responsibility of the veterinary profession.
- Jan. 28. Mr. ARTHUR C. PAGE, Editor of Orange Judd Farmer; Mr. E. T. ROBBINS, Clinton: The agricultural class and its relation to animal disease control.
- Aug. 16. FRANK L. PLATT, Editor of the American Poultry Journal: Poultry improvement methods in Illinois.
- Nov. 11. Baby International Live Stock Show.

Department of Home Economics

- Apr. 15. Home Economics Open House
- May 21. Home Economics Celebration—Presentation of the Bevier Portrait to the University.

Department of Horticulture

Lectures and Exercises

- May 3. W. N. RUDD: Cemeteries.
Dec. 15. ROGER BURNHAM, Sculptor, Honolulu, Hawaii: Service through art.
Dec. 8. F. A. C. SMITH, Landscape Architect, Chicago: City planning.
Jan. 5. GERTRUDE EISENDRATH, Landscape Architect Chicago: Landscape practise.
Jan. 12. O. C. SIMONDS, Landscape Architect, Chicago: The field of landscape gardening.

Exhibition

- Nov. 11-16. Chrysanthemum Show.

THE SUMMER SESSION

- July 7-8. Shakespearean Festival. Three plays.
July 26. Lecture—Dr. JULIAN MORGENSTERN: The story of creation.
July 27. Dr. JULIAN MORGENSTERN: Some ancient Hebrew folk tales.
July 28. Lecture—Dr. JULIAN MORGENSTERN: The flood story.

ASSOCIATIONS, SOCIETIES, AND CLUBS

GENERAL ORGANIZATIONS

The Alumni Association

The Alumni Association is the general organization of the alumni of the University. The Association maintains an office at the University and publishes a fortnightly periodical, the *Alumni Quarterly and Fortnightly Notes*; in this office is compiled the alumni directory, known as *The Alumni Record*, successive editions of which have been published approximately every five years since 1906. The staff is now at work on a volume for the alumni of the Colleges of Medicine and Dentistry and School of Pharmacy, at Chicago. These Chicago department graduates have alumni associations of their own, as has the Library School. One hundred and twenty-five local alumni associations have been organized: seventy-seven in Illinois; five in New York; four in Missouri, Oklahoma, and Kansas; three in Wisconsin, Pennsylvania, Ohio, and Indiana; two in Washington, North Dakota, Iowa, Colorado, and California; one each in Alabama, Arizona, Georgia, Kentucky, Massachusetts, Michigan, Minnesota, Tennessee, and Texas.

University of Illinois Union

The University of Illinois Union is an association of the men of the University, having for its general object the promotion of college spirit and good fellowship. All male students are eligible to active membership in the Union; alumni and members of the faculty may become associate members.

The Honor Commission

The Honor System was adopted by a student referendum vote June 3rd, 1919, and was approved by the University Senate. Under this system all examinations are given entirely without faculty supervision, each student certifying on his paper that he has neither given nor received aid during the examination. Freshmen are also required to write the same honor pledge on their themes. There are two honor commissions, one for men and one for women, each made up of seven students, and violations of the Honor System are reported to these commissions for trial. After trying a case the findings of the honor commission are subject to final approval by the Council of Administration.

The Student Council

The Student Council, consisting of eight seniors and seven juniors, elected annually, has charge of certain undergraduate student activities.

The Woman's League

The Woman's League was organized to further the spirit of unity among the women of the University and to be a medium for the stimulation and maintenance of high standards. All women students are eligible to active membership in the League; all women members of the faculty and of the Graduate School are eligible to associate membership.

Students' Hospital Fund

The Students' Mutual Benefit Hospital Fund provides ward hospital care for members who become ill and need such care for a period not to exceed four weeks during any semester. Members pay \$2.00 a semester. The Dean of Men is the Trustee of the Fund.

Literary Societies

The ADELPHIC and PHILOMATHEAN societies for men, and the ALETHENAI, ATHENIAN, ILLIOLA, and JUMESONIAN societies for women, meet weekly, on Fridays, and the GREGORIAN Society (for women) on Wednesdays throughout term time.

The Christian Associations

Membership in the Young Men's Christian Association is based on willingness to serve on some one of the eighteen committees. Every man in the University is eligible for membership. The "Y" Hut is open to all students. Newspapers, magazines, books, victrola, checkers, check room, free typewriter, and stationery are at their service. The spacious lounging room makes for pleasant recreation and new friendships. Religious meetings are held on Sunday evening. Bible Discussion Groups are promoted. An extensive community program is conducted. Friendly relations with the large group of foreign students is promoted. Sunday afternoon musical programs as well as many other social gatherings are held in the Hut. An employment bureau managed by the Association endeavors to help students find work.

The Y. W. C. A. is housed in the Hannah McKinley building. Dormitory space is provided for fifty young women. There are parlors on the first floor for use of the women rooming in the house, a large assembly room, pianos, organization rooms, and correspondence tables. A modern dining room is located in the basement. There are 650 members. An employment bureau is maintained at the Y. W. C. A. to help University women to find employment.

At the opening of the college year the Associations endeavor to help new students to find desirable rooming and boarding places. A copy of the Students' Handbook, giving information about Urbana and Champaign, the University, and the various college organizations and activities, will be sent free to prospective students. For this handbook or for further information address the general secretary of either Association.

HONORARY SOCIETIES

The honorary societies or fraternities named below are private intercollegiate organizations of students and graduates, having for their primary purpose the recognition and encouragement of excellence in scholarship in various departments of study. Election is in all cases made by the societies themselves in accordance with their own rules. The University assumes no responsibility for elections.

Phi Beta Kappa

Each year a certain number of the ranking students of the senior class in the College of Liberal Arts and Sciences are elected to membership in the Phi Beta Kappa Society. The number is ordinarily limited to one-fifth of the total membership of the graduating class.

The Phi Beta Kappa Prize

Gamma of Illinois chapter of Phi Beta Kappa offers annually a prize of \$25 to that member of Gamma Chapter who at his graduation from the College of Liberal Arts and Sciences gives evidence of greatest promise as a scholar in the domain of liberal arts. The award is based on the following considerations: (a) Class room records; (b) other literary and scholarly activities in the University; (c) an essay, which may be a senior thesis or a term paper. At the discretion of the committee in charge, the award may be withheld if none of the essays appears worthy of the prize. Essays submitted in competition and all correspondence with reference to this prize should be addressed to the Secretary of the Phi Beta Kappa Society, University of Illinois. The committee will not be limited in its award to those who have submitted papers specifically for this purpose or have otherwise given formal notice of candidacy. Special consideration will be given to theses deposited in the College office by candidates for honors in the various departments.

Sigma Xi

Members of the senior class who give "promise of marked ability" in scientific investigations are eligible to membership in the Sigma Xi Society, which was founded to encourage research in pure and applied science.

Beta Gamma Sigma

Upper classmen in the College of Commerce of high scholastic standing and promise of future business ability are eligible to election in the Beta Gamma Sigma Society.

Other Honorary and Professional Societies

Alpha Alpha Alpha (Pre-legal); Alpha Chi Sigma (Chemistry); Alpha Kappa Psi (Commerce); Alpha Rho Chi (Architecture); *Alpha Zeta* (Agriculture); Beta Alpha Psi (Accounting); Delta Sigma Rho (Oratory); Eta Kappa Nu (Electrical Engineering); Farm House (Agriculture); Gamma Alpha (Graduate Scientific); *Gamma Epsilon Pi* (Women's Commercial); Gamma Pi Alpha (Women's Agricultural); Iota Sigma Pi (Chemistry); Kappa Delta Pi (Education); Keramos (Ceramic Engineering); Lambda Xi (Floriculture); Ma-Wan-Da (Men's Senior Society); Mu Kappa Alpha (Musical); Omega Beta Pi (Pre-medical); Omicron Nu (Home Economics); Mortarboard (Women's Senior Society); *Order of the Coif* (Law); Phi Alpha Delta (Law); *Phi Delta Kappa* (Educational); Phi Delta Phi (Law); Phi Lambda Upsilon (Chemistry); Pi Delta Epsilon (Inter-publication); Pi Tau Sigma (Mechanical Engineering); Psi Xi (Psychology); Sachem (Men's Junior Society); Scabbard and Blade (Military); Scarab (Architecture); Shi Ai (Sophomore Intersorority); Sigma Tau (Engineering); *Tau Beta Pi* (Engineering); Theta Sigma Phi (Journalism); Theta Tau (Engineering); Triangle (Civil Engineering); Tribe of Illini ("I" Men); U. L. A. S. (Landscape Architecture); Woman's Landscape Gardening Association; Sigma Delta Chi (Journalism); Sigma Delta Phi (Women's Public Speaking); Inns of Court (Law); Gargoyle (Architecture); Delta Nu Epsilon (Mining); Alpha Sigma Nu (Woman's Physical Education); Alpha Theta Alpha (Woman's Medical); Alpha Tau Alpha (Agriculture); Gamma Pi Upsilon (Chemistry); Theta Delta Pi (Foreign Trade); Delta Phi Epsilon (Athletic); Delta Theta Epsilon (Coaching).

CLUBS AUXILIARY TO COURSES OF STUDY

In addition to the associations and societies of a general character described above, there are in each college a number of societies and clubs devoted to outside work of a literary, scientific, or technical nature auxiliary to the work of various departments of that college. Among these are the following:

In the COLLEGE OF LIBERAL ARTS AND SCIENCES: The Botanical Club, The Celtic Club, *le Cercle Francais, el Circulo Espanol*, the Chemical Club, the University of Illinois Section of the American Chemical Society, the English Journal Club, the Geological Journal Club, Hexapecia, the Mathematical Club, the Philological Club, the Psychology Club, the Romance Journal Club, the Scandinavian Club, the Bryce Club; the German Conversation Club.

In the COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION: The Accountancy Club, the Commercial Club, the Foreign Trade Club, the Junior Chamber of Commerce.

In the COLLEGE OF ENGINEERING: The Architectural Club, the Student Branch of the American Ceramic Society, the Student Branch of the American Society of Civil Engineers, the Electrical Engineering Society, the Engineering Council, the Mining Club, the Student Branch of the American Institute of Mining and Metallurgical Engineers, the Student Branch of the American Society of Mechanical Engineers, the Student Branch of the American Association of Engineers, the Physics Colloquium, the Railway Club.

In the COLLEGE OF AGRICULTURE: The Agricultural Club, the Horticultural Club, the Household Science Club, the Landscape Gardeners' Club, the Hoof and Horn Club, the Floricultural Club.

In the SCHOOL OF MUSIC: The University Choral and Orchestral Society, the University Military Band, the University Women's Glee Club.

In the LIBRARY SCHOOL: The Library Club.

In the COLLEGE OF LAW: The Law Club.

FRATERNITIES, SOCIETIES, AND CLUBS

National Fraternities.—Acacia; Alpha Chi Rho; Alpha Delta Phi; Alpha Epsilon Pi; Alpha Gamma Rho; Alpha Kappa Lambda; Alpha Phi Alpha; Alpha Sigma Phi; Alpha Tau Omega; Beta Delta Sigma; Beta Theta Pi; Chi Phi; Chi Psi; Delta Kappa Epsilon; Delta Phi; Delta Sigma Phi; Delta Tau Delta; Delta Upsilon; Kappa Delta Rho; Kappa Sigma; Lambda Chi Alpha; Phi Delta Theta; Phi Epsilon Pi; Phi Gamma Delta; Phi Kappa; Phi Kappa Psi; Phi Kappa Sigma; Phi Kappa Tau; Phi Sigma Kappa; Pi Kappa Alpha; Pi Kappa Phi; Psi Upsilon; Sigma Alpha Epsilon; Sigma Alpha Mu; Sigma Chi; Sigma Nu; Sigma Phi Epsilon; Sigma Phi Sigma; Sigma Pi; Tau Kappa Epsilon; Theta Chi; Theta Delta Chi; Zeta Beta Tau; Zeta Psi.

Sororities.—Achoth; Alpha Chi Omega; Alpha Delta Pi; Alpha Epsilon Phi; Alpha Gamma Delta; Alpha Omicron Pi; Alpha Xi Delta; Chi Omega; Delta Delta Delta;

Delta Gamma; Delta Zeta; Gamma Phi Beta; Kappa Alpha Theta; Kappa Kappa Gamma; Phi Mu; PiBeta Phi Phi; Sigma Kappa; Theta Phi Alpha; Zeta Tau Alpha.

Local Clubs.—Alpha Epsilon Pi; Anubis; Alpha Epsilon; Beta Lambda; Chi Beta; Concordia; Delta Phi Omega; Ilus; Iota Phi Theta; Pi Pi Rho; Phi Lambda Pi; Sigma Tau Delta; Tau Delta Tau; Zeus; Kappa Pi; Phi Epsilon; Rho Beta Iota; Tau Alpha Theta.

Interfraternity Organizations.—Men's Pan Hellenic Council; Girls' Pan Hellenic Association; Skull and Crescent; Ku Klux Klan; Shi-Ai.

OTHER ORGANIZATIONS

Other student societies include the following.—Bahai Group; Chinese Students' Club; Comitatus (Democratic); Christian Science Society; Cosmopolitan Club (Men's); Cosmopolitan Club (Women's); Japanese Students' Club; Latin American Club; Republican Club; Mask and Bauble (dramatic); Pierrots (vaudeville); Scribbler's Club; Menorah; Country Life Club; Dames' Club; Illinois Union; Woman's League; Daubers Club; Glee Club, Men's.

UNDERGRADUATE SCHOLARSHIPS

(For circulars giving more detailed information concerning scholarships, apply to the Registrar of the University.)

COUNTY SCHOLARSHIPS

A law passed by the General Assembly of the State of Illinois at the session of 1905, embodied in the General School Law of 1909, and amended in 1917 and 1919, provides that one scholarship may be awarded annually to each county of the State. The holder thereof must be at least sixteen years of age, and a resident of the county to which he is accredited. No student who has attended the University of Illinois is eligible for one of these scholarships. The holder of a scholarship is relieved of payment of the matriculation and incidental fees for four years in any department of the University.

A competitive examination, under the direction of the President of the University, and on such branches of study as the President may select, is held on the first Saturday in June of each year, at the county court house in each county by the County Superintendent of Schools. Questions for the examinations are furnished in advance to the County Superintendents.

The successful candidates in the examinations must then meet in full, either by certificate from an accredited high school or by passing entrance examinations at the University, the requirements for admission to the freshman class, and must register the following September.

In case the scholarship in any county is not claimed by a resident of that county, the President of the University may fill the same by assigning to that county from some other county the student found to possess the next highest qualifications.

A student holding a scholarship who shall make it appear to the satisfaction of the President of the University that he requires leave of absence for the purpose of earning funds to defray his expenses while in attendance, may, in the discretion of the President, be granted such leave of absence, and may be allowed an extension of his scholarship for not more than two years (making not more than six years in all from the beginning of the scholarship). Such extension will not be granted unless the student has been in attendance at the University for at least one full semester, nor unless the student's average grade during the period of his attendance has been at least C, exclusive of grades in military science and physical education.

GENERAL ASSEMBLY SCHOLARSHIPS

The same act by which the county scholarships described above were established also provides that each member of the General Assembly may nominate annually one eligible person from his district for a scholarship in the University, granting the same privileges as the county scholarships.

A member of the General Assembly who wishes to nominate a candidate for a scholarship should file the name and address of his nominee as early in the spring as practicable and not later than June 1, with the President of the University.

The nominee, if a graduate of a school accredited by the University, shall be admitted to the University on the same conditions as to educational qualifications as are graduates of such accredited high schools not so appointed to scholarships, and if any such candidate is not a graduate of a school accredited by the University, he shall present himself for examination—the same that is given to competitors for the county scholarships on the first Saturday in June, under the County Superintendent. The nominee must further (1) meet in full, either by certificate from an accredited high school or by passing entrance examinations at the University, the requirements for admission to the freshman class; and (2) register in the University the following September.

If a nominee fails to make a passing grade (70) in the scholarship examination he may not receive the scholarship. In this case notice will be sent to the member of the General Assembly who made the nomination, who is then entitled to nominate a second candidate, before the first registration day in September. This second candidate is subject to all the requirements stated above. If this candidate is not a graduate of an accredited school,

the scholarship examination will be given him at the University on the Wednesday preceding the fall registration days (in 1922, September 13).

A General Assembly scholarship may be extended under the same conditions as a county scholarship.

SCHOLARSHIPS IN CERAMIC ENGINEERING

The University offers annually, to each county in the State, one scholarship, awarded on the nomination of the Illinois Clay Workers' Association, to applicants who intend to follow the curriculum in Ceramic Engineering. These scholarships are good for four years and relieve the student from the payment of the matriculation fee (\$10, payable once, on entrance), and the incidental fee (\$50 a year).

The candidate must be at least sixteen years of age, must be a resident of the county for which he is nominated, and must meet *in full, before entering*, by certificate from an accredited high school or by passing entrance examinations at the University, the requirements for admission to the freshman class.

Acceptable candidates, residents of counties for which appointments have been made, not exceeding five in number from any one county, may be assigned to counties for which no recommendations are made. The first nominee from each county, if duly qualified, is awarded the scholarship at the time of registration. Other nominees must pay the regular fees on registration. Assignments to counties for which there are no nominees registered are made on or about October 15, at which time the nominees so assigned to counties other than their own receive rebates of the full amount to the matriculation and incidental fees paid.

SCHOLARSHIPS IN AGRICULTURE AND HOME ECONOMICS

The University offers every year to each county in the State, except Cook and Lake, and to each of the first ten congressional districts, one scholarship for prospective students of agriculture in the College of Agriculture and one for prospective students of home economics in the College of Liberal Arts and Sciences or the College of Agriculture.

Appointments to scholarships in agriculture are made by the Trustees of the University on the recommendation of the Executive Committee of the Illinois Farmers' Institute; and to scholarships in Home Economics on the recommendation of the County Domestic Science Associations, or, for counties and districts in which there are no domestic science associations, on the recommendation of the Illinois Farmers' Institute. Persons who have already attended the University are not eligible, and no person will be assigned a scholarship unless his name is received by the Registrar of the University on or before the registration days of the semester with which the scholarship is to begin.

Candidates who are able to meet in full the requirements for admission to the freshman class are eligible for appointment at 16 years of age. Candidates who cannot meet these entrance requirements are eligible for appointment as special students (in the College of Agriculture) at 21 years of age.

Acceptable candidates, residents of counties or districts for which appointments have been made, not exceeding five in number from any one county or district, may be assigned to counties or districts for which no recommendations are made. The first nominee from each county or district, if duly qualified, is awarded the scholarship at the time of registration. Other nominees must pay the regular fees on registration. Assignments to counties and districts for which there are no nominees registered are made on or about October 15, at which time the nominees so assigned to counties or districts other than their own receive rebates of the full amount of the matriculation and incidental fees paid.

The scholarships are good for two years and relieve the holders from the payment of the matriculation fee (\$10, payable once, on matriculation), the incidental fee (\$50 a year), and (in case of special students) the tuition fee (\$15 a year). If, before a scholarship expires, the holder satisfies in full the requirements for admission to the freshman class of the college in which he or she is enrolled, the term of the scholarship may be extended to four years from the date of the student's matriculation.

THOMAS J. SMITH SCHOLARSHIPS IN MUSIC

Captain Thomas J. Smith, of Champaign, Illinois, on September 17, 1914, conveyed to the Board of Trustees of the University certain farm lands in Champaign County, in consideration whereof the Board of Trustees agreed to erect a building for the music departments of the University, to be known as the Tina Weedon Smith Memorial Building, and further to

grant annually in the University four free scholarships in the music departments "for young women who may seek a musical education but who are unable to pay the customary charges for instruction in music;" these scholarships to be assigned by way of preference to candidates from Champaign County, but in case there are no candidates from this county, to be assigned to young women from other counties in Illinois.

Regulations

(1) These scholarships shall be good for one year and shall exempt their holders during this period from matriculation, incidental, and music fees.

(2) A person who during her year of tenure of one of these scholarships shall make an average grade of B in all subjects shall be eligible for reappointment to it for a second year, and on the same basis may be reappointed for a third year and a fourth year.

(3) Each applicant for original appointment to one of these scholarships shall present a recommendation from the principal of a high school accredited to the University, certifying that she is a graduate of the high school, that she is a student of ability and promise, and that in the judgment of the principal of the high school she is unable to pay the customary charges for instruction in music.

(4) Each applicant for original appointment to one of these scholarships shall pass the University entrance examinations in the following subjects: English composition and rhetoric, 1 unit; algebra, 1 unit; Latin or French or German, 2 units; music, 2 units; these examinations to be taken with the regular fall entrance examinations of the University. The scholarships shall be awarded to the candidates from Champaign County who make the highest average grade in these four examinations. In case the number of successful candidates from Champaign County is fewer than the number of available scholarships, the remaining scholarships shall be awarded to the candidates from other counties in Illinois having the highest average grade in these four examinations. But no scholarship shall be awarded to any candidate who fails to make a passing grade (70) in any one of the four subjects of the examination.

(5) A candidate for original appointment must also satisfy in full the entrance requirements of the School of Music as stated in the University catalog, and must matriculate in that School for the fall semester immediately succeeding the examination.

(6) No person who has attended the University shall be eligible for appointment to these scholarships.

JOSEPH T. RYERSON AND SON SCHOLARSHIPS

(Mechanical or Railway Engineering)

The Joseph T. Ryerson and Son Scholarships of the American Railway Master Mechanics' Association, two in number, provide each for an annual stipend of \$300.00 to be paid to the beneficiary during the four years of his attendance in an engineering course at the University of Illinois, the University of Wisconsin, or Purdue University. Competitive examinations for these scholarships are conducted by the three universities in turn. Practical railroad experience is considered in the selection of candidates. Beneficiaries are expected to spend two years after graduation in the mechanical department of some railroad, and when financially able to do so to refund in convenient sums the amount of the scholarship for the benefit of others. For further information address Jos. W. Taylor, Secretary of the American Railway Master Mechanics' Association, 1112 Karpen Building, Chicago, or the registrar of any one of the three universities concerned.

STATE MILITARY SCHOLARSHIPS

By an amendment to the General School Law passed by the General Assembly of 1919 the following additional provision in regard to scholarships in the University of Illinois was inserted:

"SECTION 173a. Any person who served in the army, navy, or marine corps of United States, not including members of the Students' Army Training Corps, during the World War, who, at the time of entering upon such service, was a resident of this state, and who has been honorably discharged from such service, and who shall possess all necessary entrance requirements shall, upon application and proper proof, be awarded a University of Illinois scholarship.

"Any person who served as above stated, and who, at the time of entering upon such service, was a student at the University of Illinois, and who was honorably discharged

from such service, shall, upon application and proper proof, be entitled to finish and complete his course of study at the University of Illinois without tuition and matriculation charges, but such person shall not be entitled to more than four years of gratuitous instruction.

"The provisions of Section 173a, however, shall not apply to persons who were convicted by court martial of disobedience of orders, where such disobedience consisted of the refusal to perform military service on the ground of alleged religious or conscientious objections against war."

To be eligible for appointment to a Military Scholarship, a candidate must establish the following facts:

(1) That he served in the army, the navy, or the marine corps of the United States, exclusive of the Students' Army Training Corps, during the World War.

(2) That he was honorably discharged from such service.

(3) That he was not convicted by court-martial of disobedience of orders, consisting in the refusal to perform military service "on the ground of alleged religious or conscientious objections against war."

(4) That at the time of entering upon his service he was a resident of the State of Illinois or a student in the University of Illinois.

(5) That he possesses "all necessary entrance requirements;" i. e., that he can meet in full the requirements set forth in the Annual Register of the University for matriculation in the college or curriculum of the University which he proposes to enter. These requirements include graduation from an accredited high school, with fifteen units in acceptable subjects, including certain prescribed subjects. A candidate who is not a graduate of an accredited high school may meet the requirements by passing entrance examinations.

SHARPLES PRIZE SCHOLARSHIP

In May, 1920, the Sharples Separator Company offered to establish a scholarship of \$500 a year, for the years 1920-21 and 1921-22 in the College of Argiculture, to encourage women to take a more active part in the development of the dairy industry. This scholarship has been awarded preferably to senior women students in agriculture, home economics, or dairy husbandry. The winners of the scholarship have been required to elect special subjects fitting them to enter the field of the dairy industry especially along educational lines, and to assure the committee of award that at least one year following graduation would be devoted to public service in this field.

OTHER SCHOLARSHIPS

For *scholarships in the College of Law*, see page 191.

For *scholarships in the Summer Session*, see page 186.

For *fellowships and graduate scholarships*, see under Graduate School, page 165.

BEN-HUR SCHOLARSHIPS

The University of Illinois is one of the institutions which may be selected by those to whom Ben-Hur Scholarships are awarded. These scholarships were established by the Supreme Tribe of Ben-Hur, a fraternal beneficial society, in memory of David W. Gerard, the founder. They are worth \$500 a year and are given to members of the order strictly on merit after a competition in which classroom scholarship, school activities, social qualities, and character are all considered. For further information, write to Gilbert Howell, Secretary, Crawfordsville, Indiana.

BENEFICIARY AID

EDWARD SNYDER DEPARTMENT OF STUDENTS' AID

In 1899, Edward Snyder, Professor of the German Language and Literature, *Emeritus*, gave the University the sum of \$12,000, to be lent to worthy students to enable them to finish their courses in the University.

This fund is available for junior, senior, and graduate students who need aid to remain and complete their work. The minimum loan made is fifty dollars; the maximum loan is one hundred fifty dollars to a junior, and two hundred dollars to a senior or graduate student. Notes of hand are taken for the amount of the loans, with five per cent interest. The maximum time limit is for juniors three years and for seniors and graduates two years from the ensuing thirtieth of June.

Loans are made only to matriculated students who have attained at least the full rank of junior, who have been in residence at the University at least one year, who are at the time students in residence at the University, and who have declared their intention to graduate.

In recommending loans, preference is given to those students who are most advanced in their university work, who have shown themselves most assiduous and successful in their studies, and have shown habitual economy in living. No distinction is made on account of sex or course of study. A loan will not be recommended for any student who is believed to have been financially or morally delinquent in any respect.

Applications for loans must be made in writing and addressed to the Chairman of the Loan Fund Committee.

CLASS OF 1895 LOAN FUND

A fund of \$100 was established by the class of 1895, to be lent to needy and deserving students. According to the conditions of the gift, the sum of fifty dollars is to be lent annually, and the benefit of the fund is open only to students who, at the time of application, are members of the freshman class. The loan bears interest from the time the recipient leaves the University, and is due one-half in five years and one-half in six years after matriculation. The fund is in charge of the Loan Fund Committee of the Council of Administration. Applications should be made in writing and should be addressed to the Chairman of the Committee.

GRADUATE CLUB LOAN FUND

A fund of \$75 was established by the members of the Graduate Club in 1907-1908, for the benefit of graduate students. Its administration is in the hands of the Loan Fund Committee of the Council of Administration. Applications should be made in writing and should be addressed to the Chairman of the Committee.

WOMAN'S LEAGUE LOAN FUND

In December, 1910, the Woman's League of the University gave to the University the sum of \$409.44 to be known as the Woman's League Fund. This Fund is available for any woman matriculated in the University and is administered in the same way as the Snyder Loan Fund.

WILLIAM B. M'KINLEY LOAN FUND

In September, 1912, the Hon. William B. McKinley, of Champaign, Illinois, turned over to the University notes aggregating something more than \$12,000, which has been increased by the addition of interest at 5 per cent; this amount as it is collected to be used as a loan fund for undergraduate men. In making the donation, Mr. McKinley stipulated that loans should be made to students on their personal notes, and that a preference should be shown in making these loans to upperclassmen. The notes draw interest at five per cent and become due two years after the student's graduation. Applications for loans should be made in writing and should be addressed to the Chairman of the Loan Fund Committee.

HENRY STRONG LOAN FUND

Mr. Gordon Strong, of Chicago, trustee of the Henry Strong Educational Fund, has offered the University annually since 1918-19 from \$200 to \$500 to be lent to self-supporting

students of high scholastic attainments. The loan bears interest at four per cent and is payable within one year after graduation.

MARGARET LANGE JAMES LOAN FUND

In 1915 President Edmund J. James established the Margaret Lange James Loan Fund in memory of his wife. The original fund (\$5,000) given by President James has been supplemented by gifts from other persons, and the fund now amounts to about \$5,650.

Loans from this fund may be made to matriculated students, preferably women who have been in residence at the University at least one year, who have attained at least junior standing, and who are at the time of application students in residence, who have declared their intention to graduate. In recommending loans, only students of promise and good scholastic standing are considered, and, other things being equal, preference is given to those who are the farthest along in their University work. A loan is not recommended for any student who is believed to be financially or morally delinquent in any respect.

Applicants for loans are required to offer security other than their own signatures, and no member of the faculty or other person directly connected with the University is accepted as security for any student loan.

Loans bear interest until maturity at five per cent, payable semi-annually. The maximum time for which notes may be drawn is two years from the thirtieth day of June next following the student's regular time of graduation. Bank discount is charged for the time until the thirtieth day of June next following the date of the note. Interest at seven per cent is charged on all notes not paid at maturity.

Applications for loans must be made in writing and addressed to the Chairman of the Loan Fund Committee.

WOMAN'S PHARMACY LOAN FUND

In May, 1917, the Woman's Organization of the Chicago Retail Druggists' Association gave to the University the sum of \$115.00, to be used in establishing a loan fund in the School of Pharmacy. In June, 1921, the Organization added \$116.00 to this fund. With accumulated interest the amount now available is \$242.34. This fund is to be lent to one or two deserving women students, preferably from Illinois, who are enrolled in the School. The loan is made upon the recommendation of the Dean and is to be repaid within three years for a junior student and within two years for a senior student, dating from the ensuing thirtieth of June. A note of hand bearing five per cent interest from the time the recipient leaves school is taken for the amount.

LIBRARY SCHOOL FUND

The University of Illinois Library School Association has voted to make all surplus funds in its treasury available for loan to senior library school students. Over \$900 is available for that purpose on the vote of the School faculty.

FIRST FUND FOR OVERSEAS SOLDIERS

A fund of \$1,000 was established in February, 1919, by an anonymous donor, for American soldiers and officers who have served in the military service in actual warfare in Europe or on the adjoining waters in 1917 and 1918, and for their descendants. Recent additions have increased the fund to \$2,000. This fund is to be available in their junior, senior, or post-graduate years to enable the applicants to remain and complete their work in any department of the University and in the first, second, third, or fourth year of any of the courses in agriculture in the University. The applicant is required to show papers of honorable discharge from the military service of the United States and one or more affidavits proving actual service in Europe, or proof, when such is the case, that he is a descendant of such soldier. The minimum loan is \$20 and the maximum total loan to any one person, \$200. The time limit is four years and the notes bear no interest. The fund is administered by the Loan Fund Committee.

DORA E. BIDDLE LOAN FUND

Mrs. Dora E. Biddle, of Macon, gave to the University, in 1919-20, \$2,000 to establish a loan fund for girls. The administration of the loans from this fund is in the hands of the Council Committee on Student Loan Funds, the conditions being the same as for the Margaret Lange James Loan Fund except that loans from this fund may be made to girls in the freshman class who have completed one semester's work satisfactorily.

FEES AND EXPENSES

GENERAL FEES

All University fees are payable each semester in advance.

**Colleges of Liberal Arts and Sciences, Commerce and Business Administration,
Engineering, Agriculture, and Law, School of Music, and Library School**

<i>Matriculation Fee.</i> Each student not holding a scholarship, on satisfying the requirements for admission to the University, pays the matriculation fee of..	\$ 10.00
<i>Incidental Fee.</i> All students, residents of Illinois, excepting those holding scholarships, pay, each semester, an incidental fee of.....	25.00
All students, not residents of Illinois, pay, each semester, an incidental fee of ..	37.50
<i>Tuition Fee.</i> Students conditioned on entrance requirements, and special students (except special students in agriculture or home economics holding scholarships), pay, each semester, a tuition fee of.....	7.50
<i>Laboratory Fees.</i> Each student working in laboratories, or in the drafting or engineering classes, is required to pay a fee varying from \$0.50 to \$12.50, to cover materials and apparatus used and breakages or damages.	
<i>Uniform Deposit.</i> Students taking military are required to make a deposit of \$15.00 for uniform and equipment. This deposit is refunded to the student when his uniform and equipment are returned.	
<i>Listener's Fee.</i> Persons not connected with the University who attend classes as listeners, pay for each course, each semester.....	7.50
<i>Late Registration Fee.</i> A former student who enters after the Registration Days in either semester must pay a late registration fee of.....	1.00
<i>Change Fee.</i> For every change of study-list made later than the tenth day of instruction of either semester a fee of \$1.00 is charged, except that the total charge for the rearrangement authorized on any one change-slip shall not exceed \$2.00.....	1.00
<i>Special Examination Fee.</i> For any special examination, except examinations for advanced standing taken within sixty days after matriculation, the fee is...	5.00
<i>Diploma Fee.</i>	10.00

School of Music

Special Fees

In addition to the above general fees students registering in courses in applied music (voice, piano, violin, violoncello, organ, or band instruments) pay special music fees as follows (per semester):

For one lesson a week.....	\$ 3.00
For two lessons a week.....	5.00

Practise Fees

Piano for practise one hour a day each semester.....	\$ 3.00
Additional hours at the same rate.	
Organ for practise one hour a day for one semester (beginners).....	20.00
For one-half semester.....	10.00
Organ for practise one hour a day for one semester (advanced students).....	25.00
For one-half semester.....	15.00
For one-quarter semester.....	8.00

College of Medicine

	First year	Second year	Third year	Fourth year
Matriculation (paid but once) ¹	\$ 10.00	.....	.....	.....
Registration.....	5.00	\$ 5.00	\$ 5.00	\$ 5.00
Tuition.....	120.00	120.00	140.00	155.00
Laboratory.....	35.00	35.00	5.00	.....
Diploma.....	.....	.....	.....	10.00
Total.....	\$170.00	\$160.00	\$150.00	\$170.00

NOTE.—County Hospital ticket, \$5.00. Maternity Fee, Chicago Lying-in Hospital, \$15.00.

Special students admitted for special work in particular departments paying as follows: Registration, \$5.00; Tuition (each semester), \$50.00; Laboratory fee (each semester), \$10.

College of Dentistry

	First year	Second year	Third year	Fourth year
Matriculation (paid but once) ¹	\$ 10.00	.....	.....	.....
Registration (paid annually).....	5.00	\$ 5.00	\$ 5.00	\$ 5.00
Tuition (paid annually).....	120.00	120.00	120.00	120.00
Locker (paid annually).....	2.00	2.00	2.00	2.00
Laboratory.....	34.00	36.00	50.00	55.00
Diploma.....	.....	.....	.....	10.00
Total.....	\$171.00	\$163.00	\$177.00	\$192.00

School of Pharmacy

Matriculation fee (paid but once) ¹	\$10.00
Registration fee (paid each year).....	5.00
Tuition fee, first and second years.....	60.00
Tuition fee, third year.....	95.00
Laboratory fee, each semester.....	15.00
Laboratory deposit, each year.....	15.00
Diploma fee.....	10.00

AVERAGE ANNUAL EXPENSES

The following are estimated average annual expenses for undergraduate students attending at Urbana, *exclusive* of clothing, railroad fare, and laboratory fees, if any. This includes only the immediate and fundamentally necessary expenses.

Books and Equipment.....	\$ 25.00 to \$ 75.00
Fees ²	50.00 to 80.00
Room rent for one (two in a room).....	81.00 to 150.00
Single rooms.....	108.00 to 180.00
Board at Clubs, etc.....	260.00 to 360.00
Washing.....	30.00 to 45.00
Total.....	\$446.00 to \$695.00

Other necessary expenses will need to be taken into consideration. For all the necessary expenses of the year the average student is likely to need not less than \$600.00 to \$800.00. Most students spend more than this amount.

For information in regard to scholarships which cover the matriculation and incidental fee, see page 96.

¹Not payable if the student has previously matriculated in any other college of the University of Illinois

²Students of music, special students, and conditioned students must make needed changes in the amount given for "semester fees."

Board and Rooms

The University does not provide dormitories nor furnish board, except in the Woman's Residence Hall. The numerous rooming and boarding houses near the campus are to a certain extent under the supervision of the University. The Young Men's and Young Women's Christian Associations of the University will aid new students in securing rooms and board.

Prospective women students and their parents are invited to correspond with the Dean of Women in regard to suitable places.

WOMAN'S RESIDENCE HALL

The Residence Hall for women has accommodations for ninety-eight women students. A flat rate is charged per year of thirty-eight weeks for room, laundry of sheets and pillow cases, and board in the Residence Hall as follows:

Single room.....		\$413.50
Double room, each occupant.....	\$356.50 and	\$375.50
Double room (fourth floor), each occupant.....		309.00
Double room with private bath (two available), each occupant.....		413.50

Half the amount must be paid to the Bursar before the close of the registration period at the opening of the first semester, and the balance before the close of the registration period at the opening of the second semester.

Applications for rooms will be received by the Bursar after April 1 for the following college year. Applications are registered in the order of their receipt, but no application will be registered unless accompanied by a deposit of ten dollars, which will be credited on the payment for the second semester. After May 1 rooms are assigned in the order of application, the women living in the hall having preference. After all the rooms have been assigned the names of those who are unsuccessful will be put on a waiting list if the deposit has not been withdrawn, and as vacancies occur, assignments will be made to them in order.

Application cards and further information may be secured by writing to the Dean of Women.

PART II
THE COLLEGES AND SCHOOLS

THE COLLEGE OF LIBERAL ARTS AND SCIENCES

For a description of the *buildings* used by this College, see page 47; for *museums* and *collections* belonging to it (classical art and archeology, oriental, European culture, botany, entomology, geology, and zoology), see pages 55-57; for a summary of its *courses* see page 59; for *clubs and societies* auxiliary to its curriculums see page 94; for *fees* see page 102.

PURPOSE

The purpose of the College of Liberal Arts and Sciences, in which were merged in 1913 the former College of Literature and Arts, and the College of Science, is, first, to secure to its students a liberal education including both the humanities and the sciences; second, to furnish especially arranged curriculums preparatory to later professional and technical studies by which good students may ordinarily obtain in six years both the degree in arts and a professional degree in law or medicine, or a technical degree in engineering; and, third, to provide certain highly specialized curriculums in applied science (particularly chemistry), journalism, and home economics. The degree of Bachelor of Arts is conferred on the completion of all these curriculums, except those in applied science, for which the degree of Bachelor of Science is given.

Under the modified elective system a student who desires to prepare for teaching may specialize to a considerable extent in the subject which he wishes to teach and may also find time for courses in education and related subjects of interest to teachers. Such students should, as a rule, continue their preparation in the Graduate School.

Students who desire to devote a considerable part of their undergraduate study to specific preparation for some calling other than teaching may select courses in law, medicine, dentistry, journalism, or applied chemistry, or household administration, in accordance with curriculums given in detail in the following pages.

ADMISSION

See the statement of the entrance requirements of the University, pages 62-80.

SPECIAL STUDENTS

For a statement of the regulations of the University in regard to special students, see page 66.

It is the policy of this College to admit as special students only a select group of mature and serious persons who, tho unable to meet the formal requirements for entrance, are substantially prepared for work of college grade, and have a specific and clearly defined purpose in their study.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

A. *University Requirements.*—Each candidate must meet the general university requirements with respect to registration and residence, and must also secure credit in approved courses amounting to one hundred thirty hours, an hour being one class period a week for one semester. Each class period presupposes two hours preparation by the student, or the equivalent in the laboratory or drawing room.

B. *Prescribed Subjects.*—Rhetoric 1-2; Physical Education 1-2 and Hygiene 1 for men; Physical Education 7a-7b, 8a-8b, and Hygiene 2 for women; Military Science, a total of 4 hours for men.

C. *Group Requirements.*—Every candidate must offer the minimum of work specified in each of the following groups:

I. *English.*—The offering in this group must include at least a one-semester course in literature.

II. *Foreign Languages and Literatures* (exclusive of courses in translation).

If a student has received credit for but two units of a foreign language for entrance to the University, he must pursue the study of foreign language through two year courses or the equivalent. If he has received credit upon entrance for three or more units of foreign language, he must continue the study of foreign language through one year of his college course.

Note: Candidates for the degree who have not offered Greek or Latin or French or German for entrance must offer one of these languages for graduation.

III. *History, Political and Social Science.*—History, economics, political science, sociology: 8 hours.

IV. *Mathematics and Physical Science.*—Mathematics, astronomy (courses with college mathematics as prerequisites), physics, chemistry: a minimum of 5 hours, with a minimum total of 15 hours in Groups IV and V, of which at least 5 shall be in courses requiring not less than 4 laboratory hours per week.

V. Botany, bacteriology, entomology, geology, physiology, zoology: a minimum of 5 hours, with a minimum total of 15 hours in Groups IV and V, of which at least 5 shall be in courses requiring not less than 4 laboratory hours per week.

VI. Education, philosophy, psychology: 6 hours, of which 3 shall be in philosophy or psychology.

D. *Major Subjects.*—Each candidate must select some subject as his major. A major consists of courses amounting to 20 hours chosen from among those designated by a department and approved by the faculty of the college. Such courses are to be exclusive of those elementary or beginning courses which are open to freshmen, and inclusive of some distinctly advanced work. At least five hours of the work accepted for major must have been done in residence at this University and included within the maximum credits allowed in any one division. See the statements regarding majors under departmental announcements in Part III.

The subjects at present recognized as majors in this college are: Astronomy, bacteriology, botany, chemistry, classics, education, economics, English, entomology, French, geology, German, Greek, history, home economics, Latin, mathematics, philosophy, physiology, physics, political science, psychology, Romance languages, sociology, Spanish, zoology.

E. *Minor Subjects.*—Each candidate must offer, in addition to his major, a minor of 20 hours in one or more allied subjects designated by the major department and approved by the faculty of the college. *At least 8 hours must be offered in one subject.* See the statements regarding minors under departmental announcements in Part III.

F. *Elective Subjects.*—

1. Not more than 40 hours in any one subject may be counted for graduation, except: (a) in special curriculums approved by the faculty of the college; (b) when a student is writing a thesis, he may count, in addition to the 40 hours, the hours of the course in which he does his thesis work; (c) in the department of English a student may take 40 hours in addition to Rhetoric 1-2.

Note: The total credit in art and design is limited to 20 hours.

2. No credit is granted in any subject unless the student pursues it for the full time required in the shortest course offered in that subject. For example, if the student elects a course which yields two hours for one semester, he must stay in the class during the semester in order to get any credit at all. *In order to secure any credit in a beginning course in a foreign language, a full year's work must be completed.*

3. A limited amount of credit toward the degree of Bachelor of Arts is ordinarily given for courses offered in other colleges and schools of this University, as follows:

Electives in other Colleges and Schools

College of Agriculture:

Agronomy 9 (Soil Physics), 11 (Soil Biology), 12 (Soil Fertility), 22 (Plant Breeding).

Animal Husbandry 7 and 31 (Animal Nutrition), 30 (Genetics).

Dairy Husbandry 10 (General Dairy Bacteriology); 20 (Economic Problems of Dairy Farming).

Horticulture 9 (Forestry), 36 (History of Landscape Gardening), 37a (City Planning), 42 (Landscape Design).

The total credit allowed in agricultural courses may not exceed 14 hours, except that students taking their major work in entomology may take 20 hours in the above agricultural courses with the addition of Agronomy 7 and 25, and Horticulture 1a, ab, 2, 3, 6, and 7.

College of Commerce and Business Administration:

Accountancy 1a-1b (Principles of Accounting), 12a-12b (Government Accounting).

Business Organization 1 (Business Organization), 9 (Commercial and Civil Organizations); 10 (Newspaper Advertising).
 Business Law 1a-1b (Commercial Law—no credit given to students in the combined arts-law curriculum).

Economics, all courses.

Transportation 1 (U. S. Transportation System), 2 (Transportation Policy).

College of Education:

All courses in the department of Education (exclusive of courses in Industrial Education and in Athletic Coaching) except Education 50 and 51.

College of Engineering:

Architecture 13, 14, 15, 16 (History of Architecture), 31, 32, (Architectural Drawing).

Civil Engineering 27 and 28 (Surveying), 94 (Highway Administration). Drawing, General Engineering, 1 (Elements of Drafting), 2 (Descriptive Geometry), Electrical Engineering 4 and 64 or 8 and 68.

Mechanical Engineering 11, 12 (Thermodynamics), 30 (Mechanics of Machinery).

Mining Engineering 19 (Ore and Coal Preparation); 21 (Mining Examination and Valuation).

Mechanics, Theoretical and Applied, all courses.

The total credit allowed in engineering courses may not exceed 24 hours.

College of Law:

A student in the College of Liberal Arts and Sciences, who earns at least 30 hours in this college, may take a count towards the A.B. degree not to exceed 30 hours of work in the College of Law, provided that not less than two courses amounting to at least five hours are taken per semester, under the advice of the Dean of the College of Law as to the courses to be taken. *Courses in law may not be taken before the junior year by students enrolled in this college.*

Law 14 (Carriers), 24 (Municipal Corporations), and 34 (Public Utilities) are open to students of this college offering political science or economics as a major subject who have had a previous course in law or political science involving the study of cases.

Library School:

Library Science 2a-2b or 12 (Reference), 7 (History of Libraries), 9 (Book-making), 13a-13b (Public Documents).

School of Music:

The total credit allowed for courses in music may not exceed 16 hours. At least one-half the credit must be taken in courses in the history and theory of music (1-14 inclusive). Credit may be allowed in practical music for courses preceded by Music 3 and 4 and exclusive of courses open to freshmen to an amount not to exceed one-half of the total allowed any student. No credit will be allowed for courses in public school music.

Physical Education and Hygiene:

Not to exceed 5 semester hours for men and 8 semester hours for women.

Military Science and Tactics:

Military Science not to exceed 8 semester hours.

F. *Bachelors' Theses:* A bachelor's thesis is not generally required in this College. Students of high standing are, however, encouraged to write theses in connection with their major studies. Credit toward the degree is given for thesis work only as part of the work in some course for which the student is registered.

G. *Optional degree of Bachelor of Science:* Students who do major work in one of the subjects in Group IV or Group V or in Home Economics, and who have credit for 60 semester hours or more in these groups or in Home Economics, *on petition to and recommendation of the faculty of this College*, may be graduated with the degree of B.S. instead of A.B. Such a petition must be presented *not later than 10 days after the opening of the last semester or Summer Session preceding the granting of the degree.*

SUGGESTED CURRICULUM IN JOURNALISM

Students who are preparing for reportorial, literary, or editorial work in journalism should take their major work in English, and make up their study schedules from the following suggested curriculum. With the consent of the adviser, other studies may, for purposes of specialization, be substituted for those suggested. A program which satisfies the group and major requirements may, for instance, be so modified in the third and fourth years as to lay emphasis on any one of the social sciences.

Students in journalism with major in English are subject to the requirements of the General Curriculum in Liberal Arts and Sciences.

Suggested Curriculum in Journalism

(Major in English)

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
<i>Prescribed Subjects</i>		Hours ¹	<i>Prescribed Subjects</i>		Hours ¹
Rhet. 1—Rhetoric and Themes.....	3	Rhet. 2—Rhetoric and Themes.....	3		
Phys. Ed. 1 ² —Gymnasium and Hygiene ²	1	Phy. Ed. 2 ² —Gymnasium.....	1		
Military—Practical Instruction.....	1/2	Military—Practical Instruction.....	1/2		
Military—Theoretical Instruction.....	1/2	Military—Theoretical Instruction.....	1/2		
Total.....	5	Total.....	5		
<i>Suggested Electives</i>		<i>Suggested Electives</i>		<i>Suggested Electives</i>	
Engl. 10—Introduction to Literature.....	3	Engl. 11—Introduction to Literature.....	3		
Science.....	5	Science.....	5		
Foreign language.....	4	Foreign language.....	4		
Hist. 1a—Continental European History.....	4	Hist. 1b—Continental European History.....	4		
Lib. Sci. 12—General Reference.....	2				
SECOND YEAR		SECOND YEAR		SECOND YEAR	
<i>Prescribed Subjects</i>		<i>Prescribed Subjects</i>		<i>Prescribed Subjects</i>	
Military—Practical Instruction.....	1/2	Military—Practical Instruction.....	1/2		
Military—Theoretical Instruction.....	1/2	Military—Theoretical Instruction.....	1/2		
Phys. Ed. 8a—Practise (for Women).....	1	Phys. Ed. 8b—Practise (for Women).....	1		
<i>Suggested Electives</i>		<i>Suggested Electives</i>		<i>Suggested Electives</i>	
Engl. 1—Survey of English Literature.....	4	Engl. 1—Survey of English Literature.....	4		
Science.....	5	Econ. 3—Money and Banking.....	3		
Engl. 12—American literature.....	2	Engl. 23—Shakespeare; or English 13; American Literature.....	3 or 2		
Foreign language continued.....	4	Foreign language continued.....	4		
Hist. 3a—History of the United States.....	3	Hist. 3b—History of United States.....	3		
Pol. Sci. 1—American National Government.....	3	Journalism 2—The Newspaper.....	3		
Econ. 1—Principles of Economics.....	5	Pol. Sci. 3—State and Local Government.....	3		
Journalism 1—Collecting and Writing of News.....	3				
THIRD AND FOURTH YEARS					
Study lists for these years should be arranged from the following list with regard to proper sequence.					
Economics		Economics		Economics	
4—Financial History of U. S.....	3	12b—Labor Problems.....	3		
12a—Labor Problems.....	3	13—Economic History of Europe.....	3		
English		English		English	
27—History of Journalism.....	2	3—Milton.....	3		
21—Literary History of the Bible.....	3	5—Shakespeare.....	3		
45—Development of the Modern Drama.....	3	24—Victorian Period.....	3		
History		History		History	
21—The United States since 1877.....	3	28—Magazine in America.....	2		
26—History of Latin-American Colonies.....	3	52—Novelists of 19th Century.....	3		
Journalism		Journalism		Journalism	
3—Copy-reading and Head-writing.....	2	17—History of Illinois.....	2		
5—Problems of Reporting.....	2	27—Latin-America.....	3		
7—Making a Country Newspaper.....	2	29—Far East.....	3		
9—Editorials and Special Articles.....	3	Journalism			
Language.....		4—Make-Up and Editorial Practise.....	2		
	4	6—Newspaper Policies.....	2		
Philosophy		10—Editorials and Special Articles.....	3		
1—Logic.....	3	32—Law of the Press.....	2		
9—Political and Social Ethics.....	3	Language.....		4	
7—Ethics.....	3				
Political Science		Philosophy		Political Science	
5—Constitutional Law.....	3	2—Introduction to Philosophy.....	3		
4—Municipal Government.....	3	Political Science			
6—International Law.....	3	12—National Administration in U. S.....	3		
13—State Administration in the U. S.....	2	14—Political Parties and Methods.....	2		
Psychology		34—Municipal Problems.....	3		
1—Introduction to Psychology.....	4	Psychology			
Rhetoric		2—General Psychology.....	4		
6—Short Story Writing.....	3	Rhetoric			
Sociology		7—Short Story Writing.....	3		
1—Principles of Sociology.....	3	17—Advanced Composition.....	3		
		Sociology			
		9—Criminology.....	3		

¹Semester hours. For definition, see page 225.²Young women who elect this curriculum will take Physical Education 7a-7b, 8a-8b, and Hygiene 1, in place of these subjects.

CURRICULUM PRELIMINARY TO LAW

It is recognized by the best authorities on legal education that professional studies in law should be preceded by a thoro course in the humanities and the sciences. As a foundation for the study and practise of law, the following subjects offered by this College are of special importance: English, with special reference to composition and public speaking; Latin and French; logic; constitutional and political history; political science; economics; sociology

Suggested two-year Curriculum Preparatory to Law

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
	Hours ¹				Hours ¹
Foreign language.....	4	Foreign language.....		Foreign language.....	4
Hist. 2a—English History.....	3	Hist. 2b—English History.....		Hist. 2b—English History.....	3
Mathematics or science.....	5	Mathematics or Science.....		Mathematics or Science.....	3 or 5
Rhet. 1—Rhetoric and Themes.....	3	Rhet. 1—Rhetoric and Themes.....		Rhet. 1—Rhetoric and Themes.....	3
Phys. Ed. 1—Gymnasium, and Hygiene I.....	1	Phys. Ed. 2—Gymnasium.....		Phys. Ed. 2—Gymnasium.....	1
Military—Practical Instruction.....	$\frac{1}{2}$	Military—Practical Instruction.....		Military—Practical Instruction.....	$\frac{1}{2}$
Military—Theoretical Instruction.....	$\frac{1}{2}$	Military—Theoretical Instruction.....		Military—Theoretical Instruction.....	$\frac{1}{2}$
Total.....	17	Total.....		Total.....	15 or 17
SECOND YEAR					
Econ. 1—Principles of Economics.....	5	Econ. 3—Money and Banking.....		Econ. 3—Money and Banking.....	3
Hist 3a—History of the U. S.....	3	Engl. 20—Chief English Writers.....		Engl. 20—Chief English Writers.....	4
Mathematics or Science or Foreign Languages... 5 or 4		Hist. 3b—History of the U. S.....		Hist. 3b—History of the U. S.....	3
Pol. Sci. 1—American Government.....	3	Philos. 1—Logic.....		Philos. 1—Logic.....	3
Military—Practical Instruction.....	$\frac{1}{2}$	Pol. Sci. 3—State and Local Government... 3		Pol. Sci. 3—State and Local Government... 3	
Military—Theoretical Instruction.....	$\frac{1}{2}$	Military—Practical Instruction.....		Military—Practical Instruction.....	$\frac{1}{2}$
Total.....	17 or 16	Military—Theoretical Instruction.....		Military—Theoretical Instruction.....	$\frac{1}{2}$
		Total.....		Total.....	17

By the proper selection of his studies it is possible for a prospective law student to take both the degree in arts and the degree in law in six years. During his junior and senior years a student in the College of Liberal Arts and Sciences who has earned at least 30 hours in this college may take and count toward the degree of Bachelor of Arts not to exceed 30 hours of credit in law. *Students in this College are not permitted to begin this work in law until their junior year.*

The degree of Bachelor of Arts is conferred at the close of the fourth year of the combined course provided that the students have met all the requirements for the degree at that time, and have filed duplicate study lists in both colleges.

Students admitted to this University from other institutions may count the above courses in law for the degree of Bachelor of Arts only on condition of completing at least 30 hours' work in residence in subjects offered by the College of Liberal Arts and Sciences.

HOME ECONOMICS

The courses of instruction given in this department are planned to meet the needs of four classes of students: (a) those who desire a knowledge of the general principles and facts of home economics; (b) those who wish to make a specialty of home economics for the purpose of teaching the subject in secondary schools and colleges; (c) those who wish a knowledge of the principles underlying household administration and institutional management; (d) those who are interested in work in dietetics. Persons desiring to prepare themselves specially to teach Home Economics will transfer to the College of Education in the junior year.

Students who hold *scholarships in home economics* must make this subject their major along one of the lines indicated above and take each semester at least four hours in home economics or in subjects required for admission to courses in home economics.

Students whose major is home economics must also satisfy the requirements of the General Curriculum in the College of Liberal Arts and Sciences in so far as these are not covered in the courses given below, and should follow the directions for students in the General Curriculum, using the outlines below in connection with those directions.

¹Semester hours. For definition, see page 225.

Suggested Curriculum in Home Economics

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours
A. and D. 1—Freehand Drawing	3	Chem. 2a—Inorg. Chem. and Qual. Anal.	5
Chem. 1 or 1a—Inorganic Chemistry	5 or 3	Foreign language	4
Foreign language	4	Home Econ. 1 ^a —Sel. and Prep. of food	3
Hygiene 2—Hygiene (Women)	1	Rhet. 2—Rhetoric and Themes	3
Rhet. 1—Rhetoric and Themes	3	Phys. Ed. 7b—Practise	1
Phys. Ed. 7a—Practise	1		
Total	17 or 15	Total	16
<i>Elective</i>			
Lib. Sci. 12—General Reference	2		

SECOND YEAR

A. and D. 12—Applied Design	2	Chem. 9—Elem. Organic Chemistry	3
Bot. 1 or Zool. 1—Genl. Bot. or Zool.	5	Chem. 9c—Elem. Organic Chemistry	2
Eng. 1—Survey of English Literature	4	Eng. 2—Survey of English Literature	4
Home Econ. 6—Economic Uses of Foods	4	Home Econ. 7—Textiles	3
Phys. Ed. 8a—Practise	1	Physiol. 1—General Physiology	2
		Phys. Ed. 8b—Practise	1
Total	16	Total	15

THIRD YEAR

Chem. 13a—Elementary Quantitative Analysis	5	Bact. 5a—Introductory Bacteriology	2½
Home Econ. 19—Dress Design	3	Bact. 5b—Introductory Bacteriology	2½
Phys. 4—Physiology of Digestion	3	Econ. 2—Principles of Economics	3
Psych. 1—Introduction to Psychology	4	Educ. 25—Educational Psychology	3
Total	15	Home Econ. 5—Dietetics	3
<i>Electives</i>		Home Econ. 12—Clothing	3
Econ. 1—Principals of Economics	5	Total	17
Hist. 1a—Continental European History or		<i>Electives</i>	
Hist. 3a—History of the U. S.	4 or 3	Hist. 1b—Continental European History or	
		Hist. 3b—History of the U. S.	4 or 3

FOURTH YEAR

Home Econ. 2—Home Architecture	3	Educ. 6—Prin. of Secondary Education	3
Home Econ. 4—Food and Nutrition	5	Educ. 10—Technic of Teaching	3
Home Econ. 10—Organization and Management of Household	3	Home Econ. 3—Home Decoration	3
Home Econ. 13—Teachers' Course	3	Home Econ. 11—Teachers' Course	3
Home Econ. 34—Teachers' Course in Sewing	1	Home Econ. 20—Infant Nutrition	2
Total	15	Home Econ. 39—Nutrition	1
<i>Electives</i>		Total	15
Home Econ. 18—Lunch Room Management	5	<i>Electives</i>	
Philos. 1—Logic	3	Home Econ. 14—Practise House and Home Econ. 35—Exper. Cookery	6
Pub. Spk. 1—Oral Expression	2	Home Econ. 33—Diet in Disease	3
Sociol. 1—Principles of Sociology	3	Home Econ. 41—Problems in Nutrition	3-5
		Sociol. 7—Social Problems of the Rural Community	2
		Pub. Spk. 2—Extemporaneous Expression	2

Suggested Curriculum in Household Administration

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours
A. and D. 1—Freehand Drawing	3	Chem. 2a—Inorg. Chem. and Qual. Anal.	5
Chem. 1 or 1a ² —Inorganic Chemistry	5 or 3	Foreign Language	4
Foreign Language	4	Home Econ. 1 ^a —Sel. and Prep. of Food	3
Hyg. 2—Hygiene (Women)	1	Rhet. 2—Rhetoric and Themes	3
Rhet. 1—Rhetoric and Themes	3	Phys. Ed. 7b—Practise	1
Phys. Ed. 7a—Practise	1		
Total	17 or 15	Total	16
<i>Elective</i>		<i>Elective</i>	
Lib. Sci. 12—General Reference	2	Econ. 22—Economic History of the U. S.	3

¹Semester hours. For definition, see page 225.²Attention is called to the fact that high-school physics is a pre-requisite for Home Economics 1.

SECOND YEAR

A. and D. 12—Applied Design	2	Bot. 1—General Botany	5
Foreign Language or English 1	4	Foreign Language or English 2	4
Home Econ. 6—Economic Uses of Foods	4	Physiol. 4—Physiology of Digestion	3
Home Econ. 7—Textiles	3	Phys. Ed. 8b—Practise	1
Physiol. 1—General Physiology	2		
Phys. Ed. 8a—Practise	1	Total	13
Total	16	<i>Electives</i>	
Chem. 13a—Elementary Quantitative Analy.	5	Chem. 9—Elem. Organic Chemistry	3
Hist. 1a—Continental European History or		Chem. 9c—Elem. Organic Chemistry	2
Hist. 3a—History of the U. S.	4 or 3	Hist. 1b—Continental European History or	
		Hist. 3b—History of the U. S.	4 or 3

THIRD YEAR

Home Econ. 2—Home Architecture	3	Home Econ. 3—Home Decoration 3	3
Econ. 1—Principles of Economics	5	Home Econ. 10—Organization and Manage-	
Home Econ. 5—Dietetics	3	ment of the Household	3
Total	11	Home Econ. 19—Dress Design	3
<i>Electives</i>		Total	9
Bact. 5a—Introductory Bacteriology	2½	<i>Electives</i>	
Bacteriology 5b—Introductory Bacteriology..	2½	Philos. 1—Logic	3
English, advanced		Pol. Sci. 3—State and Local Government	3
Sociology 1—Principles of Sociology	3	Pol. Sci. 16.—Government of Illinois	2
Psch. 1—Introduction to Psychology	4		

FOURTH YEAR

Home Econ. 12—Clothing	3	<i>Electives</i>	
<i>Electives</i>		English, advanced	
Home Econ. 4—Food and Nutrition	5	Home Econ. 9—Problems in Extension	3
Home Econ. 13—Teachers' Course	3	Home Econ. 20—Infant Nutrition	2
Home Econ. 14—Practise Apartment and		Home Econ. 28—Organization and Manage-	
Home Econ. 35—Experimental Cookery	6	ment of the Household	2
Home Econ. 16—Lunch Room Management	5	Home Econ. 33—Diet in Disease	3
		Home Econ. 39—Nutrition	1

PRE-MEDICAL CURRICULUM

The requirements for admission to the College of Medicine are stated on page 69. The following suggested two-year pre-medical curriculum covers the entrance requirement of the College of Medicine and includes additional courses in science which it is considered desirable for prospective medical students to take. This course of study is recommended to students who enter the College of Liberal Arts and Sciences to prepare themselves for the study of medicine.

Suggested Pre-Medical Curriculum

FIRST YEAR

FIRST SEMESTER	Hours†	SECOND SEMESTER	Hours
Chem. 1—General Chemistry	5	Chem. 2a—Inorganic Chemistry	5
Math. 4—Trigonometry	2	Zool. 2—Vertebrate Zoology	5
Zool. 1—General Zoology	5	Rhet. 2—Rhetoric and Themes	3
Rhet. 1—Rhetoric and Themes	3	Phys. Ed. 2—Gymnasium	1
Phys. Ed. 1—Gymnasium, and Hygiene 1	1	Military—Practical Instruction	½
Military—Practical Instruction	½	Military—Theoretical Instruction	½
Military—Theoretical Instruction	½	Total	15
Total	17		

SECOND YEAR

Chem. 5a—Quantitative Analysis	5	Chem. 9, 9c—Organic Chemistry	5
French or German	4	French or German	4
Physics 7a—General Physics	2½	Physics 7b—General Physics	2½
Physics 8a—Laboratory	2½	Physics 8b—Laboratory	2½
Zool. 3—Microscopical Technics	3	Zool. 6—Vertebrate Organogeny	3
Military—Practical Instruction	½	Military—Practical Instruction	½
Military—Theoretical Instruction	½	Military—Theoretical Instruction	½
Total	18	Total	18

Suggested Curriculum in Economic Entomology

For students wishing to prepare for state or national service in economic entomology or as teachers of entomology in agricultural colleges or universities, the following curriculum has

†Semester hours. For definition, see page 225.

been arranged to include the entomological, agricultural, and horticultural courses most essential to the end in view, together with the required subjects and the group electives necessary for the degree of Bachelor of Arts.

The principal features of the prescribed part of this curriculum are 25 hours of entomology, 15 hours of other biological subjects, 17 hours of agriculture and horticulture, 10 hours of chemistry, and 46 hours of courses required for graduation, group electives, and other miscellaneous courses. Seventeen hours of free electives remain after the courses of this prescribed list are provided for.

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Rhet. 1—Rhetoric and Themes.....	3	Rhet. 2—Rhetoric and Themes.....	3
French 1a ² —Elementary French, or German 1—Elementary German.....	4	French 1b ² —Elementary French, or German 3—Narrative Prose.....	4
Ent. 1a or 1b—Elementary Entomology.....	3	Ent. 4—Introduction to Economic Entomology.....	3
Bot. 1—General Botany.....	5	Zool. 1—General Zoology.....	5
Military—Practical Instruction.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{1}{2}$
Military—Theoretical Instruction.....	$\frac{1}{2}$	Military—Theoretical Instruction.....	$\frac{1}{2}$
Hygiene 1—Phys. Ed. 1—Gymnasium.....	$\frac{1}{2}$	Phys. Ed. 2—Gymnasium.....	1
Total.....	17	Total.....	17

SECOND YEAR

Engl. 20—Chief English Writers of the Nineteenth Century.....	4	Ent. 2—General Entomology.....	3
Ent. 8a—Advanced Economic Entomology.....	3	Ent. 8b—Advanced Economic Entomology.....	3
Hort. 1a—Elements of Horticulture.....	2	Agon. 25—Farm Crops.....	4
Lib. Sci. 12—General Reference.....	2	Ag. Ext. 3—Agricultural Extension Teachings	1
Military—Practical Instruction.....	$\frac{1}{2}$	Hort. 1b—Elements of Horticulture.....	2
Military—Theoretical Instruction.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{1}{2}$
Total.....	12	Military—Theoretical Instruction.....	$\frac{1}{2}$
<i>Electives Recommended</i>		<i>Electives Recommended</i>	
German 4 ² —Prose Reading.....	4	German 6 ² —Scientific German.....	4
Zool. 16—Economic Ornithology.....	2	Ent. 16—Apiculture.....	2
Bot. 4d—Trees and Shrubs of the Campus.....	3	Zool. 4—Invertebrate Morphology.....	3
Geog. 14—Weather and Climate.....	3	Pub. Sp. 2—Extemporaneous Speaking.....	2
Pub. Sp. 1—Oral Expression.....	2	Total.....	14

THIRD YEAR

Hist. 3a—History of the United States.....	3	Hist. 3b—History of the United States.....	3
Psych. 1—Introduction to Psychology.....	4	Econ. 2—Principles of Economics.....	3
Chem. 1—Inorganic Chemistry.....	5	Chem. 2a—Inorganic Chemistry and Qualitative Analysis.....	5
Ent. 13—Insects and Disease.....	2	Ent. 7b—Systematic Entomology.....	5
Total.....	14	Total.....	16
<i>Electives Recommended</i>		<i>Electives Recommended</i>	
Pol. Sci. 1—American National Government.....	3	Pol. Sci. 3—State and Local Government.....	3
Econ. 1—Principles of Economics.....	5	Hist. 17—The History of Illinois.....	2
Bot. 23—Plant Ecology.....	3	Zool. 9—Animal Ecology.....	3
Photog. 1—The Principles and Practise of Photography.....	0	Photog. 2—The Principles and Practise of Photography.....	0
Ent. 7a—Systematic Entomology.....	5		
Ent. 14—Medical Entomology.....	2		
Phys. 4—General Physiology, Chemical and Experimental.....	5		

FOURTH YEAR

Bot. 7a—Plant Pathology.....	5	Philos. 1—Logic.....	3
Chem. 13a—Elementary Quantitative Analysis.....	5	Hort. 7—Spraying.....	3
Ent. 10a—Taxonomy of Immature Insects.....	3	Agon. 12—Soil Fertility, Fertilizers, and Rotations.....	5
Total.....	13	Total.....	11
<i>Electives Recommended</i>		<i>Electives Recommended</i>	
Ent. 18a—Insect Taxonomy.....	5	Ent. 18b—Insect Taxonomy.....	5
Ent. 6a—Thesis Investigation.....	5	Ent. 10b—Taxonomy of Immature Insects.....	3
Zool. 11—Experimental Ecology and Geography.....	2 or 4	Ent. 6b—Thesis Investigation.....	5
Bact. 5—Introductory Bacteriology.....	5	Math. 5—Heredity and Evolution.....	2
Math. 2—College Algebra.....	3	Math. 23—Averages, etc.....	3
		Philos. 9—Political and Social Ethics.....	3

¹Semester hours. For definition, see page 225.

²If the student has offered two units of French for entrance and has elected German 1 and German 2 in his freshman year, he should elect a second year of German at this time.

Curriculums in Chemistry and Chemical Engineering

Students who follow the general curriculum in the College of Liberal Arts and Sciences with Chemistry as a major subject are eligible for the degree of Bachelor of Arts.

For the more specialized training of the chemist, the following curriculums, largely prescribed, have been arranged. Each requires a maximum total of 136 hours and leads to the degree of Bachelor of Science.

Attention is called to the fact that the schedules for the first and second years in both chemistry and chemical engineering are the same.

Preliminary preparation in German or French equivalent to two years of high-school work or one year of university work is prescribed. The total language requirements for graduation including courses offered for entrance must be equivalent to two years of University German or French. Prospective students are advised to offer one unit to physics as a part of the electives of Group B.

Students registering either in the curriculum in chemistry or in the curriculum in chemical engineering must offer 1 unit of high-school chemistry and $\frac{1}{2}$ unit of advanced algebra for admission to these curriculums. University credit in Chemistry I (five hours) is acceptable in lieu of one unit of entrance chemistry.

FIRST YEAR, BOTH CURRICULUMS

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Chem. 1a—Inorganic Chemistry.....	3	Chem. 3a—Inorganic Chemistry and Qualitative Analysis.....	5
Math. 2—College Algebra.....	3	Math. 6a—Analytical Geometry.....	4
Math. 4—Plane Trigonometry.....	2	German or French.....	4
German or French.....	4	Rhet. 2—Rhetoric and Themes.....	3
Rhet. 1—Rhetoric and Themes.....	3	Phys. Ed. 2—Gymnasium.....	1
Phys. Ed. 1—Gymnasium.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{1}{2}$
Hyg.—Hygiene (Men).....	$\frac{1}{2}$	Military—Theoretical Instruction.....	$\frac{1}{2}$
Military—Practical Instruction.....	$\frac{1}{2}$		
Military—Theoretical Instruction.....	$\frac{1}{2}$		
Total.....	17	Total.....	18

SECOND YEAR, BOTH CURRICULUMS

Chem. 5a—Quantitative Analysis.....	5	Chem. 5b—Advanced Analytical Chemistry..	5
Math. 8a—Differential Calculus.....	3	Math. 8b—Integral Calculus.....	3
Phys. 1a—General Physics.....	3	Phys. 1b—General Physics.....	2
Phys. 3a—Physical Measurements.....	2	Phys. 3b—Physical Measurements.....	2
Geol. 20 ² —General Mineralogy or Hist. 3a or English 20.....	3 or 4	Engl. 20 ² or Hist. 3b or Geol. 20 ² or T. and A. M. 20 ³	3 or 4
Military—Practical Instruction.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{1}{2}$
Military—Theoretical Instruction.....	$\frac{1}{2}$	Military—Theoretical Instruction.....	$\frac{1}{2}$
Total.....	17 or 18	Total.....	16 or 17

CURRICULUM IN CHEMISTRY, THIRD AND FOURTH YEARS

In the following schedule of courses, after the second year there are offered certain prescribed subjects required of all students and in addition five group options, the last four of which are outlined for the purpose of affording systematic training along certain important lines of applied chemistry. The first option, A, is intended for those students who wish to place chief emphasis on the fundamental branches of chemistry as a science and for those students who desire a combination of subjects not outlined in the other four groups. Students in option A must submit to their adviser at the beginning of the junior year an outline of their proposed program for the junior and senior years. Approval of such an outline must be secured from the adviser before registering. At least 12 hours of the electives under option A must be in Chemistry, and it is recommended that they be selected as far as possible from more advanced courses in inorganic, analytical, organic, and physical chemistry. In all groups in the junior and senior years the subjects to be taken outside of the department, including electives, must amount to at least ten hours including a course in the theory of economics. Students who have presented German for entrance should take French 1a and 1b among the electives of the junior year; those who have offered French should take German 1 and 3.

The groups provided for, with the letter used to designate each group, are as follows:

- | | |
|--------------------|------------------------|
| A. General | D. Food and Sanitation |
| B. Electrochemical | E. Physiological |
| C. Industrial | F. Sanitation |

¹Semester hours. For definition, see page 225.

²Geology 20 must be taken either in the first or second semester.

³T. and A. M. 20 required for curriculum for Chemical Engineers.

THIRD YEAR

<i>Prescribed for all Groups</i>	
Chem. 14a—Organic Chemistry.....	3
Chem. 14c—Organic Synthesis.....	2
Chem. 92a—Journal Meeting.....	1
Chem. 31—Physical Chemistry.....	3
Chem. 33—Phys. Chem. Lab.....	2
Total.....	11
<i>Group Options</i>	
A ¹ —General Electives.....	8
B—Electrochemical	
E. E. 8—Electric Currents and Apparatus	3
E. E. 68—Electrical Engineering Laboratory.....	1
Electives.....	4
C—Industrial	
E. E. 8—Electric Currents and Apparatus	3
E. E. 68—Electrical Engineering Laboratory.....	1
Electives.....	4
D, E, and F—Food, Physiological, and Sanitation Bact. 5—Introductory Bacteriology	5
Electives.....	3

<i>Prescribed for all Groups</i>	
Chem. 14b—Organic Chemistry.....	3
Chem. 14d—Organic Synthesis.....	2
Chem. 92b—Journal Meeting.....	1
Chem. 90—Inspection Trip.....	2
Econ. 2—Principles of Economics.....	3
Chem. 65—Gas and Fuel Analysis.....	3
Total.....	12

<i>Group Options</i>	
A—General Electives.....	4
B—Electrochemical, Electives.....	4
C—Industrial, Electives.....	4
D and E—Food and Physiological, Electives..	4
F. Sanitation	
Chemistry 10a.....	3

FOURTH YEAR

<i>Prescribed for all Groups</i>	
Chem. 11a—Thesis or Approved Chem. Elec. ²	5
Chem. 93a—Journal Meeting.....	1
Chem. 95—History of Chemistry.....	2
Total.....	8
<i>Group Options</i>	
A ¹ —General Electives.....	9
B—Electrochemical	
Chem. 35—Electrochemistry.....	3
Chem. 37—Experimental Prob. in Physical and Electrochemistry.....	4
Phys. 4a—Electrical and Magnetic Measurements.....	2
C—Industrial	
Chem. 7—Metallurgy.....	3
Chem. 35—Electrochemistry.....	3
Chem. 69—Met. Lab. and Assaying.....	2
Electives.....	1
D—Food	
Chem. 25—Food analysis.....	5
Chem. 21—Qual. Organic Analysis.....	2
Electives.....	2
E—Physiological	
Chem. 15—Physiological Chem.....	5
Chem. 21—Qual. Organic Analysis.....	2
Electives.....	2
F—Sanitation	
Chemistry 110.....	3
Electives.....	8

<i>Prescribed for all Groups</i>	
Chem. 6—Chemical Technology.....	3
Chem. 11b—Thesis or approved Chem. Elec ²	5
Chem. 93b—Journal meeting.....	1
Chem. 91—Inspection Trip.....	0
Total.....	9

<i>Group Options</i>	
A—General, Electives.....	8
B—Electrochemical, Electives.....	8
C—Industrial	
Chem. 61—Industrial Laboratory.....	3
Chem. 78.....	2
Electives.....	3
D—Food	
Chem. 26—Pharmaceutical Chemistry.....	3
Electives.....	5
E—Physiological	
Chem. 15a.....	2
Electives.....	6
F—Sanitation	
Electives.....	8

CURRICULUM IN CHEMICAL ENGINEERING, THIRD AND FOURTH YEARS

The work of the technical chemist or superintendent is frequently so closely associated with mechanical and other engineering lines as to make a knowledge of these subjects essential. To meet these conditions, the following four-year curriculum in chemistry and related engineering subjects has been arranged. The degree given is that of Bachelor of Science in chemical engineering.

It is advised that students intending to take this curriculum be prepared to offer two units of Manual Training, including mechanical drawing, for entrance or arrange to take equivalent courses in the University.

¹12 hours of the total electives of the third and fourth years, Group Option A must be in chemistry; 10 hours must be taken outside of the Department.

²Subject to the approval of the departmental committee on undergraduate theses.

THIRD YEAR

Chemistry 14a—Organic Chemistry.....	3	Chemistry 14b—Organic Chemistry.....	3
Chemistry 14c—Organic Synthesis.....	2	Chemistry 14d—Organic Synthesis.....	2
Chemistry 92a—Journal Meeting.....	1	Chemistry 31—Physical Chemistry.....	2
E. E. 8—Electrical Currents and Apparatus..	3	Chemistry 33—Physical Chem. Laboratory...	3
E. E. 68—Electrical Engineering Laboratory..	1	Chemistry 92b—Journal Meeting.....	1
T. and A. M. 25—Resistance of Materials....	4	Chemistry 6—Chemical Technology.....	3
Chemistry 65—Gas and Fuel Analysis.....	3	Chemistry 90—Inspection Trip.....	0
		Chemistry 61—Industrial Chemistry Lab....	3
		or	
		Chemistry 10a—Water Chemistry.....	3
Total.....	17	Total.....	17

FOURTH YEAR

Chemistry 7a—Metallurgy of Iron and Steel..	3	Chemistry 11b—Thesis or App'd. Chem. Elec ¹	6
Chemistry 11a—Thesis or App'd. Chem. Elec ¹	3	Chemistry 93b—Journal Meeting.....	1
Chemistry 35—Electrochemistry.....	3	M. E. 61, 62, or 64—Mechanical Engineering	
Chemistry 69—Assaying.....	2	Laboratory or Cer. Eng. 20, G. E. D. 2.....	2 or 3
Chemistry 93—Journal Meeting.....	1	Chemistry 91—Inspection Trip.....	0
M. E. 1, 2, or 3—Steam Engineering or Cer.		Electives.....	8 or 9
Eng. I, G. E. D. I, M. E. II.....	3		
Electives.....	2		
Total.....	17	Total.....	17 or 18

CURRICULUM IN PHARMACEUTICAL CHEMISTRY

For the benefit of students who are graduates of recognized colleges of pharmacy a new option in pharmaceutical chemistry leading to the degree of Bachelor of Science in Chemistry is offered.

The credits to be allowed on transfer are based on the curriculum of the University of Illinois School of Pharmacy.

For entrance to the School of Pharmacy fifteen units of high-school work are required. For the degree of Graduate in Pharmacy, the students attend for two years of thirty-six weeks each. The course of study is the equivalent of fifty-eight university hours. For the degree of Pharmaceutical Chemist, an additional year of thirty-six weeks is taken and the course of study for this year is equivalent to twenty-five university hours.

The following option in pharmaceutical chemistry leads to the degree of B.S. in Chemistry.

1. Persons holding the degree of Graduate of Pharmacy from a college of pharmacy holding membership in the American Conference of Pharmaceutical Faculties, who can present fifteen units of high school work for entrance, will be allowed forty hours of university credit in the chemistry curriculum.

2. In addition to the forty hours of credit in order to take up the work of the third year a student must offer the following subjects from the University of Illinois or elsewhere:

College Algebra.....	3 hours
Trigonometry.....	2 hours
Analytical Geometry.....	4 hours
Calculus.....	6 hours
Physics.....	9 hours
Rhetoric and Composition.....	6 hours
French or German (preceded by two units entrance credit in the same language).....	8 hours
Total.....	38 hours

Such students will have junior standing.

3. The work of the junior and senior years should include the following courses:

Chemistry 14b, Advanced Organic Chemistry Lectures.....	3 hours
Chemistry 14c and 14d, Organic Preparations.....	4 hours
Chemistry 5b, Advanced Quantitative Analysis.....	5 hours
Chemistry 31, Physical Chemistry.....	2 hours
Chemistry 33, Physico Chemical Measurements.....	2 hours
Chemistry 95, History of Chemistry.....	3 hours
Chemistry 6, Industrial Chemistry.....	3 hours
Chemistry 92a, 92b, 93b, Journal Meeting.....	4 hours
Chemistry 11a, 11b, Thesis or App'd. Chem. Elec ¹	10 hours
Electives in Chemistry.....	12 hours
Non-chemical electives.....	5 hours
Military Training and Physical Education or electives.....	6 hours

Total.....58 hours

Students holding the degree of Pharmaceutical Chemist will be allowed eighteen hours of advanced standing in lieu of the eighteen hours chemical and non-chemical electives of the last two years.

¹Subject to the approval of the departmental committee on undergraduate theses.

THE COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

For a description of the *building* used by this College, see page 48; for *museum and collections* belonging to it, see page 57; for *societies and clubs* auxiliary to its curriculums, see page 94; for *fees* see page 102.

ORGANIZATION

The College of Commerce and Business Administration was established by the Board of Trustees in April, 1915, and opened the following September. The new college was given control of all the work formerly conducted by the Department of Economics, including the courses in business administration. The work of the college is divided into three separate departments as follows: economics, including finance and statistics; business organization and operation, including accountancy and business law; and transportation.

PURPOSE

The purpose of the College of Commerce and Business Administration is to give its students a knowledge of the principles underlying all lines of business with special training for particular business callings. The College does not attempt to prepare students for clerical and similar occupations as employees, but does endeavor to lay a broad foundation on which successful careers in managerial and administrative positions and as proprietors may be built. To this end courses in economics, accountancy, business organization and operation, banking, commerce, railway administration, and industry are offered in combination with courses in language and literature, the social sciences, law, mathematics, and the natural sciences.

ADMISSION

See the statement of the entrance requirements of the University, pages 62-80.

SPECIAL STUDENTS

See the statement of the general regulations of the University in regard to special students, page 66.

REQUIREMENTS FOR GRADUATION

Students who graduate from the College of Commerce and Business Administration are awarded the degree of Bachelor of Science. The requirements for graduation are as follows:

1. *University requirements.* A candidate must comply with the University requirements as to residence and registration, and secure credit amounting to 130 hours, including credit in the following subjects prescribed by general University regulations for all students: *Rhetoric 1-2*, 6 hours; and *Physical Education 1, 2*, and *Hygiene 1*, 2 hours, for men, and *7a-7b* and *Hygiene 2*, 3 hours, for women; and *Military Science*, 4 semesters, 4 hours, for men. Students who elect the Reserve Officers' Training Corps must also take *Military Science*, 4 additional semesters, 4 hours.

2. *Study Methods.* All freshmen students are required to attend the lecture course on study methods during the first semester. The class meets once a week on Tuesday, at 2 p. m. in the University Auditorium.

3. *Prescribed Subjects.* A candidate must also secure credit in the other subjects listed as *prescribed* in his chosen curriculum.

4. *Language Group.* Of the electives allowed, 8 hours must be either in English literature or in foreign language in all curriculums, but prescribed courses in either of these subjects may be counted in meeting this requirement.

5. *Social Science Group.* Twelve hours of the electives allowed must be chosen from the following group of subjects: *History, political science, philosophy, psychology, and sociology*, provided that *not less than six hours* in any one subject may be counted in fulfilling this requirement; but prescribed courses in any of these subjects may be counted in meeting the requirement.

This requirement (5) applies to curriculums in:
 General Business
 Banking
 Insurance
 Accountancy
 Railway Administration
 Commerce and Law
 Commercial and Civic Secretaries

This requirement (5) does not apply to curriculums in:
 Railway Transportation
 Commercial Teachers
 Foreign Commerce
 Industrial Administration

6. *Science Group.* In all curriculums *ten hours* of the electives allowed must be chosen from the following groups of subjects: *Chemistry, mathematics*, (Math. 22 and Math. 23 excepted) and *physics*, provided that *not less than 5 hours* in any one subject may be counted in fulfilling this requirement; but prescribed courses in any of these subjects may be counted in meeting the requirement.

7. *Free Electives Group.* Free electives sufficient to make the 130 hours required for graduation may be selected from any department of the University. Such electives must, however, be chosen with a view to *promoting the specific object* of the curriculum pursued and must have the approval of the Dean of the College.

THE CURRICULUMS

The curriculums in commerce and business administration are: General business, commercial and civic secretarial service, banking, insurance, accountancy, general railway administration, railway transportation, commercial teaching, foreign commerce, industrial administration, and commerce and law. The subjects prescribed for graduation in each curriculum are listed in the following outlines. These subjects are in general arranged in sequence and should be taken in the order given.

In addition to the prescribed subjects sufficient electives must be taken each semester to make up a minimum of 15 hours, but not to exceed a maximum of 18 hours of work. In choosing electives the attention of students is called to provisions 4, 5, and 6 of the above statement of the requirements for graduation. It is advisable that the electives there mentioned be taken as far as possible in the *first two years* in order to leave more opportunity for free electives in the last two years.

General Business Curriculum

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Study Methods (Auditorium, Tu. 2).....	0	Acc'y 1b—Principles of Accounting.....	3
Acc'y 1a—Principles of Accounting.....	3	Econ. 22—Economic History of the United States.....	3
Econ. 26—Economic Resources.....	3	Rhet. 2—Rhetoric and Themes.....	3
Rhet. 1—Rhetoric and Themes.....	3	Phys. Ed. 2—Gymnasium.....	1
Phys. Ed. 1—Gymnasium.....	1½	Military—Practical Instruction.....	½
Hygiene 1.....	½	Military—Theoretical Instruction.....	½
Military—Practical Instruction.....	½	Electives.....	4-7
Military—Theoretical Instruction.....	½		
Electives.....	4-7		
Total.....	15-18	Total.....	15-18

SECOND YEAR

Acc'y 2a—Advanced Accounting and Auditing.....	3	Acc'y 2b—Advanced Accounting and Auditing.....	3
Econ. 1—Principles of Economics.....	5	Econ. 3—Money and Banking.....	3
Military—Practical Instruction.....	½	Bus. Org. and Op. 1.....	3
Military—Theoretical Instruction.....	½	Rhet. 10.....	2
Electives.....	6-9	Military—Practical Instruction.....	½
		Military—Theoretical Instruction.....	½
		Electives.....	3-6
Total.....	15-18	Total.....	15-18

THIRD YEAR

Bus. Org. and Op. 2.....	3	Bus. Law 1b—Commercial Law.....	3
Bus. Law 1a—Commercial Law.....	3	Econ. 10—Corporation Management and Finance.....	3
Econ. 28—Domestic Commerce.....	3	Trans. 12—Freight Shipment.....	2
Trans. 1—Transportation System of the United States.....	3	Electives.....	7-10
Electives.....	3-6		
Total.....	15-18	Total.....	15-18

¹Semester hours. For definition, see page 225.

FOURTH YEAR

Bus. Org. and Op. 7—Salesmanship.....	2	Bus. Org. and Op. 8—Advertising.....	2
Econ. 5, or Econ. 41, or Econ. 61.....	3	Econ. 42, or Econ. 24, or Econ. 29.....	3
Electives.....	10-13	Electives.....	10-13
Total.....	15-18	Total.....	15-18

Curriculum for Commercial and Civic Secretaries

FIRST YEAR

Same as General Business

SECOND YEAR

Pol. Sci. 1—State gov't.....	3	Rhet. 10—Letters.....	2
Psych. 1—Principles.....	4	Psych. 2—Principles.....	4

Otherwise same as General Business

THIRD YEAR

FIRST SEMESTER

Hours¹

Bus. Org. and Op. 2—Business Organization and Operation.....	3
Econ. 28—Domestic Commerce.....	3
Pol. Sci. 4—Municipal gov't.....	3
Sociol. 8—Charities.....	3
Trans. 1.....	3
Electives.....	0-3
Total.....	15-18

SECOND SEMESTER

Hours¹

Econ. 10—Corporation Management and Finance.....	3
Trans. 12—Freight Shipment.....	2
Electives.....	10-13
Total.....	15-18

FOURTH YEAR

Bus. Law 1a—Commercial Law.....	3	Bus. Law 1b—Commercial Law.....	3
Econ. 51, Econ. 41, or Econ. 43.....	3	Bus. Org. and Op. 8—Advertising.....	2
Hort. 37a—City planning.....	3	Hort. 37b—City planning.....	3
Bus. Org. and Op. 9.....	2	Hort. 10b—Town Improvement.....	2
Electives.....	4-7	Electives.....	5-8
Total.....	15-18	Total.....	15-18

Curriculum in Banking

The first and second years are the same as in the General Business Curriculum except that Mathematics 2—College Algebra (3)—is prescribed in the first semester of the first year.

THIRD YEAR

FIRST SEMESTER

Bus. Org. and Op. 2—Business Organization and Operation.....	3
Bus. Law 1a—Commercial Law.....	3
Econ. 51—Public Finance.....	3
Econ. 28—Domestic Commerce.....	3
Electives.....	3-6
Total.....	15-18

SECOND SEMESTER

Bus. Law 1b—Commercial Law.....	3
Econ. 10—Corporation Management and Finance.....	3
Math. 23—Mathematics of Investment.....	3
Electives.....	6-9
Total.....	15-18

FOURTH YEAR

Econ. 9—Practical Banking.....	2	Econ. 8—The Money Market.....	2
Electives.....	13-16	Econ. 36—Investments.....	2
Total.....	15-18	Electives.....	11-14
		Total.....	15-18

Curriculum in Insurance

FIRST YEAR

FIRST SEMESTER

Required Subjects

ath. 2 or 3—Algebra.....	3 or 5
Math. 4—Trigonometry.....	2

SECOND SEMESTER

Required Subjects

Math. 6—Analytics.....	5
------------------------	---

Otherwise same as general business

¹Semester hours. For definition, see page 225.

SECOND YEAR

Math. 8a—Calculus.....	3	Math. 8b—Calculus.....	3
		Rhet. 10—Letters.....	2
Otherwise same as general business			

THIRD YEAR

Bus. Law 1a—Com. Law.....	3	Bus. Law 1b—Com. Law.....	3
Bus. Org. and Op.....	3	Econ. 10—Corp. Finance.....	3
Econ. 51—Pub. Finance.....	3	Math. 23—Math of Investments.....	3
Econ. 28—Domestic Com.....	3	Electives.....	6-9
	<u>3-6</u>		
Total.....	15-18	Total.....	15-18

FOURTH YEAR

Bus. Org and Op 7—Salesmanship.....	2	Bus. Org. and Op. 8—Advertising.....	2
Econ. 55—Insurance.....	2	Econ. 56—Insurance.....	2
Math. 30—Actuarial Math.....	3	Math. 31—Actuarial Math.....	3
Electives.....	8-11	Electives.....	8-11
	<u>8-11</u>		<u>8-11</u>
Total.....	15-18	Total.....	15-18

Curriculum in Accountancy

The first and second years are the same as in the General Business Curriculum except that Mathematics 2 —College Algebra (3)—is prescribed in the first semester of the first year.

THIRD YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Acc'y. 3a—Advanced Accounting.....	3	Acc'y. 3b—Auditing.....	3
Bus. Org. and Op. 2—Mercantile Distribution	3	Econ. 10—Corporation Management and	
Econ. 28—Domestic Commerce.....	3	Finance.....	3
Electives.....	6-9	Math. 23—Mathematics of Investment.....	3
	<u>6-9</u>	Electives.....	4-7
Total.....	15-18	Total.....	15-18

FOURTH YEAR

Acc'y 5a—C. P. A. Problems.....	3	Acc'y 5b—C. P. A. Problems.....	3
Acc'y 4a—Cost Accounting.....	2	Acc'y 4b—Systems.....	2
Econ. 11—Industrial Consolidations.....	2	Acc'y 20—Income Tax.....	2
Bus. Law 1a—Commercial Law.....	3	Bus. Law 1b—Commercial Law.....	3
Electives.....	5-8	Electives.....	5-8
	<u>5-8</u>		<u>5-8</u>
Total.....	15-18	Total.....	15-18

Curriculum in Railway Administration

The first year of this curriculum is the same as the first year of the Curriculum in Insurance.

SECOND YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours
Acc'y 2a—Advanced Accounting and Auditing	3	Acc'y 2b—Advanced Accounting and Auditing	3
Econ. 1—Principles of Economics.....	5	Econ. 3—Money and Banking.....	3
Rhet. 10—Business Writing.....	2	Trans. 12—Freight Shipment.....	2
Trans. 7—Railway Organization.....	2	Military—Practical Instruction.....	1½
Military—Practical Instruction.....	1½	Military—Theoretical Instruction.....	1½
Military—Theoretical Instruction.....	½	Bus. Org. and Op. 1.....	3
Electives.....	2-5	Electives.....	3-6
	<u>2-5</u>		<u>3-6</u>
Total.....	15-18	Total.....	15-18

THIRD YEAR

Bus. Law 1a—Commercial Law.....	3	Bus. Law 1b—Commercial Law.....	3
Trans. 1—Transportation System of the United States.....	3	Trans. 2—Transportation Policy in Europe and the United States.....	3
Trans. 13—Railway Traffic Administration or		Trans. 22—Railway Train Service or	
Trans 17—Railway Terminal Management..	3	Trans 26—Economics of Railway Location and Maintenance.....	3
Electives.....	6-9	Electives.....	6-9
	<u>6-9</u>		<u>6-9</u>
Total.....	15-18	Total.....	15-18

¹Semester hours. For definition, see page 225.

FOURTH YEAR

Econ. 41—Labor Problems.....	3	Econ. 10—Corporation Management and Finance.....	3
Econ. 28—Domestic Commerce.....	3	Econ. 42—Labor Legislation.....	3
Trans 17—Railway Terminal Management or Trans 13—Railway Traffic Administration...	3	Trans. 26—Economics of Railway Locations and Maintenance or	
Electives.....	6-9	Trans. 22—Railway Train Service.....	3
		Electives.....	6-9
Total.....	15-18	Total.....	15-18

Curriculum in Railway Transportation

A curriculum designed for those planning to enter the transportation department of the railways.

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Study Methods (Auditorium Tu. 2).....	0	Acc'y 1b—Principles of Accounting.....	3
Acc'y 1a—Principles of Accounting.....	3	G. E. D. 2—Descriptive Geometry.....	4
G. E. D. 1—Elements of Drafting.....	4	Rhet. 2—Rhetoric and Themes.....	3
Math. 2—Advanced Algebra.....	3	Math. 6—Analytic Geometry.....	5
Math. 4—Trigonometry.....	2	Phys. Ed. 2—Gymnasium.....	1
Rhet. 1—Rhetoric and Themes.....	3	Military—Practical Instruction.....	1/2
Phys. Ed. 1—Gymnasium.....	1/2	Military—Theoretical Instruction.....	1/2
Hygiene 1.....	1/2	Electives.....	0-1
Military—Practical Instruction.....	1/2		
Military—Theoretical Training.....	1/2		
Electives.....	0-1		
Total.....	17-18	Total.....	18

SECOND YEAR

Econ. 1—Principles of Economics.....	5	Econ. 3—Money and Banking.....	3
Math. 8a—Differential and Integral Calculus.	3	Math 8b—Differential and Integral Calculus.	3
Physics 1a—General Physics.....	3	Physics 1b—General Physics.....	2
Physics 3a—Physical Measurements.....	2	Physics 3b—Physical Measurements.....	2
Trans. 7—Railway Organization.....	2	Bus Org. and Op. 1.....	3
Military—Practical Instruction.....	1/2	T. and A. M. 20—Analytical Mechanics.....	3
Military—Theoretical Instruction.....	1/2	Military—Practical Instruction.....	1/2
Rhet. 10—Letters.....	2	Military—Theoretical Instruction.....	1/2
		Electives.....	0-1
Total.....	16-18	Total.....	18

THIRD YEAR

Bus. Law 1a—Commercial Law.....	3	Bus. Law 1b—Commercial Law.....	3
Trans. 1—Transportation System of the United States.....	3	C. E. 76—Surveying.....	2
Trans. 13—Railway Traffic Administration or Trans. 17—Railway Terminal Management ..	3	M. E. 2—Steam Engineering.....	3
Electives.....	3-6	Trans. 2—Transportation Policy in Europe and the United States, or	
		Trans. 22—Railway Train Service or	
		Trans. 26—Economics of Railway Location and Maintenance.....	3
		Trans. 12—Freight Shipment.....	2
		Electives.....	2-5
Total.....	15-18	Total.....	15-18

FOURTH YEAR

Econ. 41—Labor Problems.....	3	E. E. 12—Alternating Current Apparatus....	3
E. E. 11—Direct Current Apparatus.....	3	E. E. 62—Alternating Current Laboratory... ..	1
E. E. 61—Direct Current Laboratory.....	1	Econ. 10—Corporation Management and Finance or	
M. E. 61—Power Measurement.....	2	Econ. 42—Labor Problems.....	3
Trans. 17—Railway Terminal Management or Trans. 13—Railway Traffic Administration ..	3	Trans. 26—Economics of Railway Location and Maintenance or	
Electives.....	3-6	Trans. 22—Railway Train Service.....	3
		Electives.....	5-8
Total.....	15-18	Total.....	15-18

Curriculum for Commercial Teachers

The first and second years are the same as in the General Business Curriculum except that foreign language is prescribed in the first year, Psychology 1—Introduction to Psychology (4), and Psychology 2—General Psychology (4)—in the second year.

¹Semester hours. For definition, see page 225.

THIRD YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Educ. 25—Educational Psych.	3	Econ. 10—Corporation Management and Finance	3
Pol. Sci. 1—American Government	3	Educ. 25—Educational Psych.	3
Trans. 1—Transportation System of the United States	3	Pol. Sci. 3—State and Local Government	3
Electives	3-6	Trans. 12—Freight Shipment	2
		Electives	2-4
Total	16-18	Total	15-18

FOURTH YEAR

Bus. Org. and Op. 7—Salesmanship	2	Bus. Org. and Op. 8—Advertising	2
Econ. 28—Domestic Commerce	3	Econ. 29—Foreign Commerce or	
Educ. 6—Principles	3	Econ. 31—Organization of Foreign Commerce	3
Educ. 10—Technique	3	Educ. 10—Technique	3
Electives	4-7	Educ. 6—Principles	3
		Electives	4-7
Total	15-18	Total	15-18

Curriculum in Foreign Commerce

The first and second years of this curriculum are the same as in the General Business Curriculum except that foreign language is prescribed throughout both years.

THIRD YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours
Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Bus. Org. and Op. 2—Mercantile Distribution	3	Econ. 29—Foreign Commerce	3
Econ. 28—Domestic Commerce	3	Econ. 10—Corporation Management and Finance	3
Foreign Language	2 or 3	Foreign Language	2 or 3
Hist. 3a—History of the United States	3	Hist. 3b—History of the United States	3
Trans. 1—Trans. System of the United States	3	Trans. 12—Freight Shipment	2
		Electives	0-1
Total	15-18	Total	17-18

FOURTH YEAR

Bus. Org. and Op. 7—Salesmanship	2	Econ. 8—The Money Market	3
Advanced History	3	Econ. 31—Organization of Foreign Commerce	3
Pol. Sci. 6—International Law	3	Econ. 24—Economic Hist.	3
Electives	7-10	Advanced History	3
		Electives	3-6
Total	15-18	Total	15-18

Curriculum in Industrial Administration

The following curriculum is intended to meet the needs of commerce students planning to enter the administrative or selling departments of industrial plants. To the usual courses in economics, accounting, etc., are added certain groups of technical courses offered by other colleges of the University. For the present four such groups have been arranged, as follows: Group A, for those interested in the machine industries; Group B, the electrical industries; Group C, the building trades; Group D, the chemical industries. The student may select the one of these groups that will be most advantageous to him in his future work, but he is required to take all the courses listed in the chosen group.

A student electing the chemical industries group is required to take Econ. 26—Economic Resources (3) and Econ. 22—Economic History of the United States (3), instead of G. E. D. 1—Elements of Drafting (4) and G. E. D. 2—Descriptive Geometry (4), in the first year; and Chem. 1 or 1a—Inorganic Chemistry (5 or 3), and T. and A. M. 20—Analytical Mechanics (3), in the second year.

One year of Foreign Language or English Literature must be included among the electives.

¹Semester hours. For definition, see page 225.

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Study Methods—(Auditorium Tu. 2).....	0	Acc'y 1b—Principles of Accounting.....	3
Acc'y 1a—Principles of Accounting.....	3	G. E. D. 2—Descriptive Geometry.....	4
G. E. D. 1—Elements of Drafting.....	4	Math. 6—Analytic Geometry.....	5
Math. 2—College Algebra.....	3	Rhet. 2—Rhetoric and Themes.....	3
Math. 4—Trigonometry.....	2	Phys. Ed. 2—Gymnasium.....	1
Rhet. 1—Rhetoric and Themes.....	3	Military—Practical Instruction.....	1½
Phys. Ed. 1—Gymnasium.....	½	Military—Theoretical Instruction.....	1½
Hygiene 1.....	½	Electives.....	0-1
Military—Practical Instruction.....	½		
Military—Theoretical Instruction.....	½		
Electives.....	0-1		
Total.....	17-18	Total.....	17-18

SECOND YEAR

Econ. 1—Principles of Economics.....	5	Econ. 3—Money and Banking.....	3
Math. 8a—Differential and Integral Calculus.	3	Math. 8b—Differential and Integral Calculus.	3
Phys. 1a—General Physics.....	3	Phys. 1b—General Physics.....	2
Phys. 3a—Physical Measurements.....	2	Phys. 3b—Physical Measurements.....	2
Acc'y 2a—Factory Accounting.....	3	Rhet. 10—Letters.....	2
Military—Practical Instruction.....	½	T. and A. M. 20—Analytical Mechanics.....	3
Military—Theoretical Instruction.....	½	Bus. Org. and Op. 1.....	3
Electives.....	0-1	Military—Practical Instruction.....	1½
		Military—Theoretical Instruction.....	1½
Total.....	17-18	Total.....	19

THIRD YEAR

Bus. Org. and Op. 2—Mercantile Distribution..	3	Bus. Law 2b—Commercial Law.....	3
Bus. Law 1a—Commercial Law.....	3	Trans. 12—Freight Rates.....	2
Trans. 1—Transportation System of the United States.....	3	Prescribed Technical Courses, Group A, B, C, or D.....	3-6
Prescribed Technical courses, Group A, B, C, or D.....	2-6	Electives.....	7
Electives.....	1-4		
Total.....	15-18	Total.....	16-18

FOURTH YEAR

Bus. Org. and Op. 7—Salesmanship.....	2	Bus. Org. and Op. 8—Advertising.....	2
Econ. 13—Personnel Admin.....	3	Econ. 10—Corporation Management and Finance.....	3
Prescribed Technical Courses, Group A, B, C, or D.....	3-9	Prescribed Technical Courses, Group A, B, C, or D.....	2-10
Electives.....	0-7	Electives.....	0-11
Total.....	16-18	Total.....	17-18

Optional Groups of Technical Courses

GROUP A—Machine Industries:

THIRD YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
T. and A. M. 21—Analytical Mechanics.....	2	M. E. 75—Forge Work.....	1
		M. E. 77—Foundry Work.....	3
		M. E. 2—Steam Engineering.....	3

FOURTH YEAR

FIRST SEMESTER		SECOND SEMESTER ¹	
M. E. 61—Power Management.....	2	E. E. 12—Alternating Current Apparatus....	3
M. E. 81—Machine Work.....	3	E. E. 62—Alternating Current Laboratory....	1
E. E. 11—Direct Current Apparatus.....	3		
E. E. 61—Direct Current Laboratory.....	1		

GROUP B—Electrical Industries:

THIRD YEAR

FIRST SEMESTER		SECOND SEMESTER	
T. and A. M. 21—Analytical Mechanics.....	2	M. E. 2—Steam Engineering.....	3

¹Semester hours For definition, see page 225.

FOURTH YEAR

FIRST SEMESTER

M. E. 61—Power Measurement	2
E. E. 11—Direct Current Apparatus	3
E. E. 61—Electrical Engineering Laboratory ..	1
E. E. 90—Lighting	1

SECOND SEMESTER

E. E. 12—Alternating Current Apparatus....	3
E. E. 62—Electrical Engineering Laboratory ..	1

GROUP C—Building Trades:

FIRST SEMESTER

Arch. Eng. 43—Working Drawings	2
T. and A. M. 25—Resistance of Materials	4

THIRD YEAR

SECOND SEMESTER

T. and A. M. 26—Analytical Mechanics and Hydraulics	4
Arch. Eng. 44—Working Drawings	2

FIRST SEMESTER

Arch. Eng. 45—Graphic Statics	3
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FOURTH YEAR

SECOND SEMESTER

C. E. 76—Surveying	2
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GROUP D—Chemical Industries:

FIRST SEMESTER

Chem. 2a—Inorganic Chemistry and Qualita- tive Analysis	5
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THIRD YEAR

SECOND SEMESTER

Chem. 5a—Elementary Quantitative Analysis	5
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FIRST SEMESTER

Chem. 9c—Organic Synthesis	2
Chem. 14a—Organic Chemistry	3
Chem. 92a—Journal Meeting	1

FOURTH YEAR

SECOND SEMESTER

Chem. 6—Chemical Technology	3
Chem. 31—Elementary Physical Chemistry ..	4
Chem. 33—Elementary Physical Chemistry ..	2
Chem. 92b—Journal Meeting	1

Curriculum in Commerce and Law

(A six-year combined curriculum)

The following curriculum is provided for students who wish to combine commercial and legal studies and secure both the degree of Bachelor of Science and the degree of Bachelor of Laws or of Doctor of Law in six years. Students who elect this curriculum must meet all the requirements for graduation from the College of Commerce and Business Administration, but in exercising their privileges of election are urged to select as many hours as possible from the following subjects: Hist. 2a-2b, English History (6); Hist. 3a-3b, United States History (6); Hist. 4a-4b; English Constitutional History (6); Pol. Sci. 1, American Government (3); and Pol. Sci. 3, State and Local Government (3). Students expecting to study law should devote at least 12 hours to work in history and political science. A course in English history is regarded as one of the most essential pre-legal subjects.

The law courses in the curriculum may be taken only in the fourth year, and are counted for 30 hours of credit towards the degree, instead of hour for hour, provided the full year's work is completed. In their fourth year students will be regularly registered in the College of Law, but must file copies of their study-lists in the office of the Dean of the College of Commerce and Business Administration at the beginning of each semester.

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Study Methods—(Auditorium Tu. 2)	0	Acc'y 1b—Principles of Accounting	3
Acc'y 1—Principles of Accounting	3	Econ. 22—Economic History of the United States	3
Econ. 26—Economic Resources	3	Rhet. 2—Rhetoric and Themes	3
Rhet. 1—Rhetoric and Themes	3	Phys. Ed. 2—Gymnasium	1
Phys. Ed. 1—Gymnasium	1½	Military—Practical Instruction	1½
Hygiene 1	1½	Military—Theoretical Instruction	1½
Military—Practical Instruction	1½	Electives	4-7
Military—Theoretical Instruction	1½		
Electives	4-7		
Total	15-18	Total	15-18

SECOND YEAR

Acc'y 2—Advanced Accounting and Auditing	3	Acc'y 2b—Advanced Accounting and Auditing	3
Econ. 1—Principles of Economics	5	Econ. 3—Money and Banking	3
Rhet. 10—Business Writing	2	Philos. 1—Logic	1
Military—Practical Instruction	1½	Bus. Org. and Op. 1	1
Military—Theoretical Instruction	1½	Military—Practical Instruction	1½
Electives	4-7	Military—Theoretical Instruction	1½
		Electives	2-5
Total	15-17	Total	15-17

¹Semester hours. For definition, see page 225

THIRD YEAR

Bus. Org. and Op. 2—Mercantile Distribution	3	Econ. 10—Corporation Finance.....	3
Econ. 5—Public Finance.....	3	Electives.....	10-13
Econ. 28—Domestic Commerce.....	3		
Electives.....	6-9		
Total.....	15-18	Total.....	15-18

FOURTH YEAR

Law 1a—Contracts.....	4	Law 1b—Contracts.....	3
Law 2a—Torts.....	3	Law 2b—Torts.....	3
Law 5—Criminal Law.....	4	Law 3—Real Property.....	3
Law 6—Personal Property.....	2	Law 7—Domestic Relations.....	2
Law 37—Introduction to Study of Law.....	1	Law 11—Agency.....	3
Total.....	14	Total.....	14

¹Semester hours. For definition, see page 225.

THE COLLEGE OF ENGINEERING

For a description of the *buildings* used by this College, see page 48; for *collections* belonging to it, see page 57; for *clubs and societies auxiliary to its curriculums*, see page 94; for *fees* see page 102; for *honors*, see page 83; for *honorary societies*, see page 93.

GENERAL STATEMENT

The purpose of the College is to train men for the profession of engineering. In arranging its curriculums, cultural subjects are interwoven with the theoretical subjects of the several departments. The instruction of the class-room and the practice afforded by the library, the drafting room, and the laboratory are correlated. Throughout his course the student works on problems and proceeds by methods similar to those which arise in the experience of the practising engineer.

ADMISSION

See the statement of entrance requirements of the University, pages 62-80.

SPECIAL STUDENTS

See the statement of the regulations of the University in regard to special students, page 66 .

DESCRIPTION OF DEPARTMENTS

The College of Engineering comprises the following departments:

DEPARTMENT OF ARCHITECTURE, with curriculums in—

Architecture

Architectural Engineering

DEPARTMENT OF CERAMIC ENGINEERING, with curriculums in—

Ceramics

Ceramic Engineering

DEPARTMENT OF CIVIL ENGINEERING

DEPARTMENT OF ELECTRICAL ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

DEPARTMENT OF MINING ENGINEERING

DEPARTMENT OF MUNICIPAL AND SANITARY ENGINEERING

DEPARTMENT OF PHYSICS

DEPARTMENT OF RAILWAY ENGINEERING, with curriculums in—

Railway Civil Engineering

Railway Electrical Engineering

Railway Mechanical Engineering

The curriculum in General Engineering is administered by the office of the Dean of the College.

ARCHITECTURE

The department of architecture offers two curriculums leading to the first degree, the curriculum in architecture and the curriculum in architectural engineering. The aim of these curriculums is to give preparation for the practice of architecture.

The curriculum in architecture aims primarily to train the student to produce correct, thoughtful, and beautiful works of architecture. The schedule includes liberal and scientific subjects to supply the background for creative work and to give a knowledge of the principles involved in the processes of safe and economical construction; also freehand drawing for the purpose of training the eye to recognize correct proportion and training the hand to skillful and rapid drawing. The curriculum, however, consists mainly of the study of architectural forms and principles and their application in architectural design. From time to time the problems of the Society of Beaux Arts of Architects are given and the student drawings sent to New York for judgment.

The curriculum in architectural engineering gives a groundwork in mathematics and applied mechanics, and includes such studies as strength of materials, bridge, mill, and tall building construction, reinforced concrete, etc. The principles of these subjects are applied to all forms of building construction in a course given in the senior year, known as architectural engineering. While specializing in construction, this curriculum includes also the study of the forms and principles of architecture through such subjects as freehand drawing, architectural history, architectural drawing, and architectural design.

Both curriculums in architecture prepare the student for the examinations of the Illinois State Board of Examiners of Architects, and graduates are exempt from examinations required for entrance into the American Institute of Architects, and from the preliminary examination for the prize in Architecture of the American Academy at Rome. The Plym Fellowship in Architecture is awarded annually to a graduate of the department. This prize, which is awarded by competition, amounts to \$1,000 and provides for one year of travel abroad for the study of architecture.

The American Institute of Architects offers annually a medal to be awarded to the graduate of the department whose work throughout the four years has been adjudged the best. In making the award the scholarship in all work for the entire curriculum is considered.

The Scarab Medal in Architecture is awarded annually to a student of the department. This prize is a bronze medal which is awarded by competition.

Students intending to take up the study of architecture should take freehand and mechanical drawing and general history in high school.

Equipment

The equipment of the department includes plaster casts of architectural detail and ornament; lantern slides of architectural subjects and of painting and sculpture; a collection of 300 examples of American woods, shown in three sections each; and collections of architectural drawings and of specimens of building materials, fittings and appliances.

A balopticon is used for direct projection of photographs and colored plates, and a double electric lantern for projecting two pictures on the screen at once for comparative study. Geometrical and architectural models are lighted by a light properly adjusted for demonstration of the subjects of shades and shadows and conventional rendering. Wall space in the corridors of the department and in all drafting rooms has been prepared for exhibition purposes, and collections of drawings are constantly displayed. The department occupies the fourth floor of Engineering Hall, and part of the third; its quarters include drafting rooms for undergraduate and graduate work, lecture rooms, studios for freehand drawing, and the Ricker Library of Architecture.

The Ricker Library of Architecture, occupying the entire north wing of the fourth floor of Engineering Hall is open every week day from 8:00 a.m. to 10:00 p.m. except on Saturdays, when it closes at 6:00 o'clock. Large tables are provided for the examination of books, photographs, and drawings. The books representing a collection of several thousand on architecture, engineering, and allied arts, are all books for reference in history, design, and construction. There are also over 10,000 lantern slides, 15,000 mounted photographs and drawings, and an interesting collection of stereoscopic views of several of the principal countries of the world.

CERAMIC ENGINEERING

This department offers courses of instruction relating to the fabrication of clay products, cement and glass, and enamels for metals.

In addition to the fundamental engineering courses, work is offered in the physical and chemical principles of the production of silicate products, the winning and preparation of raw materials, their shaping, drying, and burning, or fusion, the composition and application of the various glazes, glasses, enamels, and colors, the planning and construction of industrial plants, and the various machines, apparatus, kilns, and furnaces used in these plants.

Industrial cooperation and research are prosecuted, and a series of bulletins on ceramic subjects is being published.

Equipment

The department of ceramic engineering is housed in a three-story brick building providing lecture rooms, classrooms, and laboratory facilities.

The ceramic laboratories contain apparatus for the testing of clays and the preparation of cements, enamels, and glasses; machinery for grinding the raw materials, for shaping bricks, tile, sagers, pottery and refractories; kilns and furnaces for calcining and fusing; pyrometers, potentiometers, electric furnaces, recording instruments, and all other accessories for exact scientific and technical work.

A library pertaining to the silicate industries is available; also sets of working drawings representing the construction of important plants.

CIVIL ENGINEERING

The purpose of the department is to make possible a systematic study of the principles of engineering and to give the students an opportunity for practise in the survey, design, and construction of public and other engineering works. The prime object is to bring about the development of the mental faculties of the student, particularly his initiative, and to help him to obtain a good grasp of the needs and opportunities afforded by engineering in general.

Equipment

For the surveying courses there is a full equipment of engineers' transits, levels, plane-tables, and other instruments in use not only in ordinary and railroad surveying, but also in more precise work.

In a building set apart for the purpose is a well equipped highway laboratory containing machines for testing bituminous and non-bituminous road materials, including brick, stone, and other road-making substances. The cement laboratory occupies a room in this building. It is provided with facilities for testing hydraulic cement, sand, and other aggregates used in concrete.

ELECTRICAL ENGINEERING

This department provides a curriculum in the theory and application of electricity. The first two years of work are substantially the same as in the other engineering curriculums, including work in drafting room and shop, and instruction in the principles of mathematics and physics. In the third year a course in dynamo machinery is followed by the theory of alternating currents, while laboratory and design courses emphasize principles. Technical courses cover the generation, transmission, and distribution of electric power, and its various applications. In the laboratory a study of dynamos is followed in the fourth year by experiments in the operation of electrical machinery. Investigation of problems of power distribution is made in advanced laboratory and thesis work.

Equipment

The 850 kilowatt power plant of the University supplies the electrical engineering laboratory with power for its operation.

The power equipment in the electrical engineering laboratory includes one hundred direct-current machines with a total capacity of 600 kilowatts, forty alternating-current machines with a total capacity of 400 kilowatts, and sixty-three transformers with a total capacity of 380 kilowatts. Experimental switchboards containing a total of 30 panels afford distribution and control.

The instrument room contains standards for the calibration of commercial instruments of all types, two hundred and fifty portable instruments for experimental work, and a 240 ampere-hour storage battery. The graduate laboratory contains apparatus for research including four oscillographs one 2,000-cycle alternator, one 200,000-volt transformer, one 1,000-ampere direct current generator, and apparatus for high voltage direct current investigations. The photometer room contains apparatus for tests of the various light sources. Two special 100-line switchboards are connected with cables and apparatus for experiments in telephony. The equipment for electrometallurgical work includes one 30-kilowatt induction furnace, one 25-kilowatt arc furnace, two 30-kilowatt resistance furnaces, one 15-kilowatt vacuum furnace for melting, one 3-kilowatt vacuum furnace for annealing and one 1.5-kilowatt muffle furnace.

MECHANICAL ENGINEERING

The courses in mechanical engineering are planned to present the theory and practise of the generation and transmission of power, and of the design, construction, operation, and testing of machinery of all kinds. In the laboratories emphasis is given to the engineering and economic principles of machine construction and to problems of scientific shop management.

Equipment

The *Designing Rooms* are supplied with drawing tables, and with reference books, files of trade catalogs, gear charts, and collections of blue prints. A collection of kinematic models, sectional steam specialties, lantern slides, and photographs is also available.

The *Mechanical Engineering Laboratory* is equipped with machines and testing instruments for instruction in steam engineering, gas power engineering, refrigeration, heating and ventilation, including a 210-horsepower experimental boiler, equipped with chain-grate stoker, fuel economizer, and induced draft; a separately fired steam superheater; types of throttling, high-speed automatic, and Corliss steam engines; steam condensers; a compound two-stage air compressor; a large compound duplex steam pump; a Kerr steam turbine; a DeLaval turbo-pump; a 200,000-pound Lea water-flow; a 10-ton ammonia compression refrigerating machine; a 10-ton ammonia absorption refrigerating machine; typical gas, gasoline, and oil engines; a 50-horsepower suction gas producer, house-heating boilers and furnaces; a 150-horsepower electric absorption and transmission dynamometer; and apparatus for instruction in heating and ventilation and the mechanical equipment of buildings. The central heating and power plant contains types of boilers, stokers, pumps, and engines in commercial service.

The *Shop Laboratories* are provided with machinery and apparatus to illustrate the process of the manufacture of machinery. The laboratories include the *Wood Shop* with an equipment of benches, lathes, machinery, and small tools needed in pattern construction; the *Foundry* equipped with cupola, brass furnaces, core ovens, moulding machines, and facilities for bench and floor moulding; the *Forge Shop* equipped with forges, anvils and small tools, a steam hammer, a power-driven punch and shear, and with gas and electric furnaces; and the *Machine Shop* with an equipment of lathes, planers, shapers, milling machines, grinders, boring mills, drill presses, and with typical small tools and fixtures used in manufacturing.

MECHANICS, THEORETICAL AND APPLIED

The courses in theoretical and applied mechanics are designed to meet the needs of students of engineering.

The *Laboratory of Applied Mechanics* comprises the materials testing laboratory and the hydraulics laboratory. The equipment of the *Materials Testing Laboratory* includes testing machines and apparatus for making physical tests of materials of construction, such as tension, compression, flexure, shearing, torsion, hardness, and impact tests, and tests under repeated load. The laboratory contains machines of capacity for testing full size structural and machine members. Among these there is a universal machine of six hundred thousand pounds capacity. Facilities are provided for making, curing, and testing concrete and reinforced concrete test specimens. The *Hydraulics Laboratory* has facilities for furnishing water under a range of pressures and volumes. There is an equipment of devices for measuring and recording the flow of water, including measuring pits, water meters, weir channels, nozzles, pitometer, and Venturi meters. In the equipment are pumps, a stand-pipe, water motors, and a turbine water wheel for testing purposes. A supply of pressure gauges, weighing scales, and other auxiliary apparatus is provided.

MINING ENGINEERING

The department of mining engineering offers courses of instruction in mining and metallurgical engineering to train men for the various phases of the mineral industry.

The work of the department adds to the preliminary courses in mathematics, languages, chemistry, physics, and general engineering, that are common to all courses in engineering, specialized work in mine surveying, mining methods, geology, prospecting, mine examination and valuation, ventilation, mining machinery, coal washing and ore concentration, metallurgy, utilization of fuels, administration and organization of mines, mining law, and the design of mining and metallurgical structures.

There are three distinct options, coal mining, ore mining, and metallurgical engineering, and by means of the electives offered, a student can also specialize along the geological phases of mining, including work in oil prospecting and development.

In addition to its work of instruction, the department concerns itself with the development and dissemination of scientific facts of service in improving the practise of mining, with reference to efficiency in operation, the security of life in the mines, and the conservation of the mineral resources of the State.

Equipment

The drawing room contains the catalogs of the manufacturers of mining machinery with a complete card index, the standard reference books on mine and mill design, and an unusually complete collection of photographs, blue-prints and drawings of mines, mine structures, and ore and coal preparation, and metallurgical plants.

The mine-gas and safety lamp laboratory contains safety lamps of different types, electric and magnetic locking appliances, a photometer, a dark room for photometric work, Ryan, Oldham, and Hailwood safety-lamp testing apparatus, appliances for gas and dust analysis and explosibility tests, and a Bacharach hydro volume and pressure recorder.

The coal washing and ore dressing laboratory contains for crushing, rolls, gyratory and jaw crushers, and a 500-pound 3-stamp battery; for screening and sizing, trommels, shaking and vibrating screens, and classifiers; for concentrating and cleaning, pan, piston and pulsating jigs, bumping table, vanner, sand, concentrating table, and slimer. These machines can handle 3 to 5 tons of coal and one ton of ore an hour. There are also a complete sampling and drying equipment, a cyanide testing plant, a Huff electrostatic machine, flotation units, a magnetic separator and other appliances used for preliminary testing. Adjoining this laboratory is a chemical and assay laboratory equipped for the analytical work required in connection with coal washing and ore concentration.

The explosives and drilling laboratory contain types of rock and coal drills, an air meter, a diamond drill, chain and puncher, coal cutters, and a complete outfit for demonstrating the use of explosives.

MUNICIPAL AND SANITARY ENGINEERING

This curriculum is designed to train students for the duties of the engineer employed on the design, construction, and operation of public works and public utilities, and for general engineering work.

The methods of training are intended to develop power to take up and solve new problems connected with municipal public works, as well as to design and to superintend the ordinary constructions. Surveying, structural materials, and structural design are taught as in the civil engineering curriculum. Chemistry and bacteriology of water supply and sewage disposal are given; and instruction in mechanical and electrical engineering in the generation and transmission of power.

The hydraulic laboratory is well equipped with apparatus illustrating the laws of hydraulics as applied in waterworks and sewerage practise, and it also contains a small rapid sand filter, a small slow sand filter, several arrangements of dosing siphons, a model of a water purification plant and models illustrating the disposal of sewage by Imhoff tanks, sprinkling filters, and sand filters. Opportunities for practise and study are provided at the filter plant of the Champaign and Urbana Water Company, and at the experimental sewage plant of the State Water Survey Division.

PHYSICS

The department of physics occupies the Laboratory of Physics. This building supplies facilities and equipment for instruction and investigation in physics. Gas, distilled water, compressed air and vacuum, and direct and alternating electric currents are available in all parts of the building. There is a collection of over 4,000 pieces of apparatus, and only a small part of the equipment is antiquated. New investigations can usually be started with the apparatus on hand. There are two workshops, one for advanced students and instructors, and one for the mechanics of the department. The student's shop is equipped with lathes, drill press, and bench tools. The mechanic's shop contains lathes, milling machines, drill press, and other facilities for fine machine work.

The University Library contains sets of journals of physics and the related sciences in English, French, and German. The recent volumes of the physical journals, together with a collection of text-books, encyclopedias, dictionaries, and other reference books, are in the special library of the Laboratory.

RAILWAY ENGINEERING

The department of railway engineering is organized to train students for service in the technical departments of railways. It offers curriculums in railway civil engineering, railway electrical engineering, and railway mechanical engineering, all three of which are substantially the same as the corresponding civil, electrical, and mechanical engineering curriculums to the end of second year, after which is given in each course a group of subjects

relating to the technical problems of steam or electric railways. The curriculums in railway civil and railway mechanical engineering are designed for those who wish to enter steam railway service in the engineering and motive power departments respectively, while the curriculum in railway electrical engineering is intended for those who will serve on electric railways or in the electrical departments of steam roads. The special subjects of the curriculum in railway civil engineering concern the location, design, construction, and maintenance of railway track and equipment, and the design of railway structures. The courses in railway electrical engineering deal with the design and construction of electrical railway equipment, the operation and performance of electric cars and locomotives and with the problems which arise in the electrification of steam lines. The curriculum in railway mechanical engineering adds to the fundamentals of the general mechanical engineering curriculum special railway courses on the design of locomotives and cars, the resistance of trains, the performance and tests of locomotives, and tests of railway equipment.

Equipment

A locomotive testing plant, built from the original designs of the department, occupies a building forty by one hundred fifteen feet. The plant is devoted exclusively to making tests to determine the performance of locomotives. The locomotives tested have, for the most part, been furnished by certain railroad companies. Permanent arrangements are contemplated under which it may be possible to maintain in the plant a locomotive of the latest design.

For purposes of instruction a light freight locomotive is permanently available in this laboratory. This locomotive, donated to the department by the Illinois Central Railroad, is of the mogul type, has 19x26 simple cylinders using saturated steam, 1,530 square feet of heating surface, 26 square feet of grate area, and weighs with its tender 206,000 pounds.

The department owns and operates, jointly with the Illinois Central Railroad, a railway test car designed for experimental work on steam roads. It is equipped for making train resistance and locomotive performance tests, and during the last twenty years has been in frequent operation in carrying on resistance and tonnage rating tests on the Illinois Central Railroad and on several eastern roads.

For work on electric roads the department owns an electric test car, of the interurban type, designed and built for the University. It is equipped with four 50-horsepower direct current motors and with the Westinghouse multiple control system, and is provided with instruments for recording power, speed, acceleration, and the other data needed in road tests, and for measuring and recording the electric resistance of rail bonds. Through the courtesy of the Illinois Traction System this car is operated on its lines, which enter the campus of the University.

The department laboratory equipment includes a drop-testing machine and a brake-shoe testing machine, both constructed in accordance with the standards of the Master Car Builders' Association. The drop-testing machine is designed for use in testing the strength of railroad rails, car axles, car couplers, and draft gears; and may be used in studies of the physical properties of structural materials of any sort. The brake shoe-testing machine supplies means for determining the wearing properties and frictional qualities of brake-shoes, such as are employed in regular service on railroad trains.

Much of the work in the railway courses is given in the departments of civil, electrical, and mechanical engineering, and the shop and laboratory equipment of these departments is available for students in the railway department.

Three steam roads—the Illinois Central, the Cleveland, Cincinnati, Chicago & St. Louis, and the Wabash railroads—and two electric interurban roads—the Illinois Traction System and the Kankakee and Urbana railway—enter Champaign and Urbana. The department is afforded opportunities by them for practical road tests and field work.

SHORT COURSES FOR METERMEN

In March, 1920, the Illinois Public Utilities Association gave the University the sum of \$500 to pay the expenses of a two-weeks' course of instruction in meter reading, testing, and repairing.

ENGINEERING FOUNDATION AND NATIONAL RESEARCH COUNCIL COOPERATIVE FUNDS FOR INVESTIGATION OF FATIGUE OF METALS

A fund has been given to the University by the National Research Council and the Engineering Foundation to be used for an investigation on the fatigue phenomena of metals.

GENERAL ENGINEERING LECTURES FOR FRESHMEN

One general lecture, sufficiently popular in character to interest and inspire young students, will be given each week. All freshmen engineering students are required to attend this lecture.

TRIPS OF INSPECTION

Students in the College of Engineering are required to make a trip of inspection during their senior year. Such trips supply an opportunity to inspect the work of industrial establishments and of engineering enterprises. They usually occupy from three to four days, and are taken during term time, under the supervision of University authorities. They involve an expense of approximately \$25 to \$30 to each student. For the year 1921-22, the trips occurred on October 13, 14 and 15, 1921.

No student not in line for graduation shall be permitted to go on the annual inspection trip of the College of Engineering without the approval of the General Committee on Inspection Trips.

NON-TECHNICAL ELECTIVES

The non-technical electives for students in the College of Engineering are subject to the following restrictions:

1. They are restricted to courses offered in the College of Liberal Arts and Sciences and in the College of Commerce, and courses 1 to 10 in Music.
2. Such courses must not be open to freshmen students.
3. The courses must be approved by the head of the department in which the student making the election is registered.
4. Students in the College of Engineering electing the third and fourth years' work in the Reserve Officers' Training Corps may substitute the four hours credit thus received for three hours of the required non-technical electives.

RHETORIC PREREQUISITE FOR JUNIOR STANDING

Rhetoric 1 and 2 are prerequisites for junior standing in the College of Engineering, and no student in this College shall be permitted to register in more than eight hours of prescribed junior work without having passed or being registered in Rhetoric 1 or 2.

THESES

These are required of students in the Department of Ceramics and may be elected by students in other departments with the approval of the head of the department concerned. Only students of high standing are allowed to elect theses.

CURRICULUMS AND DEGREES

The curriculums leading to the degree of Bachelor of Science in the College of Engineering are given herewith in full. Each of the twelve curriculums given may ordinarily be completed in a period of four years.

A graduate of the University of Illinois in architectural, ceramic, civil, electrical, mechanical, mining, municipal and sanitary, or railway engineering may receive the degree of an allied curriculum on the completion of from thirty to thirty-six semester hours work approved by the faculty. This work may ordinarily be done in one academic year.

A graduate of the College of Liberal Arts and Sciences of the University of Illinois, or of any college of equal standing, whose mathematical training includes the calculus, who has had an acceptable course in physics, and sufficient training in mechanics to enable him to begin the mechanics of the junior year, may receive the degree of Bachelor of Science in Engineering on the completion of sixty-eight credit hours of work in engineering under the direction of the faculty. This work may be ordinarily done in two academic years. Candidates for the degree in the department of architecture are not required to be prepared in calculus or mechanics, but should have special preparation in drawing.

Curriculum in Architecture

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours
Arch. 31—Arch and Freehand Drawing.....	4	Arch. 32—Arch. and Freehand Drawing.....	4
G. E. D. 2—Descriptive Geometry.....	4	Chem. 1a or 1b—Inorganic Chemistry.....	3 or 4
Math. 2—Advanced Algebra.....	3	T. and A. M. 14—Elementary Mechanics....	4
Math. 4—Trigonometry.....	2	Rhet. 2—Rhetoric and Themes.....	3
Rhet. 1—Rhetoric and Themes.....	3	Phys. Ed. 2—Gymnasium.....	1
Phys. Ed. 1—Gymnasium.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{1}{2}$
Hyg. 1—Hygiene (men).....	$\frac{1}{2}$	Military—Theoretical Instruction.....	$\frac{1}{2}$
Military—Practical Instruction.....	$\frac{1}{2}$	Eng. Lecture.....	0
Military—Theoretical Instruction.....	$\frac{1}{2}$		
Eng. Lecture.....	0		
Total.....	18	Total.....	16-17

SECOND YEAR

Arch. 13—History of Architecture.....	2	Arch. 14—History of Architecture.....	2
Arch. 23—Freehand Drawing.....	2	Arch. 24—Freehand Drawing.....	2
Arch. 33—Design.....	3	Arch. 34—Design.....	3
Arch. 43—Technology of Materials.....	3	Arch. 44—Technology of Materials.....	3
Phys. 9a—Physics Lectures.....	2	Phys. 9b—Physics Lectures.....	2
Phys. 10a—Physics Laboratory.....	2	Phys. 10b—Physics Laboratory.....	2
T. and A. M.—Strength of Material.....	3	T. and A. M. 16—Strength of Materials....	3
Military—Practical Instruction.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{1}{2}$
Military—Theoretical Instruction.....	$\frac{1}{2}$	Military—Theoretical Instruction.....	$\frac{1}{2}$
Total.....	18	Total.....	18

THIRD YEAR

Arch. 15—History of Architecture.....	2	Arch. 16—History of Architecture.....	2
Arch. 25—Freehand Drawing.....	2	Arch. 26—Freehand Drawing.....	2
Arch. 35—Design.....	5	Arch. 36—Design.....	5
Arch. 45—Graphic Statics.....	3	Arch. 46—Roofs.....	3
Arch. 65—Theory of Architecture.....	1	Arch. 55—Building Sanitation.....	1
E. E. 90—Building Illumination.....	1	Arch. 66—Theory of Architecture.....	1
French or German.....	4	French or German.....	4
Total.....	18	Total.....	18

FOURTH YEAR

Arch. 27—Freehand Drawing.....	2	Arch. 18—History of Architecture.....	2
Arch. 37—Design.....	7	Arch. 28—Freehand Drawing.....	7
Arch. 68—Specifications.....	3	Arch. 38—Advanced Design or Thesis.....	7
Arch. 99—Inspection Trip.....	0	Arch. 60A—Special Lectures.....	2
M. E. 25—Heating and Ventilation.....	2	Arch. 67—Theory of Form and Color.....	2
Non-technical Elective ²	3	Non-technical Elective ²	3
Total.....	17	Total.....	18

Curriculum in Architectural Engineering

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Chem. 1a or 1b—Inorganic Chemistry.....	3 or 4	Chem. 4—Qualitative Analysis.....	4
G. E. D. 1 or 4—Elements in Drafting.....	4	G. E. D. 2—Descriptive Geometry.....	4
Math. 2—Advanced Algebra.....	3	Math. 6—Analytic Geometry.....	5
Math. 4—Trigonometry.....	2	Rhet. 2—Rhetoric and Themes.....	3
Rhet. 1—Rhetoric and Themes.....	3	Phys. Ed. 2—Gymnasium.....	1
Phys. Ed. 1—Gymnasium.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{1}{2}$
Hyg. 1—Hygiene (men).....	$\frac{1}{2}$	Military—Theoretical Instruction.....	$\frac{1}{2}$
Military—Practical Instruction.....	$\frac{1}{2}$	Eng. Lecture.....	0
Military—Theoretical Instruction.....	$\frac{1}{2}$		
Eng. Lecture.....	0		
Total.....	17-18	Total.....	18

SECOND YEAR

Arch. 13—History of Architecture.....	2	Arch. 14—History of Architecture.....	2
A. E. 33—Arch. and Freehand Drawing.....	3	A. E. 34—Design.....	3
A. E. 43—Technology of Materials.....	2	A. E. 44—Technology of Materials.....	2
Math. 7—Differential Calculus.....	5	Math. 9—Integral Calculus.....	3
Phys. 1a—Physics Lectures.....	3	Phys. 1b—Physics Lectures.....	3
Phys. 3a—Physics Laboratory.....	2	Phys. 3b—Physics Laboratory.....	2
Military—Practical Instruction.....	$\frac{1}{2}$	T. and A. M. 20—Analytical Mechanics....	3
Military—Theoretical Instruction.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{1}{2}$
		Military—Theoretical Instruction.....	$\frac{1}{2}$
Total.....	18	Total.....	18

¹Semester hours. For definition, see page 225.²Any approved non-technical elective. See page 133.

THIRD YEAR

Arch. 15—History of Architecture.....	2	Arch. 16—History of Architecture.....	2
A. E. 35—Design.....	3	A. E. 36—Design.....	3
A. E. 45—Graphic Statics.....	3	A. E. 46—Graphic Statics.....	3
Language ¹	4	Language ¹	4
T. and A. M. 25—Resistance of Metals.....	4	T. and A. M. 26—Analytical Mechanics and Hydraulics.....	4
Non-technical Elective ²	2	Non-technical Elective ²	2
Total.....	18	Total.....	18

FOURTH YEAR

A. E. 47—Architectural Engineering.....	5	A. E. 48—Architectural Engineering.....	5
A. E. 57—Fireproof Construction.....	2	A. E. 58—Fireproof Construction.....	2
A. E. 99—Inspection Trip.....	0	A. E. 67—Building Sanitation.....	2
E. E. 92—Lighting and Wiring.....	2	A. E. 68—Estimates and Specifications.....	4
M. E. 23—Mechanical Equipment of Build- ings.....	5	Approved Technical Elective.....	5
Non-technical Elective ³	2		
Total.....	16	Total.....	18

Curriculum in Ceramic Engineering

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ³		Hours ³
Chem. 1a or 1b—Inorganic Chemistry.....	3-4	Chem. 4—Qualitative Analysis.....	4
G. E. D. 1 or 4—Elements of Drafting.....	4	G. E. D. 2—Descriptive Geometry.....	4
Math. 2—College Algebra.....	3	Math. 6—Analytic Geometry.....	5
Math. 4—Trigonometry.....	2	Rhet. 2—Rhetoric and Themes.....	3
Rhet. 1—Rhetoric and Themes.....	3	Phys. Ed. 2—Gymnasium.....	1
Phys. Ed. 1—Gymnasium.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{1}{2}$
Hyg. 1—Hygiene (men).....	$\frac{1}{2}$	Military—Theoretical Instruction.....	$\frac{1}{2}$
Military—Practical Instruction.....	$\frac{1}{2}$	Eng. Lecture.....	0
Military—Theoretical Instruction.....	$\frac{1}{2}$		
Eng. Lecture.....	0		
Total.....	17-18	Total.....	18

SECOND YEAR

Cer. 1—Ceramic Materials.....	3	Cer. 2—Winning and Preparation of Clays... ..	3
Chem. 5a—Quantitative Analysis.....	5	Chem. 5b—Quantitative Analysis.....	5
Math. 7—Differential Calculus.....	5	Math. 9—Integral Calculus.....	3
Phys. 1a—Physics Lecture.....	3	Phys. 1b—Physics Lecture.....	2
Phys. 3a—Physics Laboratory.....	2	Phys. 3b—Physics Laboratory.....	2
Military—Practical Instruction.....	$\frac{1}{2}$	T. and A. M. 20—Analytical Mechanics.....	3
Military—Theoretical Instruction.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{1}{2}$
		Military—Theoretical Instruction.....	$\frac{1}{2}$
Total.....	19	Total.....	19

THIRD YEAR

Cer. 12—Designing and Shaping.....	3	Cer. 3—Industrial Calculations.....	3
Chem. 65—Gas and Fuel Analysis.....	2	Cer. 5—Ceramic Bodies.....	5
French or German.....	4	C. E. 76—Surveying.....	2
T. and A. M. 21—Analytical Mechanics.....	2	French or German.....	4
T. and A. M. 25—Resistance of Materials.....	4	Elective ⁴	3
Elective ⁴	3		
Total.....	18	Total.....	17

FOURTH YEAR

Cer. 4c—Drying and Burning.....	5	Cer. 9—Ceramic Construction.....	4
Cer. 6—Glazes.....	6	M. E. 62—Power Measurement.....	3
Cer. 17—Physical Chemistry.....	4	Thesis or (with the approval of the Depart- ment) Technical Elective.....	3-5
Cer. 99—Inspection Trip.....	0	Elective ³ Technical Elective.....	5-3
Elective ⁴	3		
Total.....	18	Total.....	15

¹French, German, Spanish, or English.²Any approved non-technical elective. See page 133.³Semester hours. For definition, see page 225.⁴At least six hours of these electives must be in approved non-technical courses. See page 133.

Curriculum in Ceramics

This curriculum is designed for the training of ceramic chemists.

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Chem. 1a or 1b—Inorganic chemistry.....	3 or 4	Chem. 3a—Qualitative Analysis.....	5
Math. 2—College Algebra.....	3	Math. 6a—Analytical Geometry.....	4
Math. 4—Trigonometry.....	2	French or German.....	4
French or German.....	4	Rhet. 2—Rhetoric and Themes.....	3
Rhet. 1 ² —Rhetoric and Themes.....	3	Phys. Ed. 2—Gymnasium.....	1
Phys. Ed. 1—Gymnasium.....	1/2	Military—Practical Instruction.....	1/2
Hyg. 1—Hygiene (men).....	1/2	Military—Theoretical Instruction.....	1/2
Military—Practical Instruction.....	1/2		
Military—Theoretical Instruction.....	1/2	Total.....	18
Total.....	17 or 18		

SECOND YEAR

Chem. 5a—Quantitative Analysis.....	5	Chem. 5b—Quantitative Analysis.....	5
Math. 8a—Differential Calculus.....	3	Math. 8b—Integral Calculus.....	3
Phys. 1a—Physics lecture.....	3	Phys. 1b—Physics Lecture.....	2
Phys. 3a—Physics Laboratory.....	2	Phys. 3b—Physics Laboratory.....	3
Cer. 1—Ceramic Materials.....	3	Cer. 2—Winning & Pre. of Clays or (Elective) ³	3
Military—Practical Instruction.....	1/2	Military—Practical Instruction.....	1/2
Military—Theoretical Instruction.....	1/2	Military—Theoretical Instruction.....	1/2
Total.....	17	Elective ³	3
		Total.....	19

THIRD YEAR

Cer. 12—Designing and Shaping.....	3	Cer. 3—Industrial Calculations.....	3
Chem. 65—Gas and Fuel Analysis.....	2	Cer. 5—Ceramic Bodies.....	5
Geol. 20—General Mineralogy.....	3	Cer. 9—Organic Chemistry.....	3
Chem. 7—Metallurgy.....	3	Chem. 9c—Organic Chemistry Lab.....	2
E. E. 8—Electric Currents (or Elective) ³	3	Chem. 31—Physical Chemistry.....	3
E. E. 68—Electrical Engr. Lab. (or Elective) ³	1	Chem. 33—Physical Chemistry Lab.....	2
Elective ³	3	Total.....	18
Total.....	18		

FOURTH YEAR

Cer. 4c—Drying and Burning.....	5	Chem. 6—Chemical Technology.....	3
Cer. 6—Glazes.....	6	Chem. 61—Industrial Chemistry Lab.....	3
Cer. 17a—Physical Chem. problems.....	1	Thesis.....	4 or 5
Cer. 99—Inspection Trip.....	0	Elective ³	6 or 5
Elective ³	6	Total.....	16
Total.....	18		

Curriculum in Civil Engineering

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Chem. 1a or 1b—Inorganic Chemistry.....	3-4	Chem. 4—Inorganic Chemistry.....	4
G. E. D. 1 or 4—Elements of Drafting.....	4	G. E. D. 2—Descriptive Geometry.....	4
Math. 2—Advanced Algebra.....	3	Math. 6—Analytic Geometry.....	5
Math. 4—Trigonometry.....	2	Rhet. 2—Rhetoric and Themes.....	3
Rhet. 1—Rhetoric and Themes.....	3	Phys. Ed. 2—Gymnasium.....	1
Phys. Ed. 1—Gymnasium.....	1/2	Military—Practical Instruction.....	1/2
Hyg. 1—Hygiene (men).....	1/2	Military—Theoretical Instruction.....	1/2
Military—Practical Instruction.....	1/2	Engineering Lecture.....	0
Military—Theoretical Instruction.....	1/2		
Engineering Lecture.....	0	Total.....	18
Total.....	17-18		

¹Semester hours. See page 225.

³At least six hours of these electives must be in approved non-technical courses. See page 133.

SECOND YEAR

C. E. 27—Elementary Surveying	3	C. E. 28—Topographic Surveying	3
Language ¹	4	Language ¹	4
Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3
Phys. 1a—Physics Lecture	3	Phys. 1b—Physics Lecture	2
Phys. 3a—Physics Laboratory	2	Phys. 3b—Physics Laboratory	2
Military—Practical Instruction	$\frac{1}{2}$	T. and A. M. 20—Analytical Mechanics	3
Military—Theoretical Instruction	$\frac{1}{2}$	Military—Practical Instruction	$\frac{1}{2}$
		Military—Theoretical Instruction	$\frac{1}{2}$
Total	18	Total	18

THIRD YEAR

C. E. 51—Railroad Surveying	5	C. E. 30—Higher Surveying	3
M. E. 1—Steam Engines and Boilers	3	C. E. 54—Roads and Pavements	4
T. and A. M. 21—Analytical Mechanics	2	C. E. 60—Structural Stresses	4
T. and A. M. 29—Resistance of Materials	5	C. E. 62—Structural Details	2
Non-technical Elective ²	3	C. E. 70—Seminar	1
		T. and A. M. 10—Hydraulics	3
Total	18	Total	17

FOURTH YEAR

I. General Option³

C. E. 57—Hydrology	2	C. E. 78—Drainage Engineering	3
C. E. 75—Masonry Construction	3	C. E. 80—Contracts and Specifications	2
C. E. 81—Theory of Reinforced Concrete	2	C. E. 82—Reinforced Concrete Design	4
C. E. 85—Bridge Design	5	C. E. 84—Engineering Functions	2
C. E. 95—Plain Concrete	2	M. and S. E. 3—Sewerage	3
C. E. 99—Inspection Trip	0	Non-technical Electives	3
M. and S. E. 2—Water Supply Engineering	4		
Total	18	Total	17

II. Structural Option³

C. E. 81—Theory of Reinforced Concrete	2	C. E. 75—Masonry Construction	3
C. E. 85—Bridge Design	5	C. E. 80—Contracts and Specifications	2
C. E. 91—Advanced Structural Analysis	5	C. E. 82—Reinforced Concrete Design	4
C. E. 95—Plain Concrete	2	C. E. 92—Structural Seminar	2
C. E. 99—Inspection Trip	0	E. E. 4 and 64—Electric Engineering	3
M. and S. E. 2—Water Supply Engineering	4	Non-technical Electives ²	3
Total	18	Total	17

III. Highway Option³

C. E. 57—Hydrology	2	C. E. 80—Contracts and Specifications	2
C. E. 81—Theory of Reinforced Concrete	2	C. E. 82—Reinforced Concrete Design	4
C. E. 85—Bridge Design	5	C. E. 94—Highway Administration	3
C. E. 93—Highway Design	3	C. E. 96—Road Materials	2
C. E. 95—Plain Concrete	2	Min. 2—Mining Principles	3
C. E. 99—Inspection Trip	0	Non-technical Electives ²	3
M. and S. E. 2—Water Supply Engineering	4		
Total	18	Total	17

Curriculum in Electrical Engineering

FIRST YEAR

FIRST SEMESTER	Hours ⁴	SECOND SEMESTER	Hours ⁴
Chem. 1a or 1b—Inorganic Chemistry	3 or 4	Chem. 4—Qualitative Analysis	4
G. E. D. 1 or 4—Elements of Drafting	4	G. E. D. 2—Descriptive Geometry	4
Math. 2—Algebra	3	Math. 6—Analytic Geometry	5
Math. 4—Trigonometry	2	Rhet. 2—Rhetoric and Themes	3
Rhet. 1—Rhetoric and Themes	3	Phys. Ed. 2—Gymnasium	1
Phys. Ed. 1	$\frac{1}{2}$	Military—Practical Instruction	$\frac{1}{2}$
Hygiene 1	$\frac{1}{2}$	Military—Theoretical Instruction	$\frac{1}{2}$
Military—Practical Instruction	$\frac{1}{2}$	Engineering Lecture	0
Military—Theoretical Instruction	$\frac{1}{2}$		
Engineering Lecture	0		
Total	17 or 18	Total	18

¹French, German, Spanish, or English.²Any approved non-technical course. See page 133.³C. E. 97-98 (Thesis) may be substituted for a technical subject in any of the three options of the senior year upon approval of the Head of the Department. Only students of high standing are permitted to take a thesis. Prerequisite: Senior standing in Civil Engineering, I, (1); II, (2 or 3).⁴Semester hours. For definition, see page 225.

SECOND YEAR

Language ¹	4
Math. 7—Differential Calculus.....	5
M. E. 75 and 77—Forge and Foundry, or M. E. 79—Pattern Work.....	3
Phys. 1a—Physics Lectures.....	3
Phys. 3a—Physics Laboratory.....	2
Military—Practical Instruction.....	$\frac{1}{2}$
Military—Theoretical Instruction.....	$\frac{1}{2}$
<hr/>	
Total.....	18

Language ¹	4
Math. 9—Integral Calculus.....	3
M. E. 75 and 77—Forge and Foundry, or M. E. 79—Pattern Work.....	3
Phys. 1b—Physics Lectures.....	2
Phys. 3b—Physics Laboratory.....	2
T. and A. M. 20—Analytical Mechanics.....	3
Military—Practical Instruction.....	$\frac{1}{2}$
Military—Theoretical Instruction.....	$\frac{1}{2}$
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Total.....	18

THIRD YEAR

E. E. 25—Direct Current Apparatus.....	4
E. E. 75—Elec. Eng. Laboratory.....	2
Math. 9a—Integral Calculus.....	2
M. E. 81—Machine Work.....	3
Phys. 44a—Elec. and Mag. Measurement....	3
T. and A. M. 25—Resistance of Materials....	4
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Total.....	18

E. E. 26—Alternating Currents.....	4
E. E. 75—Elec. Eng. Laboratory.....	2
M. E. 10—Thermodynamics.....	3
Phys. 44b—Elec. and Mag. Measurement....	2
T. and A. M. 26—Anal. Mechanics and Hy- draulics.....	4
Non-technical Elective ²	3
<hr/>	
Total.....	18

FOURTH YEAR

E. E. 99—Inspection Trip.....	0
E. E. 95—Seminar.....	1
E. E. 35—Alternating Current Apparatus....	4
E. E. 85—Elec. Eng. Laboratory.....	2
E. E. 55—Electrical Design.....	2
M. E. 61—Power Measurement.....	2
M. E. 11—Thermodynamics.....	3
Non-technical Elective ²	3
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Total.....	17

E. E. 95—Seminar.....	1
E. E. 36—Alternating Current Apparatus....	4
E. E. 86—Elec. Eng. Laboratory.....	2
E. E. 56—Electrical Design.....	4
E. E. 98—Thesis ³ or Elective.....	3
Non-technical Elective ²	3
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Total.....	17

Curriculum in General Engineering

Curriculum requires 142 hours for graduation and leads to the degree of Bachelor of Science in General Engineering at the end of the fourth year.

FIRST YEAR

FIRST SEMESTER	Hours ⁴
Chem. 1a or 1b—Inorganic Chemistry.....	3 or 4
G. E. D. 1 or 4—Elements of Drafting.....	4
Math. 2—Algebra.....	3
Math. 4—Trigonometry.....	2
Rhet. 1—Rhetoric and Themes.....	3
Phys. Ed. 1—Gymnasium.....	$\frac{1}{2}$
Hyg. 1—Hygiene.....	$\frac{1}{2}$
Military—Practical Instruction.....	$\frac{1}{2}$
Military—Theoretical Instruction.....	$\frac{1}{2}$
Engineering Lecture.....	0
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Total.....	17 or 18

SECOND SEMESTER	Hours ⁴
Chem. 4—Qualitative Analysis.....	4
G. E. D. 2—Descriptive Geometry.....	4
Math. 6—Analytic Geometry.....	5
Rhet. 2—Rhetoric and Themes.....	3
Phys. Ed. 2—Gymnasium.....	1
Military—Practical Instruction.....	$\frac{1}{2}$
Military—Theoretical Instruction.....	$\frac{1}{2}$
Engineering Lecture.....	0
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Total.....	18

SECOND YEAR

Econ. 1—Principles of Economics.....	5
Math. 7—Differential Calculus.....	5
M. E. 77—Foundry.....	3
Phys. 1a—Physics Lecture.....	3
Phys. 3a—Physics Laboratory.....	2
Military—Practical Instruction.....	$\frac{1}{2}$
Military—Theoretical Instruction.....	$\frac{1}{2}$
<hr/>	
Total.....	19

Econ. 3—Money and Banking.....	3
Math. 9—Integral Calculus.....	3
C. E. 34—Plane and Topographic Surveying.	3
Phys. 1b—Physics Lecture.....	2
Phys. 3b—Physics Laboratory.....	2
T. and A. M. 20—Analytic Mechanics.....	3
Military—Practical Instruction.....	$\frac{1}{2}$
Military—Theoretical Instruction.....	$\frac{1}{2}$
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Total.....	17

¹French, German, Spanish, or English.

²Any approved non-technical course. See page 133.

³Only students having high grades may select a thesis.

⁴Semester hours. For definition, see page 225.

THIRD YEAR

Econ. 35—Corporations.....	3
E. E. 11—Direct Current Apparatus.....	3
E. E. 61—Direct Current Laboratory.....	1
Language ¹ or Approved Elective ²	4
M. E. 81—Machine Work.....	3
T. and A. M. 25—Resistance of Material....	4
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Total.....	18

Business Law 2—Contracts, etc.....	3
E. E. 12—Alternating Current Apparatus... 3	
E. E. 62—Alternating Current Laboratory... 1	
Language ¹ or Approved Elective ²	4
Math. 23—Averages and Mathematics in Investment, or	
Geol. 43—Engineering Geology.....	3
T. and A. M. 26—Analytic Mechanics and Hydraulics.....	4
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Total.....	18

FOURTH YEAR

Chem. 7—Metallurgy of Iron and Steel.....	3
Econ. 12a—Labor Problems, or	
Econ. 28—Mechanism and Technique of Domestic Commerce.....	3
M. E. 11—Thermodynamics.....	3
Language ¹ or Approved Elective ²	4
C. E. 88—Stresses in Structure.....	4
G. E. 99—Inspection Trip.....	0
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Total.....	17

Econ. 12b—Labor problems, or	
Econ. 29—Foreign Commerce and Commercial Politics.....	2 or 3
Language ¹ or Approved Elective ²	4
M. E. 2—Steam Engineering.....	3
M. E. 64—Power Measurement.....	3
C. E. 90—Structural Design.....	4
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Total.....	16 or 17

Curriculum in Mechanical Engineering

FIRST YEAR

FIRST SEMESTER

	Hours ³
Chem. 1a or 1b—Inorganic Chemistry.....	3 or 4
G. E. D. 1 or 4—Elements of Drafting.....	4
Math. 2—Algebra.....	4
Math. 4—Trigonometry.....	3
Rhet. 1—Rhetoric and Themes.....	3
Phys. Ed. 1—Gymnasium.....	1 1/2
Hyg. 1—Hygiene.....	1 1/2
Military—Practical Instruction.....	1 1/2
Military—Theoretical Instruction.....	1 1/2
Engineering Lecture.....	0
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Total.....	18

SECOND SEMESTER

	Hours ³
Chem. 4—Qualitative Analysis.....	4
G. E. D. 2—Descriptive Geometry.....	4
Math. 6—Analytic Geometry.....	5
Rhet. 2—Rhetoric and Themes.....	3
Phys. Ed. 2—Gymnasium.....	1
Military—Practical Instruction.....	1 1/2
Military—Theoretical Instruction.....	1 1/2
Engineering Lecture.....	0
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Total.....	18

SECOND YEAR

Language ¹	4
Math. 7—Differential Calculus.....	5
M. E. 75 and 79—Forge and Pattern work, or M. E. 77—Foundry.....	3
Phys. 1a—Physics Lecture.....	3
Phys. 3a—Physics Laboratory.....	2
Military—Practical Instruction.....	1 1/2
Military—Theoretical Instruction.....	1 1/2
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Total.....	18

Language ¹	4
Math. 9—Integral Calculus.....	3
M. E. 75 and 79—Forge and Pattern work, or M. E. 77—Foundry.....	3
Phys. 1b—Physics Lecture.....	2
Phys. 3b—Physics Laboratory.....	2
Military—Practical Instruction.....	1 1/2
Military—Theoretical Instruction.....	1 1/2
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Total.....	18

THIRD YEAR

M. E. 13—Thermodynamics.....	3
M. E. 31—Mechanics of Machinery.....	5
M. E. 81—Machine Shop Practise and Management.....	3
T. and A. M. 21—Analytical Mechanics.....	2
T. and A. M. 29—Resistance of Materials....	5
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Total.....	18

M. E. 4—Steam Engineering.....	3
M. E. 14—Thermodynamics.....	3
M. E. 40—Mechanical Engineering Design... 3	
M. E. 64—Steam Power Laboratory.....	3
M. E. 84—Machine Shop Practise and Management.....	3
Non-technical Elective ⁴	3
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Total.....	18

¹French, German, Spanish, or English.

²Any course in the Engineering, Commerce, or Liberal Arts and Science Colleges of at least sophomore grade, and Accountancy 1a and 1b.

³Semester hours. For definition see page 225.

⁴Any approved non-technical elective. See page 133.

FOURTH YEAR

E. E. 11—Direct Current Apparatus.....	3	E. E. 12—Alternating Current Apparatus.....	3
E. E. 61—Direct Current Laboratory.....	1	E. E. 62—Alternating Current Laboratory...	1
M. E. 5—Steam Engineering.....	3	M. E. 28—Heating and Ventilation.....	4
M. E. 15—Heat Engineering.....	3	M. E. 34—Aeronautical Engineering.....	3
M. E. 17—Refrigeration Engineering.....			
M. E. 33—Aeronautical Engineering.....	3	*M. E. 37—Principles of Man.....	3
*M. E. 37—Principles of Man.....			
M. E. 41—Engineering Design.....	4	M. E. 15—Heat Engineering.....	3
M. E. 65—Heat and Power Laboratory.....	3	Chem. 16—Engineering Chemistry..	3
M. E. 99—Inspection Trip.....	0	M. E. 52—Power Plant Design.....	3
		Non-technical Elective ¹	3
Total.....	17	Total.....	17

*M. E. 37 is required of all students.

Curriculum in Mining Engineering

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ²		Hours ³
Chem. 1a or 1b—Inorganic Chemistry.....	3 or 4	Chem. 4—Qualitative Analysis.....	4
G. E. D. 1 or 4—Elements of Drafting.....	4	G. E. D. 2—Descriptive Geometry.....	4
Math. 2—College Algebra.....	3	Math. 6—Analytic Geometry.....	5
Math. 4—Trigonometry.....	2	Rhet. 2—Rhetoric and Themes.....	3
Rhet. 1—Rhetoric and Themes.....	3	Phys. Ed. 2—Gymnasium.....	1
Phys. Ed. 1—Gymnasium.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{1}{2}$
Hyg. 1—Hygiene.....	$\frac{1}{2}$	Military—Theoretical Instruction.....	$\frac{1}{2}$
Military—Practical Instruction.....	$\frac{1}{2}$	Engineering Lecture.....	0
Military—Theoretical Instruction.....	$\frac{1}{2}$		
Engineering Lecture.....	0		
Total.....	17 or 18	Total.....	18

SECOND YEAR

Language ³	4	Language ³	4
Math. 7—Differential Calculus.....	5	Math. 9—Integral Calculus.....	5
Phys. 1a—Physics Lecture.....	3	Phys. 1b—Physics Lecture.....	2
Phys. 3a—Physics Laboratory.....	2	Phys. 3b—Physics Laboratory.....	2
Min. 1—Earth and Rock Excavation.....	3	T. and A. M. 20—Analytical Mechanics.....	3
Military—Practical Instruction.....	$\frac{1}{2}$	Geol. 43—Engineering Geology.....	5
Military—Theoretical Instruction.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{1}{2}$
		Military—Theoretical Instruction.....	$\frac{1}{2}$
Total.....	18	Total.....	18

THIRD YEAR

Chem. 5a—Quantitative Analysis.....	5	C. E. 58—Stresses in Mine Structures.....	2
Geol. 20—Mineralogy.....	3	M. E. 62—Steam Engineering and Power Laboratory.....	3
Min. 10—Electrical Engineering of Mines.....	3	Min. 4—Mining Methods.....	3
Min. 61—Elementary Mine Surveying.....	3	Min. 62—Mine Surveying.....	3
T. and A. M. 25—Resistance of Materials.....	4	T. and A. M. 26—Analytical Mechanics and Hydraulics.....	4
		Non-technical Elective ¹	3
Total.....	18	Total.....	18

Metallurgists take Chem. 7 instead of Mining 61.

Metallurgists take Min. 14 and Chem. 5b and drop Min. 4, Min. 62 and N. T. E.

FOURTH YEAR

Coal Mining Option

Chem. 7—Metallurgy.....	3	Min. 41—Principles of Coal Plant Design....	3
Chem. 65—Technical Gas and Fuel Analysis..	2	Min. 13—Utilization of Fuels.....	2
Min. 6—Mechanical Engineering of Mines.....	3	Min. 5—Mine Ventilation.....	3
Min. 8—Mine Law, Adm. and Accounts.....	3	Min. 64—Coal Preparation Laboratory.....	3
Min. 9—Coal and Ore Preparation.....	3	Min. 42—Coal Plant Design.....	2
Min. 21—Mine Examination and Valuation..	2	Min. 90a—Mining and Metallurgical Reports	2
Min. 99—Inspection Trip.....	0		
Non-technical Elective ¹	3		
Total.....	19	Total.....	15

¹Any approved non-technical elective. See page 133.

²Semester hours. For definition see page 225.

³French, German, Spanish, or English.

FOURTH YEAR

Ore Option

Chem. 7—Metallurgy.....	3
Chem. 69—Metallurgical Laboratory and Assaying.....	2
Min. 6—Mechanical Engineering of Mines.....	3
Min. 8—Mine Law, Adm., and Accounts.....	3
Min. 19—Ore and Coal Preparation.....	3
Min. 21—Mine Examination and Valuation..	2
Min. 99—Inspection Trip.....	0
Non-technical Elective ¹	3
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Total.....	19

Geol. 96—Economic Geology (Ore Deposits)...	3
Min. 43—Principles of Ore Plant Design.....	3
Min. 15a—Principles of Mine Ventilation.....	2
Min. 44—Ore Plant Design.....	2
Min. 66—Ore Concentration Laboratory.....	3
Min. 90a—Mining and Metallurgical Reports..	2
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Total.....	15

FOURTH YEAR

Metallurgical Option

Chem. 65—Technical Gas and Fuel Analysis..	2
Chem. 69—Metallurgical Laboratory and Assaying.....	2
Min. 8—Mine Law, Adm., and Accounts.....	3
Min. 17a—Problems.....	2
Min. 19—Ore and Coal Preparation.....	3
Min. 61—Elementary Mine Surveying.....	3
Min. 99—Inspection Trip.....	0
Non-technical Elective ¹	3
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Total.....	18

Chem. 78—Metallography.....	2
Min. 13—Utilization of Fuels.....	2
Min. 45—Principles of Mill and Smelter Design.....	3
Min. 46—Mill and Smelter Design.....	2
Min. 66—Ore Concentration Laboratory.....	3
Min. 90a—Mining and Metallurgical Reports..	2
Non-technical Elective ¹	3
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Total.....	17

Curriculum in Municipal and Sanitary Engineering

FIRST YEAR

FIRST SEMESTER

Hours²

Chem. 1a or 1b—Inorganic Chemistry.....	3 or 4
G. E. D. 1 or 4—Elements of Drafting.....	3
Math. 2—Advanced Algebra.....	4
Math. 4—Trigonometry.....	2
Rhet. 1—Rhetoric and Themes.....	3
Phys. Ed. 1 and 1a—Gymnasium and Hygiene.	1
Military—Practical Instruction.....	1/2
Military—Theoretical Instruction.....	1/2
Engineering Lecture.....	0
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Total.....	17 or 18

SECOND SEMESTER

Hours³

Chem. 4—Qualitative Analysis.....	3
G. E. D. 2—Descriptive Geometry.....	4
Math. 6—Analytic Geometry.....	5
Rhet. 2—Rhetoric and Themes.....	3
Phys. Ed. 2—Gymnasium.....	1
Military—Practical Instruction.....	1/2
Military—Theoretical Instruction.....	1/2
Engineering Lecture.....	0
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Total.....	18

SECOND YEAR

C. E. 27—Plane Surveying.....	3
Language ³	4
Math. 7—Differential Calculus.....	5
Phys. 1a—Physics Lectures.....	3
Phys. 3a—Physics Laboratory.....	2
Military—Practical Instruction.....	1/2
Military—Theoretical Instruction.....	1/2
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Total.....	18

C. E. 28—Higher Surveying.....	3
Language ³	4
Math. 9—Integral Calculus.....	3
Phys. 1b—Physics Lectures.....	3
Phys. 3b—Physics Laboratory.....	2
T. and A. M. 20—Analytical Mechanics.....	3
Military—Practical Instruction.....	1/2
Military—Theoretical Instruction.....	1/2
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Total.....	18

THIRD YEAR

Bact. 6—Bacteriology.....	2 1/2
Chem. 10b—Water Analysis.....	2 1/2
C. E. 53—Railroad Surveying.....	3
T. and A. M. 21—Analytical Mechanics.....	2
T. and A. M. 29—Resistance of Materials...	5
Non-technical Elective ¹	3
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Total.....	17

C. E. 52—Roads and Pavements.....	3
C. E. 60—Structural Stresses.....	4
C. E. 62—Structural Details.....	2
M. E. 2—Steam Engineering.....	3
T. and A. M. 10—Hydraulics.....	3
Non-technical Elective ¹	8
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Total.....	18

¹Any approved non-technical elective. See page 133.

²Semester hours. For definition see page 225.

³French, German, Spanish, or English.

FOURTH YEAR			
C. E. 75—Masonry Construction.....	3	C. E. 80—Contracts and Specifications.....	2
C. E. 95—Cement Laboratory.....	2	E. E. 4—Elementary Electrical Engineering..	2
C. E. 81—Reinforced Concrete.....	2	E. E. 64—Electrical Engineering Lab.....	1
M. E. 61—Power Measurement.....	2	M. and S. E. 3—Sewerage.....	3
M. and S. E. 2—Water Supply Engineering..	4	M. and S. E. 6b—Water Purification and Sewerage Disposal.....	2
M. and S. E. 6a—Water Purification and Sewerage Disposal.....	3	M. and S. E. 9—Hydraulic Design and Construction.....	2
M. and S. E. 99—Inspection Trip.....	0	M. and S. E. 98—Thesis or Approved Elective.	3
Non-technical Elective ¹	2	Non-technical Elective ²	2
Total.....	18	Total.....	17

Curriculum in General Engineering Physics

(Leading to the Degree of B. S.)

The object of this curriculum is to fit persons for investigations of general engineering problems calling for a knowledge of physics and mathematics. Students who expect to teach physics and allied subjects in engineering schools will also find this curriculum of interest.

FIRST YEAR		SECOND SEMESTER	
FIRST SEMESTER	Hours ³		Hours
Chem. 1a or 1b—Inorganic Chemistry.....	3-4	Chem. 4—Inorganic Chemistry.....	4
G. E. D. 1 or 4—Elements of Drafting.....	4	G. E. D. 2—Descriptive Geometry.....	4
Math. 2—Advanced Algebra.....	3	Math. 6—Analytic Geometry.....	5
Math. 4—Trigonometry.....	2	Rhet. 2—Rhetoric and Themes.....	3
Rhet. 1—Rhetoric and Themes.....	3	Phys. Ed. 2—Gymnasium.....	1
Phys. Ed. 1—Gymnasium.....	1/2	Military—Practical Instruction.....	1/2
Hyg. 1—Hygiene (men).....	1/2	Military—Theoretical Instruction.....	1/2
Military—Practical Instruction.....	1/2	Eng. Lecture.....	0
Military—Theoretical Instruction.....	1/2		
Eng. Lecture.....	0		
Total.....	17 or 18	Total.....	18
SECOND YEAR		THIRD YEAR	
German 1—Elementary German or French 1a.....	4	Math 9—Integral Calculus.....	2
Math. 7—Differential Calculus.....	5	German 3—Narrative Prose—or French.....	4
Chem. 5d—Elementary Quan. Analysis.....	4	Chemistry (Elective).....	3
Phys. 1a—Physics Lectures.....	3	Phys. 1b—Physics Lectures.....	2
Phys. 3a—Physics Laboratory.....	2	Phys. 3b—Physics Laboratory.....	2
Military—Practical Instruction.....	1/2	T. and A. M. 20—Analytical Mechanics.....	3
Military—Theoretical Instruction.....	1/2	Military—Practical Instruction.....	1/2
Total.....	19	Military—Theoretical Instruction.....	1/2
		Total.....	18
FOURTH YEAR		FOURTH YEAR	
Math. 9a—Advanced Calculus.....	2	Phys. 44b—Elec. and Mag. Measurements... 2	
Phys. 44a—Elec. and Mag. Measurements... 3		Phys. 17 and 27—Light or	
Phys. 16 and 36—Heat.....	3	Phys. 23 and 33—Sound.....	3
E. E. 25—D C. Theory.....	4	M. E. 62—Power Measurement.....	3
E. E. 75—D C. Laboratory.....	2	E. E. 26—Alternating Current Theory.....	4
T and A M 25—Resistance of Materials... 4		E. E. 76—Alternating Current Laboratory... 2	
Total.....	18	Electives ³	4
		Total.....	18
FOURTH YEAR		FOURTH YEAR	
Phys. 14a—Dynamics.....	3	Math. 17—Differential Equations.....	3
Phys. 31a—Special Investigation.....	3	Phys. 24 and 27—Properties of Matter or	
Math. 16—Adv Cal. and Diff. Equations... 3		Phys. 30—Introduction to Theoretical Electricity.....	3
M. E. 11—Thermodynamics.....	3	Phys 31b—Thesis ⁴	3
Physics Colloquium.....	0	Chem. 31—Physical Chemistry.....	4
Electives ³	5	Elective ³	4
Total.....	17	Total.....	17

¹Any approved non-technical course. See page 133.²Semester hours. For definition see page 225.³At least nine hours of electives must be non-technical and the number selected should be such as to give a total of 141 or 142 semester hours, depending upon whether Chem. 1a or 1b is taken.⁴Only students having high grades may elect a thesis.

Curriculum in Railway Civil Engineering

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours
Chem. 1a or 1b—Inorganic Chemistry.....	3-4	Chem. 4—Qualitative Analysis.....	4
G. E. D. 1 or 4—Elements of Drafting.....	4	G. E. D. 2—Descriptive Geometry.....	4
Math. 2—College Algebra.....	3	Math. 6—Analytic Geometry.....	5
Math. 4—Trigonometry.....	2	Rhet. 2—Rhetoric and Themes.....	3
Rhet. 1—Rhetoric and Themes.....	3	Phys. Ed. 2—Gymnasium.....	1
Phys. Ed. 1—Gymnasium.....	1½	Military—Practical Instruction.....	½
Hyg. 1—Hygiene (men).....	½	Military—Theoretical Instruction.....	½
Military—Practical Instruction.....	½	Engineering Lecture.....	0
Military—Theoretical Instruction.....	½		
Engineering Lecture.....	0		
Total.....	17-18	Total.....	18

SECOND YEAR

C. E. 27—Elementary Surveying.....	3	C. E. 28—Topographic Surveying.....	3
Language ²	4	Language ²	4
Math. 7—Differential Calculus.....	5	Math. 9—Integral Calculus.....	3
Physics 1a—Physics Lectures.....	3	Physics 1b—Physics Lectures.....	2
Physics 3a—Physics Laboratory.....	2	Physics 3b—Physics Laboratory.....	2
Military—Practical Instruction.....	½	T. and A. M. 20—Analytical Mechanics.....	3
Military—Theoretical Instruction.....	½	Military—Practical Instruction.....	½
		Military—Theoretical Instruction.....	½
Total.....	18	Total.....	18

THIRD YEAR

C. E. 51—Railroad Surveying.....	5	C. E. 60—Structural Stresses.....	4
M. E. 1—Steam and Air Machinery.....	3	C. E. 62—Structural Details.....	2
R. E. 25—Railway Development.....	3	R. E. 32—Railway Construction.....	3
T. and A. M. 21—Analytical Mechanics.....	2	R. E. 36—Railway Maintenance.....	3
T. and A. M. 29—Resistance of Materials.....	5	T. and A. M. 10—Hydraulics.....	3
		Non-technical Elective ³	3
Total.....	18	Total.....	18

FOURTH YEAR

C. E. 75—Masonry Construction.....	3	C. E. 80—Contracts and Specifications.....	2
C. E. 81—Reinforced Concrete Theory.....	2	E. E. 4—Elem. Electrical Eng.....	2
C. E. 73—Bridge Design.....	4	E. E. 64—Elec. Engineering Lab.....	1
C. E. 95—Plain Concrete.....	2	R. E. 33—Railway Location.....	4
R. E. 31—Ry. Yards and Terminals.....	3	R. E. 51—Seminar.....	1
R. E. 35—Railway Signaling.....	1	R. E. 98—Thesis (or technical elective).....	3
R. E. 37—Railway Maintenance.....	2	Non-technical Elective ³	4
R. E. 99—Inspection Trip.....	0		
Total.....	17	Total.....	17

Curriculum in Railway Electrical Engineering

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Chem. 1a or 1b—Inorganic Chemistry.....	3-4	Chem. 4—Qualitative Analysis.....	4
G. E. D. 1 or 4—Elements of Drafting.....	4	G. E. D. 2—Descriptive Geometry.....	4
Math. 2—College Algebra.....	3	Math. 6—Analytic Geometry.....	5
Math. 4—Plane Trigonometry.....	2	Rhet. 2—Rhetoric and Themes.....	3
Rhet. 1 ² —Rhetoric and Themes.....	3	Phys. Ed. 2—Gymnasium.....	1
Phys. Ed. 1—Gymnasium.....	1½	Military—Practical Instruction.....	½
Hyg. 1—Hygiene (men).....	½	Military—Theoretical Instruction.....	½
Military—Practical Instruction.....	½	Eng. Lecture.....	0
Military—Theoretical Instruction.....	½		
Eng. Lecture.....	0		
Total.....	17-18	Total.....	18

¹Semester hours. For definition see page 225.²French, German, Spanish, or English.³Any approved non-technical course. See page 133.

SECOND YEAR

Language ¹	4	Language ¹	4
Math. 7—Differential Calculus.....	5	Math. 9—Integral Calculus.....	3
M. E. 77—Foundry Work.....	3	M. E. 75—Forge Work.....	1
Phys. 1a—Physics Lectures.....	3	M. E. 79—Pattern Work.....	2
Phys. 3a—Physics Laboratory.....	2	Phys. 1b—Physics Lectures.....	2
Military—Practical Instruction.....	$\frac{1}{2}$	Phys. 3b—Physics Laboratory.....	2
Military—Theoretical Instruction.....	$\frac{1}{2}$	T. and A. M. 20—Analytical Mechanics.....	3
		Military—Practical Instruction.....	$\frac{1}{2}$
		Military—Theoretical Instruction.....	$\frac{1}{2}$
Total.....	18	Total.....	18

THIRD YEAR

E. E. 25—Direct Current Apparatus.....	4	Econ. 2—Principles of Economics.....	3
E. E. 75—Electrical Laboratory.....	2	E. E. 26—Alternating Currents.....	4
Phys. 44a—Elec. and Mag. Measurement.....	3	E. E. 76—Electrical Laboratory.....	2
R. E. 25—Railway Development.....	3	M. E. 10—Thermodynamics.....	3
R. E. 59—Electric Railway Principles.....	2	Phys. 44b—Elec. and Mag. Measurement.....	2
T. and A. M. 25—Resistance of Materials....	4	R. E. 60—Electric Railway Principles.....	2
		T. and A. M. 36—Analytical Mechanics.....	2
Total.....	18	Total.....	18

FOURTH YEAR

M. E. 3—Steam Engineering.....	3	C. E. 80—Contracts and Specifications.....	2
M. E. 61—Mechanical Laboratory.....	2	E. E. 56—Electrical Design.....	4
R. E. 35—Railway Signaling.....	1	R. E. 63—Electric Railway Laboratory.....	2
R. E. 62—Electric Railway Laboratory.....	2	R. E. 74—Electric Railway Economics.....	3
R. E. 64—Electric Railway Practise.....	3	R. E. 98—Thesis (or technical elective).....	3
R. E. 67—Seminar.....	1	Non-technical Elective ²	3
R. E. 71—Electric Railway Machinery.....	2		
R. E. 99—Inspection Trip.....	0		
Non-technical Elective ²	3		
Total.....	17	Total.....	17

Curriculum in Railway Mechanical Engineering

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ³		Hours ³
Chem. 1a or 1b—Inorganic Chemistry.....	3-4	Chem. 4—Qualitative Analysis.....	4
G. E. D. 1 or 4—Elements of Drafting.....	4	G. E. D. 2—Descriptive Geometry.....	4
Math. 2—Algebra.....	5	Math. 6—Analytic Geometry.....	5
Math. 4—Trigonometry.....	2	Rhet. 2—Rhetoric and Themes.....	3
Rhet. 1—Rhetoric and Themes.....	3	Phys. Ed. 2—Gymnasium.....	1
Phys. Ed. 1—Gymnasium.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{1}{2}$
Hyg. 1—Hygiene (men).....	$\frac{1}{2}$	Military—Theoretical Instruction.....	$\frac{1}{2}$
Military—Practical Instruction.....	$\frac{1}{2}$	Eng. Lecture.....	0
Military—Theoretical Instruction.....	$\frac{1}{2}$		
Eng. Lecture.....	0		
Total.....	17-18	Total.....	18

SECOND YEAR

Language ¹	4	Language ¹	4
Math. 7—Differential Calculus.....	5	Math. 9—Integral Calculus.....	3
M. E. 75 and 79—Forge and Pattern Work or M. E. 77—Foundry.....	3	M. E. 75 and 79—Forge and Pattern Work or M. E. 77—Foundry.....	3
Phys. 1a—Physics Lectures.....	3	Phys. 1b—Physics Lectures.....	2
Phys. 3a—Physics Laboratory.....	2	Phys. 3b—Physics Laboratory.....	2
Military—Practical Instruction.....	$\frac{1}{2}$	T. and A. M. 20—Analytical Mechanics.....	3
Military—Theoretical Instruction.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{1}{2}$
		Military—Theoretical Instruction.....	$\frac{1}{2}$
Total.....	18	Total.....	18

¹French, German, Spanish, or English.

²Any approved non-technical course. See page 133

³Semester hours. For definition see page 225.

THIRD YEAR

M. E. 13—Thermodynamics.....	3	M. E. 4—Steam Engineering.....	3
M. E. 81—Machine Shop Practise and Management.....	3	M. E. 14—Thermodynamics.....	3
R. E. 25—Railway Development.....	3	M. E. 40—Engineering Design.....	3
R. E. 3—Locomotives.....	2	M. E. 64—Steam Power Lab.....	3
T. and A. M. 21—Analytical Mechanics.....	2	M. E. 84—Machine Shop Practise and Management.....	3
T. and A. M. 29—Resistance of Materials.....	5	R. E. 4—Locomotives.....	3
Total.....	18	Total.....	18

FOURTH YEAR

E. E. 11—Direct Current Apparatus.....	3	C. E. 80—Contracts and Specifications.....	2
E. E. 61—Direct Current Laboratory.....	1	E. E. 12—Alternating Current Apparatus.....	3
M. E. 37—Principles of Management or		E. E. 62—Alternating Current Laboratory...	1
R. E. 31—Railway Yards and Terminals.....	3	R. E. 7—Advanced Design.....	5
R. E. 2—Locomotive Design.....	3	R. E. 8—Railway Laboratory.....	2
R. E. 5—Railway Laboratory.....	3	R. E. 61—Electric Traction.....	3
R. E. 9—Seminar.....	1	Non-technical Elective ¹	3
R. E. 99—Inspection Trip.....	0		
Non-technical Elective ¹	3		
Total.....	17	Total.....	17

¹Any approved non-technical course. See page 133.

THE COLLEGE OF AGRICULTURE

For the *buildings* used by this College, see page 49; for a list of its *curriculums*, page 60; for *clubs, auxiliary to its curriculums*, page 94; for *honors*, page 83; for *honorary societies*, page 93, for *fees and expenses*, page 102.

GENERAL STATEMENT

This College offers curriculums to both men and women. The curriculums offered are designed for four different purposes:

First, and mainly, to train for the profession of farming.

Second, to train for the teaching of agriculture in the public schools.

Third, to train for the profession of landscape gardening.

Fourth, to train for the profession of floriculture.

The curriculums offered by the department of home economics have two purposes in view:

First, and mainly, to train young women in the science of household affairs.

Second, to prepare teachers for giving instruction in domestic science in high schools, and, in connection with the College of Liberal Arts and Sciences, to fit for college and university positions.

In the case of both men and women the great purpose is to prepare for the practical affairs of life. In order that technical knowledge and skill may be developed along with, and not at the expense of, those things which tend to the production of cultured and versatile men and women, the technical work is closely associated with the related sciences, and students are required to divide their time fairly with those subjects that develop general knowledge and breadth of view.

The College offers over one hundred and sixty courses of instruction in technical subjects, besides opportunity to elect from the scientific and literary offerings of the other colleges of the University.

The elective system prevails, and with a few exceptions the student is left free to select those subjects which meet his needs, always under the advice and guidance of the faculty.

Credit is given for all work accomplished; this credit counts toward graduation if the student desires a degree.

ADMISSION

For the requirements for admission to the College of Agriculture, see the general statement of the entrance requirements of the University, pages 62-80.

ADMISSION TO GRADUATE WORK IN AGRICULTURE

While in general it will be expected that applicants for admission to the Graduate School shall have had an undergraduate course in scientific and technical agriculture equivalent to that of the University of Illinois, yet students who are otherwise eligible for admission to the Graduate School may be admitted to graduate standing in agriculture if they have had a thoro training in the fundamental sciences, even tho their undergraduate curriculum may have lacked to some extent the amount and kind of technical work included in our course.

SCHOLARSHIPS IN AGRICULTURE AND HOME ECONOMICS

For detailed information concerning scholarships in agriculture and home economics, see page 97.

FACILITIES FOR INSTRUCTION AND METHODS OF WORK

The affiliation of the College with the Agricultural Experiment Station enables the University to support a larger faculty than would otherwise be possible, and permits a higher degree of specialization. For the most part, those who teach in the College conduct experiments in the same subjects in the Station.

The methods of instruction vary with the nature of the courses. In general the laboratory method prevails. Text-books are used when good ones are available. Laboratory and text are supplemented by lectures and reference readings.

AGRICULTURAL EXTENSION

Agricultural extension work serves as the intermediary between the College of Agriculture and the Agricultural Experiment Station and the local community and the farm. Each department does extension work, and so far as possible provides special men for such work. The responsibility for the work of these men lies with their own department. For this reason not all of the extension effort issues from one office.

For administrative purposes and for the coordination of these activities through a regular channel, agricultural extension is administered as a separate department, conducting all extension enterprises which do not deal with technical subjects and cooperating with other departments in diffusing the results of their work in the State.

Some of the general extension enterprises are: Agricultural extension schools and demonstrations in different localities; the two weeks' course given annually at the College in January; helping at farmers' institutes and similar gatherings, with special railway lecture trains, at the boys' state fair school, and in educational exhibits at fairs and elsewhere; welfare work in rural communities; and excursions to the College. (See also under University Extension, Part V.)

Courses of study are offered to assist in determining what phases of agriculture are suitable for secondary school purposes and how they should be taught, and for the discussion of methods of organizing extension activities.

AGRONOMY

The department of agronomy gives instruction in those subjects which relate to the field, such as field crops; the chemistry, physics, and biology of the soil; manures and rotation in their relation to fertility; plant breeding. The department possesses equipment and facilities for instruction in these subjects, and, in addition, affords opportunities for contact with the research work of the Agricultural Experiment Station, especially in crop production, soil fertility, soil biology, and plant breeding, in the analytical and pot-culture laboratories on the soil bins on the experiment fields at the University and in other parts of the State.

Attention is called to the fact that, if circumstances prohibit a regular four-year curriculum, it is possible for a student who has had sufficient preparatory training to arrange his studies so as to obtain the necessary prerequisites and complete a general course in soil physics and soil fertility in two years. (See Agronomy 9 and 12.)

ANIMAL HUSBANDRY

The department of animal husbandry offers courses covering the study of sheep, swine, poultry, and beef cattle and their products; heavy and light horses, with their care and training; the management of herds, flocks, and studs; feeding, breeding, and marketing; and the chemical and physiological phase of animal nutrition.

The University herds, flocks, and studs contain about six hundred pure-bred cattle, swine, sheep, and horses, and several hundred fowls, ducks, and turkeys, which are available for class purposes. These animals are also used for investigations in feeding and breeding, and for illustration of breed types and characteristics. The breeds represented are Short-horn, Hereford, and Aberdeen Angus cattle; Poland-China, Berkshire, Duroc Jersey, Chester White, Large Yorkshire, and Hampshire swine; Shropshire, Oxford, Southdown, Hampshire, Rambouillet, and Corriedale sheep; and Percheron, Hackney Pony, and American Saddle horses. In addition to this pure-bred live stock, a large number of grade animals of the various classes of live stock furnish material for judging practise. In this practise, standard market classes and grades of live stock are illustrated, and instruction is given in the selection of animals according to feed-lot and market requirements. The stock pavilion offers opportunity for show and judging work. (For detailed description, see page 50). The lectures of the various courses are supplemented by 1,000 or more lantern slides, charts, diagrams, models, and photographs. Pedigree and breed work is facilitated by 75 sets of the different herd, stud, and flock register, and complete files of the leading American and British journals.

The equipment for instruction and investigation in the feeding, breeding, and management of live stock consists of modern buildings for the housing of beef cattle, swine, sheep

horses, and poultry and a feed storage barn, with various forms of grinding mills and other machinery for the preparation of feed. The laboratories of the department afford facilities for both undergraduate and advanced study in animal nutrition, genetics, and animal diseases.

DAIRY HUSBANDRY

The department of dairy husbandry furnishes instruction in the production and care of milk and in the manufacture of dairy products. It also furnishes instruction in dairy bacteriology and dairy chemistry.

The various courses cover the application of science to dairy problems, approved methods in dairy operations, and the economic significance of these operations.

In addition to laboratories and lecture rooms, its equipment includes a farm of 160 acres with buildings; about 150 milch cows, bulls, and young stock, including a herd crossed between the Guernsey and Holstein-Friesian breeds, and typical representatives of the Ayrshire, Guernsey, Jersey, and Holstein-Friesian breeds; a manufactory with modern equipment for handling city milk and making butter, cheese, ice cream, and condensed milk; and facilities for the distribution of milk on the University milk route.

FARM MECHANICS

The department of farm mechanics offers courses covering the principles of engineering as applied to the various phases of agriculture, including the subject of elementary farm mechanics, drainage, farm buildings, concrete construction, farm machinery, tractors, harvesting machinery, dairy machinery, and farm home equipment.

This department has a large assortment of tractors, gas engines, and a full line of farm machinery for student use. Lighting units, water systems, etc. are provided in the home equipment laboratory. Drafting room is provided for work in farm buildings, and adequate facilities for concrete construction.

Students who would specialize in this field should supplement the above courses with higher mathematics, mechanics, and other basic engineering courses as given in the College of Engineering.

FARM ORGANIZATION AND MANAGEMENT

The department of farm organization and management offers instruction in that field of study which is concerned with the application of the principles of economics and accounting to the business of farming.

It deals with both the problems of farm organization and farm operation. The work is based not only upon the literature available on the subjects, but upon the detailed farm management and cost accounting studies being carried on with a considerable number of farmers located in several sections of the state.

Field trips, on which some of the cooperating farms are visited and for which complete accounting data is presented, constitutes a part of the regular work.

Special problems on systems of farming, the organization of individual farms, and land ownership and tenure are pursued by advanced students.

A special circular in which economics, accounting, business organization and farm management occupy an important place is provided for agricultural students.

HOME ECONOMICS

The courses given in this department are planned to meet the needs of two classes of students, viz.: (a) those who wish to specialize in home economics; (b) those who wish to specialize in teacher training under the Smith-Hughes act.

The department is housed in the north wing of the Women's Building. The first floor contains two class rooms, a seminar room, an exhibition room for illustrative material for work in house construction and textile fabrics, offices, and cloak rooms. On the second floor are individual, diet, institutional, and class kitchens, small and large dining rooms, applied science laboratory, two large sewing rooms, offices, and store rooms. On this floor provision is made for the study of the preparation and service of food in large quantities in the institutional kitchen and large dining room adjoining. The equipment on this floor provides practise for those interested in the problems of lunchroom management and for dietitians. The third floor contains laboratories for dress design and sewing, offices, equipment for teaching home care of the sick, and an apartment in which the problems of house construction and furnishing and household administration are studied.

HORTICULTURE

The department of horticulture offers courses in the five divisions of horticulture (pomology, olericulture, floriculture, landscape gardening, and forestry), and also in subjects dealing with all the divisions, such as plant propagation, spraying, the evolution of horticultural plants, and experimental horticulture.

For instruction in pomology, use is made of the fruit plantations maintained by the department. The orchards of different ages afford opportunities for practise in pruning and studies of tree types, while the products furnish materials for practise in the grading and packing of fruits and the study of systematic pomology. A collection of fruit packages illustrates the types used in commercial packing. There is also a collection of wax models of fruits representing the principal varieties grown in Illinois.

For olericulture, or vegetable gardening, certain areas of ground are reserved on which garden operations are illustrated and various crops are grown. The equipment also includes a greenhouse 105x28 feet, hotbed frames and sash, and an assortment of seed drills, and wheel hoes, hand tools, markers, planters, and other appliances for the growing and handling of vegetables.

The equipment in floriculture includes ten glass houses covering an area of 28,000 square feet, and a service building. Six of the houses, including the palm house, with an area of 3,200 square feet, are used for instructional work exclusively, and the other four, while intended primarily for experimental purposes, add to the facilities for instruction in floriculture as conducted on a commercial basis. Besides roses, carnations, and chrysanthemums, the houses contain a selection of plants representing all the forms used in commercial and decorative or conservatory work. The service building contains laboratories, class rooms, offices, and potting, storage, and work rooms. An assortment of florists' supplies is maintained. Floricultural periodicals, reference books, and a series of over eight hundred slides add to the equipment. The ornamental gardens maintained by the department furnish illustrative materials for students in floriculture and landscape gardening.

The equipment in landscape gardening includes four drafting rooms with desks for individuals, modern filing devices for office practise, seminar rooms, lecture rooms, offices and a library. The library contains a complete collection of books, periodicals, pamphlets, photographs of examples of foreign and American landscape gardening, and works on civic design, all carefully indexed. There is a collection of representative drawings and blueprints from the offices of practising landscape architects, and one of city maps.

The collection of trees and shrubs growing on the campus and about certain residences near the University furnishes material for plant studies in the courses in planting design. The herbarium of the division is also available for reference. A series of 3,500 lantern slides is used in lectures.

Instruction in forestry is facilitated by a collection of native woods and a forest tree plantation of about twenty acres, containing Scotch pine, white pine, Norway spruce, European larch, green ash, black walnut, hickory, bur oak, white elm, and other species.

REQUIREMENTS FOR GRADUATION

Students who have satisfied the University requirements as to registration and residence and have maintained throughout their course a satisfactory record of scholarship and moral character will be graduated with the degree of Bachelor of Science, on completion of the studies of the prescribed list and sufficient electives to make a total of 130 semester hours.

A thesis is not required for graduation, but any student who has completed not less than 90 hours of credit before the senior year may then elect a thesis course in any department provided he has done not less than 20 hours' work in courses pertinent to the thesis problem, subject to the approval of the head of the department.

Graduates of approved colleges may expect to secure a degree in agriculture from the University on completion of the technical and scientific requirements. This will ordinarily require approximately two years of residence work; a minimum of one year is required.

In physical education not more than five semester hours for men and seven semester hours for women are accepted toward graduation.

GENERAL CURRICULUM IN AGRICULTURE

Required for the Degree of Bachelor of Science in Agriculture

All students except those in the special curriculums in home economics, floriculture, and landscape gardening are required to take the same work during the freshman year and part

of the sophomore year. This work gives the student a correct conception of the fundamental farm practices and an insight into the technical branches of agriculture, such as animal and dairy husbandry, horticulture, farm crops, soils, farm mechanics, and buildings, and leaves the junior and senior years open for elective studies.

One hundred thirty hours are required for graduation, as follows:

Agriculture prescribed first two years.....	22 hours	
Agriculture prescribed as electives.....	37 hours	
<hr/>		
Total agriculture required.....		59 hours
Non-agriculture prescribed.....	41 hours	
Non-agriculture prescribed as electives.....	15 hours	
<hr/>		
Total non-agriculture required.....		56 hours
Open electives.....		15 hours
<hr/>		
		130 hours

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Agron. 25—Farm Crops.....	4	Agron. 25—Farm Crops.....	4
Chem. 1—Inorganic Chemistry.....	5	or	
A. H. 5—Live Stock Judging.....	3	A. H. 5—Live Stock Judging.....	3
D. H. 24—Elements of Dairy Husbandry.....	3	D. H. 24—Elements of Dairy Husbandry.....	3
Chem. 1a—Inorganic Chemistry.....	3	and	
Ag. Ext. 4—Elementary Agricultural Extension	1	Chem. 2a—Inorganic Chemistry and Quali-	
Hort. 1a—Elements of Horticulture.....	2	tative Analysis.....	5
Rhet. 1 ² —Rhetoric and Themes.....	3	Hort. 1b—Elements of Horticulture.....	2
Phys. Ed. 1 and 1a—Gymnasium and Hygiene	3	Rhet. 2—Rhetoric and Themes.....	3
Military—Practical Instruction.....	1	Phys. Ed. 2—Gymnasium.....	1
Military—Theoretical Instruction.....	1/2	Military—Practical Instruction.....	1/2
	1/2	Military—Theoretical Instruction.....	1/2
Total.....	17	Total.....	16-18

SECOND YEAR

A. H. 8—Principles of Breeding.....	2	A. H. 8—Principles of Breeding.....	2
A. H. 21—Principles of Feeding.....	2	A. H. 21—Principles of Feeding.....	2
Botany 1—General Botany.....	5	Botany 1—General Botany.....	5
or		or	
Farm Mech. 1—Elementary Farm Mechanics	3	Farm. Mech. 1—Elementary Farm Mechanics	3
Chemistry 13a—Elementary Quantitative		Chemistry 13a—Elementary Quantitative	
Analysis.....	5	Analysis.....	5
Military—Practical Instruction.....	1/2	Military—Practical Instruction.....	1/2
Military—Theoretical Instruction.....	1/2	Military—Theoretical Instruction.....	1/2
Electives.....	5-9	Electives.....	5-9
Total.....	15-18	Total.....	15-18

In addition to the prescribed subjects, students will take the following:

Agriculture, electives.....	37 hours
Non-agricultural, electives.....	15 hours
English 20.....	4 hours
Science, elective.....	5 hours
Open electives.....	15 or 17 hours

Curriculum in Farm Organization and Management

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
Prescribed Subjects		Prescribed Subjects	
	Hours ¹		Hours
Agr. Ext. 4—Elementary Agricultural Ex-		An. Husb. 5—Live Stock Judging.....	3
tension.....	1	Chem. 2a—Inorganic Chemistry and Quali-	
Agron. 25—Farm Crops.....	4	tative Analysis.....	5
Chem. 1 or 1a—Inorganic Chemistry.....	5-3	D. Husb. 24—Elements of Dairy Husbandry.....	3
Hort. 1a—Elements of Horticulture.....	2	Hort. 1b—Elements of Horticulture.....	2
Rhet. 1—Rhetoric and Themes.....	3	Rhet. 2—Rhetoric and Themes.....	3
Phys. Ed. 1—Gymnasium.....	1/2	Phys. Ed. 2—Gymnasium.....	1
Hyg. 1—Hygiene (men).....	1/2	Military—Practical Instruction.....	1/2
Military—Practical Instruction.....	1/2	Military—Theoretical Instruction.....	1/2
Military—Theoretical Instruction.....	1/2		
Total.....	15-17	Total.....	18

¹Semester hours. For definition, see page 225.

SECOND YEAR

An. Husb. 8—Elementary Principles of Breeding.....	2	Chem. 13a—Elementary Quantitative Analysis.....	5
An. Husb. 21—Principles of Feeding.....	3	An. Husb. 2a—Swine Judging.....	2
Bot. 1—General Botany.....	5	An. Husb. 2b—Swine Management.....	3
Econ. 1—Principles of Economics.....	5	Farm Mech. 1—Elementary Farm Mechanics.....	3
Econ. 26—Economic Resources.....	3	Engl. 20—Chief English Writers of the 19th Century.....	4
Military—Practical Instruction.....	1/2	Military—Practical Instruction.....	1/2
Military—Theoretical Instruction.....	1/2	Military—Theoretical Instruction.....	1/2
Total.....	19	Total.....	18

In addition to the above courses, the following are prescribed:

Accountancy 11.....	4 hours
Economics 3.....	3 hours
Economics 16.....	3 hours
Elective Economics, a minimum of.....	6 hours
Business Law 2.....	3 hours
Farm Management 1.....	3 hours
Farm Management 4.....	2 hours
Farm Management 5.....	3 hours
Philosophy 1.....	3 hours
Elective Agriculture, minimum of.....	22 hours
Open Elective.....	8-6 hours

Total.....130 hours

The following general sequence of courses is suggested:

THIRD YEAR

<i>Suggested Courses</i>		<i>Suggested Courses</i>	
Agron. 9—Soil Physics and Management.....	5	Agron. 12—Soil Fertility, Fertilizers, Rotations.....	5
An. Husb. 11a—Beef Cattle Judging.....	2	An. Husb. 4a—Judging Horses and Mules.....	2
An. Husb. 11b—Beef Production.....	3	An. Husb. 4b—Horse Production.....	3
Acc'y 11—Farm Accounting.....	4	Econ. 14—Cooperation in Agriculture.....	2
Econ. 16—Economics of Agriculture.....	3	Econ. 3—Money and Banking.....	3
		Farm Management 1—Elementary Farm Management.....	3
Total.....	17	Total.....	18

FOURTH YEAR

<i>Suggested Courses</i>		<i>Suggested Courses</i>	
Economics 13.....	2	Farm Management 5.....	3
Philosophy 1.....	3	Economics 15.....	2
Business Law 2.....	3	Agronomy 7.....	3
Farm Management 4.....	2		
Total.....	10	Total.....	8

CURRICULUM IN FLORICULTURE

Required for the Degree of Bachelor of Science in Floriculture

The object of this curriculum is to fit men and women for the profession of floriculture. The laboratory exercises in the technical subjects consist of practical work in the green-houses and gardens and give the students a working knowledge of the best methods now in use.

Of the 130 hours required for graduation, 98-100 are provided for in the prescribed list. The other 32-30 hours of credit necessary for graduation are electives.

Students registered in Floriculture will be required to make at least one inspection trip before graduation. The annual trip costs about \$25.00.

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
<i>Prescribed Subjects</i>		<i>Prescribed Subjects</i>	
	Hours ¹		Hours
Chem. 1 or 1a—Inorganic Chemistry.....	5-3	Chem. 2a—Inorganic Chemistry and Qualitative Analysis.....	5
Hort. 5—Plant Propagation.....	3	Hort. 4—Plant Houses.....	3
Rhet. 1—Rhetoric and Themes.....	3	Rhet. 2—Rhetoric and Themes.....	3
Ent. 4—Economic Entomology.....	3	Bot. 1—General Botany.....	5
Phys. Ed. 1—Gymnasium.....	1/2	Phys. Ed. 2—Gymnasium.....	1
Hyg. 1—Hygiene (men).....	1/2	Military—Practical Instruction.....	1/2
Military—Practical Instruction.....	1/2	Military—Theoretical Instruction.....	1/2
Military—Theoretical Instruction.....	1/2		
Total.....	14-16	Total.....	18

¹Semester hours. For definition, see page 225.

SECOND YEAR

Agron. 9—Soil Physics.....	5	Hort. 15a—Greenhouse Management.....	3
Bot. 27a—Plant Physiology.....	5	Hort. 24a—Trees and Shrubs.....	3
Engl. 20—Chief English Writers.....	4	Hort. 31—Garden Flowers.....	3
Military—Practical Instruction.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{3}{2}$
Military—Theoretical Instruction.....	$\frac{1}{2}$	Military—Theoretical Instruction.....	$\frac{1}{2}$
Total.....	15	Total.....	10

THIRD YEAR

Bot. 7a—Plant Pathology.....	3	Hort. 7—Spraying.....	3
Hort. 15b—Commercial Crops.....	3	Hort. 15c—Commercial Crops.....	3
Hort. 24b—Trees and Shrubs.....	3	Hort. 42—Landscape Design.....	3
Econ. 1—Principles of Economics.....	5		
Total.....	14	Total.....	9

FOURTH YEAR

Hort. 43—Greenhouse Fertilizers.....	3	Hort. 32b—Floral Decoration.....	3
Hort. 32a—Floral Decoration.....	3	Hort. 45—Plant Nutrition.....	3
B. O. and O.....	3	Hort. 30—Tender Bedding Plants.....	3
Total.....	9	Total.....	9

Suggested Electives

FIRST SEMESTER		SECOND SEMESTER	
Acc'y 1a.....	3	Acc'y 1b.....	3
An. Husb. 30—Genetics.....	5	Bot. 3a—Plant Anatomy.....	5
Hort. 26a ¹ —Planting Design.....	3	Bot. 4a—Taxonomy of Cormophytes.....	5
Bot. 14a—Heredity, Variation, Evolution.....	2	Bot. 14b—Heredity, Variation, Evolution.....	2
Rhet. 10—Business Writing.....	2	Hort. 26b ¹ —Planting Design.....	3
Sociology 1—Principles of Sociology.....	3	Chem. 9 and 9c—Elementary Organic Chemistry.....	5

CURRICULUM IN GENERAL HOME ECONOMICS

The work offered in Home Economics in the College of Agriculture falls into two groups: first, the general course in Home Economics designed for college women who wish to know the application of Home Economics to the home; second, the course in teacher training under the Smith-Hughes bill for vocational education.

Of the 130 hours required for graduation, 96 are provided for in the prescribed list and the restricted electives of List A. The other 34 hours of credit necessary for graduation may be taken, subject to the approval of the Dean of the College, from any courses offered in the University. Holders of scholarships in home economics in this College take the course as laid out here. Variations from it can be made only by special permission of the Council of Administration on recommendation of the faculty of the College.

To satisfy the requirements for graduation, students transferring from other institutions must take at least one of the following: Home Economics 4, 5, 11, 18 or 28.

Prescribed Subjects

Required for Degree of Bachelor of Science in Home Economics

Art and Design 1, 12.....	5 hours
Bacteriology 5a, 5b.....	5 hours
Botany 1 or Zoology 1.....	5 hours
Chemistry 1 or 1a, 2a.....	8 or 10 hours
Economics 2.....	3 hours
English 1, 2.....	8 hours
Home Economics 1, 2, 3, 5, 6, 7, 10, 12, 13, 19.....	31 hours
History 1a-1b, or 3a-3b.....	6 or 8 hours
Hygiene 2.....	1 hour
Physiology 1, 4.....	5 hours
Physical Education 7a-7b, 8a-8b.....	4 hours
Rhetoric 1, 2.....	6 hours
English or Rhetoric.....	5 hours
List A, a minimum of.....	4 hours
Total required hours.....	96 or 100 hours
Electives.....	34 or 30 hours
Total.....	130 hours

¹Horticulture 26a and Horticulture 26b may be taken by students in Horticulture after having completed the work of courses 24a, 24b, 31, and 42 in Horticulture.

Electives

List A.—Agricultural Extension 3, 4
 Agronomy, 7, 9, 12, 25
 Animal Husbandry 10, 5, 36
 Dairy Husbandry 1, 24, 4
 Economics 22, 26
 Education 6, 10, 25
 English 12, 13, 21, 22, 23, 24
 Farm Mechanics 26
 Home Economics 11, 14, 18
 Horticulture 1a, 1b, 2, 3, 5, 10a, 19
 Physics 7a, 8a
 Psychology 1
 Sociology 1

Suggested Curriculum

FIRST YEAR

FIRST SEMESTER

Hours¹

A. and D. 1—Freehand Drawing.....	3
Chem. 1 or 1a ² —Inorganic Chemistry.....	5 or 3
Hyg. 2—Essentials of Hygiene and Sanitation.....	1
Lib. Sci. 12—General Reference.....	2
Rhet. 1—Rhetoric and Themes.....	3
Phys. Ed. 7a—Practise.....	1
Total.....	15 or 13

Electives

Home Econ. 7—Textiles.....	3
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SECOND SEMESTER

Hours¹

A. and D. 12—Applied Design.....	2
Chem. 2a—Inorg. Chem. and Qual. Anal.....	5
Home Econ. 1 ³ —Sel. and Prep. of Food.....	3
Home Econ. 7—Textiles.....	3
Rhet. 2—Rhetoric and Themes.....	3
Phys. Ed. 7b—Practise.....	1
Total.....	17

SECOND YEAR

Bot. 1 or Zool. 1—Gen'l Bot. or Zool.....	5
Eng. 1—Survey of English Literature.....	4
Home Econ. 6—Economic Uses of Foods.....	4
Physiol. 1—General Physiology.....	2
Phys. Ed. 8a—Practise.....	1
Total.....	16

Bact. 5a—Introductory Bacteriology.....	2½
Bact. 5b—Introductory Bacteriology.....	2½
Econ. 2—Principle of Economics.....	3
Eng. 2—Survey of English Literature.....	4
Physiol. 4—Physiology of Digestion.....	3
Phys. Ed. 8b—Practise.....	1
Total.....	16

THIRD YEAR

Hist. 1a—Continental European History or Hist. 3a—History of the U. S.....	4 or 3
Home Econ. 2—Home Architecture.....	3
Home Econ. 5—Dietetics.....	3
Home Econ. 19—Dress Design.....	3
Psych. 1—Introduction to Psychology.....	4
Total.....	17 or 16

Educ. 25—Educational Psychology.....	3
Hist. 1b—Continental European History or Hist. 3b—History of the U. S.....	4 or 3
Home Econ. 3—Home Decoration.....	3
Home Econ. 10—Organization and Management of Household.....	3
Total.....	13 or 12

Elective

English, advanced

FOURTH YEAR

Educ. 6—Prin. of Secondary Education.....	3
Home Econ. 12—Clothing.....	3
Home Econ. 13—Teachers' Course.....	3
Sociol. 1—Principles of Sociology.....	3
Total.....	12

Electives

English, advanced

Home Econ. 9—Problems of Extension.....	3
Home Econ. 28—Organization and Management of Household.....	2
Total.....	5

CURRICULUM IN TEACHER TRAINING (SMITH-HUGHES)

Of the 130 hours required for graduation, 117 are provided for in the prescribed list. The other 13 hours necessary for graduation are to be taken from the electives listed below. Provision is made whereby students may take the first two years of this curriculum in the College of Agriculture, and the last two in the College of Education.

To satisfy the requirements for graduation, students transferring from other institutions must take at least one of the following: Home Economics 4, 5, 11, 18 or 28.

¹Semester hours. For definition, see page 225.²If Chemistry 1a is taken, an elective must be added, with the approval of the adviser.³Attention is called to the fact that high-school physics is a prerequisite for Home Economics.

Prescribed Subjects

Required for the Degree of Bachelor of Science in Home Economics

Art and Design 1, 12.....	5 hours
Bacteriology 5a, 5b.....	5 hours
Botany 1 or Zoology 1.....	5 hours
Chemistry 1 or 1a, 2a, 9, 9c.....	13 or 15 hours
Economics 2.....	3 hours
Education 6, 10, 25, 50.....	14 hours
English 1, 2.....	8 hours
Home Economics 1, 2, 3, 5, 6, 7, 10, 11, 13, 14, 29, 30, 31.....	40 hours
History 1a or 3a.....	3 or 4 hours
Hygiene 2.....	1 hour
Library Science 12.....	2 hours
Physical Education 7a, 7b, 8a, 8b.....	4 hours
Physiology 1, 4.....	5 hours
Rhetoric 1, 2.....	6 hours
Sociology 1.....	3 hours
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Total required hours.....	117 or 120 hours
Electives from list below.....	13 or 10 hours
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Total.....	130 hours

Electives (13 to 10 hours required)

- Art and Design, 19, 20
- Chemistry 13a
- Economics 26
- Home Economics 4, 18, 20, 28

Curriculum

FIRST YEAR

FIRST SEMESTER	Hours ¹	SECOND SEMESTER	Hours ¹
A. and D. 1—Freehand Drawing.....	3	A. and D. 12—Applied Design.....	2
Chem. 1 or 1a ² —Inorganic Chemistry.....	5 or 3	Chem. 2a—Inorganic Chemistry and Qualitative analysis.....	5
Hyg. 2—Essentials of Hygiene and Sanitation.....	1	Home Econ. 1 ³ —Selection and Preparation of Foods.....	3
Lib. Sci. 12—General Reference.....	2	Home Econ. 7—Textiles.....	3
Rhet. 1—Rhetoric and Themes.....	3	Rhet. 2—Rhetoric and Themes.....	3
Phys. Ed. 7a—Practise.....	1	Phys. Ed. 7b—Practise.....	1
<hr/>		<hr/>	
Total.....	15 or 13	Total.....	17
<i>Electives</i>			
Home Econ. 7—Textiles.....	3		

SECOND YEAR

Bot. 1 or Zool. 1—General Botany or Zoology.....	5	Chem. 9 and 9c—Elementary Organic Chemistry.....	5
Engl. 1—Survey of English Literature.....	4	Econ. 2—Principles of Economics.....	3
Home Econ. 6—Economic Uses of Food.....	4	Engl. 2—Survey of English Literature.....	4
Home Econ. 29—Garment Making.....	3	Home Econ. 30—Designing and Making of Typical Garments.....	3
Phys. Ed. 8a—Practise.....	1	Physiol. 1—General Physiology.....	2
<hr/>		Phys. Ed. 8b—Practise.....	1
Total.....	17	Total.....	18
<i>Electives</i>			
Econ. 26—Economic Resources.....	3		
Psych. 1—Introduction.....	4		

CURRICULUM IN LANDSCAPE GARDENING

Required for the Degree of Bachelor of Science in Landscape Gardening

A four years' course in preparation for professional practise of landscape gardening. Courses are open to any student in the University having the prerequisites or their equivalents.

Of the 130 hours required for graduation, 119 are provided for in the prescribed list. The other 11 hours necessary for graduation may be taken from the suggested electives given below.

¹Semester hours. For definition, see page 225

²If Chemistry 1a is taken, an elective must be added, with the approval of the adviser.

³Attention is called to the fact that high-school physics is a prerequisite for Home Economics 1.

FIRST SEMESTER <i>Prescribed Subjects</i>		FIRST YEAR	SECOND SEMESTER <i>Prescribed Subjects</i>	
	Hours ¹			Hours ¹
Arch. 31—Architectural Drawing	4	Arch. 32—Architectural Drawing	4	
Foreign Language ²	4	Foreign Languages ²	4	
Hort. 36—History of Landscape Gardening	3	A. and D. 12—Design	2	
Rhet. 1—Rhetoric and Themes	3	Rhet. 2—Rhetoric and Themes	3	
Hort. 39a—Special Lectures	1/2	Hort. 39b—Special Lectures	1/2	
Phys. Ed. 1—Gymnasium	1/2	Phys. Ed. 2—Gymnasium	1	
Hygiene 1—Hygiene (men)	1/2	Military—Practical Instruction	1/2	
Military—Practical Instruction	1/2	Military—Theoretical Instruction	1/2	
Military—Theoretical Instruction	1/2			
Total	16 1/2	Total	15 1/2	

SECOND YEAR		SECOND YEAR	
C. E. 31—Surveying	3	C. E. 32—Surveying	3
Hort. 21a—Landscape Design	4	Hort. 21b—Landscape Design	4
Arch. 43—Working Drawings	3	Arch. 44—Working Drawings	3
Bot. 1—Introductory Course	5	Hort. 24a—Trees and Shrubs	3
Hort. 39a—Special Lectures	1/2	Hort. 39b—Special Lectures	1/2
Military—Practical Instruction	1/2	Military—Practical Instruction	1/2
Military—Theoretical Instruction	1/2	Military—Theoretical Instruction	1/2
Total	16 1/2	Total	14 1/2

THIRD YEAR		THIRD YEAR	
Hort. 23a—Landscape Design	4	Hort. 23b—Landscape Design	4
Hort. 24b—Trees and Shrubs	3	Hort. 26a—Planting Design	3
Hort. 27a—Landscape Construction	3	Hort. 27b—Landscape Construction	3
Engl. 20—English Writers of the 19th Century	4	Pub. Sp. 2 or 10—Public Speaking	2
Pub. Sp. 1—Public Speaking	2	Hort. 31—Garden Flowers	3
Hort. 39a—Special Lectures	1/2	Hort. 39b—Special Lectures	1/2
Total	16 1/2	Total	15 1/2

FOURTH YEAR		FOURTH YEAR	
Hort. 25a—Landscape Design	5	Hort. 25b—Landscape Design	5
Hort. 26b—Planting Design	3	Hort. 38—Contracts and Specifications	1
Hort. 37a—City Planning	3	Hort. 37b—City Planning	3
Hort. 39a—Special Lectures	1/2	Hort. 40—Care of Plant Material	3
		Hort. 39b—Special Lectures	1/2
Total	11 1/2	Total	12 1/2

Note: Registration in Horticulture 39 is required of professional students in each semester. Transfer students are not required to make this work up during the course though they are required to offer an equivalent number of hours of horticulture for graduation.

FIRST SEMESTER		Suggested Electives		SECOND SEMESTER	
Arch. 13—History of Architecture	2	Arch. 14—History of Architecture	2	Arch. 14—History of Architecture	2
Arch. 15—History of Architecture	2	Arch. 16—History of Architecture	2	Arch. 16—History of Architecture	2
Bot. 4d—Taxonomy	3	Soc. 7—The Social Problems of the Rural Community	2	Soc. 7—The Social Problems of the Rural Community	2
Hort. 29a—Garden Design	3	Hort. 29b—Garden Design	3	Hort. 29b—Garden Design	3
Geology 1—General Geology	5	Zool. 16—Economic Ornithology	2	Zool. 16—Economic Ornithology	2
C. E. 55—Roads and Pavements	2	A. and D.—Sketching	1	A. and D.—Sketching	1
Rhet. 10—Business Writing	2	Rhet. 10—Business Writing	2	Rhet. 10—Business Writing	2

TEACHER TRAINING COURSE (Smith-Hughes)

Students graduating with the degree of Bachelor of Science in Agriculture may qualify to teach under the Vocational Act if they have credit for 14 to 20 hours of Education, including one semester's teaching.

Students applying for the degree of Bachelor of Science in Agricultural Education must take the first two years in the College of Agriculture, as required for the degree of B.S. in Agriculture, and the last two years in the College of Education.

TWO WEEKS' COURSE IN AGRICULTURE

The Corn Growers' and Stockmen's Convention is held annually at the College of Agriculture the last two weeks in January. At the time of this convention the College usually gives instruction for two weeks in subjects of special interest to young men on the farm, such as corn and stock judging, milk and seed testing, soils, etc. A morning session of

¹Semester hours. For definition, see page 225.

two hours each day is devoted to the discussion of questions of importance to the farmer. In the afternoon an hour is given to lectures upon topics of general interest. The rest of the day is filled with class work in the subjects mentioned above. Each year about a thousand men who are unable to spend a longer time away from home avail themselves of this opportunity to come in touch with the work of the College.

No entrance examinations are required and any farmer or farmer's son or daughter may enter these courses. It is important that everyone should be here at the opening of the session. On arrival at Champaign or Urbana, application should be made at the University Young Men's Christian Association, where information concerning board and room may be obtained.

TRACTOR AND GAS ENGINE SHORT COURSE

Jan. 9-Jan. 14 Jan. 30-Feb. 4

The Department of Farm Mechanics of the College of Agriculture offers each year a series of one week short courses on Farm Tractors and Gas Engines. These courses are given before and after the regular Corn Growers' and Stockmen's Convention in January, extending into February. The work given is of a very practical nature and as such is valuable to tractor owners and operators. Eight hours a day are spent on lecture and laboratory work taking up the operation, care, adjustment, and repairs on tractors. Ignition, magnetos, carburetors, transmission systems, clutches, and lubrication systems, are some of the special phases taken up.

Only a limited number can be accommodated, and a small fee is charged. Announcement is made through the Agriculture papers in December, and those desiring to come should get their applications in early.

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY

DAVID KINLEY, PH.D., LL.D., PRESIDENT OF THE UNIVERSITY

ARTHUR HILL DANIELS, PH.D., *Professor of Philosophy and Dean of Graduate School*
WILLIAM LEONIDAS BURLISON, PH.D., *Professor of Crop Production*
EDWARD HERBERT CAMERON, PH.D., *Professor of Educational Psychology*
ALBERT PRUDEN CARMAN, A.M., D.Sc., *Professor of Physics*
JULIUS GOEBEL, PH.D., *Professor of Germanic Languages*
LAURENCE MARCELLUS LARSON, PH.D., *Professor of History*
HERBERT WINDSOR MUMFORD, B.S., *Professor of Animal Husbandry*
WILLIAM ALBERT NOYES, PH.D., LL.D., *Professor of Chemistry*
WILLIAM ABBOTT OLDFATHER, PH.D., *Professor of Classics*
STUART PRATT SHERMAN, PH.D., *Professor of English*
ARTHUR NEWELL TALBOT, C.E., D.Sc., D.Eng., *Professor of Municipal and Sanitary Engineering*
EDGAR JEROME TOWNSEND, PH.D., LL.D., *Professor of Mathematics*
HENRY BALDWIN WARD, PH.D., D.Sc., *Professor of Zoology*
EDWARD WIGHT WASHBURN, PH.D., *Professor of Ceramic Chemistry*

HISTORY AND ORGANIZATION

The University of Illinois offered facilities for advanced study and research in various lines as early as 1872. Organized graduate instruction, however, under the name of the Graduate School, was first undertaken in 1892. In 1894 the administration of the school was vested in the Council of Administration, and the Vice-President of the University became Dean of the School. In 1906 the Graduate School was organized as a separate faculty, consisting of a dean and members of the University faculty assigned to this duty by the President.

By action of the Trustees the teaching faculty of the Graduate School includes all members of the University faculty who give instruction in approved graduate courses. The affairs of the School, however, are in charge of the Executive Faculty appointed each year by the President.

ADMISSION

Admission to the Graduate School may be granted to graduates of institutions whose requirements for the bachelor's degree are substantially equivalent to those of the University of Illinois, and to applicants from other institutions approved by the Executive Faculty, as hereinafter provided. *Admission to the Graduate School does not, however, imply admission to candidacy for an advanced degree, and gives no right or claim to be so admitted. Such candidacy is determined by the Faculty after the student has demonstrated by his work here, for from two to five months, that he has the ability to do major work of graduate character. A mere accumulation of "credits" or "grades" is not sufficient.*

A graduate of an institution meeting the requirements of a standard college as described below, may be admitted to the Graduate School, provided he satisfies the Dean and the departments concerned that he will be able to proceed to the master's degree in a period not exceeding two years.

For the purposes of admission to the Graduate School a *standard college* is one which meets the following requirements:

1. An enrollment of not fewer than one hundred students of college grade, with an average for a series of years of at least twenty-five per cent registered in the junior and senior classes.

2. A graduation requirement of four years (120 semester hours) of collegiate grade.
3. A minimum entrance requirement of 14 units. By the minimum requirement is meant the smallest number of units with which a student may be permitted to begin college work, i. e., the nominal requirement minus the number of units of conditions allowed.
4. A requirement that all entrance conditions must be removed before a student may be permitted to begin a second year of work in the same institution.
5. Not less than eight distinct departments in liberal arts and sciences, with at least one professor giving full time to college work in each department.
6. A minimum educational attainment of all college teachers of academic subjects equivalent to graduation from a college of high grade and graduate work equal to that required for the master's degree at the University of Illinois.
7. A maximum of 16 semester hours per week required of college teachers.
8. A maximum enrollment of 30 students in recitation or laboratory sections.
9. Buildings and equipment of the value of at least \$100,000.
10. A productive endowment sufficient to yield a net annual income of at least \$10,000 available for instructional purposes in the college department (liberal arts and sciences). If the institution offers courses in addition to the usual liberal arts course, it shall have a correspondingly larger income.
11. A library of not less than 10,000 bound volumes in addition to public documents.
12. Laboratory equipment of a value of not less than \$3,000 in physics (\$4,000 if work is offered in advance of one-year course), \$2,500 in chemistry, and \$2,500 in biology.
13. In addition to the foregoing specific requirements, the general standard of the administration and faculty shall be considered.

Admission to graduate courses may be granted only to those who have had the requisite undergraduate work in those courses or departments. But a student of mature age who satisfies the Dean and the department concerned of his ability to pursue graduate work in a given line may be enrolled in particular graduate courses, without reference to a degree, and permitted to carry on such study or investigation under the direction of a department of the University as the department shall recommend and the Dean approve.

Application blanks for admission may be secured from the Registrar of the University. Every applicant must submit with his application for admission an official transcript of his college record.

CHARACTER OF GRADUATE WORK

The principal aim of graduate study is the development of the power of independent work and the promotion of the spirit of research. Each candidate for a degree is expected to have a wide knowledge of his subject and of related fields of work; for the graduate student is not expected to get from lecture and laboratory courses all the knowledge and training necessary to meet the requirements for his degree.

Students, especially candidates for the doctor's degree, are warned against restricting themselves to the courses prescribed or suggested by the departments in which they are studying. Each student is expected to do a wide range of private reading and study, and in many cases will find it advisable to take one or more courses of lectures quite outside the field of his chosen subject.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first-year students. Second-year and third-year graduate students fill out their programs irrespective of the unit value of courses, according to their needs, under the advice of their instructors.

Registration.—Each graduate student must register when he first connects himself with the University and afterwards at the beginning of each semester.

The registration of a new student may be accepted at any time provided the student is prepared to take up courses actually under way. Credit towards the fulfillment of the residence requirement dates, however, from the time of registration and not from the beginning of the semester or year in which the student enters. Registration will not be permitted later in the year than April 1, except in the case of students who expect to continue through the summer session, or are returning to complete a year's work which has been broken into by illness or other unavoidable interruption.

The first registration, or that upon entrance, is permitted only after the student's application for admission to the Graduate School, setting forth his educational attainments, has been duly approved.

A new student must fill out in duplicate an application for admission and submit it to the Registrar, from whom, after the approval of his application, he will receive a card of admission and a study-list which will give details of procedure in registering. He should fill out the study-list after consultation with his adviser, or the person in charge of his major work, and also with the instructors whose courses he wishes to elect. *In all cases, registration must be completed within two weeks.* Otherwise it is subject to a fee of one dollar.

Changes in Study-List.—A graduate student is expected to plan his work so carefully that changes in his study-list during the semester will not be necessary. When a change seems advisable, however, it may be permitted without fee if made within three weeks of the date of registration. After that date a fee of one dollar is charged for each change, except that the total charge for rearrangement authorized on any one change slip shall not exceed two dollars.

Advanced Undergraduate Courses Open to Graduate Students. 1. *Courses not open to students below senior standing.* Unless otherwise specified on the student's program by the department concerned, such courses listed for four or five hours of undergraduate credit, are treated as unit courses for graduate credit; or as half unit courses when listed for less than four hours of undergraduate credit.

2. *Courses open to students of junior standing.* Unless otherwise specified on the student's program by the department concerned, such courses listed for four or five hours of undergraduate credit are treated as half-unit courses for graduate credit, or as quarter-unit courses when listed for two to three hours undergraduate credit. Courses to which sophomores are regularly admitted may not be taken for graduate credit, either major or minor.

Transfer of Undergraduate Credit.—No credit earned during the undergraduate course may be transferred for graduate credit, unless such credit was earned in time additional to the time normally required for the bachelor's degree, in the second semester of the senior year, and then only for minor subjects, and on petition. When undergraduate courses with variable semester hours are counted for graduate credit, the transfer is made on the basis of one unit for four semester hours.

Seniors and Graduate Study.—If at the end of the first semester of his senior year a student has so far completed his work for the bachelor's degree that his program for the second semester is not full, he may elect one or more graduate courses. But such election must be in accordance with Graduate School rules and must be approved by the Dean at the time of registration. *In no case may courses be counted for graduate credit on a program which requires more than twelve formal class, lecture or laboratory exercises a week, without petition.*

Miscellaneous and Listeners' Courses.—Graduate students are permitted under proper circumstances to attend classes as listeners, and to elect miscellaneous subjects, that is, courses which do not count toward an advanced degree. Listeners' cards may be obtained at the Dean's office. Under the authority conferred by the faculty on the Dean no student with a full minimum program will be permitted by the Dean to visit more than one class or to take more than one miscellaneous subject, nor is any subject open as a listener's or miscellaneous course unless it has a specific educational bearing on the student's major or minor subject of study.

A student who elects a miscellaneous course is required to register in it, do the work, and pass the semester examinations, unless he is permitted to withdraw under the rules. A student who has a listener's card is not permitted to participate in the classwork or the examinations.

No student may register for a full minimum program of work for graduate credit if it is necessary for him to carry at the same time more than one miscellaneous subject and to visit one course.

Students on the Staff.—Assistants and others on the University staff who undertake to do graduate work are permitted to take an amount of work determined by the terms of their employment. Such a student, if required by his engagements to teach more than five classes a week or to have laboratory work or supervision exceeding ten hours a week, may not receive his master's degree at the end of one year, nor his doctor's degree at the end of three.

The enrollment of a member of the staff is subject to the approval of the officer to whom he is responsible as a member of the staff and of the Dean of the Graduate School with reference to the amount of work to be taken. Before credit may be recorded for such graduate student at the end of a semester, the head of the department in which he is employed, or some one authorized by the head, must certify that the time given to graduate work by the student has not impaired the work for which he is paid by the University.

Residence and Work Done Elsewhere.—Continuous residence and study are required of all members of the Graduate School, unless they are granted leave of absence by the Dean, upon recommendation of the professor in charge of their work, for the purpose of carrying on elsewhere studies or investigation in the line of work of their degrees.

Credit for work done elsewhere is not transferred. The candidate is examined here on all the work required for the degree.

Graduate Study in the Summer.—Graduate students in the summer session are subject to the same scholastic requirements as those in the regular University year. Their study lists must be approved by the Dean of the Graduate School, or his representative. Attendance on four summer sessions, or one semester and two summer sessions, is considered the equivalent of one year in residence. If in these sessions the required amount of work is properly done a master's degree may be earned in this way. The faculty is unwilling to accept summer-session work beyond the master's degree towards the doctor's degree, except in the case of a student who works in a summer session preceding or following a regular year's attendance at the University. In no case may the last year's work for the doctorate be done in disconnected summer sessions.

No course offered in the summer session may be taken for credit towards a higher degree unless it is specially described in the summer-session circular as accepted for that purpose.

Summer Work in Medical Sciences.—Graduate courses in medical sciences are offered in the summer quarter between June and September at the College of Medicine of the University of Illinois in Chicago. Circulars describing the courses offered and conditions of admission and work may be obtained from the Secretary of the College of Medicine, Congress and Honore Streets, Chicago.

Failures.—A graduate student who fails in any course in his major subject cannot secure his degree in the same year in which the failure occurred. No condition examinations are given graduate students.

Withdrawal.—If after registration a graduate student wishes to withdraw from any course or to add other work, he must first secure the necessary papers from the Dean's office. See the regulations concerning changes in study lists, page 159. If he wishes to withdraw from the University he must get clearance papers at the Dean's office.

DEGREES

Masters' Degrees

Character of Masters' Degrees.—The master's degree conferred depends upon the character of the bachelor's degree. The usual practise is that A.M. shall follow A.B., that M.S. shall follow B.S. However, this practise may be departed from in cases where the undergraduate course of study of the candidate was of a kind for which some reputable institutions in this country give A.B., while others give B.S. Such departure from the regular practise is permitted, however, only on individual petition duly approved.

Amount of Work Required.—Candidates for the degree of Master of Arts or Master of Science are required to do at least one full year's work in residence, including a thesis. By this is meant from four to five unit courses each semester, or their equivalent. A unit course is one which requires ten hours of time a week through one semester, or a minimum of 180 hours, irrespective of the mode of distribution of that time in class work, laboratory work and private study. Four such courses or their equivalent constitute a full *minimum* program for one semester, and eight such courses, or their equivalent, constitute the *minimum formal* year's work accepted for a master's degree. Only first rate students are permitted to secure a degree with this minimum program.

Unless otherwise permitted, on individual petition duly approved, every student must take each semester at least one course open to graduate students only (courses numbered 100 and upwards).

In the first year of his graduate study each student is required to attend a minimum of four formal class, lecture, or laboratory exercises a week. In no case is he permitted during his course to attend more than twelve a week, without permission.

Work Done Elsewhere.—Exception is made to the requirement that all work for the master's degree must be done in residence at the University in the case of members of the staff and high school teachers residing and employed in Urbana or Champaign who have spent half of their time in graduate study through a year at some other approved institution. They may complete the requirements for the master's degree in a year of residence here, spending half their time in study. The candidates must take examinations in the work done elsewhere as well as in that done at this university.

Majors and Minors.—A candidate for a master's degree may do all his work in one subject, or he may select a major and one minor, or a major and two minors. A major or minor denotes the field of knowledge of a department, or such part thereof as constitutes a separate and independent division of that field. For a master's degree a major is at least half the work, or a minimum of four units, for one year. Less than one unit may not be counted as satisfying the requirements of a minor without the approval of the department concerned.

A program of studies for a first-year graduate student which is limited exclusively to the investigation of a single problem will not be approved.

Foreign Language.—The ability to use one or more of the modern languages ordinarily studied in the undergraduate curriculum is expected of all candidates for the master's degree, and in some lines of study is required. On this matter students should consult the heads of the departments in which their major subjects lie.

Master's Thesis.—Each candidate for a master's degree is required to present a thesis on some subject approved by the professor in charge of his major work and the Executive Faculty of the Graduate School. Such approval, except in case of students working for a master's degree in summer sessions only, must be secured not later than six weeks from the time when the student begins his year of residence. Students working for a master's degree exclusively in summer sessions must announce their thesis subjects not later than the beginning of their third session in residence. The requirement of a thesis may be waived, however, upon the recommendation of the head of the department in which the student is doing his major work and the approval of the Dean, provided application to waive the thesis is made at the time for announcing thesis subjects. A student excused from writing a thesis must replace it with additional courses of instruction.

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 and upwards.

The thesis required from a candidate for a master's degree ordinarily will demand one-fourth of the student's time and may not exceed one-third of it. The thesis must be typewritten, on "thesis paper," and the title page must be printed. The thesis in its final form, together with a certificate of approval by the proper officer, must be left by the professor in charge at the Dean's office at least two weeks before the date on which the degree is to be conferred. No article prepared for another use, or previously published, will be accepted as a thesis.

Thesis Work on Leave of Absence.—Under proper conditions a student may be permitted to complete the last fourth of his work, if devoted to his thesis, under leave of absence. To get such permission the student must have secured credit for at least six units; must petition for the privilege; must submit to the Dean an outline of the proposed investigation, approved by the head of his major department; and must submit satisfactory evidence that adequate facilities are available to him at the place where he intends to do the proposed work. Approval on all these points must be obtained one collegiate year before the thesis is due.

Grades.—Student's work is graded in five classes, A, B, C, D, and E. The last indicates a failure. D indicates unsatisfactory, though passable, work. The degree will not be awarded to any student who does not secure a grade of B or higher in three-fourths of the work (number of units) for the degree, including his thesis.

A failure or absence from examination in any course may prevent the conferring of the degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in the same year.

Marine Biological Laboratories.—Students in zoology, candidates for the master's degree, part of whose necessary preparation is experience in a marine or fresh-water biological laboratory or station, are permitted to offer, in part fulfillment of the requirements for the master's degree, work done in such fresh-water or marine laboratory; provided that the student who wishes to have such work accepted make application before beginning work in such laboratory; that the selection of the laboratory at which he is to work has been approved by the faculty beforehand; that the time to be spent in such work be not less than six nor more than nine weeks in any one summer; that the instructors under whom the student is to work have been previously accepted by this faculty; that he submit to an examination here on the work done at such laboratory; and that a certificate of attendance from a proper officer of the laboratory or station be submitted and a full written report of

¹No other will be accepted by the Dean. "Instructions for the preparation of theses" may be obtained at the Dean's office.

the work done in the shape of notes, or otherwise, be required; and that the student shall be in residence here at the University for one full academic year during which he shall do the rest of the work necessary for his degree.

The experience at a marine laboratory which, as indicated above, is optional with the candidate for the master's degree, is required of all candidates for the doctorate in zoology.

The marine biological laboratories which have thus far been approved as institutions at which students of this University may take work for record here are:

Marine Stations:

Marine Biological Laboratory, Woods Hole, Massachusetts
 Harpswell Marine Laboratory, Casco Bay, Maine
 Puget Sound Station, Friday Harbor, Washington
 Hopkins Marine Laboratory of Stanford University, Pacific Grove, California
 Scripps Institute for Biological Research, University of California, LaJolla, California
 Carnegie Institution Laboratory, Dry Tortugas, Florida
 Bermuda Biological Station, Bermuda
 Brooklyn Institute Biological Laboratory, Cold Spring Harbor, L. I.

Fresh-Water Stations:

Douglas Lake Station, University of Michigan, Topinabee, Michigan
 Ohio State University Laboratory, Cedar Point, Ohio
 University of Wisconsin Lake Laboratory, Madison, Wisconsin.
 Similar arrangements are made, under similar conditions, for students of geology in connection with Geological Surveys.

Masters' Degrees in Engineering

Two classes of second degrees are open to graduates of the College of Engineering, namely, academic and professional.

The academic second degree in engineering is Master of Science, following Bachelor of Science, in architecture, architectural engineering, civil engineering, electrical engineering, etc. This degree is conferred in accordance with the regulations described above for *academic work in residence only*.

The *professional* second degrees in engineering are as follows:

Master of Architecture, after B.S. in architecture.

Architectural Engineer, after B.S. in architectural engineering.

Civil Engineer, after B.S. in civil engineering or B.S. in municipal and sanitary engineering.

Electrical Engineer, after B.S. in electrical engineering.

Mechanical Engineer, after B.S. in mechanical engineering.

Engineer of Mines, Civil Engineer, Electrical Engineer, or Mechanical Engineer, after B.S. in mining or railway engineering, according to the course.

Professional degrees are conferred on two classes of candidates: (1) graduates of the College of Engineering of the University of Illinois who have been engaged in acceptable professional work away from the University for a period of not less than three years after receiving the degree of Bachelor of Science; (2) graduates of the University of Illinois, or of institutions of equal standing who have been engaged in acceptable professional work in residence at the University for a period of not less than three years after receiving the degree of Bachelor of Science.

In "acceptable professional work" may be included contributions to technical literature, activity in professional societies, investigation of engineering problems, and the teaching of engineering subjects.

A candidate must declare his candidacy and file with the Dean of the College of Engineering, as chairman of the committee in charge, a detailed statement covering his professional study and experience, not later than the first Monday in November preceding the commencement at which he proposes to qualify. Prior to December 31 next succeeding, he must submit for approval an outline of his proposed thesis and he must file his completed thesis not later than April 1. If the statement of professional experience and study and the thesis are accepted, the candidate must present himself at commencement in order to receive the degree.

Candidates for professional engineering degrees who already hold the degree of Master of Science may qualify for the professional degree after two years of professional work.

A candidate for a professional engineering degree must pay the incidental fee of fifty dollars on being notified that his professional study and experience are accepted as qualifying him to enter as a candidate for the degree. No one will be enrolled as a candidate for the degree at the following commencement who does not pay his fee at this time. When a candidate for a professional engineering degree has once been accepted and paid his fee, he is eligible to receive the degree at any time within five years, without additional fee, on completion of the requirements; provided, however, that unless he completes the requirements within two years his name will be dropped from the list of candidates and in order to receive the degree within the five-year period he must register once more.

The Degree of Doctor of Philosophy

Majors and Minors.—The requirements for the degree of Doctor of Philosophy are a thoro mastery of a selected field of study, evidence of the power of independent investigation in this field, a broad knowledge of the wider field of study of which this major subject is a part, a general acquaintance with related fields of knowledge, and a mastery of all branches of study which are necessary to a full knowledge of the main subject. Each student who is seeking this degree is expected to choose for study and final examination a major subject, or field of study, and a first and second minor. The major subject is the field in which the student expects to become expert and an authority.

One minor must be a subject closely related to the major and may, under certain conditions and with proper approval, be a division of the major field of study. The remaining minor must be taken from a department of study other than that of the major.

For the doctor's degree no definite division of a student's time among major and minors can be made, to hold in all cases. In general the faculty approves an arrangement which, distributing the student's time through the required three years, divides it equally among his three subjects in his first year of graduate study; in the proportion of two to one, as between his major and first minor, in the second year of graduate study (his second minor being finished and dropped at the end of the first year); and gives all his time to his major during his third year.

To put the matter in another way, a course of graduate grade (from among the "hundred" courses) meeting twice or three times a week, corresponding roughly to what is sometimes called a full course, or in our terminology a unit course, running through the year, should ordinarily be sufficient for a second minor; a similar course running through two years should ordinarily be sufficient for a first minor.

While "full-time work" in the first year of graduate study, leading usually to a master's degree, is at least eight units for the two semesters, full-time work after the first year is not reckoned in units. The student is simply required to devote all his time to his work. Nor is there any necessary correspondence between the number of courses taken and the number of units required in the first year, or full-time work in any year. A first-year student might possibly secure all the credit necessary in two or three courses; and a second-year or third-year student might conceivably be devoting all his time to one course and his research or to his research alone.

Period of Study.—The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years, during which the student is required to devote all his working time to his studies. All three years must be spent in residence at some accredited educational institution and either the first two or the last one of the three must be spent at the University of Illinois. The degree is conferred, however, not for residence during a certain period, but for scholarly attainments and power of investigation, as proved by thesis and examinations.

Credit for work done in other universities is not "transferred". The candidate is examined here on the subjects offered by him for the advanced degree. However, his period of residence at another institution of proper grade may be accepted in fulfillment of the residence requirement of the University of Illinois, so far as it goes.

EXAMINATIONS

Preliminary.—*A. In major and minors.*—Towards the end of his second year of study, or by special permission, at the beginning of his third year, the candidate for the degree must submit to a preliminary examination, in order to determine whether he will be accepted as a candidate for the degree in the following year. This examination is intended to test the student's knowledge of the fields of his major and minor subjects of study only. It is partly oral, and may be wholly so.

The student will not be admitted to his preliminary examination until the faculty is satisfied that he has finished substantially the equivalent of two years' graduate work. He must do a full year's graduate work between his preliminary examination and the completion of his work for the doctorate.

B. In Languages.—The candidate will be required to demonstrate his ability to read French and German and other languages needed in his work. This test of proficiency in the use of French and German must be passed before the student is admitted to the preliminary examination in major and minor subjects.

Final Examination.—At least two weeks before the time when the degree is conferred, the candidate must submit to a final examination, given by a committee appointed by the Dean. This examination is primarily on the research work of the student, as embodied in his thesis, but it is not confined to that. It extends to the whole field of the study of the candidate. It will not be confined to the courses which the candidate has attended in the University of Illinois only, if he has done part of the work elsewhere; nor even to the field covered by the courses specifically taken in this or other universities; but will be so conducted as to determine whether the candidate has a satisfactory grasp of his major subject as a whole, and a general acquaintance with the fields of knowledge represented by his course of study.

The final examination may not be divided. The examination must be taken all at one time even tho it requires several sessions.

If after having passed his preliminary examination, he fails in the third year of his study to meet the expectations of the professors in charge of his work, or in any way fails to maintain the standard of scholarship and power of research expected of him, he may be refused admission to the final examination.

Other Examinations.—Before the candidate is admitted to the final examination and the defense of his thesis, he may be required to take any other examination, oral or written, that is thought proper by the various departments in which he has studied.

The above examinations are in addition to those in the courses for which the student is registered. These must be taken at the times for which they are set in the examination schedule.

No candidate who does not secure a record of B or higher in at least three-fourths of his work will be recommended for the degree.

Thesis.—The power of independent research must be shown by the production of a thesis on some topic connected with the major subject of study. The candidate is expected to defend his thesis or dissertation before the members of the faculty, or as many of them as may wish to question him about it, in connection with his final examination.

The subject of the thesis should be chosen not later than the end of the second year of residence and must be submitted for formal approval by the faculty not later than six weeks from the beginning of his third year of residence.

Unless previously printed with proper authority, a typewritten copy of the complete thesis, *on thesis paper*,¹ must be deposited in the office of the Dean for presentation to the examining committee not later than two weeks prior to the final examination. All theses must be in the hands of the Dean at least four weeks before the time when the degree is to be conferred.

The doctor's thesis must be printed and one hundred copies deposited in the Library of the University by the candidate, not later than two weeks preceding the conferring of the degree. In form, the printed thesis must follow the "instructions for the preparation of masters' and doctors' theses", copies of which may be obtained at the Dean's office on application. If the student does not present a printed thesis he must deposit along with his manuscript the sum of seventy-five dollars (\$75) or a bond for that amount satisfactory to the Comptroller of the University and the Dean of the Graduate School. A member of the faculty of the University of Illinois will not be accepted as a guarantor of such a bond. If a bond is accepted, it must be replaced at the end of one year with a cash deposit. At the end of two years, if the thesis has not then been printed by the student, the University will print it or such part of it as is deemed best.

The cash deposit made by the student who does not print his thesis by the end of the second year after his degree is conferred becomes the property of the University, to be used for the general purpose of printing theses.

The title-page of each thesis, whether typewritten or printed, must bear the words, "Submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy in—[here put the major subject]—in the Graduate School of the University of Illinois."

¹No other will be accepted by the Dean.

The title-page must also contain the full name of the author, his previous degrees, the full title of the thesis, the year of imprint and, if a reprint, the title and volume and a statement of the pagination of the volume from which it is reprinted. Each thesis must have an appendix giving a short biography of the candidate, including the institutions he has attended, his degrees and honors, the titles of his publications, and such other matters as are pertinent.

Doctor's Degree in Engineering.—The degree of Doctor of Philosophy in Engineering is offered in certain lines of academic work of a high scholastic type in engineering science for students who wish to prepare themselves as teachers, investigators, and experts.

The general requirements for this degree, as to preliminary education, linguistic attainments, etc., are the same as in other lines.

The following lines of engineering science are open as majors:

- Engineering mechanics
- Steam engineering
- Hydraulic and sanitary engineering
- Electrical engineering
- Heating and ventilation engineering
- Railway engineering
- Masonry construction and structural engineering
- Coal-mining engineering

The first minor may be any of the above or one of the following fundamental sciences or an authorized combination of two of them:

- Theoretical mechanics
- Mathematics
- Thermodynamics
- Chemistry
- Geology
- Physics (Experimental or mathematical)
- Zoology
- Botany

The second minor should be in other than engineering subjects.

SCHOLARSHIPS AND FELLOWSHIPS

A number of scholarships and fellowships have been established by the Trustees of the University. To first-year graduate students of ability and promise there are open a number of scholarships with a stipend of \$300 each and freedom from tuition, incidental, and laboratory fees.¹ To second-year and third-year graduate students, that is, those who have had one or two years of graduate study, there are open fellowships with a stipend varying from \$350 to \$500, with freedom from the above-mentioned fees. The larger stipends are given only to students who are expected to take their degrees within the year. Each holder of a fellowship or scholarship must pay the matriculation fee of ten dollars, unless he holds a first degree from the University of Illinois, and also the diploma fee of ten dollars on receiving his diploma.

Candidates for these scholarships and fellowships must be graduates of the University of Illinois, or of colleges or universities having equivalent requirements for bachelors' degrees.

Application must be made on blanks to be obtained from the Dean of the Graduate School. These application forms should be sent to the Dean of the Graduate School as early as possible in February of the academic year preceding that for which the fellowship is desired. No application will be considered if received later than March first, until after April fifteenth, the date when appointees from the first list of applicants must accept or refuse their appointments.

Persons appointed are notified on April first and must send the Secretary of the Board of Trustees notice of their acceptance or refusal by April fifteenth; and must agree that, if accepted, the appointment will not be resigned to take a similar one in any other institution during the year for which it is awarded.

Nominations to fellowships are made on the grounds of worthiness of character, scholastic attainments, and promise of success in the principal line of study or research to which the candidate proposes to devote himself. Scholarships and fellowships are not given to candidates who are over thirty years of age at the time when the appointment is to be made.

¹Up to a certain amount.

For second-year fellowships, adequate preparations in French, and for third-year fellowships, adequate preparation in French and German is required.

An appointment as honorary fellow, without stipend, may be made as specified for paid fellowships in the case of any one who has shown distinguished merit in his work.

The Carr Fellowship in Chemistry

The Honorable Robert F. Carr, of the class of 1893, gave in 1919 the sum of ten thousand dollars, the income of which is to be used as the stipendium of a fellowship in chemistry or chemical engineering.

Research Graduate Assistants in the Engineering Experiment Station

The Engineering Experiment Station is devoted entirely to research. Its purposes are the study of problems of special importance to engineers and to manufacturing, railway, mining, and industrial interests, and the stimulation and elevation of engineering education.

Fourteen research graduate assistantships have been established in the Engineering Experiment Station. These graduate assistantships are open to graduates of approved technical schools and universities. There is a stipend of \$500 a year for each. Applicants to whom these graduate assistantships are awarded are required to agree to hold them for two years, devoting one-half of their time to the work of the Engineering Experiment Station. At the expiration of this period, if all requirements have been met, the degree of Master of Science will be conferred.

Applications for these graduate assistantships should be made to the Director of the Engineering Experiment Station not later than February first. Candidates must present with their applications full information concerning themselves, including any written or published papers or results of investigation.

Scholarship in Pharmaceutical Chemistry

The American Pharmaceutical Society presented to the University through Professor George D. Beal a stipend of \$240.00 to be used for the year 1919-20 in the promotion of pharmaceutical research, on the condition that the results of the research be published in the *Journal of the American Pharmaceutical Association* and credit given to the Research Fund of the Association.

Corning Glass Works Fellowships

In June, 1920, the National Research Council created a fellowship in the Department of Ceramics with funds given it by the Corning Glass Works. The appointees to this fellowship have the status of fellows or half-time research assistants; they are given the use of the University's laboratories, under the condition that they pay for the materials used and the equipment damaged.

Social Hygiene Board Fellowships

In January, 1920, the U. S. Interdepartmental Social Hygiene Board gave to the University \$3,500, of which \$3,000 has been used to establish three fellowships of \$800 and one fellowship of \$600 in chemistry. The holders are given the same privileges as the persons holding Carr Fellowships in Chemistry.

DuPont Fellowships

DuPont de Nemours and Company gave the University in 1918 the sum of \$750.00 with which to establish a fellowship in chemistry. They have repeated the offer in the two succeeding years.

THE ILLINOIS HISTORICAL SURVEY

The Illinois Historical Survey is a department of the Graduate School established in 1910 to conduct research in the history of the State of Illinois. It possesses extensive collections of source materials for western history and is continually adding to them. It assists the Illinois State Historical Library in the publication of these and other materials in the *Illinois Historical Collections*. It also offers to graduate students direction in the preparation of theses or monographs based on its collections.

The following persons constitute the staff of the Survey for the year 1921-1922: Laurence M. Larson, Ph.D., Professor of History, Director; Theodore Calvin Pease, Ph.D., Assistant Professor of History, Assistant Director; Ameda R. King, Assistant.

GRADUATE WORK IN THE SUMMER SESSION

The Summer Session places emphasis on graduate courses leading to the master's degree. The departments related to high school teaching and to educational administration have been selected as the centers of this emphasis. An attempt is made to vary the graduate offerings from year to year so that advanced students each year may find acceptable work in their chosen fields.

The normal requirement for the master's degree is full work of graduate grade, satisfactorily completed, through one year of residence. This means a residence of thirty-six weeks at the University. Qualified graduate students may fulfill this residence requirement in four summer sessions of eight weeks each.

In certain cases it will be possible for the graduate student to complete the last fourth of his residence requirement under a leave of absence. This privilege may be granted in the event that the student is able to take advantage of opportunities for research and investigation that are not afforded in the University community. Superintendents, principals, and class-room teachers frequently find it possible to carry on investigations in connection with their school work. There are, for example, numerous problems of school administration and of teaching for which the public school itself forms the only available "laboratory." Where the investigation of such problems is prosecuted with the cooperation of a department of the University, it may be possible to count the work towards the master's degree

THE LIBRARY SCHOOL

For a description of the *Library Building*, see page 52; for an account of the *libraries* themselves, see page 54; for the *collection in library economy*, see page 58; for *fees*, see page 102.

GENERAL STATEMENT

The Library School offers a two-year curriculum to college graduates who wish to enter librarianship as a profession, and certain library courses to students in other schools and colleges of the University who may wish to elect them as a part of their course of training. The instruction in the first or junior year covers the generally accepted methods and practices in library work; students who complete this year's work are prepared to accept positions in library service. In the second or senior year emphasis is placed on historical and comparative methods of treatment; new subjects are introduced to give the student the necessary outlook and equipment for more responsible positions.

Altho stress is laid on simplicity and economy, methods are taught to enable students to work in large libraries where bibliographic exactness is required. Emphasis is laid on the extension of the activities of the public library, and on the importance of cooperation between the library and the schools and other educational and social agencies.

A member of the senior class in any other school or college of the University may, with the approval of the Director of the Library School, elect any course for which he is prepared.

The school also offers to freshmen and sophomores a course on the use of the University library and the ordinary reference books.

ENTRANCE REQUIREMENTS

Admission to the Library School is conditioned on the presentation of credentials showing that the applicant holds a bachelor's degree in arts or science from the University of Illinois or has had other equivalent training. No entrance examinations are required.

Application blanks for admission may be secured from the Director of the School, and these, filled out, should be filed, together with such documentary material as the candidate may offer, showing qualifications for admission, generally not later than August 1. It is to the candidate's interest to present application and certificates early, in order that the question of admission may be settled before he comes to Urbana.

RECOMMENDED PRELIMINARY CURRICULUM

Undergraduates who intend, on the completion of their college work, to apply for admission to the Library School, are requested to select their courses so as to conform in general to the following recommended program of studies preparatory to library work.

English literature, 10¹; Rhetoric, 6.

Latin, 8, in addition to four years of high school Latin.

German, 12, in addition to two years of high school German.

French, 8, in addition to two years of high school French.

German and French begun in college instead of in high school should be continued for a longer period.

Medieval and Modern European history, 6; history of England, 6; history of the United States, 6.

Economics, 6; political science, 4; sociology, 6.

Philosophy, 4; general psychology, 4.

Zoology, 6; botany, 4; chemistry or physics, 6

The total of this work is 102 semester hours, leaving the equivalent of about one year of a four-year course free for work in other subjects or for more work in the subjects named.

ADVANCED STANDING

College graduates who have had approved library experience or who have attended other library schools may be accorded advanced standing by securing credit for some of the

¹The figure after each subject denotes the minimum number of semester hours which the student should devote to that subject.

courses required for graduation. After satisfying all entrance requirements and after matriculation, the applicant for advanced standing may secure such credit either by examination or by transfer of credits from an approved institution offering courses in library economy. (See page 69).

SPECIAL STUDENTS

It is the practise of this School to admit as special students only those mature persons who, though unable to meet the formal requirements for entrance, are prepared for thoro and advanced work. Such persons must present evidence of possessing the information and ability to pursue profitably, as special students, the chosen subjects, and some substitute for the regular requirements for entrance, such as the completion of part of a college course, approved library or teaching experience, or foreign travel. Preference will be given to those already engaged in library work, especially in Illinois libraries. Students thus admitted are expected to take all of the curriculum prescribed for those who are candidates for the degree of Bachelor of Library Science.

PREPARATION FOR SPECIAL LIBRARIES

For the benefit of students who plan to work in special libraries, a modification of the senior course may be permitted. A student who has satisfactorily completed the work of the junior year may petition for such modification, provided he intends to work in a business, technical, agricultural, or other special library, and provided his undergraduate courses included a sufficient number in the field in which he expects to specialize. In such instances, the faculty may permit the student to substitute for certain of the Library School courses, such electives in the various colleges of the University as will fit the student for special library work in the subject selected.

LIBRARY VISITS AND FIELD WORK

Each year all the students in the School visit the libraries and certain of the book binderies, book stores, and printing establishments of either Chicago and vicinity or St. Louis and vicinity. During this visit, which occupies one week, the students are accompanied by members of the faculty.

The estimated expense of this visit is about \$30 for each trip. Students are required to present a written report of the week's visit on their return to the University, as the work forms part of Library 22 and Library 26.

In order to assure a varied library experience, each student in the senior year is required to spend one month in an assigned library, usually a public library, working, as far as practicable, under the same conditions as a member of the staff of that library, but without compensation. Written and oral reports of the month of field work are required, as the work forms part of Library 26. The estimated expense for the month of field work has been about \$50.

CURRICULUM

The curriculum is two years in length. For graduation a student must receive credit for all courses except those marked with an asterisk (*), which are elective. The degree of Bachelor of Library Science is conferred on a student who has completed the required work in the two years' curriculum, and has received credit in courses amounting to 62 semester hours.

JUNIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Lib. Sc. 22—Reference	3	Lib. Sc. 2b—Reference	3
Lib. Sc. 32—Selection of Books	2	Lib. Sc. 3b—Selection of Books	2
Lib. Sc. 16—Order of Accession	2	Lib. Sc. 30—Practise	3
Lib. Sc. 17—Classification	3	Lib. Sc. 7—History of Libraries	2
Lib. Sc. 18—Cataloging	3	Lib. Sc. 19—Trade Bibliography	1
Lib. Sc. 20—Loan Department	1	Lib. Sc. 21—Printing, Binding, Indexing	2
Lib. Sc. 23a—Library Administration	1	Lib. Sc. 22—Library Extension	3
		Lib. Sc. 23b—Library Administration	1
Total	15	Total	17

¹Semester hours. For definition see page 225

SENIOR YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours ¹		Hours ¹
Lib. Sc. 41a—Subject Bibliography.....	1	Lib. Sc. 41b—Subject Bibliography.....	1
*Lib. Sc. 8—Advanced Reference.....	2	Lib. Sc. 9—History of Books.....	2
Lib. Sc. 40a—Practise.....	3	Lib. Sc. 40b—Practise.....	3
Lib. Sc. 13a—Public Documents.....	2	*Lib. Sc. 42—Public Documents.....	3
Lib. Sc. 15a—Seminar.....	2	Lib. Sc. 15b—Seminar.....	2
Lib. Sc. 24a—Selection of Books.....	2	Lib. Sc. 24b—Selection of Books.....	2
Lib. Sc. 26a—Library Administration.....	3	Lib. Sc. 26b—Library Administration.....	3
*Lib. Sc. 27—Bibliographical Institutions....	1	*Lib. Sc. 28—Practise.....	1 to 4
		*Lib. Sc. 29—Advanced Classification.....	2
Total.....	16	Total.....	19 to 22

LIBRARY CLUB

Any member of the Library School faculty or of the staff of the University Library and any student in the Library School may become a member. Six meetings are held each year.

ALUMNI LOAN FUND

The University of Illinois Library School Association has voted to make all surplus funds in its treasury available for loan to senior library school students. Over \$900 is available for that purpose on the vote of the School faculty.

In addition to the courses of the regular two years' curriculum, the School also offers to its students the advantages of hearing lectures by men and women prominent in bibliographical and library fields. From eight to ten such additional lectures on subjects connected with librarianship are given each year.

¹Semester hours. For definition, see page 225.

THE SCHOOL OF MUSIC

For admission to the School of Music, see the general statement of entrance requirements of the University, pages 62-80. For fees, see page 102. For the faculty of the School of Music and description of the courses in music, see under "Music" in the "Description of Courses," Part III.

GENERAL STATEMENT

The School of Music offers regular courses leading to the degree of Bachelor of Music.

Students who are not working for the degree in Music may receive a statement from their instructors on completing not less than one year of college work.

Classes in ear training and sight singing meet twice each week. Music students are required to attend these classes.

Students of the School of Music are not allowed to appear in public without the consent of the Director of the School of Music.

All students majoring in a practical subject are required to take Music 94 (Recital) in the junior and senior years.

The instructors in the School of Music give recitals and lectures on musical subjects during the year.

The courses in history of music and musical theory, as well as the work in the University Orchestra and the University Choral Society may be taken without charge, except for a nominal fee.

REQUIREMENTS FOR GRADUATION

Candidates for the degree of Bachelor of Music must offer credit for 130 semester hours, including the prescribed subjects named below, together with an acceptable thesis on a topic related to music.

All music students are expected to attend the concerts and recitals which are given under the auspices of the School of Music.

Public performance being part of the course of study in a practical subject, all students are required to participate in a program when sufficiently prepared.

CURRICULUM IN MUSIC

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
	Hours ¹				Hours
Foreign Language, French, German, or Italian	4	Foreign Language, French, German, or Italian.		Foreign Language, French, German, or Italian.	4
Mus. 3—Harmony	2	Mus. 4—Harmony		Mus. 4—Harmony	2
Mus. 21a—Ear Training	2	Mus. 21b—Ear Training		Mus. 21b—Ear Training	2
Mus. 42a, 52a, or 62a—Piano, Voice or Violin (major subject)	4	Mus. 42b, 52b, or 62b—Piano, Voice, or Violin (major subject)		Mus. 42b, 52b, or 62b—Piano, Voice, or Violin (major subject)	4
Mus. 46a, 56a, or 66a—Minor subject	2	Mus. 46b, 56b, or 66b—Minor subject		Mus. 46b, 56b, or 66b—Minor subject	2
Rhet. 1—Rhetoric and Themes	3	Rhet. 2—Rhetoric and Themes		Rhet. 2—Rhetoric and Themes	3
Phys. Ed. 7a—Gymnasium (women)	1	Phys. Ed. 7b—Gymnasium (women)		Phys. Ed. 7b—Gymnasium (women)	1
Phys. Ed. 9—Hygiene (women)	1	Phys. Ed. 2—Gymnasium (men)		Phys. Ed. 2—Gymnasium (men)	1
Phys. 1 and 1a—Gymnasium and Hygiene (men)	1	Military—Practical Instruction		Military—Practical Instruction	1/2
Military—Practical Instruction	1/2	Military—Theoretical Instruction		Military—Theoretical Instruction	1/2
Military—Theoretical Instruction	1/2				
Total, Men				Total, Men	
Total, Women				Total, Women	
17				17	
17				16	

¹Semester hours. For definition see page 225

SECOND YEAR

Foreign Language, French, German, or Italian.....	4	Foreign Language, French, German, or Italian.....	4
Mus. 1—History of Music.....	2	Mus. 2—History of Music.....	2
Mus. 5—Advanced Harmony.....	3	Mus. 6—Advanced Harmony.....	3
Mus. 22a—Ear Training.....	1	Mus. 22b—Ear Training.....	1
Mus. 23a—Sight Singing.....	1	Mus. 23b—Sight Singing.....	1
Mus. 43a, 53a, 63a, or 84—Piano, Voice, Violin, or Organ (major subject).....	4	Mus. 43b, 53b, 63b, or 85—Piano, Voice, Violin, or Organ (major subject).....	4
Mus. 46c, 56c, 66c, or 83c—Minor subject... ..	2	Mus. 46d, 56d, 66d, or 83c—Minor subject... ..	2
Phys. Ed. 8a (for women).....	1	Phys. Ed. 8b (for women).....	1
Military—Practical Instruction.....	$\frac{1}{2}$	Military—Practical Instruction.....	$\frac{1}{2}$
Military—Theoretical Instruction.....	$\frac{1}{2}$	Military—Theoretical Instruction.....	$\frac{1}{2}$
Total, Men.....	17	Total, Men.....	17
Total, Women.....	17	Total, Women.....	17

THIRD YEAR

Educ. 1—Introduction to Education.....	4	Engl. 2—Survey of English Literature.....	4
Engl. 1—Survey of English Literature.....	4	Mus. 8—Counterpoint, Canon and Fugue....	3
Mus. 7—Counterpoint, Canon and Fugue....	3	Mus. 24b—Sight Singing.....	1
Mus. 24a—Sight Singing.....	1	Mus. 45b, 55b, 65b, or 87—Piano, Voice, Violin, or Organ (major subject).....	4
Mus. 44a, 54a, 64a, or 86—Piano, Voice, Violin, or Organ (major subject).....	4	Mus. 46f, 56f, 66f, or 83f—Minor subject... ..	2
Mus. 46c, 56c, 66c, or 83c—Minor subject....	2	Mus. 94a—Recital.....	1
Total.....	18	Educ. 10—Technic of Teaching.....	3
		Total.....	18

FOURTH YEAR

Engl. 23—Introduction to Shakespeare.....	3	Mus. 10—General Theory.....	2
Mus. 9—General Theory.....	2	Mus. 16—Instrumentation.....	1
Mus. 15—Instrumentation.....	1	Mus. 27b—Ensemble.....	1
Mus. 27a—Ensemble.....	1	Mus. 45b, 55b, 65b, or 89—Piano, Voice, Violin, or Organ, (major subject).....	4
Mus. 45a, 55a, 65a, or 88—Piano, Voice, Violin, or Organ (major subject).....	4	Mus. 46h, 56h, 66h, or 83h—Minor subject... ..	2
Mus. 46g, 56g, 66g, or 83g—Minor subject... ..	2	Mus. 94b—Recital.....	1
Total.....	13	Total.....	11

NOTE: Students majoring in Public School Music Methods will in the Fourth Year substitute Music 25a-25b (4) each semester for the practical major, in which case Voice (56a-56b) will be required as the practical minor.

In addition, to make up the prescribed total of 130 hours: Elective, for men, 2 hours; for women, 3 hours. This extra credit may be taken at any time; the election must be approved by the student's adviser.

MUSICAL ORGANIZATIONS

The University Choral Society is conducted by the Director of the School of Music, and gives two choral concerts during the year. The chorus meets once a week. Faculty, students of the University and singers of the community are admitted by examination or conference with the Director.

The University Orchestra is conducted by the Director of the University Bands, and meets for rehearsal once a week. Concerts are given throughout the year. It is open to all students who qualify for membership.

THE COLLEGE OF EDUCATION

GENERAL STATEMENT

In June, 1918, the College of Education was organized to supersede the School of Education. It now includes, besides the general education courses leading to the degree of Bachelor of Science (Education), curriculums in Agricultural Education, Athletic Coaching and Physical Education, Home Economics Education, and Industrial Education. It is the aim of the College of Education to prepare its students as completely as possible for positions in the educational profession. It is, therefore, in its general plan and organization considered as one of the professional schools. In the case of Industrial Education, and Athletic Coaching and Physical Education, four-year curriculums are offered.

REQUIREMENTS FOR ADMISSION

In general, for the year 1921-22, a student must complete two years (60 hours exclusive of military) of a curriculum in the colleges of Agriculture, Commerce and Business Administration, Engineering, or Liberal Arts and Sciences, or the School of Music, before being admitted to the College of Education. The exceptions to this are: Athletic Coaching and Physical Education, and Industrial Education. To the former, admission is granted upon the fulfillment of admission to the University and the passing of a medical and physical examination; to the latter, admission is granted upon the fulfillment of the requirements of admission to the University.

Juniors entering the College of Education through the College of Liberal Arts and Sciences should have completed the prescribed subjects and the first five group requirements for the degree of Bachelor of Arts.

Juniors entering through the other colleges should select some curriculum in the college chosen, and complete the first two years.

Juniors entering from other institutions must present 60 hours of a curriculum pursued in that institution.

Students who enter with more than 60 hours of credit will be given advanced standing in the College of Education to the amount which the credit is in excess of 60 hours.

REQUIREMENTS FOR GRADUATION

Students who graduate from the College of Education are awarded the degrees of Bachelor of Science (Education), Bachelor of Science (Agricultural Education), Bachelor of Science (Industrial Education), Bachelor of Science (Physical Education), or Bachelor of Science (Home Economics Education).

The requirements for graduation are the following:

1. Admission to the College of Education;
2. A curriculum of 70 hours, except in Athletic Coaching and Physical Education, in which 136 hours is required, and in Industrial Education, in which 130 hours is required.
3. A major of 20 hours in education, including the following courses taken after admission to the College of Education: educational psychology, 3 hours; technic of teaching, 3 hours; a teacher's course in the subject of specialization, 3 hours; principles of secondary education, 3 hours; and teaching, 3-5 hours.

The sequence of courses is as follows:

Junior Year—

First Semester: Educational Psychology.

Second Semester: Technic of Teaching.

Senior Year—

Either Semester: The Teacher's Course and Teaching in the high school simultaneously.

Principles of secondary education should preferably be taken in the senior year but in no case earlier than the second semester of the junior year.

During the year 1921-22, the teacher's courses offered in the departments of the College of Liberal Arts and Sciences and the School of Music may be substituted for the teacher's courses which will later be given in the College of Education.

4. A subject of specialization, which the student expects to teach, must be selected. Twenty hours of approved courses must be completed, except that in Agricultural Education, 50 hours, Home Economics Education, 36 hours, Athletic Coaching and Physical Education, 47 hours, and Industrial Education, 15 hours must be completed.

In computing the hours in the subject of specialization, courses taken in other colleges prior to admission may be counted.

5. The remainder of the curriculum may be elected from a list of courses approved by the faculty of the College of Education.

TEACHER'S DIPLOMA

Graduates of the College of Education who have satisfied the faculty with regard to their qualifications as teachers will be granted a Teacher's Diploma to apply toward the fulfillment of the requirements for certificates issued without examination.

CURRICULUMS IN EDUCATION

Because of the variety of curriculums which the student may offer for admission to the College of Education none is presented in any department except agricultural education, home economics education, industrial education, and athletic coaching and physical education. Students preparing to teach other subjects should follow the requirements stated under "Requirements for the Degree."

AGRICULTURAL AND HOME ECONOMICS EDUCATION

The College of Education offers courses for the preparation of teachers, supervisors, and administrators of Vocational Agriculture, and of Home Economics designed to meet the requirements of the section of the Smith-Hughes Act relating to teacher-training institutions.

Courses in teaching include practise in the departments of Vocational Agriculture and Home Economics in the high schools near the University. Opportunity is offered to graduate students to carry on investigations in the field of Agricultural Education.

Suggested Curriculums in Agricultural Education

Meeting the requirements of teacher training under the Smith-Hughes Act. Prerequisite: Sixty hours in some curriculum of the College of Agriculture.

FIRST YEAR

(Third year of the Curriculum in Agricultural Education)

Required:

Educ. 25—Educational Psychology	3
Educ. 10—Technic of Teaching	3
Educ. 6—Principles of Secondary Education	3
Electives in Technical Agriculture and Education	

SECOND YEAR

(Fourth year of the Curriculum in Agricultural Education)

Required:

Educ'l. Practise 5—Teaching of Agriculture . . .	3-5
Educ. 51—Teachers' Course in Agriculture . . .	3
Electives in Technical Agriculture and Education	

Curriculum in Athletic Coaching

FIRST YEAR

FIRST SEMESTER	Hours	SECOND SEMESTER	Hours
A. C. 30—Football (10 hrs. prac. and theory, 1st half sem.)	2	A. C. 60—Swimming (5 hrs. prac. and theory)	2
A. C. 40—Basketball (10 hrs. prac. and theory, 2nd half sem.)	2	Physiology 1	2
A. C. 3a—Free Exercise (5 hrs. practice and theory)	2	A. C. 3b—Free Exercises (5 hrs. prac. and theory)	2
Rhetoric and Themes	3	Rhetoric 2—Rhetoric and Themes	3
Anatomy	3	Military—Practical Instruction	1½
Military—Practical Instruction	3½	Military—Theoretical Instruction	1½
Military—Theoretical Instruction	3½	Electives	5-8
Electives	2-5		
Total	15-18	Total	15-18

SECOND YEAR

FIRST SEMESTER

A. C. 31—Football (10 hrs. prac. and theory, 1st. half sem.)	2
A. C. 7—Boxing (5 hrs. prac 2d. half sem.)	1
A. C. 8—Wrestling (5 hrs. prac. 2d. half sem.)	1
Physiology 2	3
Journalism 2	3
Military—Practical Instruction	$\frac{1}{2}$
Military—Theoretical Instruction	$\frac{1}{2}$
Electives	4-7
Total	15-18

SECOND SEMESTER

A. C. 4—Apparatus, elementary (10 hrs. prac. and theory)	2
Hygiene	3
A. C. 50—Baseball (10 hrs. prac. and theory)	4
Rhetoric 3b	3
Military—Practical Instruction	$\frac{1}{2}$
Military—Theoretical Instruction	$\frac{1}{2}$
Electives	2-5
Total	15-18

THIRD YEAR

FIRST SEMESTER

A. C. 20—Field and Track (10 hrs. prac. and theory, 1st. half sem.)	2
A. C. 16—Training and First Aid (3 hrs. prac., 1 hr. theory)	2
A. C. 6a—Group Games and Mass Athletics (3 hrs. prac. 1 hr. theory, 2nd. half sem.)	1
A. C. 17—Organization and Administration of Physical Educ.	2
Public Speaking 1	2
Electives	6-9
Total	15-18

SECOND SEMESTER

A. C. 21—Field and Track (10 hrs. prac. and theory, 2d. half sem.)	2
A. C. 6b—Group Games and Mass Athletics (3 hrs. prac., 1 hr. theory, 1st. half sem.)	1
A. C. 32—Football (4 hrs. theory, 1st. half sem.)	2
A. C. 41—Basketball (9 hrs. prac., 1 hr. theory, 2d. half sem.)	2
Educ. 50 (Prac. Coaching, 6 hrs.)	2
Psychology of Athletics	3
Public Speaking 2	2
Electives	1-4
Total	15-18

FOURTH YEAR

FIRST SEMESTER

Educ. 6—Principles of Secondary Education.	3
Educ. 50—Practise Coaching (12 hrs. 1st. half sem.)	2
Educ. 50—Practise Coaching (12 hrs. 2nd. half sem.)	2
Educ. 25—Educational Psychology	3
A. C. 9—Orthopedics	2
Electives	3-6
Total	15-18

SECOND SEMESTER

A. C. 16—Playground (2 hrs. theory, 3 hrs. prac.)	3
Educ. 50—Practise Coaching, 6 hrs. prac.	2
Educ. 10—Technic of Teaching	3
Psychology 9	3
A. C. 5—Physical Diagnosis	2
Electives	2-5
Total	15-18

Curriculum in Home Economics (Smith-Hughes)

Students registering for this course are required to have completed the first two years of the curriculum as prescribed in the College of Agriculture on page 153.

THIRD YEAR

Hist. 1a—Continental European History or Hist. 3a—History of the United States	4 or 3	Educ. 25—Educational Psychology	3
Home Econ. 2—Home Architecture	3	Home Econ. 3—Home Decoration	3
Home Econ. 31—Clothing	3	Home Econ. 5—Dietetics	3
Physiol. 4—Physiology of Digestion	3	Home Econ. 10—Household Organization and Management	3
Psych. 1—Introduction to Psychology	4	Sociol. 1—Principles of Sociology	3
Total	17-16	Total	15

FOURTH YEAR

Bact. 5a and 5b—Elementary Bacteriology or Educ. 50—Teaching and Home Econ. 14—Practise House	5 or 8	Educ. 50—Teaching and Home Econ. 14—Practise House or Bact. 5a and 5b—Elementary Bacteriology	8 or 5
Educ. 6—Principles of High School Education	3	Home Econ. 11—Teachers' Course	3
Educ. 10—Technic of Teaching	3		
Home Econ. 13—Teachers' Course	3		
Total	14 or 17	Total	11 or 8
		Home Econ. 28—Household Organization and Management	2
		Home Econ. 18—Lunch Room Management	5

INDUSTRIAL EDUCATION

The Department of Industrial Education of the University of Illinois has been established as an aid in the promotion of the welfare of industry. This it aims to do largely through the better training of teachers. The department is also concerned with the training of manual training teachers of shop work and drafting in the field of general education, and with the training of administrators for both industrial and manual arts.

While the Department is organized as a part of the College of Education, like all other departments of the University, it makes use of such courses in other colleges and departments as serve its purposes. This makes possible a wealth of material for use of students specializing in Industrial Education.

CURRICULUMS IN INDUSTRIAL EDUCATION

I. Curriculum for Teachers of Shop Work in Vocational Schools and Classes Operating under the State Board for Vocational Education.

FIRST YEAR

First Term

Analysis and Classification of Trade Knowledge (including a study of such mathematics, science, drawing, and English as are needed by a shop teacher).

Second Term

Analysis and Classification of Trade Knowledge. Effective Instructional Order. Methods of Teaching.

SECOND YEAR

First Term

Methods of Teaching. Industrial Resources. Supervised Teaching.

Second Term

Instructional Management, Theory and Organization of Vocational Education, Government and Industry, Supervised Teaching.

II. Curriculum for Teachers of Related Subjects and General Continuation Subjects.

(Federal Vocational Courses)

Prerequisite for entrance: Graduation from an accredited high school.

Four-Year Curriculum Prescribed for Both

	Hours ¹
Rhet. 1, 2.....	6
Art and Design 1, 12.....	5
Phys. Ed. (Men) 1, 1a, 2.....	2
Mil. (Men) 1a, 1b, 2a, 2b, 3a, 3b, 4a, 4b.....	4
Phys. Ed. (Women) 7a, 7b, 8a, 8b, 9.....	5
Indus. Educ. 1, 2, 50, 58.....	14
Educ. 10, 25, 6, 41.....	12
G. E. D. 1.....	4
Sociol. 1.....	3

Prescribed for Related Subjects Teachers'

	Hours ¹
Math. 2 or 3.....	3 or 5
Math. 4.....	2
G. E. D.....	4
Math. 6.....	5
Chem. 1 or 1a or 1b.....	5 or 3 or 4
Phys. 7a, 7b, 8a, 8b.....	10
Chem. 4.....	4
T. and A. M. 14.....	4
M. E. (Men) 75 and 79, 77, 81, 82.....	11
Home Econ. (Women) 1, 7, 12, 19.....	11
Indus. Educ. 52, 53a, 53b.....	7
Econ. 2.....	3
Electives.....	15-19

Prescribed for General Continuation Teachers'

	Hours
Home Econ. 2.....	3
Econ. 1, 7, 22, 26, 27.....	17
Hist. 3a, 3b.....	6
Pol. Sci. 1, 3.....	6
Rhet. 3, 10.....	5
Indus. Educ. 54, 55a, 55b.....	7
Electives.....	21

Summer work in trade or industry is desirable for students who pursue these courses.

¹Semester hours For definition, see page 225.

Four Year Curriculum

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER		Hours ¹
Art and Design 1—Freehand Drawing.....	3	Art and Design 12—Design.....	2			
G. E. D. 1—Elements of Drafting.....	4	Ind. Educ. 29—Advanced Manual Arts.....	4			
Math. 2 or 3—Algebra.....	3 or 5	Math. 6—Analytic Geometry.....	5			
Math. 4—Trigonometry.....	2	Rhet. 2—Rhetoric and Themes.....	3			
Rhet. 1—Rhetoric and Themes.....	3	Phys. Ed. 2—Gymnasium (men).....	1			
Phys. Ed. 1—Gymnasium (men).....	½	Phys. Ed. 7b—Practise (women).....	1			
Hyg. 1—Hygiene (men).....	½	Military—Practical Instruction.....	½			
Phys. Ed. 7a—Practise (women).....	1	Military—Theoretical Instruction.....	½			
Hyg. 2—Hygiene (women).....	1	Elective.....				
Military—Practical Instruction.....	½					
Military—Theoretical Instruction.....	½					
Total.....	17-19	Total.....	15-18	Summer work in trade or industry.....		
		SECOND YEAR				
Chem. 1 or 1a or 1b—Inorganic Chemistry, 5 or 3 or 4	3 or 4	Chem. 4—Qualitative Analysis.....	4			
Phys. 7a—Physics Lectures.....	2½	Phys. 7b—Physics Lectures.....	2½			
Phys. 8a—Physics Laboratory.....	2½	Phys. 8b—Physics Laboratory.....	2½			
Indus. Educ. 1—Manual Arts, First Course..	4	T. and A. M. 14—Elements of Mechanics....	4			
Military—Practical Instruction.....	½	Indus. Educ. 2—Advanced Manual Arts.....	4			
Military—Theoretical Instruction.....	½	Military—Practical Instruction.....	½			
Phys. Ed. 8a—Practise (women).....	1	Military—Theoretical Instruction.....	½			
Elective.....		Phys. Ed. 8b—Practise (women).....	1			
Total.....	15-18	Total.....	18	Summer work in trade or industry.....		
		THIRD YEAR				
Educ. 25—Educational Psychology.....	3	Educ. 10—Technic of Teaching.....	3			
Indus. Educ. 50—Survey of Indus. Educ.....	3	Indus. Educ. 52—Teaching of Related Subjects	3			
Sociol. 1—Principles of Sociology.....	3	Econ. 2—Principles of Economics.....	3			
M. E. 75 and 79—Forge and Pattern Work....	3	M. E. 77—Foundry Work (men).....	3			
Home Econ. 7—Textiles (women).....	2	Home Econ. 1—Selection and Preparation of				
Elective.....		Food (women).....	3			
Total.....	16-19	Elective.....				
		Total.....	17-18	Summer work in trade or industry.....		
		FOURTH YEAR				
Indus. Educ. 57—Organization of Shopwork..	3	Educ. 6—Principles of Secondary Education..	3			
Educ. 41—Vocational Education.....	3	Acc'y 10—Shop Management and Shop Rec-				
Indus. Educ. 53a—Supervised Teaching of		ords.....	2			
Related Subjects.....	2	M. E. 82—Machine Work (men).....	2			
M. E. 81—Machine Work (men).....	3	Home Econ. 12—Clothing (women).....	3			
Home Econ. 19—Dress Design (women)....	3	Educational Practise 16.....	3-5			
Electives.....		Electives.....	3-5			
Total.....	15-18	Total.....	15-18			

The curriculum for General Continuation Teachers may be arranged by substituting in the suggested curriculum above the prescribed courses for General Continuation Teachers:

III. Two year Curriculums for Teachers of Related Subjects and General Continuation Subjects.

(Federal Vocational Courses)

Students over 21 years of age who are graduates of accredited high schools, may, with the approval of the Dean of the College and the head of the department, select two years of work from the curriculums under II. Completion of such two years of college work entitles students to certificates. Students over 25 are not required to take Physical Education or Military Training.

IV. Curriculum for Teachers of Manual or Industrial Arts in Secondary Schools, and Supervisors.

Prerequisite for entrance: Graduation from an accredited high school.

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER		Hours
G. E. D. 1—Elements of Drafting.....	4	Art and Design 1—Freehand Drawing.....	3			
Rhet. 1—Rhetoric and Themes.....	3	Math. 4—Trigonometry.....	2			
Indus. Educ. 1—Manual Arts, First Course..	4	Rhet. 2—Rhetoric and Themes.....	3			
Phys. Ed. 1—Gymnasium (men).....	½	Indus. Educ. 2—Advanced Manual Arts.....	4			
Hyg. 1—Hygiene (men).....	½	Phys. Ed. 2—Gymnasium (men).....	1			
Phys. Ed. 7a—Practise (women).....	1	Phys. Ed. 7b—Practise (women).....	1			
Military—Practical Instruction.....	½	Military—Practical Instruction.....	½			
Military—Theoretical Instruction.....	½	Military—Theoretical Instruction.....	½			
Hyg. 2—Hygiene (women).....	1	Elective.....				
Elective.....						
Total.....	15-18	Total.....	15-18			

¹Semester hours. For definition, see page 225.

SECOND YEAR

Econ. 7—English Economic History.....	3	Art and Design 12—Design.....	2
Econ. 26—Economic Resources.....	3	Econ. 22—The Econ. History of U. S.....	3
M. E. 75 and 79—Forge and Pattern Work (men).....	3	M. E. 77—Foundry Work (men).....	3
Home Econ. 1—Selection and Preparation of Food (women).....	3	Home Econ. 7a—Textiles (women).....	2
Indus. Educ. 3—Advanced Manual Arts.....	4	Econ. 27—Modern Industries.....	3
Military—Practical Instruction.....	1½	Military—Practical Instruction.....	1½
Military—Theoretical Instruction.....	1½	Military—Theoretical Instruction.....	1½
		Phys. Ed. 8b—Practise (women).....	1
Total.....	15-18	Elective.....	
		Total.....	15-18

THIRD YEAR

Educ. 25—Educational Psychology.....	3	M. E. 82—Machine Work (men).....	2
Indus. Educ. 50—Survey of Indus. Ed.....	3	Home Econ. 12—Clothing (women).....	3
M. E. 81—Machine Work (men).....	3	Indus. Educ. 60—Teaching Manual Arts....	3
Home Econ. 19—Dress Design (women)....	3	Elective.....	
Elective.....		Total.....	15-18
Total.....	15-18	Total.....	15-18

FOURTH YEAR

Indus. Educ. 57—Organization of Shopwork..	3	Educ. 6—Principles of Secondary Education..	3
Indus. Educ. 61a—Supervised Teaching.....	2	Acc'y 10—Shop Management and Cost Records.....	2
Sociol. 1—Principles of Sociology.....	3	Econ. 2—Principles of Economics.....	3
Elective.....		Educational Practise 16—Supervised Teaching	3-5
Total.....	15-18	Elective.....	
Total.....	15-18	Total.....	15-16

GRADUATE WORK IN EDUCATION

Graduation work in education is offered to qualified students in the following fields: educational administration; history of American education; educational psychology, including mental tests and clinical psychology; educational statistics; educational measurements; educational theory. The facilities of the University, including the library, laboratories, and the Bureau of Educational Research, are such as to make possible the investigation of all kinds of problems connected with the development of educational practise, theory, and administration. The major purpose of graduate work in education is to train students for administrative positions or for work as educational specialists in connection with city and normal schools, colleges, and universities.

THE UNIVERSITY HIGH SCHOOL

The laboratory work of the College of Education centers around the work of the *University High School*. This school, limited to 250 high school students, offers the customary high school curriculums. The courses in educational practise are conducted by the instructors of the high school in connection with their high school teaching. In this way, through observation of skilled teaching and participation, both in the student and the teacher activities, the college senior secures an unusual type of educational practice. It is believed that these courses will add materially to the strength of the professional work of the College of Education.

BUREAU OF EDUCATIONAL RESEARCH

The Bureau of Educational Research is equipped for the following purposes: (a) the investigation of educational problems; (b) state service through the assimilation of information by correspondence with those making inquiry concerning the problems of education; (c) the distribution of all standard educational scales and tests. Its personnel consists at the present of a director, an assistant director, two research assistants, and a clerical force of six persons, including an assistant for the classification of educational literature.

The Bureau also offers a curriculum designed to prepare students for directing educational research in public schools. This curriculum is planned for three classes of students: (1) superintendents and other supervisors who are directing educational research, (2) supervisors and teachers who desire to advance professionally by preparing themselves to direct educational research, and (3) graduate students in education.

PUBLICATIONS OF THE COLLEGE OF EDUCATION

The College of Education publishes a series of bulletins comprising (a) reports of investigation and studies by members of the instructional staff and students in the department, and (b) publications of the Bureau of Educational Research.

COMMITTEE ON APPOINTMENT OF TEACHERS

The Committee on Appointment of Teachers recommends qualified graduates of the University for positions as teachers or supervisors in public schools, colleges, and technical schools in response to requests from the school authorities. The Dean of the College of Education is chairman of the Committee, and the Secretary of the School is its chief executive officer.

The recommendations of the Committee are made under the following regulations of the University Senate:

1. The University Committee on Appointments is authorized to issue its recommendation, signed by the Committee as the agent of the University, in all cases in which it is satisfied with the student's scholarship and ability to teach. The Committee shall regard the scholarship requirements as met if, in addition to carrying the professional courses mentioned in the next paragraph, the student has passed with an average grade of B in the courses necessary to constitute a major in the principal subject which he wishes to teach, and in courses aggregating a minimum varying from six to twelve semester hours (according to subject, and at the discretion of the Committee) in each of the other subjects for which he wishes to be recommended. The Committee shall, however, in each case secure the written opinion of the departments concerned in regard to the scholarship of the applicant, and shall view the evidence of scholarship as shown by the records in the light of this opinion; and if there appear to the Committee to be reasons which from their nature cannot be shown by mere records for questioning the scholastic ability of the student, the Committee may in its discretion withhold the recommendation.

2. A candidate must have successfully completed the following courses in the department of education: a. An introductory course which shall aim (1) to acquaint the prospective teacher with the public school system as it exists today in the United States, and (2) to present a brief outline of the principles of education. (A four-hour course.)

b. A course in the technics of teaching, accompanied by observation of class-room work in secondary schools, and including a discussion of class-management (routine and discipline), the elements of school hygiene, and the types of school exercises. (A three-hour course.)

3. The Dean of the College of Education may, in his discretion, excuse a candidate from the professional courses outlined above. (1) if the candidate is a normal-school graduate or has taken equivalent courses in a normal school or in another college or university; or (2) if the candidate has had at least one year of successful teaching experience. If, at the time of registration with the Committee on Appointments, the candidate has not completed one of the required courses, but is enrolled at that time in the course, a Committee recommendation may be given with the approval of the instructor in charge of the course.

The courses mentioned in Section 2 are (a) Education 25, Educational Psychology (4 hours), and (b) Education 10, Technic of Teaching (3 hours). Either course may be taken in either semester.

CERTIFICATION OF HIGH-SCHOOL TEACHERS IN ILLINOIS

A student who expects to teach in the Illinois high schools should bear in mind that all teachers must be duly certificated. County high-school certificates are granted upon examination by county superintendents, and State high-school certificates upon examination by the State Superintendent. For county high-school certificates issued without an examination the new certificating law makes the following provision:

"At the option of the county superintendent, a high school certificate may be issued without examination to graduates of a recognized normal school, college, or university, who present within three years after graduation, certified credits in English, pedagogy and six high school subjects (chosen from a list published by the Examining Board) and accompanied by faculty recommendations of ability to teach in the high school." (Section 6.)

The educational courses required for the official recommendation of the University, Education 10 and 25, are commonly accepted as meeting the requirements in pedagogy.

State high-school certificates are granted under the following conditions:

"A four-year high school certificate valid in any high school in the State, for which the requirements shall be: (1) Graduation from a recognized college or university, or the completion of an equivalent preparation; (2) three years' successful teaching, two of which shall have been in the State on a first grade, a high school, or a supervisory county certificate; (3) a successful examination in English, educational psychology, and the principles and methods of teaching, and (4) the preparation of a thesis on one or more secondary school problems, the subject or subjects of which shall be selected from a list prescribed by the Superintendent of Public Instruction

"[Note—Candidates who have had three years of successful experience in teaching, two of which were in Illinois under a first grade certificate and have exchanged the same for a county high school certificate under the new law, meet the requirements of No. 2.]" (Circular 72, State Department of Public Instruction.)

Education 10 and 25 embody the materials usually covered by the State examinations in educational psychology and in methods of teaching.

CERTIFICATION OF SUPERINTENDENTS AND PRINCIPALS

The following are the requirements for certification in supervisory work:

"A four-year supervisory certificate, valid for supervisory work and for teaching in any district in the State. The requirements for this certificate shall be: (1) Graduation from a recognized high school and from a recognized normal school, or an equivalent preparation; (2) three years' successful supervision, two of which shall have been in this State on a county supervisory certificate; (3) a successful examination in English

educational psychology, sociology, the history of education, and school organization, administration, and supervision, and (4) the preparation of a thesis on one or more problems of school administration, the subject or subjects of which shall be selected from a list prescribed by the Superintendent of Public Instruction.

"[NOTE—Candidates who have had three years of successful experience in teaching, two of which were in Illinois, under a first grade certificate, and have exchanged the same for a county supervisory certificate under the new law, meet the requirements of No. 2.]"

LIFE CERTIFICATES

"At the time of its expiration, upon evidence of successful teaching or supervision satisfactory to the Superintendent of Public Instruction, any four-year State certificate enumerated in this Act shall become valid and be endorsed for life. The Validity of State certificates now in force and those issued in accordance with this Act, shall be conditioned upon the good behavior of the holder." (Circular 72, State Department of Public Instruction.)

Education 2, 4, 6, 16, 20, and 25 embody the material usually covered by the examination (except in English) for the State supervisory certificate.

REQUIREMENTS OF THE NORTH CENTRAL ASSOCIATION

Students who anticipate teaching in high schools accredited to the North Central Association of Colleges and Secondary Schools should complete courses in education aggregating at least *eleven* semester hours. This requirement of the Association is effective for new teachers after 1915, but is not retroactive. Certain work offered outside the department of education, especially "teachers' courses," may be counted as part of the eleven-hour minimum.

THE CHICAGO TEACHER-TRAINING CENTER

In 1918 the State Board for Vocational Education designated the University of Illinois as an institution for the training of teachers for the trades and industries under the terms of the Smith-Hughes Act. In connection with this enterprise the College of Education was authorized by the Board of Trustees to establish a center in Chicago in which skilled mechanics possessing an interest in teaching might be trained. The Board of Education of the city of Chicago provides class-rooms and equipment for instruction. The instruction is carried on in night classes by members of the faculty of the University and is under the administrative charge of the Associate Professor of Industrial Education.

THE SCHOOL OF RAILWAY ENGINEERING AND ADMINISTRATION

GENERAL STATEMENT

The School of Railway Engineering and Administration has been established to prepare men for the technical and administrative departments of railroads. The work offered is arranged in five different curriculums, any one of which is designed to occupy four years' time. The curriculums are:

- Railway Civil Engineering
- Railway Electrical Engineering
- Railway Mechanical Engineering
- Railway Administration
- Railway Transportation

The first three of these curriculums are administered by the College of Engineering, and a description of them appears with that of other curriculums offered by this College. Students are admitted to them under the same conditions as to other curriculums of the College of Engineering, and they have available for their use all of the library, drafting-room, and laboratory facilities which constitute the equipment of this College. The last two curriculums are administered by the College of Commerce and Business Administration; they are described in detail in connection with the other curriculums of this College. Students are admitted to them under the same conditions as to other curriculums of the College of Commerce and Business Administration.

It is the purpose of each of these curriculums to add to a foundation of general discipline and training specialized training for those who look forward to careers in railway service.

MILITARY SCIENCE

Under the Morrill Land Grant of 1862 (see page 42) military training is required, and under the Act of Congress of June 3, 1916, there are at the University of Illinois six units of the Reserve Officers' Training Corps.

All male students who are citizens of the United States and physically fit, except (1) students over twenty-five years of age when entering the University and (2) students entering the University with junior standing, are enrolled during their freshmen and sophomore years in the Reserve Officers' Training Corps.

The Reserve Officers' Training Corps courses cover four consecutive years of work. The basic course consists of the first two years and students in this course are required to devote three periods a week of not less than one hour each to military science and training. For each semester of work in the basic course one hour credit towards graduation is granted. Students of the basic course may attend a summer camp of six weeks. No university credit is allowed for this camp.

The final two years in the Reserve Officers' Training Corps is called the advanced course. Students who have completed the basic course may elect to take the advanced course, and, if selected by the President of the University and the Professor of Military Science and Tactics, they will be eligible to sign the contract with the Government to pursue the course for two years for which they will receive the payment of commutation of rations provided by law. Students of the advanced course are required to devote five hours a week to military science and training for the two years of the course and the completion of this work becomes for them a prerequisite for graduation; they are also required to attend one summer camp of six weeks duration. From the beginning of the advanced course until the conclusion thereof, except for the time spent in camp, such students receive commutation of rations at a rate determined by the Secretary of War; the rate at present is 40 cents per day. At camp rations in kind are furnished and payment of \$1.00 a day is made each student. For each semester of work in the advanced course, students receive $1\frac{1}{2}$ hours credit toward graduation. Students who have been members of units of the Reserve Officers' Training Corps may take advanced work provided they present certificates signed by the Professor of Military Science and Tactics under whom they served, indicating that they have satisfactorily completed the courses in military science. If such certificates indicate that students have completed two years of the junior R.O.T.C. training or one year of senior R.O.T.C. training, such students will, if they elect to take infantry, register for sophomore infantry. Such students may enter the advanced course their second year and if selected by the President of the University and the Professor of Military Science and Tactics, they will be eligible to sign the contract with the Government to pursue the course for two years for which they will receive the payment of commutation of rations provided by law. Students who present certificates of completion of three years work of the junior course and of especial proficiency, or of completion of two years of the senior course, will, if they elect to take infantry, register for junior infantry thus entering the advanced course at once. Such students if selected by the President of the University and the Professor of Military Science and Tactics are eligible to sign the contract with the Government to pursue the course for two years for which they will receive the payment of commutation of rations provided by law. Requests to take advanced work in courses other than infantry by students who have had previous training in the Reserve Officers' Training Corps will be determined on the merits of the individual cases, for two years or more of work in the Junior Reserve Officers' Training corps. Students may be authorized to take work one year advanced; such students will be eligible for selection to enter the advanced course their second year. To receive such credit students should present to the Professor of Military Science and Tactics a detailed record of the courses which they have pursued. A student who completes the elective advanced course is eligible for appointment by the President of the United States as a reserve officer of the United States Army for a period of five years; and is eligible, also, for appointment as a temporary second lieutenant of the regular army, in time of peace, for purposes of instruction, with the allowances provided by law for that grade and pay at the rate of \$100 a month for six months; on the expiration of this period of service with the regular army he reverts to the status of a reserve officer. Students who complete one year of the advanced course are eligible for appointment as warrant officers or non-commissioned officers; the students who complete the

basic course of the first two years are eligible for appointment as sergeants in the enlisted Reserve Corps of the United States Army.

The military instruction is under the direction of officers of the United States Army. The courses have special reference to the duties of officers. The equipment for military instruction is furnished by the War Department and includes: for Infantry, United States magazine rifles, automatic pistols, revolvers, machine guns, trench mortar, and 37 millimeter gun; for Artillery, four American three-inch guns and complete equipment for battery and battalion headquarters, also one each of the following: 155 mm. Howitzer (Schneider), 155 mm. gun (Filloux), 4.7 inch American gun, 75 mm. French gun, 75 mm. British gun, 75 mm. American gun, engineer and signal equipment, tractors, reconnaissance car and trucks; seventy-five horses, saddles, bridles; for Cavalry, sixty horses, saddles, bridles, rifles, pistols, sabers, and automatic arms; for Engineers, engineer instruments used for military sketching, surveying and making of maps, demolition equipment, map reproduction and photographic equipment, tools and supplies for field fortification, bridge material and heavy ponton equipment; for Signal Corps, radio telephone and telegraph instruments, field telephones, telegraph instruments, heliographs, flags, wire carts, storage batteries, etc.; for Air Service, airplanes, airplane engines, aerial machine guns, aerial bombs, motor test block, radio code and buzzer sets, etc. Ammunition and supplies for demonstrations and practise are furnished. Students in each arm of the service are given instruction in the functions and equipment of the other arms.

The Cadet Brigade consists of an Infantry Brigade of two regiments, one regiment of Field Artillery, one regiment of Cavalry, one battalion of Engineer, one Signal Corps battalion, one Observation Group of the Air Service. The training of each of these courses is directed by an army officer of the appropriate arm of service. A student is free to choose any branch for which his aptitude and course of study fit him. Appointments as cadet officers in the Brigade are made on the nomination of the Commandant of Cadets, confirmed by the Council of Administration. There shall be as many instructors in military science as are deemed necessary, to be selected from the field officers and captains of the brigade, on the recommendation of the Professor of Military Science and Tactics, and approved by the proper authority. They shall receive \$100 a year, payable at the rate of \$10 a month from September 1.

A committee appointed by the President of the University examines candidates for nomination to the Governor of the State for commissions as brevet captains in the State Militia. Candidates must be members of the senior class in full standing; must have completed the course of military studies; must have served two semesters as commissioned officers; and must be approved by the Council of Administration as having good reputations as scholars, officers and gentlemen.

The University military band is composed of students, and every full term of service therein is counted as one term of drill. Those who play in the band after having earned their four military credits necessary for graduation have their incidental fees remitted at the end of each year. Besides giving several concerts during the year, the band furnishes music for regimental formations and ceremonies and other occasions as required by the President of the University. Membership is decided by competitive examination.

PHYSICAL EDUCATION

FOR MEN

The purpose of the work in the Department of Physical Education is to place the emphasis on the educative values of the various physical activities in developing function, perfecting nervous control, and on mental and moral improvement. The courses are so administered that the following benefits are likewise attained:

Hygienic—Development of organic vigor, improvement of health, and the creation of good physical habits.

Corrective—Correction of posture and carriage of undeveloped or deformed parts.

Recreative—Giving an opportunity and incentive for physical recreation.

Physical Education is compulsory for all freshmen. Regular classes are formed in boxing, wrestling, fencing, swimming, and for class and individual proficiency on the various gymnasium appliances. Lectures are given on personal hygiene.

All competitive athletic games are under the direct supervision of the Director of Physical Education, and an examination is required to show that membership on any team will not cause injury, but will tend to improve the physical condition of the participant. No student whose class work is unsatisfactory is allowed to play on a University team.

For a description of the Men's Gymnasium, see page 52.

FOR WOMEN

The purpose of the work of this department is to improve and maintain the health, poise, and coordination of the young women of the University. Each student, when she enters the University, is examined by the medical adviser for women, and further medical examinations are given when deemed necessary.

The class work embraces corrective, hygienic, and recreative exercise, including free and light gymnastics, apparatus, marching, folk dances, and games. Tennis, hockey, basketball, volleyball, baseball, soccer football, archery, quoits, and lawn bowling are played in season.

The gymnasium is open at certain hours and under suitable restrictions to all women of the University. The uniform consists of black serge bloomers, white middie blouse, black tie, and gymnasium shoes.

The swimming pool is open daily, except Saturday, from 10 to 12 a. m., and from 2 to 5:30 p. m. The regulation swimming suit of one piece must be made of cotton jersey or other cotton material.

For a description of the Women's Gymnasium, see under Woman's Building, page 52.

THE SUMMER SESSION

DAVID KINLEY, Ph.D., LL.D., PRESIDENT OF THE UNIVERSITY

CHARLES ERNEST CHADSEY, Ph.D., Litt.D., *Dean of the College of Education, and Director of the Summer Session.*

GENERAL STATEMENT

The Summer Session of the University of Illinois for 1921 opened June 20, and closed August 13, making a term of eight weeks, or one-half a semester, for all students except graduate students who are candidates for a master's degree, for whom the prescribed term is nine weeks, and except students taking only courses in library science, physical education for men, athletic coaching, for whom the term was six weeks from June 20. The Summer Session of 1922 will open on June 19 and close on August 12.

All of the courses, except those in library science and physical education for men, will extend through the eight weeks. Students who wish to remain for only six weeks, however, may obtain from the Director of the Summer Session a certificate for such attendance, but university credit will not be given for six-weeks' courses except for those in physical education for men and in athletic coaching.

Students may register for courses aggregating eight hours or less.

PURPOSE

The Summer Session is an organized integral part of the University year. Tho its organization is not subdivided into colleges, numerous courses are offered by departments in the Colleges of Liberal Arts and Sciences, Commerce, Agriculture, Engineering, Education, and in the School of Music and the Library School. All courses may be counted toward an A.B. or B.S. degree, or toward a master's degree, unless otherwise specified. By two Summer Sessions a regular student may reduce the eight semesters to seven, thus securing his degree a half year earlier than he would otherwise have done.

Students who have just graduated from an accredited high school may matriculate in the Summer Session and obtain credit for a half-semester. Pre-medical students are strongly urged to do this and to register for chemistry or zoology, mathematics, rhetoric, or other prescribed pre-medical subjects.

One of the primary purposes of the Summer Session is to meet the needs of the teachers in the public schools who wish to spend part of the summer vacation in serious study or investigation. Numerous courses are designed particularly for high-school teachers, supervising officers, teachers of special subjects (agriculture, art, home economics, manual training, music, industrial education, etc.), and coaches of athletic teams; graduate courses are offered for college instructors, school supervisors, and principals who are working for advanced degrees.

ADMISSION

Admission in regular status to courses in the Summer Session for which university credit is granted is limited to students who could be regularly admitted into the colleges of the University (Liberal Arts and Sciences, or Commerce, or Engineering, or Agriculture) in which they would be registered in the winter session.

In order to meet in full the entrance requirements for any one of these colleges, a student must be a graduate of an accredited high school (or in lieu of such graduation, must pass entrance examinations in five units, including English composition, 1; algebra, 1; and three others to be designated by the University authorities in each case), and must obtain credit, either by passing entrance examinations or by presenting certificates of work completed in accredited secondary schools or other recognized schools, for 15 units of high-school work, or the equivalent, in subjects accepted for admission to the University, including in the case of each college certain subjects especially prescribed for admission to that college. (See pages 62-80).

Admission to courses which give university credit, as *special students, not candidates for a degree*, may be granted to persons 21 years of age or over, subject to the general regulations of the University relating to special students.

A student who transfers from another college or university must present a letter of honorable dismissal, and transcript of record, from the institution previously attended.

REGISTRATION

Students will present themselves for registration on Monday, June 19, 1922.

FEES

All fees are due upon registration.

A tuition fee of twenty dollars (\$20) (Incidental, \$12, tuition, \$8) is required of all students in regular attendance at the Session. This entitles one to admission to regular courses and to all special lectures. An extra laboratory fee is charged in some courses for materials used. Any single course, counting not more than two and one-half credit hours, may be taken for a fee of six dollars (\$6) and the laboratory fee, if there be any in connection with the course taken.

Fees in addition to the tuition fee are required for practical courses in music.

SCHOLARSHIPS

By ruling of the Board of Trustees of the University, all high-school teachers in Illinois, and all other teachers in the State who are qualified to matriculate in the University as regular students, are entitled to Summer Session scholarships, exempting them from payment of the incidental fee, \$12. Similar scholarships are granted librarians and library assistants employed by Illinois libraries and persons under appointment to such positions. To matriculate regularly in the University, one must either pass the entrance examinations, or present a certificate from an accredited high school or other evidence of having completed the requisite amount of preparatory work.

The Board of Trustees had extended the scholarship privileges also to persons graduated from the Illinois State Normal Schools during the academic year preceding the session in which the scholarship is desired, and to persons (otherwise qualified) who have not been teachers, but who are under contract to teach in the State during the coming year.

Application blanks for scholarships may be obtained by addressing the Registrar.

GRADUATE WORK IN THE SUMMER SESSION

The Summer Session places emphasis on graduate courses leading to the master's degree. The departments related to high-school teaching and to educational administration have been selected as the centers of this emphasis. An attempt is made to vary the graduate offerings from year to year so that advanced students each year may find acceptable work in their chosen fields.

The normal requirement for the master's degree is full work of graduate grade, satisfactorily completed, through one year of residence. This means a residence of thirty-six weeks at the University. Qualified graduate students may fulfill this residence requirement in four summer sessions of eight weeks each and an additional four weeks' study at the University under the direction of the person in charge of the major work. Thus a student, by working at the University for one week before or after each session under the direction of the professor in charge of his major subject, may earn the master's degree in four summers.

In certain cases it will be possible for the graduate student to complete the last fourth of his residence requirement under a leave of absence. This privilege may be granted in the event that the student is able to take advantage of opportunities for research and investigation that are not afforded in the University community. Superintendents, principals, and class-room teachers frequently find it possible to carry on investigations in connection with their school work. There are, for example, numerous problems of school administration and of teaching for which the public school itself forms the only available "laboratory." Where the investigation of such problems is prosecuted with the cooperation of a department of the University, it may be possible to count the work toward the master's degree.

COURSES IN LIBRARY SCIENCE

Beginning Monday, June 20, 1921, and continuing for six weeks, the Library School conducted courses to which were admitted only high-school graduates actually employed as librarians, or library assistants, or as teacher-librarians, or under definite appointments to serve in such positions. The curriculum met especially the needs of workers in college,

public, and high-school libraries of Illinois, and no tuition fee was charged students entering from a library in this state; students entering from libraries in other states paid a tuition fee of \$12. The work was under the general direction of the faculty of the Library School, and the instruction was given by members of the faculty, supplemented by lectures by neighboring librarians. No credit toward the B. L. S. degree is given for the work.

Courses of the regular two-year curriculum were also offered, to college graduates who satisfied the entrance requirement. These courses extended over eight weeks, and were accepted for credit to the B. L. S. degree. Admission to these courses was conditioned on the presentation of credentials showing that the applicant held a Bachelor's degree in Arts or Science from the University of Illinois or had other equivalent training.

Application blanks for admission must be secured, and these should be filled out and sent to the Director of the School together with such additional statements as the candidate may offer, showing his qualifications for admission. The application must be filed sufficiently early to enable the School to receive replies from librarians and others who have personal knowledge of the applicant.

COURSES FOR ATHLETIC COACHES

Courses for Athletic Coaches were established in connection with the Summer Session of 1914, under the general direction of George A. Huff, Director of Physical Education for Men, to meet the growing demand, not only from high schools, but from colleges and other institutions as well, for trained men to direct and coach athletics. They were designed to assist both the high-school teacher or principal, who desired to become proficient in coaching one or more athletic teams and the man who intended to take up the directing of athletics or coaching as a vocation.

Each year the courses have been a feature of the Summer Session. They occupy the first six weeks. All the courses were taught by the men who coach the athletic teams of the University of Illinois: in baseball (Director Huff and Mr. Lundgren), track athletics (Mr. Harry Gill), basket-ball (Mr. F. J. Winters), gymnasium (Mr. Arthur J. Schuettner), football (Mr. Robert Zuppke), and organization and administration (Mr. J. L. Griffith). The athletic plant of the University is turned into a laboratory and a larger part of the instruction is given on Illinois Field.

Students may devote either their whole time, or part of their time to these courses. Detailed information regarding the courses for Athletic Coaches may be found in a special circular which will be sent on application to George A. Huff, Director, Gymnasium, Urbana, Illinois.

ATHLETICS

Altho both the men's and women's gymnasiums will be used in some parts of the regular class work in Physical Education, they are nevertheless open to students not registered in those courses, for the purpose of general recreation and exercise. Both of the gymnasiums contain swimming pools, shower baths and other forms of bath, lockers, and dressing rooms. Students are charged a small sum for a locker. The tennis courts, general athletic fields, and golf courses on the University campus are open to the student body.

DESCRIPTION OF COURSES

For a description of the courses offered in the Summer Session, see the General Description of Courses, beginning on page 223.

THE COLLEGE OF LAW

For the *faculty* of the College of Law and for the *courses* in law, see under "Law" in the Description of Courses, Part III; for *fees* and *expenses*, see page 102.

COURSES OFFERED

The College of Law offers a three-year curriculum in law, based on an entrance requirement of two years of college work and leading to the degree of Bachelor of Laws (LL.B.).

THE THREE-YEAR CURRICULUM IN LAW

ADMISSION

For admission to the three-year curriculum as a regular student, an applicant must be matriculated and have 60 hours of credit in a college of this University; or have completed two full years of work as given at another college or university of recognized standing, as a matriculated student in such college or university; or have received by transfer 60 hours of university credit here. No student will be admitted after September 1, 1922, who has less than the prescribed amount of college credit.

SPECIAL STUDENTS

In exceptional instances, persons over twenty-one years of age may be admitted with the approval of the Dean of the College of Law. In determining whether a person may be admitted as a special student, consideration will be given to the applicant's age and experience as bearing upon his ability to pursue law studies successfully and the likelihood of his being able to complete the requirements for admission as a regular student. A special student is not a candidate for a degree and no credit earned by one who is a special student in the College of Law at the time he receives the credit may be counted toward a degree in law.

Neither admission nor attendance as a special student in the College of Law in one semester gives a right to continue as a special student for any subsequent semester. If a special student's record has been in any respect unsatisfactory, the Dean of the College of Law may refuse him permission to register as a special student in any subsequent semester.

No special student in the College of Law shall for the purpose of any class organization or other activity be considered to be a member of the first, second, or third year classes in the College of Law, nor of any class in the University unless the appropriate University authority shall so determine.

ADVANCED STANDING

After matriculation, an applicant may obtain advanced standing (1) by transfer of credits from another accredited law school upon presentation of a certificate of honorable dismissal and a certified record of work done; or (2) by examination taken at the time of entrance to the College of Law in first-year subjects only.

Suggested Pre-Legal Curriculum

The student entering the University with the intention of taking a law course is advised to register as a pre-legal student and to plan his preliminary college work with great care. He is invited to consult members of the faculty of the College of Law in regard to his plans. In general, the following schedule of studies is recommended:

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
	Hours		Hours
Hist. 2a—English History.....	3	Hist. 2 b—English History.....	3
Rhet. 1—Rhetoric and Themes.....	3	Rhet. 2—Rhetoric and Themes.....	3
Foreign Language.....	4	Foreign Language.....	4
Mathematics or Chemistry.....	5	Mathematics or Chemistry.....	5
<i>or</i>		<i>or</i>	
Pcc'y 1a—Principles of Accounting.....	3	Acc'y 1b—Principles of Accounting.....	3
Ahys. Ed. 1 and 1a.—Gymnasium and Hygiene	1	Phys. Ed. 2—Gymnasium.....	1
Military—Practical Instruction.....	½	Military—Practical Instruction.....	½
Military—Theoretical Instruction.....	½	Military—Theoretical Instruction.....	½
Total.....	17 or 15	Total.....	17

SECOND YEAR

Econ. 1—Principles of Economics.....	5	Econ. 2—Money and Banking.....	3
Hist. 3a—History of the U. S.....	3	Engl. 20—Chief English Writers.....	4
Philos. 1—Logic.....	3	Hist. 3b—History of the U. S.....	3
Pol. Sci. 1—American National Government.	3	Pol. Sci. 3—State and Local Government....	3
Pub. Sp. 1—Oral Expression.....	2	Pub. Sp. 2—Extemporaneous Speaking.....	2
Military—Practical Instruction.....	½	Military—Practical Instruction.....	½
Military—Theoretical Instruction.....	½	Military—Theoretical Instruction.....	½
Total.....	17	Total.....	16

The courses in military, physical education, rhetoric, and foreign languages are required of freshmen, and the second-year courses in military of sophomores, in the College of Liberal Arts and Sciences. With these exceptions the above list is intended to be suggestive rather than prescriptive.

English political and constitutional history is necessary for the understanding of our own law and government. The practical usefulness of courses in argumentation and debate, public speaking, and logic is obvious.

Students who may be interested in mathematics and the physical sciences may properly substitute additional courses in these subjects in the second year. The training in the deduction of principles and their application to the solution of problems which these studies afford is held to be of distinct advantage to prospective students of the law.

Still other suggestions as to suitable electives for pre-legal students may be obtained from the outline of the General Business Curriculum, page 119.

SIX-YEAR COMBINED COURSES

The attention of students who can spend more than five years in professional preparation is especially called to the six-year courses, by which they may take in the College of Liberal Arts and Sciences or in the College of Commerce three years of work deemed valuable for one who intends to be a lawyer, and by combining it with three years of work in law obtain in six years both a bachelor's degree in Arts or Science and the degree of Bachelor of Laws or Doctor of Law. To this end thirty hours of credit in the College of Law may be counted toward both degrees. See the statement about electives in law in the College of Liberal Arts and Sciences (p. 109) and the curriculum in Commerce and law (p. 125). Law subjects to be so counted may not be taken before the Junior year. The student must take at least two courses in any semester amounting to not less than five semester hours, and his choice of courses is subject to the approval of the Dean of the College of Law.

A candidate for both degrees must in his fourth year register in the College of Law, and also register or file a copy of his study-list in his other college, as that college may require.

Students in a combined six-year course will need to exercise some care and foresight in order to be able to comply with the requirements of the College of Liberal Arts and Sciences or the College of Commerce as to majors, minors, and group electives within three years.

PRACTISE COURT

The sessions of the Practise Court are held every Monday afternoon of the first semester for the third-year class and every Monday afternoon of the second semester for the second and third-year classes together. The court is presided over by Judge O. A. Harker, who has had an experience of twenty five years as a judge of the Circuit and Appellate Courts of Illinois. It is the purpose to have the proceedings of the Practise Court conform to proceedings in the various courts of the states. Students are trained in the preparation of pleadings, brief making, legal investigation and argument, the preparation of legal documents, and in the trial of cases, both civil and criminal.

THE LAW LIBRARY

The Law Library contains 37,000 volumes, including all the reports of the courts of last resort of all the states; the United States Supreme, Circuit, and District Court reports; the National Reporter System; the English reports; the Irish reports; the Scotch Appeal cases; the Current Canadian and Australian reports, and complete reports of several of the Canadian provinces; the statutes of the various states; several sets of selected cases, such as the American Reports, American State Reports, American Decisions, Lawyers' Reports (Annotated), and American and English encyclopedias and digests; and a full collection of standard text-books and legal periodicals.

THE DEGREE OF BACHELOR OF LAWS

The degree of Bachelor of Laws (LL.B.) is granted to regularly matriculated students who pursue the prescribed curriculum and obtain 84 hours of credit in law courses. A student having grades below "C" in subjects aggregating more than twenty-five per cent of his entire work will not be graduated.

THE DEGREE OF DOCTOR OF LAW

The degree of Doctor of Law (J. D.) is granted to students who comply with the following conditions:

- (1) Complete the work required for the degree of Bachelor of Laws.
- (2) Secure a bachelor's degree in Liberal Arts and Sciences at least two academic years prior to the completion of the courses for the degree of Doctor of Law.
- (3) Obtain a minimum average of "B" in the College of Law.
- (4) Present a thesis approved by the faculty of the College of Law.

The thesis may be returned to the writer for revision, or if unsatisfactory, it may be rejected altogether. If returned for revision it may be rejected after being revised. If accepted, it will be filed in the Law Library, and may be published by the College of Law or by the University.

CERTIFICATE FOR ADMISSION TO THE ILLINOIS BAR EXAMINATION

Any student, although not a candidate for a law degree, if he has taken at least ten hours a week for the period of three academic years, from among the courses offered, is entitled to a certificate thereof from the University, which certificate satisfies the requirements as to legal studies prescribed by the Supreme Court for applicants for admission to the bar examination.

CURRICULUM

The program of instruction in law is designed to occupy the student's full time for three years. The fundamental subjects are presented in the first year, the more specialized and practical topics in the second and third years. A few subjects are given only in alternate years.

Students are required to take courses averaging fourteen (14) hours of credit each semester. No student may take more or less than the specified number of hours without the permission of the Dean of the College of Law.

CURRICULUM IN LAW

Candidates for a degree in law are required to pursue all the studies listed for the first year and the course in Equity, and to obtain in other courses listed as law courses, or otherwise available toward the degree (see below) a total of 84 credits.

FIRST SEMESTER		FIRST YEAR		SECOND SEMESTER	
	Hours		Hours		Hours
Law 1a—Contracts.....	3	Law 1b—Contracts.....	3		
Law 2a—Torts.....	3	Law 2b—Torts.....	3		
Law 5—Criminal Law.....	3	Law 3—Real Property I, Rights in Land....	3		
Law 6—Personal Property.....	3	Law 7—Domestic Relations.....	2		
Law 44—Actions.....	2	Law 11—Agency.....	3		
Total.....	14	Total.....	14		

Second Year

The student is required to take the course in Equity in his second year, and is advised to include in the courses of that year Common Law Pleading, Evidence, Real Property II (Titles), Equity Pleading and the Practise Court for second-year students.

Third Year

The student is advised to postpone to and include in the courses of his third year Private Corporations, Constitutional Law, Conflict of Laws, Illinois Procedure, and the Practise Court for third-year students.

A student registered in the College of Law may count in credits toward a law degree the courses in Advanced Accounting and Auditing (Accountancy 3a-3b); Corporation Management and Finance (Econ. 10); English Constitutional History (Hist. 4a-4b); Public International Law (Pol. Sci. 6a, 6b, Law 30a, 30b); Argumentation (Public Speaking 3); Debate (Public Speaking 4); provided that the courses are taken while registered in the College of Law; that the total of credits for such courses shall not exceed ten; and that no such credit shall be so counted which is also counted to make up the sixty hours of college work required for a law degree or toward the degree of Bachelor of Arts or of Bachelor of Science.

PRIZES

Eight scholarship prizes are open to matriculated students of the first and second years, to be awarded at the end of each year, four of \$25.00 each semester and four of \$12.50 each semester, available in discharge of incidental fees.

The American Law Book Company offers a set of Cyclopedia of Law and Procedure and Corpus Juris to date to that student in the Law School who excels in a brief-making competition carried on under the supervision of a member of the law faculty and in accordance with regulations laid down by the American Law Book Company.

PRIVILEGES OF STUDENTS

The students of the College of Law may take, without extra fee, courses of study in other departments of the University, provided they secure the approval of the Dean of the College of Law. Especial attention is called to the courses in public speaking and debate, and to the courses in history, economics, accounting, and political science.

Law students are entitled to library privileges in the general library as well as in the law library, and possess in general all the privileges enjoyed by other students of the University, such as the use on equal terms of the gymnasium, tennis courts, and golf course.

THE COLLEGE OF MEDICINE

BUILDING AND EQUIPMENT

Located in the city block bounded by Harrison, Congress, Honore, and Lincoln streets.

CLINICAL FACILITIES

Dispensary

The Dispensary occupies the first floor and part of the second floor of the College Building. It is divided into ten departments: medicine, surgery, pediatrics, orthopedics, laryngology, dermatology, ophthalmology, gynecology, neurology, and genito-urinary diseases. Twenty-seven thousand and six treatments were given in 1920-21. Six thousand nine hundred and eighty new patients were registered during the same period.

Opportunities are afforded the student to examine the cases personally under the guidance of instructors. As far as possible, the student is required to make laboratory examinations pertaining to his own cases. Such examinations as the Wassermann reaction are made by the instructors in the laboratory but the student has an opportunity to follow these and to learn the technique involved.

Clinics

In addition to those in the dispensary more than 600 clinics in various hospitals are open to students. The great majority of diseases seen in the temperate zone are demonstrated, and most of the operations of surgery are performed in these clinics.

Fourth-year students are required to examine and diagnose many cases, and under certain conditions may assist in operations.

The Cook County Hospital is located within half a block of the College. This institution is the largest charity hospital in America. During the past year, it has cared for 59,500 patients. In this hospital is conducted much of the clinical instruction of the College.

Medical appointments in this institution are made each year by the Civil Service Board. The internes, 73 in number, are selected each spring by competitive examination. Only graduates of medical colleges of Cook County are eligible for these examinations. The internes serve eighteen months.

The County Morgue is located in the hospital grounds, and daily postmortems are held by the pathologists of the hospital.

The hospital tickets cost \$5.00 each. They are for sale at the office of the Warden. They admit the holders to all clinics and autopsies and to all public operations and lectures.

The University Hospital is located at the corner of Congress and Lincoln streets, opposite the College. The Directors of the hospital are members of the faculty of the College. Bedside instruction is given, under certain conditions, to small groups of students. No students, excepting those of the College, were admitted to clinical instruction in the hospital during the year 1920-21.

There is no charge for admission to these clinics.

The selection of internes for this hospital is limited to graduates of the College.

Clinical instruction to students in small groups, and bedside instruction to those serving as externes, may be given in the following hospitals:

Augustana Hospital	St. Joseph's Hospital
Michael Reese Hospital	West Side Hospital
St. Luke's Hospital	Grant Hospital
Illinois Charitable Eye and Ear Infirmary	St. Elizabeth's Hospital
St. Mary's of Nazareth Hospital	Chicago Policlinic Hospital

LIBRARY FACILITIES

The Quine Library is housed on the second floor of the medical building. It contains 24,287 bound volumes and a number of reprints and separates.

The John Crerar Library, containing files of journals, monographs, separates, and

standard texts, covering practically the entire field of medicine, is easily accessible from the College.

The collections of the library include the standard text-books, works of reference monographs, and journal files in the fields of medicine, dentistry, and pharmacy.

NEW HOSPITAL FACILITIES

The General Assembly of 1919 appropriated \$300,000 for the construction of a Clinical Building. This building will be devoted to the investigation and treatment of those diseases which belong in the fields of general medicine, surgery, obstetrics, and gynecology.

The General Assembly of 1919 also appropriated about \$1,000,000 to the State Department of Public Welfare for the construction of a group of Educational Hospitals in the city of Chicago. This group is to begin with the construction of the Illinois Charitable Eye and Ear Infirmary, a Psychiatric Institute, and a Surgical (Orthopedic) Institute for Children.

The last General Assembly supplemented the above appropriation by \$1,000,000 to complete and equip the buildings under construction, and \$500,000 for research laboratories and library.

On the 5th day of July, 1919, the State Department of Public Welfare and the State University agreed to a plan of co-operation and differentiation with the following objects in view: to construct and maintain a great group of hospitals and institutes in the medical center of Chicago where laboratories, libraries and medical skill could be readily obtained; to provide medical treatment for the indigent sick of the State; to give young men and women a medical education and training such that they would become active soldiers in the warfare for the prevention as well as the cure of disease; to help practising physicians of the State to keep in touch with the latest and best methods of preventing and curing human ailments; to tell the people of the State through special lectures and bulletins how to keep themselves physically efficient. The object is to determine the cause of sickness and on the basis of this knowledge institute preventive measures.

ADMISSION

For the requirements for admission, see page 69.

ADMISSION OF SPECIAL STUDENTS

The general rule of the University with reference to special students applies to the College of Medicine: Persons over twenty-one years of age, *not candidates for a degree*, may, on approval of the Dean, be admitted to classes for which they are prepared.

ADVANCED STANDING

The University will accept scholarship and time credits for work done in medical colleges having standards equal to those of the College of Medicine of the University of Illinois, in so far as this work coincides with or is the full equivalent of the courses prescribed by the University.

The pre-medical work of the applicant must meet in full the admission requirements for the class which he desires to enter. This will be determined by the evaluation of his credits on the basis of transcripts obtained directly from the schools where they were earned.

The applicant must present a letter of honorable dismissal from, and be eligible for promotion in, the college in which he pursued his medical studies. He must further be able to comply with the requirements for such promotion in the University of Illinois. (See page 196.) Moreover, his record must be of such a character as to give evidence of a high grade of scholarship.

Irregularities due to differences in the curriculums must be satisfactorily adjusted during the first year of the student's attendance.

REGISTRATION

Students are required to register in the office of the Secretary immediately upon the opening of the term for the work of that term, and credit will be allowed only in the branches in which they are registered. Students will be registered in the order in which their fees are paid. Owing to limited space the number of students in each class is limited to one hundred. Students entering the university for the first time will be registered in the order in which their fees are paid.

FEES AND EXPENSES

All fees are payable in advance. The entire matriculation fee and laboratory fee are due and must be paid during the registration days of the first semester, together with one-half

of the general fee. The remainder of the general fee is due and payable on the registration days of the second semester.

Exceptions to this rule will be made only with the approval of the proper administrative officer.

There are no fees for special courses or quizzes. No members of the instructional staff are allowed to accept special fees.

Fees charged special students are based on the amount of work taken.

Alumni are admitted to all regular courses, without charges, except in laboratory work, in which a charge is made for material actually used.

Each student is required to have an individual microscope. Provision has been made whereby the student can purchase a microscope at reduced rates and pay for the same in annual installments. If students be unable to purchase a microscope, the school will rent him one for his exclusive use at the rate of \$2.50 to \$4.00 per term, depending upon the equipment of the instrument.

Living Expenses

The expense of living in Chicago is less than in most other large cities. From forty to fifty dollars a month may be regarded as adequate for the ordinary living expenses of a student exclusive of books, clothing, railroad fare, and miscellaneous needs.

The expense for books varies between \$25.00 and \$50.00 a year. The instructors at the beginning of each course direct their students in regard to the purchase of text-books.

SCHOLARSHIPS AND FELLOWSHIPS

Rea Scholarships

Through the generosity of the late Professor R. L. Rea a fund has been provided for four scholarships each year for worthy students. These scholarships are awarded annually by the officers of the Faculty.

For the season of 1921-22, they were granted to the following students:

JULIUS ADLER	CARL MULFINGER
JOHANNES NIELSON	ABRAHAM ETTLESON
VICTOR NASATIR	JACOB KLEIN
HERMAN PILKA	

For information concerning other scholarships available to students in the College of Medicine, see page 96.

COURSES OFFERED

The student is offered his choice of the following courses:

1. A course of nine years—four years in the College of Liberal Arts and Sciences at Urbana, leading to the degree of Bachelor of Arts, followed by five years in the College of Medicine in Chicago, leading to the degree of Doctor of Medicine. This course of study is recommended to young men who can afford the time for it, and who are of the average age of graduations from the public high schools.

2. An eight-year course—three years in the College of Liberal Arts and Sciences at Urbana, followed by five years in the College of Medicine in Chicago. Students taking this course are permitted, at the end of their first year in the College of Medicine, to transfer credits in the medical sciences to complete the requirements for graduation of the College of Liberal Arts and Sciences, and receive the degree of Bachelor of Arts. On the completion of the remaining four years in the College of Medicine they receive the degree of Doctor of Medicine.

3. A seven-year course—two years in a recognized College of Liberal Arts and Sciences followed by five years in the College of Medicine. The work of the first two years must include certain prescribed subjects. On the completion of the first two years in the College of Medicine, these students receive the degree of Bachelor of Science; and on the completion of the five years in the College of Medicine, they receive the degree of Doctor of Medicine. The two years of work in Arts and Sciences required for admission to the College of Medicine may be taken in the College of Liberal Arts and Sciences at Urbana.

REQUIREMENTS FOR GRADUATION

A candidate for graduation from the College of Medicine of the University of Illinois must meet the following requirements:

1. He must have presented acceptable evidence of good moral character.
2. He must have paid all indebtedness to the college.
3. He must have satisfactorily completed the prescribed curriculum of the College of Medicine, comprising four years, of thirty-four weeks each, and in addition must have satisfactorily completed a hospital course of not less than twelve months' duration in a hospital approved by the University of Illinois. A year of research or graduate work will be accepted in lieu of the hospital year.

In order to be eligible for an internship in an approved hospital in Illinois a candidate must pass the regular examination of the Illinois State Board of Health and receive from the Board a "limited license," authorizing him "to practise medicine or surgery in a hospital approved by the Illinois State Board of Health and in no other place whatsoever in this State, said limited license to remain in force and effect for a period not exceeding eighteen months from date of issue of same." (Schedule of Minimum Requirements for Medical Colleges in good standing with the Illinois State Board of Health as amended January 27, 1917.)

Students admitted to advanced standing from other medical schools will not be given full time credit for any year of less than thirty-two weeks of actual work.

The last year of work of the four-year curriculum must have been taken in the College of Medicine of the University of Illinois.

The diploma for the degree of Doctor of Medicine will be issued upon the presentation of satisfactory evidence that the fifth year has been acceptably completed.

The rules of the Illinois State Board of Health make the following provision for the issuance of the permanent license:

"At the expiration of the limited license and surrender of same, or upon the completion of the twelve-months hospital course and the surrender of the limited license, and upon presentation of satisfactory evidence that the hospital course has been completed within eighteen months subsequent to the date of completion of the fifth year of the medical course, and further that the candidate presents a diploma of graduation by the medical college, school, or institution in which he or she completed the fifth year of the medical course, the State Board of Health may then issue to the holder of said temporary or limited license a regular permanent certificate, without further examination or fee, provided that all other requirements prescribed by the Act regulating the practise of Medicine in the State of Illinois and by the rules of the Illinois State Board of Health relating thereto have been satisfactorily complied with."

GENERAL PLAN OF INSTRUCTION

The course of study extends over five years.

During the first two years the work is, in the main, confined to the sciences fundamental to practise medicine, and the time of the student is largely devoted to laboratory work; during the first year, this consists of work in anatomy, chemistry, embryology, histology, and physiology. During the second year the study of anatomy and physiology is continued, and in addition the student takes up bacteriology, laboratory diagnosis, operative surgery, pathology, materia medica, pharmacology, therapeutics, and hygiene.

During the third and fourth years the time is largely devoted to the various clinical branches, emphasis being given to practical instruction in dispensary and hospital clinics.

The fifth year consists of a twelve months interne service in a hospital approved by the faculty of the college, or a year of research or graduate work.

Students are prohibited from doing work that interferes in any way with the fulfillment of the requirements of the curriculum. Unofficial clinical work may not be substituted for the official clinical requirements of the curriculum.

Electives

The student is required to select from a number of courses offered for this purpose, two hours of work in the third year and six hours of work in the fourth year.

Optional Work

Optional courses supplementary to the required work of the regular curriculum are offered in many departments. Students may be permitted to register for such courses after com-

pleting the work of the first year with the consent of the committee. No credit toward the degree in medicine is allowed for this work.

Examinations

General examinations are held in all subjects at the end of each term during the week set apart for this purpose.

Examinations for the removal of conditions in the work of the first four years are held during the week preceding the opening of the next collegiate year. Only one examination for the removal of a condition in a given subject will be permitted and then only on presentation of evidence of actual additional work done in the subject under satisfactory instruction. Conditions not removed before the beginning of the next school year become failures.

Absences from examinations count as failures unless they occur for satisfactory reasons, in which case the student may be examined subsequently, provided permission for such examination be granted by the Dean of the College of Medicine.

Grades

The passing grade in each subject is 70. A grade from 60 to 70 constitutes a "condition." A grade below 60 constitutes a "failure." A "failure" can be removed only by repetition of the subject in course in an approved institution.

Promotions

Failures to the extent of 100 hours may be carried from the first (Freshman) year into the second (Sophomore) year or from the second (Sophomore) year to the third (Junior) year. No failures of the third (Junior) year may be carried into the fourth (Senior) year. No failures may be carried from the fourth (Senior) year into the fifth (Interne) year.

Failures must be made up in course, and the number of hours of such failures shall be deducted from the total number of hours of the regular work for the period.

Refusal of Further Registration on Account of Poor Scholarship

A student who in any semester receives failures in one-half the total number of hours in his course or the equivalent in conditions, or in failures and conditions combined, shall be refused further registration in the College of Medicine.

NOTE:—One and one-half hours of condition are counted as the equivalent of one hour of failure.

Grades for Degree of Bachelor of Science

No student having grades below 75 in subjects aggregating twenty-five per cent of the work of the first two years will be recommended for the degree of Bachelor of Science.

Reports

Reports on scholarship and attendance are mailed to all students as soon as possible after the end of each term.

DESCRIPTION OF COURSES IN MEDICINE¹

ANATOMY, HISTOLOGY, EMBRYOLOGY

Professor EYCLESYMER; Associate Professors KAMPMEIER, MOODIE; Assistant Professor COOPER; DR. NADEAU, Dr. DUNN, Dr. WHITE, Dr. CRILE, Mr. JONES, Miss MEAKIN, Mr. BOELIO, Mr. MILLER, Miss VOSS, Mr. HAMMER.

General Statement

The laboratories for gross anatomy comprise two dissecting rooms and a number of smaller rooms for embalming, storing, and prosecting. A plastic studio is situated adjacent to the dissecting room and is available for anatomical reconstruction work and the use of models for teaching purposes. The laboratories for histology and embryology, together with the offices and research laboratories are situated on the third and fourth floors of the Medical Building. The equipment includes apparatus for embalming, sectioning, macerating, corroding, and digesting; microtomes, microscopes, paraffin ovens, drawing apparatus, chemicals, glassware, and Grüber stains. A small museum contains special dissections osteological preparations, and models; sets of histological, neurological, and embryological slides; charts, lantern slides, and other teaching accessories. The departmental library contains the standard texts and about two thousand five hundred special monographs. All the English, German, and French anatomical journals are received. The Crerar Library is readily accessible and makes it possible to consult practically the whole literature of anatomy, biology, and zoology.

Required Courses—First Year

22. Embryology.—Ovogenesis and spermatogenesis, maturation, ovulation and its relation to menstruation, fertilization, segmentation, gastrulation, formation and significance of germinal layers; formation of foetal envelopes and placenta; organs, and systems of organs; congenital malformations. Lectures and recitations; 2: laboratory; 2 two-hour periods. *I* (first half).

Associate Professor MOODIE and assistants.

23. Cytology, Histology and Microscopic Anatomy.—Animal cells; modified cells in blood and lymph, epithelial, connective, muscular, and nervous tissues, and their relationships in the body. Lectures and recitations; 3: laboratory; 3 three-hour periods. *I*.

Associate Professor MOODIE and assistants

26. Neurology.—The gross and microscopic anatomy of the brain, spinal cord, and organs of special sense. Lectures and recitations; 2: laboratory; 2 two-hour periods. *I* (second half).

Associate Professor MOODIE and assistants

27-28. Regional and Systematic Anatomy.—Complete dissection of the human body: (1) Superior and inferior extremities, (2) thorax and abdomen, (3) the head and neck. Anatomical structure, functional significance, regional relationship of surgical and clinical importance, and structural variation of the component organs and systems. Lectures, recitations, and laboratory; 3 three-hour periods. *II*.

Associate Professor KAMPMEIER, Assistant Professor COOPER and assistants.

Required Courses—Second Year

31. Topographical Anatomy.—Topography and relations of the various regions, systems, and organs of the body. Lectures and recitations; 2: laboratory; 2 three-hour periods. *I*.

Associate Professor KAMPMEIER and assistants

Applied and Surgical Anatomy.—(See department of surgery.)

¹The Arabic numerals preceding the captions indicate the number of the courses. Courses numbered with the letter X following the numeral, are optional subjects in which 1 hour of work per semester is required in the third year and 3 hours in the fourth year. Unless otherwise specifically stated, the Arabic numerals following the descriptions of courses indicate the number of one-hour periods. The Roman numerals *I* and *II* indicate the number of semesters over which the course extends.

Optional Courses

50. **Microscopical Technic.**—Preparation of objects; injecting blood vessels and lymphatics; maceration, digestion, and corrosion; decalcification, fixation of tissues, embedding, sectioning, staining, and mounting.

Mr. BOELIO

53. **Medical Illustrating.**—Drawing, including perspective; values and their adaptation to the representation of medical subjects; normal and pathological specimens, both gross and microscopic; media adapted for representing certain conditions and structures, and for special methods of reproduction, such as line work, half tone, and lithography.

Mr. JONES

56. **Embryology and Histogenesis.**—The structural changes in the principal tissues and their cellular elements during growth; changes in the structure of cells during senescence.

Professor EYCLESHYMER

59. **Neurology.**—The relation of the nervous system to body growth.

Associate Professor MOODIE

Courses Preparatory to Specialization
(Special Fee)

62. a. The Eye.
 b. The Ear.
 c. Mouth, Nose, and Throat.
 d. The Thorax and Abdomen.
 e. The Genito-Urinary System.
 f. Pelvic Anatomy.
 g. The Extremities, especially the joints and their mechanism.
 h. The Brain and Spinal Cord.

Research.—Physicians who desire to do research and students who have had three years of university training are invited to begin research work in this department. A reading knowledge of French and German is essential.

65-66. **Seminar.**—Critical reviews of recent anatomical literature; preparation of bibliographies and of scientific papers for publication. Presentation and discussion of the results of investigations.

Courses for Graduates

101. **Histogenesis.**—The structural changes in tissues and their elements, which are directly correlated with normal processes, such as growth, activity, rest, fatigue, senility. One unit.

Professor EYCLESHYMER, Associate Professor MOODIE, Associate Professor KAMPMEIER

103. **Individual Research in Embryology and Histogenesis.**—One or two units.

Professor EYCLESHYMER, Associate Professor MOODIE, Associate Professor KAMPMEIER

DERMATOLOGY

Assistant Professor SENEAR, DR. FINK.

Required Courses—Fourth Year

- I. 1. Practice.—Illustrated, 2. I. Assistant Professor SENEAR
 5. Clinic.—College, I, II. Assistant Professor SENEAR
 9-10. Clinic.—College Dispensary. In sections. 3 one-hour periods (three weeks). Assistant Professor SENEAR
 II.

HYGIENE, SOCIAL HYGIENE, CRIMINOLOGY, AND MEDICAL JURISPRUDENCE

Professor ADLER, MR. BROTHERS, MR. MILLS.

Required Course—Third Year

4. **Hygiene and Public Health.**—General etiology, immunity, contagious diseases, epidemiology, and preventive medicine; organization of health departments and the work of divisions of the same; vital statistics, inspection of schools and factories; sanitation; food supply and control; public welfare. Lectures and practical work. $3\frac{1}{2}$ hours per week. I. Professor -----

6. Medical Jurisprudence.—The principles of law governing individual and professional rights and obligations; responsibilities arising from the relation of physician and patient; confidential character and inviolability of such relation; medical laws of the various states. Lectures, *I. I.*
Mr. BROTHERS

LARYNGOLOGY, RHINOLOGY, AND OTOLOGY

Professor PIERCE: Associate Professor BECK; Assistant Professors BOOT, HOLINGER; Dr. GARRAGHAN, Dr. THEOBALD, Dr. YERGER, Dr. SMITH.

Departmental Statement

The fundamentals of diseases of the nose, throat and ear based on anatomy, physiology and pathology of these organs, and the clinical manifestations of their more common diseases furnish the basis of the work in this department. Stress will be laid on the relationship of these special organs to the body as a whole in health and disease. Teaching will be facilitated by laboratory studies by Bezold's large models of the ear, macerated specimens of the nose, throat and ear; by lantern slides and stereoptic demonstrations, as well as by actual examination of individuals in the out patient department and in the hospital.

Required Courses—Third Year

3. Practise.—The surgical anatomy, physiology, and pathology of the ear, nose and throat. *I. I.*

Professor PIERCE and Associate Professor BECK
7. Clinic.—Illinois Eye and Ear Infirmary. Diseases of the Ear, Nose and Throat. In sections; 2. *I. (eight weeks).*

11. Practise.—The diseases of the throat and nose. *I. I.*

17. Clinical Conference.—Cook County Hospital. Training in the use of instruments for the examination of the ear, nose and throat. In sections; *I. (four weeks).*

Assistant Professor BOOT

19-20. Clinic.—College Dispensary. In sections; 3 (*three weeks*). *II.*

Dr. GARRAGHAN, Dr. THEOBALD, Dr. YERGER, Dr. SMITH

MEDICINE

Professor CHARLES SPENCER WILLIAMSON, M.S., M.D.

Division of Internal Medicine

Professors WILLIAMSON, TICE, GOODKIND, ELLIOTT, PATTON; Associate Professors SMITHIES, HEINTZ, LEWISON, WEATHERSON, STRAUSS, MOORE, CHAUVET; Dr. KRASA, Dr. METCALF, Dr. WILSON, Dr. QUIGLEY, Dr. JIRKA, Dr. JACOBSON, Dr. MOSLEY, Dr. ROGERS, Dr. HYSLOP, Dr. WITTELE, Dr. BOWLER.

General Statement

The work in this department begins in the second year and extends through the third and fourth years. In the second year the student begins his work in internal medicine with the study of physical diagnosis, on the normal subject. This is followed by the study of pathological cases. The class is divided into small groups, so that the instruction is individual.

Coincident with the above work, the student takes up the study of laboratory diagnosis. A course in this subject lays the foundation for the practical clinical work in the dispensary, which begins in the third year and is carried through the fourth year.

In the third year instruction is carried on partly by means of conferences and recitations and partly by clinics. This division of work enables the student not only to obtain systematic instruction in the fundamentals of internal medicine, but also to see clinical cases presented, bearing directly on this systematic instruction. At the same time he has opportunity to come into intimate contact with patients, and to examine them in the dispensary under supervision. Stress is laid upon the student's personal examination and treatment of the cases.

In the fourth year instruction is carried on partly by means of conferences with group quizzes on the topics covered. This is a continuation of the work in the third year. A large part of the work, however, is clinical, and is given not only in the College, but in the Cook County, University, St. Luke's, and Augustana Hospitals. In addition, practical work is given in the dispensary in the various medical specialties. Special emphasis is laid upon the clinical work in small groups.

Required Course—Second Year

2a-2b. Physical Diagnosis.—(a) Lectures; 1. I. (b) Practical drill on normal subjects; given to small sections of the class. 1 two-hour period. I.

Associate Professor LEWISON, Associate Professor CHAUVET
Required Courses—Third Year

9. Practise.—General survey of the important diseases as a working basis preparatory for the clinical courses. Conferences and recitations. 4. II.

Associate Professor HEINTZ, Dr. KRASA, Dr. ROGERS, Dr. CIPRIANI, Dr. PROPST,
Dr. SCHICK, Dr. SAWYER

13. Clinic.—University Hospital Amphitheater. Selected topics. 1 two-hour period. I.

15. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. I.

23. Physical Diagnosis Clinics.—Cook County Hospital, tuberculosis wards. To small groups. 1. I.

Associate Professor LEWISON, Associate Professor CHAUVET

27-28. Clinic.—Dispensary. Practical work on out-patients. Practically every variety of disease of an ambulatory nature common to the temperate zone may be seen here. In sections, 3 two-hour periods (*three weeks*). II.

Associate Professor MOORE, Dr. METCALF, Dr. WILSON, Dr. MOSLEY, Dr. JIRKA,
Dr. WITTELLE, Dr. JACOBSON

Required Courses—Fourth Year

31-32. Practise.—Continuation of course of study of previous year; subject elaborated and amplified in conjunction with the clinical work. Lectures illustrated by pathological specimens, charts, and lantern slides; conferences; 4, I; 2, I.

Lectures, Professor WILLIAMSON, Professor TICE
Conferences and recitations, Associate Professor WEATHERSON

35. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. I.

37. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. I.

39. Clinic.—Cook County Hospital Amphitheater. Selected topics. 1 two-hour period. I.

41. Clinic.—St. Luke's Hospital. 1 two-hour period. Professor STRAUSS

47. Clinic.—Augustana Hospital. 1 two-hour period. I. Professor ELLIOTT

49-51. Seminar.—Work in cooperation with the departments of surgery and obstetrics. The student receives 48 hours credit, 16 in each department, although the work is done only in one department. The entire class is divided into three groups, and each of these again into five sub-groups. During the first semester, the groups meet informally, and abstracts are prepared and submitted for criticism. During the second semester, each group is assigned one hour in which to present its work before the entire class.

Professor WILLIAMSON, Professor HESS, Associate Professor MOORE

Optional Courses—Third Year

1-X. Tuberculosis. Associate Professor CHAUVET

2-X. Tuberculosis of the Lymphatic System. Dr. METCALF

Optional Courses—Fourth Year

3-X. Diseases of the Blood. (*eight weeks*) Associate Professor MOORE

4-X. Tuberculosis. (*eight weeks*) Associate Professor MOORE

5-X. Diseases of the Heart. Associate Professor STRAUSS

6-X. Diseases of Pancreas and Intestines. Associate Professor SMITHIES

7-X. Principles of Medicine, Review Course.

Division of Pediatrics

Professor HESS; Associate Professors IRISH, BLATT; Assistant Professor BOWER; Dr. GOLDBERGER, Dr. LEVIN, Dr. CALVIN, Dr. BOROVSKY, Dr. ROSENBLUM, Dr. FURBY, Dr. ROBINSON, Dr. SHERRY, Dr. STRAUSS.

General Statement

The work in pediatrics is given in the third and fourth years. So far as possible, the course is one of individual instruction, the class being divided into small groups for clinical work.

Required Courses—Third Year

1. **Practise and Clinic.**—Nutrition and nutritional disturbances in infancy. Lectures; clinical conferences; 1. *I.* Professor HESS
4. **Practise.**—Recitations. 1. *I.* Assistant Professor IRISH and assistants
7. **Clinic.**—Cook County Hospital. Physical diagnosis and demonstration of cases. In groups; 2 (*four weeks*). *I.* Dr. BOWER
9. **Clinic.**—Cook County Hospital. Contagious diseases. In groups; 2 (*four weeks*). *I.* Associate Professor BLATT

Required Courses—Fourth Year

11. **Clinic.**—Cook County Hospital. Contagious diseases. In groups; 2 (*four weeks*). *I.* Associate Professor IRISH
- 15-16. **Clinic.**—Dispensary. In sections; two-hour periods (*eighteen periods*). *I.* Dispensary Staff
19. **Clinic.**—Cook County Hospital. In groups. One two-hour period. *I.* Professor HESS

Divisions of Neurology and Psychiatry

Professor SINGER; Associate Professors DAVIS, MEYERS, HASSIN; Assistant Professors READ, TRUITT; Dr. HULBERT, Dr. DIAMOND.

3-4. **Practise and Clinic.**—Dispensary, Cook County Hospital and Chicago State Hospital. Lectures, demonstrations, examination and diagnosis; in sections; 6 two-hour periods (*seven and one-half weeks*) *I.*, and *I* two-hour period, *I.*

Professor SINGER, Associate Professor MEYERS, Associate Professor HASSIN, Associate Professor DAVIS, Assistant Professor READ, Assistant Professor TRUITT, Dr. HULBERT, Dr. DIAMOND.

Division of Roentgenology

Assistant Professor HARTUNG.

Required Course—Fourth Year

4. **Practise and Demonstration.**—College. The use of the X-ray in medicine and surgery. To small sections: *I* (*four weeks*).

Division of History of Medicine

BERNARD JOHN CIGRAND, M.S., D.D.S., Lecturer.

Optional Course—Fourth Year

51. Lectures; 1. *I.*

OBSTETRICS AND GYNECOLOGY

Professors BACON, LEWIS; Associate Professors YARROS, ROHRLACK; Dr. HAMMOND, Dr. BARRON-HARRISON, Dr. NACHTIGALL, Dr. CARY, Dr. REICHERT, Dr. OLSON, Dr. CRAWFORD.

General Statement

Instruction is given in both the third and fourth years. The equipment consists of manikins, demonstration pelves, malformed pelves, and other pathological specimens, charts, obstetrical instruments, and prepared fetuses.

The clinical work is given in the University Hospital, the College Dispensary and the Chicago Lying-In Hospital and Dispensary. Bedside and dispensary clinics, in which students examine and study the patients, are given to small groups in the College Dispensary and in the University Hospital. Students are required also to assist in the delivery of twelve parturients. Reports of these cases are kept by students and form the basis of conference discussions. An amphitheater clinic is given to the fourth-year class.

All fourth-year students are required to take a course of two weeks in residence in the Chicago Lying-In Hospital and Dispensary. This Dispensary, located in the heart of a densely populated part of the city, cares for poor women during their confinement at their homes. A physician, a student, and a nurse are sent to care for the patient during her labor. A student and nurse visit her daily for ten days afterward. The fee for the course is \$15.00 payable in advance at the Dispensary.

Required Courses—Third Year

5-6. **Physiology of Pregnancy, Labor, the Puerperium, and the New Born Infant.**—Lectures and recitations; 3. *I.*

Associate Professor YARROS, Dr. HAMMOND, Dr. NEWBERGER, Dr. HEACOCK

9. **Clinic.**—University Hospital. Instruction at bedside and in the passenger. To small groups, 1 two-hour period (*four weeks*).

Professor BACON, Associate Professor ROHLACK, Dr. BARRON-HARRISON

12. **Clinic.**—University Hospital. The class is divided into groups. The work covers attendance upon the delivery of six parturients.

Required Courses—Fourth Year

15-16.—**Pathology of Pregnancy, Labor, and the Puerperium.**—Lectures and recitations; 3. *I.*

(a) Laboratory work in pathological anatomy and histology. To small groups, 1 two-hour period (*eight weeks*).

(b) Manikin work. To small groups; 1 two-hour period, (*eight weeks*).

19. **Clinic.**—Cook County Hospital. To small groups (*four weeks*).

22. **Clinic.**—University Hospital. Demonstrations and operations, 1. *I.*

25. **Clinic.**—University Hospital. To small groups. The work covers attendance upon the delivery of six parturients.

26. **Clinic.**—Chicago Lying-In Hospital and Dispensary. Residence, two weeks; at least six cases.

47-48. **Seminar.**—This work is done in co-operation with the Departments of Medicine and Surgery. For this work the student receives 48 hours credit, 16 in each department, although the work is done only in one department. The class is divided into three groups, and each of these again into five sub-groups. The purpose of this seminar is to give the student a working knowledge of the medical literature, and to acquaint him with the methods of looking up the work which has been done on any special subject. During the first semester the groups will meet informally, but abstracts will be prepared and submitted for criticism, and the student will be graded on the basis of these abstracts. During the second semester each group will be assigned one hour in which to present its work before the entire class.

Professor LEWIS, Associate Professors YARROS and ROHLACK

Optional Courses—Third Year

1-X. Review Course in Obstetrics. 1. *I.* Dr. CRAWFORD

2-X. The Relation of the Endocrine Glands to Gynecological Affections. *I.*
Associate Professor ROHLACK

Optional Courses—Fourth Year

1-X. Oxylocics. I. II.

Professor BACON

2-X. Review Course in Obstetrics. I. I.

Dr. CRAWFORD

Division of Gynecology

Professor BARRETT; Assistant Professors LANG, FISCHMANN; Dr. SCHOENBERG, Dr. STONE, Dr. JUHNKE, Dr. HOFFMAN.

General Statement

The subject of Gynecology is presented in the fourth year in the form of didactic teaching, recitations, quizzes, clinics, conferences and laboratory and class room study of pathology of the pelvic organs.

Required Courses—Fourth Year

3. Practise.—Lectures, recitations, lantern slide demonstrations, exhibition of fresh and preserved pathological tissue and illustrations by means of charts and models. I. II.

Professor BARRETT, Assistant Professor FISCHMANN, Dr. STONE

7. Clinic.—Cook County Hospital. One two-hour period. I. Professor BARRETT
15-16. Clinics.—Dispensary. Students in small groups have opportunity to study cases in detail. Students are required to make examinations, study cases, and write reports. In as far as the students' time permits the dispensary cases will be followed through the operative course. In sections. 3 two-hour periods (*three weeks*). II.

Assistant Professor LANG, Assistant Professor FISCHMANN, Dr. SCHOENBERG, Dr. STONE, Dr. JUHNKE, Dr. HOFFMAN

Optional Course—Fourth Year

1-X. Course on Pelvic Histology and Microscopic Pathology.

Dr. STONE

OPHTHALMOLOGY

Professors BROWN, WOODRUFF, LAWE; Assistant Professor GRADLE; Dr. MONCREIFF, Dr. BOTHMAN, Dr. BEARD.

Required Course—Fourth Year

2-4. Clinic and Practise.—Dispensary, clinic and laboratory course.

In the clinical work emphasis is placed on standard methods of diagnosis. This includes 16 to 20 hours on the normal and pathological anatomy of the eye, 6 to 12 hours' practise in the use of the ophthalmoscope, perimeter, retinoscope, monometer and test charts. The balance of the 48 required, and 16 optional hours are spent in the study of eye cases which the general practitioner most frequently encounters. 3. I.

Professor BROWN, Miss HEATH

PATHOLOGY AND BACTERIOLOGY

Professor DAVIS; Dr. PETERSEN, Dr. NUZUM, Dr. PILOT, Dr. LEVINSON, Dr. H'DOUBLER, Dr. PICKOFF, Mr. LEPAK, Miss MURPHY, Miss PAULSEN.

Required Course—Second Year

11. General Bacteriology and Protozoology.—Pathogenic bacteria and protozoa. Immunity. Lectures; demonstrations; 3. I, laboratory; 2 three-hour periods. I.

Professor DAVIS, Associate Professor PETERSEN and assistants

Required Course—Second Year

18. General Pathology and Pathological Histology.—General pathology; gross and microscopic study of fresh and preserved pathological material. Lectures; recitations; demonstrations; 4. I; laboratory, 4 two-hour periods. I.

Associate Professor PETERSEN, Dr. NUZUM and assistants

Required Courses—Second Year

22. **Clinical Pathology.**—Microscopic, bacteriologic, and chemical examination of blood, urine, sputum, faeces, stomach contents, exudates, etc. 4. *I.*
Dr. PILOT and assistants

Required Courses—Third Year

26. **Special Pathology and Autopsies.**—Gross and microscopic examination of organs, autopsies, post-mortem bacteriology and experimental pathology. Three two-hour periods. *I.*
Professor DAVIS and Associate Professor PETERSEN

Optional Courses

50. **Advanced Work and Research in Bacteriology.**—Limited to properly qualified students.
Professor DAVIS and Associate Professor PETERSEN
51. **Advanced Work in Special Diagnostic Laboratory Methods.**—Limited to a few qualified students.
Associate Professor PETERSEN
55. **Diagnosis of Tumors.**—Open to students who have had courses in general and special pathology. *I.*
Associate Professor PETERSEN

Courses for Graduates

101. **Advanced Pathogenesis.**—Etiology, and pathogenesis of certain diseases; lower animals in the transmission of human diseases. *One unit.*
Professor DAVIS
105. **Individual Research.**—*One or two units.*
Professor DAVIS

PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

Professor MCGUIGAN; Dr. ATKINSON, Dr. COHEN, Dr. ETS, Mr. SNOW, Mr. HEINEKAMP, Mr. SCHLECK.

Required Courses—Second Year

8. **Materia Medica and Pharmacy.**—Prescription writing. Lectures, recitations; 3; *I.* Laboratory and demonstrations; 1 two-hour period; *I.*
Professor MCGUIGAN, Mr. SNOW and assistants.
10. **Pharmacology and Materia Medica**—Pharmacodynamics; chemistry of drugs. Lectures, recitations; 2. *I.* Laboratory; one three-hour period; Toxicology; *I.* Laboratory, 1 three-hour period.
Professor MCGUIGAN, Mr. ATKINSON and assistants
12. **Toxicology.**—Lectures, recitations; 1. *I.* Laboratory, one three-hour period.
Professor MCGUIGAN, Mr. ATKINSON and assistants

Required Course—Third Year

20. **General Therapeutics.**—2. *I.*
Professor MCGUIGAN

Optional Course

Research.—The laboratory is open at all times for those qualified to engage in research work.
Professor MCGUIGAN

Courses for Graduates

101. **Advanced Pharmacodynamics.**—Laboratory work.—*One unit.*
Professor MCGUIGAN
103. **Research Work in Pharmacodynamics.**—*One or two units.*
Professor MCGUIGAN
105. **Advanced Toxicology.**—Laboratory work.—*One or two units.*
Professor MCGUIGAN
109. **Research Work in Toxicology.**—*One or two units.*
Professor MCGUIGAN

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

PROFESSORS DREYER, WELKER; DR. TRACY, DR. CUTTING, DR. BORSACK, DR. STEPHAN, DR. REICHERT, DR. KELLY, MR. ALBRECHT, MR. MARSH, MR. GROOT, MR. BOLLMAN, MR. SAELHOF, MR. LONG, MR. SMITH, MR. HANSEN.

General Statement

The course in physiology is articulated with the other subjects in the curriculum to secure the maximal degree of correlation, and duly emphasizes the laboratory work. The standard equipment, as ordinarily provided for the fundamental experiments of the science, is supplemented by special apparatus for the study of clinical problems relating to circulation, respiration, vision and the nervous system.

The laboratory exercises are selected not only to illustrate and to vitalize the subject-matter of the didactic course, but also to supply valuable technical training and to develop interest in the methods and problems of original investigation. Facilities and equipment are available for those who desire to take advanced work or engage in research.

For the work in chemistry, two laboratories are equipped for routine instruction and one for original work. Additional rooms for the preparation of class work and for metabolism experiments are connected with these laboratories. For the use of advanced students and investigators the nucleus of a chemical library, embracing the principal works of reference, is kept in the laboratory itself; while the main library contains complete files of the more important journals of biochemistry.

Required Course—First Year

20. **Physiology.**—Blood and lymph, muscle and nerve, circulation, and respiration. Lectures and recitations, 3; demonstration and laboratory, 2 two-and-one-half-hour periods. *I.*

21. **Organic Chemistry.**—Chemistry of the carbon compounds with special emphasis on the chemistry of fats, proteins, and carbohydrates. Lectures, demonstrations, conferences, 2; laboratory, 2 three-hour periods. *I.*

24. **Physiological Chemistry.**—Lectures, demonstrations, conferences, 2; laboratory, 2 three-hour periods. *I.*

Prerequisite: Course 21 or its equivalent.

Required Course—Second Year

25. **Physiology.**—Digestion; secretion; metabolism; the special senses; the central nervous system. Lectures, recitations, demonstrations, 5; laboratory, 1 four-hour period. *I.*

Professor DREYER and assistants

Optional Courses

51. **Advanced Laboratory Work.**—Physiological demonstration and research; graphic methods.

53. **Quantitative Urinary Analysis.**—Lecture, one hour a week; laboratory, six hours a week. *I.*

54. **Sanitary Chemistry.**—Water and sewage analysis; purification. Lecture, one hour a week; laboratory, six hours a week. *I.*

59. **Food Analysis.**—Composition, adulteration, preservation. Lecture, one hour a week; laboratory, six hours a week. *I.*

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigations under direction of the members of the staff.

63-64. **Seminar.**—The members of the teaching staff and all advanced workers in the department meet weekly to discuss results of recent researches in physiology and biological chemistry.

Prerequisite for optional courses: In physiology, courses 20 and 25, and in chemistry, courses 21 and 24.

Courses for Graduates

103. **Advanced Biological Chemistry.**—Biochemical methods of research; biological colloids; enzyme action; metabolism. *One or two units.*

Professor WELKER

107. **Biochemical Research.**—*One or two units.*

Professor WELKER

SURGERY

Professor DAVISON.

DIVISION OF GENERAL SURGERY

Professors DAVISON, OCHSNER, HALSTEAD, HARSHA, HUMISTON, PERCY; Associate Professors THOMPSON, MEYER, THOMAS, ROGERS, DYAS; Assistant Professors HARGER, PHIFER, LOUNSBURY, CULVER, McNEALY, DAVENPORT; Dr. BAMBERGER, Dr. NADEAU, Dr. BAKER, Dr. POST, Dr. E. J. FORD, Dr. MEYEROVITZ, Dr. SCHMITT, Dr. HARRIS, Dr. GOTTSCHALK, Dr. SULLIVAN, Dr. CHRISTOPHER, Dr. H. L. FORD, Dr. CARLEY, Dr. COUNSELLOR, Dr. POND, Dr. H'DOUBLER.

Required Courses—Third Year

3-4. **Practise.**—Surgery and surgical pathology. Conferences, recitations. In sections; 2. *II.*

Assistant Professor PHIFER, Dr. POST, Dr. BAMBERGER, Dr. R. C. SULLIVAN.

7-8. **Clinic.**—Dispensary. Diagnosis, bandaging, surgical dressings and appliances. Three two-hour periods (*three weeks*). *II.*

Assistant Professor HARGER, Dr. BAMBERGER, Dr. POST, Dr. HARRIS, Dr. POND.

9. **Clinic.**—Cook County Hospital. *I* two-hour period. *I.*

Assistant Professor McNEALEY

10. **Clinic.**—Cook County Hospital. *I* two-hour period. *I.*

Associate Professor THOMPSON

11. **Clinic.**—Cook County Hospital. *I* two-hour period. *I.*

Associate Professor DYAS

12. **Clinic.**—Cook County Hospital. *I* two-hour period. *I.*

Assistant Professor DAVENPORT

19. **Anesthetics.**—Practical demonstrations to individual students in the administration of anesthetics at Cook County Hospital.

Associate Professor MEYER

Optional Courses—Third Year

1-X. **Anesthetics, Surgical Dressings, and Bandaging.**—Individual instruction and demonstration of the application of surgical dressings. *I. I.*

Dr. BAKER

Assistant Professor McNEALEY

2-X. **Surgical Diagnosis.**—*I. I.*

3-X. **Principles of Surgery.**—A review course. *I. I.*

Associate Professor MEYER, Drs. H. L. FORD and CARLEY

4-X. **Special Fractures.**—Lectures, recitations, conferences. *I. I.*

Assistant Professor DAVENPORT

5-X. **Operative Surgery of the Abdomen on Animals.**—*I. I.*

Dr. GRAHAM, Dr. BRAUDE

6-X. **Preoperative and Postoperative treatment.**—*I. I.*

Dr. NADEAU

Required Courses—Fourth Year

23-24. **Practise.**—Regional surgery. Conferences, recitations. In sections. *I. I.*

Professor HUMISTON, Associate Professor ROGERS, Assistant Professor LOUNSBURY.

29. **Clinic.**—University Hospital. *I* two-hour period. *I.*

Professor DAVISON, Dr. MEYEROVITZ

31. **Clinic.**—St. Mary's Hospital. *I* two-hour period. *I.*

Professor OCHSNER, Professor PERCY, Dr. H'DOUBLER

32. **Clinic.**—Augustana Hospital. *I* two-hour period. *I.*

Professor OCHSNER, Professor PERCY, Dr. H'DOUBLER

33. **Clinic.**—St. Luke's Hospital. *I* two-hour period. *I.*

Professor HALSTEAD, Professor HARSHA.

34. Clinic.—Cook County Hospital. I two-hour period. I.
Associate Professor THOMPSON
35. Clinic.—Cook County Hospital. I two-hour period. I.
Assistant Professor McNEALY
- 36.—Cook County Hospital. I two-hour period. I.
Assistant Professor DAVENPORT
- 37-a. Clinic.—Cook County Hospital. Bedside conference in surgical diagnosis.
Associate Professor MEYER
1. I.
- 37b. Clinic.—Cook County Hospital. *Individual Bedside Instruction in Surgical Diagnosis.* Record writing, symptoms, physical examination, roentgenogram interpretation, laboratory examination of materials from the patients secured in the ward, operating room, or morgue. One two-hour period. I. Professor DAVISON, Dr. GOTTSCHALK
41. Surgical Pathology.—Laboratory. In sections. One two-hour period (*eight weeks*).
Dr. NADEAU
- 43-44. Surgical Seminar.—Work done in cooperation with the departments of medicine and obstetrics. For this work the student receives 48 hours credit, 16 in each department, although the work is done in one department only. The purpose is to give the student a working knowledge of the medical literature, and to acquaint him with the methods of looking up the work which has been done on any special subject. During the first semester, the groups will meet only informally, and abstracts will be prepared and submitted for criticism. During the second semester, each group will be assigned one hour in which to present its work before the entire class.
Assistant Professor HARGER and Dr. COUNSELLOR

Optional Courses—Fourth Year

Advanced Work in Special Subjects

- 6-X. Surgery of the Abdomen.—Lectures, conferences, recitations. I. I.
Associate Professor THOMPSON
- 7-X. Surgical Tuberculosis.—Lectures, conferences, recitations. I. I.
Associate Professor THOMAS
- 8-X. Regional Surgery.—A review course. I. I.
Associate Professor MEYERS, Drs. H. L. FORD, CARLEY
- 9-X. Surgery of the Brain and Spinal Cord.—Lectures, conferences, recitations.
Associate Professor C. C. ROGERS
1. I.
- 10-X. Surgery of the Thorax.—Lectures, conferences, recitations. I. I.
Dr. E. J. FORD
- 11-X. Surgical Diseases of the Kidneys.—I. I. Assistant Professor CULVER

DIVISION OF ORTHOPEDIC SURGERY

Associate Professor THOMAS; Dr. SPRAGUE, Dr. HOBART, Dr. SULLIVAN, Dr. CRILE, Dr. MURPHY, Dr. FISCHER.

Required Courses—Third Year

3. Practise.—Conferences, recitations. In sections. I. I.
Assistant Professor THOMAS, Dr. SPRAGUE, Dr. HOBART, Dr. T. J. SULLIVAN, Dr. CRILE, Dr. MURPHY.
7. Clinic.—St. Luke's Hospital. I. two-hour period. I. Associate Professor THOMAS
8. Clinic.—St. Mary's Hospital. In sections; three two-hour periods (*three weeks*).
Dr. CRILE
- II. 9. Clinic.—University Hospital. In sections; three two-hour periods (*three weeks*).
Dr. SPRAGUE
- II. 15-16. Clinic.—Dispensary. In sections; three two-hour periods (*three weeks*). II.
Associate Professor THOMAS, Dr. HOBART, Dr. T. J. SULLIVAN, Dr. SPRAGUE, Dr. FISCHER

DIVISION OF GENITO-URINARY SURGERY

Associate Professor McKENNA; Assistant Professor CULVER; Dr. SMEJKAL, Dr. HERROLD, Dr. O'CONNOR, Dr. GERON.

Required Courses—Third Year

3. Practise.—Conferences, recitations. In sections. I. I.
Associate Professor McKENNA and Assistant Professor CULVER, Dr. HERROLD, Dr. O'CONNOR

7-8. Clinic.—Dispensary. In sections. Three two-hour periods (*three weeks*). *II.*
Associate Professor MCKENNA, Dr. SMEJKAL, Dr. HERROLD, Dr. O'CONNOR, Dr. GERNOX

Required Courses—Fourth Year

11. Clinic.—Cook County Hospital. Individual instruction in the diagnosis of genito-urinary diseases, including cystoscopy, catheterization of the ureters, interpretation of roentgenograms and of chemical and microscopic urinalyses. In sections; 2 two-hour periods (*three weeks*). Assistant Professor CULVER

14. Clinic.—St. Joseph's Hospital. In sections; 1 two-hour period. *I.* (*Four weeks*). Associate Professor MCKENNA

DIVISION OF OPERATIVE SURGERY

Assistant Professor LOUNSBURY; Dr. GRAHAM, Dr. METZ, Dr. CANTWELL, Dr. BROWNING, Dr. BRAUDE, Mr. KORDENAT

Required Courses—Second Year

3. Operative Surgery.—Regional surgical anatomy. Individual operations on the cadaver and on animals. In small sections; two two-hour periods. *I.*

Assistant Professor LOUNSBURY, Dr. METZ, Dr. CANTWELL, Dr. BROWNING

SUMMARY OF HOURS

First Year

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Gross.....	32	112	32	112	288
Microscopic.....	32	160	32	64	288
CHEMISTRY:					
Organic.....	32	96	..	..	128
Physiological.....	..	..	32	96	128
PHYSIOLOGY:					
.....	..	..	48	96	144
.....	96	368	144	368	976

Second Year

Subjects	First Semester		Second Semester		Total
	Didactic	Laboratory	Didactic	Laboratory	
ANATOMY:					
Topographical.....	32	96	..	..	128
Bacteriology.....	48	96	..	..	144
Clinical Pathology.....	..	..	..	64	64
Pharmacology.....					
Prescription Writing and Pharmacy.....	48	64	48	64	224
Pathology.....	32	96	16	48	192
Physical Diagnosis.....	..	..	16	32	48
Physiology.....	32	96	..	..	128
Surgery (Operative).....	..	..	..	32	32
	192	442	112	240	960

SUMMARY OF HOURS—Continued

Third Year

Subjects	First Semester			Second Semester			Total
	Didactic	Clinical and Laboratory	Dispensary	Didactic	Clinical and Laboratory	Dispensary	
Autopsies.....	..	..	..	..	32	..	32
Hygiene.....	..	..	..	32	24	..	56
Oto-Laryngology....	16	26	9	..	..	9	60
Internal Medicine... Medical	64	40	18	64	40	18	244
Jurisprudence.....	..	..	..	16	..	..	16
Pathology.....	..	..	..	..	64	..	64
Pediatrics.....	16	..	..	16	16	..	48
Pharmacology and Therapeutics.....	32	..	..	..	..	..	32
Obstetrics.....	32	..	..	32	20	..	84
General Surgery....	32	32	18	32	36	18	168
Orthopedic Surgery..	16	16	18	..	16	18	84
Genito-Urinary Surgery.....	16	..	18	..	..	18	52
	204	114	81	198	252	81	930

Fourth Year

Subjects	First Semester			Second Semester			Total
	Didactic	Clinical and Laboratory	Dispensary	Didactic	Clinical and Laboratory	Dispensary	
Dermatology.....	32	16	9	..	..	9	66
Genito-Urinary Surgery.....	..	4	..	..	16	..	20
Gynecology.....	32	32	9	..	20	9	102
Medicine.....	96	50	..	48	66	..	260
Neurology.....	16	16	18	16	16	18	100
Obstetrics.....	48	30	..	..	34	..	112
Ophthalmology.....	12	16	18	..	..	18	64
Pediatrics.....	..	32	18	..	12	18	80
Psychiatry.....	..	..	..	16	8	..	24
Roentgenology.....	..	..	..	..	4	..	4
General Surgery....	32	72	..	32	88	..	224
Surgical Pathology..	..	..	..	..	16	..	16
	268	268	72	112	280	72	1072

First year.....	976
Second year.....	960
Third year.....	930
Fourth year.....	1072
Total.....	3938

THE COLLEGE OF DENTISTRY

(For the *faculty* of the College of Dentistry, see page 34, for a description of the *building*, see page 54; for *fees*, see page 103; for *scholarships*, see page 96.)

LOCATION

The College of Dentistry of the University of Illinois is located in what is known as "the clinical center of Chicago." It is at Harrison and Honore streets, directly opposite the Cook County Hospital. Adjoining it on the north is the University of Illinois College of Medicine, and on the west the West Side Hospital. Within a radius of a few blocks are a majority of the great metropolitan hospitals and professional colleges and schools. It is about a fifteen minutes' ride from the Union Loop, or down-town district, by either the Garfield Park branch of the Metropolitan elevated line, or the Harrison Street surface cars.

INFIRMARY

A large part of the senior course is devoted to practical dentistry, and for this purpose an infirmary is provided, which occupies the entire top floor of the main building. There are always more applicants for dental service than can be accommodated. The Infirmary is supplied with modern accessories, and there are windows on three sides, as well as skylights overhead, so that all work may be done by daylight. Adjoining the Infirmary are the superintendent's office, and the therapeutic laboratory. All sterilization and preparation for therapeutic and root canal work is supervised by a registered nurse.

LIBRARY

The general library of the University of Illinois in Chicago is in the Medical building, which adjoins the College of Dentistry. In this library there are over 23,575 volumes, including a comprehensive collection of works on dental and allied subjects. All of the standard dental journals are kept on file, and there is a representative collection of works in literature, standard and modern, for the exclusive use of English classes in the College of Dentistry. The library, in charge of a librarian and assistant, is open from 9 a. m. to 5 p. m., and room is provided for students desirous of employing their study periods in the library.

ADMISSION TO ADVANCED STANDING

Students who can comply with the requirements for admission to the University of Illinois, and who have studied dentistry in any college accredited to the University of Illinois for not less than one year, may be admitted to advanced standing. Such students, however, will be required to comply with all the conditions of the curriculum of the College of Dentistry.

Graduates of colleges of medicine accredited to the University of Illinois may be admitted to the College of Dentistry and given credit for one year in time and for all satisfactorily completed courses which are required by the College of Dentistry.

Students holding credits other than those listed above should communicate with the Dean for further information.

LENGTH OF CURRICULUM

The regular session of 1922-23 will begin September 25, 1922, at 8 a. m., and will end June 6, 1923. The curriculum covers four years of college work.

REQUIREMENTS FOR GRADUATION

The requirements for the degree of Doctor of Dental Surgery are as follows:

1. Completion of the work of the curriculum with a grade of 75% or more in at least 75% of the subjects of the entire course.
2. Attainment of the age of twenty-one years.
3. Certification of good moral character.
4. Settlement of all obligations to the University.

GRADUATION WITH THESIS

Students may become candidates for thesis honors through meritorious work. "Graduation with Thesis" is awarded on the presentation of a satisfactory scientific essay.

HONORARY RESEARCH ASSISTANTS

Students may, during the last year of their course, be permitted to pursue advanced work in a department, provided, first, that they have shown special aptitude along this line; and, second, that their previous work has been of a sufficiently high grade. If at the end of the last year's work the student's application and attainment are regarded as of a sufficiently high character, an honorary research assistantship may be awarded.

LICENSE TO PRACTISE IN ENGLAND

On the recommendation of the Board of Examiners in Dental Surgery, the Council of the Royal College of Surgeons, in London, has added the College of Dentistry of the University of Illinois to the list of dental schools recognized by the College. This recognition implies that the Royal College of Surgeons will exempt graduates in dental surgery of the University of Illinois from the Preliminary Science Examination for the License in Dental Surgery, and will accept such parts of the curriculum for the License as are completed in the College of Dentistry of the University of Illinois toward the curriculum of studies required for a license.

COURSES OFFERED

1. **A Five-Year Course.**—One year in a recognized college of Liberal Arts and Sciences followed by four years in the College of Dentistry. The work of the first year must include certain prescribed subjects. On the completion of the fourth year in the College of Dentistry the Degree of Doctor of Dental Surgery is conferred.

2. **A Six-Year Course.**—Two years in a recognized college of Liberal Arts and Sciences followed by four years in the College of Dentistry. The work of the two years in the College of Arts and Sciences must include certain prescribed subjects and must have been preceded by 15 units acquired in an accredited high school. Upon the completion of the two years in the College of Dentistry students will receive the degree of Bachelor of Science; and on the completion of the fourth year in the College of Dentistry they will receive the degree of Doctor of Dental Surgery.

REQUIREMENTS FOR SIX-YEAR COURSE

1. High School Requirements.—

English.....	3 units ¹
Algebra.....	1 unit
Plane geometry.....	1 unit
Physics with laboratory work.....	1 unit
Electives.....	9 units

2. **College Requirement.**—Two years in a recognized college or university with a minimum of sixty semester hours, distributed as follows:

Chemistry.....	12 semester hours ²
Physics.....	6 semester hours
Biology.....	8 semester hours
English.....	6 semester hours
German, French, Spanish or Italian.....	6 semester hours
Electives (not including chemistry, physics or biology).....	6 semester hours
Free electives.....	16 semester hours

¹See page 62.

²By a semester hour of college credit is meant the work of a class meeting once a week for a semester of 18 weeks. Sixty semester hours represent ordinarily two years of college work.

GENERAL DESCRIPTION OF COURSES¹

RHETORIC

Assistant Professor O'HARA.

Required Course—First Year

1-2. Advanced English.—Short themes; preparation of papers on scientific subjects; public speaking; general reading; principles of ethics. 3, *I, II*.

Assistant Professor O'HARA

Correlative Courses.—Work in composition and rhetoric conducted by individual consultations and occasional meetings with advanced classes, the written work in other departments forming the chief basis of discussion.

Assistant Professor O'HARA

TECHNICAL DRAWING

Required Course—First Year

Mr. KERRICK.

1. Technical Drawing.—Theoretical and practical graphics, the reading and making of working plans. Projections, sketching, lettering, conventions, renderings and translations. 2 two-and-a-half-hour periods. *I*.

Mr. KERRICK

ANATOMY, HISTOLOGY, EMBRYOLOGY, ZOOLOGY

Professors EYLESHYMER, THOMAS; Associate Professor KAMPMEIER; Assistant Professor COOPER; Dr. NADEAU, Dr. UMBACH, Miss SCHWAB.

The laboratories for gross anatomy comprise two dissecting rooms and a number of smaller rooms for embalming, storing, and prosecting. A plastic studio is available for anatomical reconstruction work and the use of models for teaching purposes. The laboratories for histology and embryology, together with the offices and research laboratories, are located in the Medical building.

Required Courses—First Year

3. General Zoology.²—Animal biology, principles of structure, function, interrelations; origin and development of animal life; generalization in zoological theory. Lectures and quizzes. 2. *I*.

Dr. COOPER

4. Vertebrate Zoology and Comparative Anatomy.—Classification of the chordata; anatomy of systems of organs considered in respect to their function, ontogeny, and evolution in the vertebrate series; anatomical studies (dissection) of types of the chordata, with special emphasis on mammalian splanchnology. Lectures, 2, *II*; laboratory, 2 two-hour periods, *I, II*.

Dr. COOPER and assistants

7-8. Microscopy and Histology.—Examination of familiar objects; preparation and mounting of tissues. Cell structure, the elementary tissues; histology of organs of circulatory, respiratory, genito-urinary and nervous systems; skin and appendages. Microscopy one two-hour laboratory period. *I*. Histology, lecture or quiz 2; 2 three-hour laboratory periods. *II*.

Professor THOMAS and assistants

¹The course numbers are indicated by Arabic numerals preceding the captions. Unless otherwise specifically stated, the Arabic numerals following the description of courses indicate the number of one-hour periods a week in each subject. The first and second semesters are indicated by the Roman numerals *I* and *II*, respectively.

²Zoology 3 not required of students admitted with Biology.

Required Courses—Second Year

10-11. Systematic Anatomy.—Complete dissection of the body. Lectures, demonstrations, recitations, and seminar, 2; laboratory, 2 three-hour periods. *I, II.*

Dr. NADEAU and assistants

15. Dental Histology and Embryology.—The embryology of the teeth, mouth and jaws. The tissues of the teeth, the supporting tissues, and tissues of the oral cavity. Lecture or quiz, 1; laboratory, 2 two-and-a-half-hour periods.

Professor THOMAS and assistants

Required Course—Third Year

17. Topographical Anatomy and Neurology of the Head and Neck.—Review of anatomical structures, functional significance, regional relationships of surgical and clinical importance and structural variations. Lectures and recitations, 1 two-hour period. *II.*

Prerequisite: 3, 4, 10-11.

Dr. NADEAU and assistants

CHEMISTRY AND METALLURGY

Professor WELKER; Dr. ALBRECHT, Mr. TRACY, Mr. BOLLMAN, Mr. SÆLHOF, Mr. FRUCH, Mr. MARSH, Mr. KRAUS, Mr. SMITH.

The instruction in chemistry is given in the laboratories in the Medical building.

Required Courses—First Year

5. Physical Chemistry.—Elementary course. Lectures and recitations, 3; laboratory, 2 three-hour periods. *I.*

Professor WELKER and assistants

6. Qualitative Analysis.—The important metals and acids. Lecture or recitation, 1; laboratory, 2 two-and-a-half-hour periods. *II.*

Mr. BOLLMAN and assistants

Required Courses—Second Year

9. Organic Chemistry.—The fundamentals, from a biological standpoint; fats, proteins, and carbohydrates. Lectures, demonstrations, and conferences, 2; laboratory, 2 three-hour periods. *I.*

Mr. TRACY and assistants

12. Physiological Chemistry.—Lectures, demonstrations, and conferences, 2; laboratory, 2 two-and-a-half-hour periods. *II. Prerequisites:* Courses Nos. 3, 6 and 9 or their equivalents.

Mr. TRACY and assistants

Required Course—Third Year

15. Metallurgy.—Extraction and refining of metals used in dentistry. Physical properties. Analysis of ores, alloys, solders, and cements; refining of gold, silver, and tin. Preparation of alloys and solders. Lecture or recitation, 2; laboratory, 1 four-hour period. *I. Prerequisites:* Courses 3 and 6 or their equivalents.

Professor WELKER and assistants

Optional Course

51. Metallurgy.—An advanced course, open to students who have completed satisfactory courses in inorganic chemistry, qualitative analysis, and metallurgy. Hours to be arranged.

Professor WELKER

Research.—The laboratories are open to persons with the requisite scientific training for the conduct of original investigation under the direction of a member of the staff.

PATHOLOGY AND BACTERIOLOGY

Professor DAVIS; Assistant Professor PETERSEN; Dr. NUZUM, Dr. LEVINSON, Dr. PILOT, Dr. H'DOUBLER.

The laboratories of pathology occupy rooms in the Medical building. In the main laboratory are several hundred specimens which are used for teaching purposes and demonstration.

The laboratories of bacteriology are located in the Medical building.

Opportunity is offered to those desiring more advanced work in pathology and bacteriology and to those interested in research.

Required Course—Second Year

4. General Bacteriology.—Sterilization; disinfection; preparation of culture media; general morphologic and cultural characteristics of bacteria; isolation, cultivation and identification of pathogens; relation of bacteria to disease; immunity; vaccines; application of principles of bacteriology to problems of hygiene. Animal experiments are used where appropriate. Lectures, recitations and demonstrations, 3; laboratory work, 2 two-and-a-half-hour periods. *II.* Dr. JONES and assistants

Required Course—Third Year

7. General Pathology.—Circulatory disturbances, retrogressive and progressive changes, inflammation, tumors, and the special pathology of the important organs of the body. Studied gross specimens, both fresh and preserved. Attendance upon autopsies is required in the second half of the semester. Lectures, recitations, and demonstrations, 4; laboratory, 2 two-and-a-half-hour periods. *I.* Dr. PETERSEN and assistants

Optional Course

55. Advanced Laboratory and Research Work.—Open to a limited number of qualified students. Hours to be arranged. Dr. MOORE

PHYSIOLOGY

Professor DREYER; Dr. CUTTING, Mr. GROOT, Mr. BORSACK, Dr. KELLY.

The work in this department has been adapted to the requirements of higher dental education as regards length of course, emphasis on particular topics, and correlation to other fundamentals. While the dental classes meet independently of the medical classes, the same department ministers to both groups of students with the resulting advantage of increased facilities in the way of laboratory equipment and teaching staff.

Required Course—Third Year

3-4. Human Physiology.—Lectures, recitations, and demonstrations, 4. *I, II.* Laboratory work and demonstrations. *I* three-hour period. *I, II.* Professor DREYER, Dr. SAUNDERS and Dr. KELLY

OPERATIVE DENTISTRY

Professor GALLIE; Associate Professor NYLANDER; Assistant Professor WILLIAMS; Dr. KREJCI, Dr. GORMAN, Dr. LE GRAND, Dr. CONDIT, Dr. MUNRO, Dr. BRINKMAN, Dr. RYAN.

Required Course—First Year

3. Dental Anatomy.—Nomenclature of tooth forms, occlusion, and articulation. Carving of teeth in plaster. Lecture or recitation, 2; laboratory, 2 three-hour periods. *I.* Dr. WILLIAMS

Required Course—Second Year

11. Dental Anatomy.—Carving of tooth forms in bone and ivory, dissection of teeth; drawings; instrument making and use; cavity preparation in ivory forms. Lecture, 2; laboratory, 2 two-and-a-half-hour periods. *I. Prerequisites:* 3. Dr. WILLIAMS

12. Operative Technics.—Cavity nomenclature and preparation, instrumentation; filling materials and their manipulation; chair positions; use of wedges, clamps, and separators. Lecture, 1; laboratory, 2 three-hour periods. *II. Prerequisites:* 3. Dr. NYLANDER

Required Courses—Third Year

15. Operative Technics.—Continuation of Course 12. Root canals. Lecture, 1. *I;* laboratory, 2 two-and-a-half-hour periods. *I.* Professor GALLIE and Dr. WILLIAMS

Required Courses—Fourth Year

21-22. Operative Dentistry.—Review of technical procedures, principles, and practise.

Management of patients, special cases, children's teeth. Erosion, hypoplasia, and abrasion. Office equipment and management. Lecture or recitation, 1. *I.*

Professor GALLIE

PROSTHETIC DENTISTRY

Professor DITTMAR; Associate Professor STARR; Assistant Professors UPP, KUBACKI, SHOLES; Dr. TYLMAN, Dr. LA DUE, Dr. KELLOGG, Dr. BLAINE.

Required Course—First Year

2. Prosthetic Technics.—Terminology; impression materials and impressions; vulcanite and vulcanization; construction of partial and full vulcanite dentures; soldering; band and wire clasp construction. Lecture or quiz, 1; laboratory, 2 four-hour periods. *II.*
Dr. UPP and Dr. BLAINE

Required Course—Second Year

5-6. Prosthetic Technics.—Swaged and cast dentures; tenso-friction appliances; crown and bridge construction. Lecture and quiz, 1; laboratory, 2 three-and-a-half-hour periods. *I, II.*
Dr. STARR, Dr. KUBACKI and assistants
Prerequisites: Dental Anatomy, *II*; Prosthetic Technics, 2.

Required Courses—Third Year

9-10. Prosthetic Technics.—The human dental mechanism; philosophy of mastication; Gysi and Hall theories of occlusion and articulation; crown and bridge construction; porcelain technic; splints and obturators. Lecture and quiz, 1; laboratory, 2 three-hour periods. *I, II.*
Professor DITTMAR, Dr. SHOLES, Dr. TYLMAN and Dr. KUBACKI
Prerequisites: 5-6.

Required Courses—Fourth Year

17-18. Prosthetic Technics.—Advanced work on full and partial plate denture construction, removable bridge and porcelain restorations. Lectures, 1, *I, II.* *Prerequisites:* 9-10.
Professor DITTMAR and assistants

19. Prosthetic Technics.—Full upper and lower denture articulated and ground to occlusion, removable bridge, casting and porcelain technic. Lecture, 1. *I, II.*
Professor DITTMAR and assistants

PHARMACOLOGY, MATERIA MEDICA, AND THERAPEUTICS

Professors COOLIDGE, MCGUIGAN; Associate Professor BLAYNEY; Dr. COE, Miss MILLER

Required Courses—Third Year

3-4. Materia Medica and Therapeutics.—Prescription writing, drugs and their therapeutics, classifications; actions of drugs with special emphasis on anesthetics and stimulants. Lectures, 1. *I, II.*
Professor COOLIDGE, Dr. BLAYNEY

5. Pharmaco-Dynamics.—Demonstrations and laboratory exercises showing the action of important drugs. Demonstrations will be made on mammals. Laboratory course. 1 two-hour period, *II.*
Professor MCGUIGAN and assistants

6. General and Oral Hygiene.—Hygiene of ventilation, communicable diseases, waste disposal and sanitation. Hygiene of the nervous system, diet and nutrition, rest and recreation. Mouth hygiene and oral prophylaxis. Lectures, 1. *I.*
Professor COOLIDGE and assistants

Required Courses—Fourth Year

11-12. Therapeutics.—Pathological conditions of the pericemental membrane and dental pulp. Prophylaxis. A thesis on oral hygiene required. Lectures and recitations, 2. *I, II.*
Professor COOLIDGE, Dr. BLAYNEY

ORAL SURGERY AND ORAL PATHOLOGY

Professors MOOREHEAD, SCHULTZ; Assistant Professors BERNARD, DEWEY; Dr. FONDA, Dr. STUART, Dr. HEIN, Dr. LERCHE, Miss FRAIN, Miss HANNAN, Miss JUNGJOHANN.

The courses in oral surgery are designed to prepare the student to interpret the lesions which fall within the limits of the practise of oral surgery. While major operations are performed in the clinic, special emphasis is laid upon the diagnosis and treatment of lesions which properly come within the limits of the general practise of dentistry.

Required Courses—Third Year

1-2. Principles of Surgery.—Lecture and conference course. Lecture or conference, Professor SCHULTZ

5-6. Oral Pathology.—Pathological changes in oral cavity and their relation to general disease processes; study of neoplasms of mouth and jaws; special pathology of dental pulp, pericemental membrane, and alveolar process. Lectures, recitations, demonstrations, I; laboratory work, I three-hour period, II.

Professor MOOREHEAD, Professor SCHULTZ, Dr. DEWEY and assistants

Required Courses—Fourth Year

11-12. Oral Surgery.—General and special surgery, including etiology, diagnosis, treatment of surgical lesions, local and general anesthetics. Lectures, I, II.

Professor MOOREHEAD or Professor SCHULTZ

15-16. Oral Surgery Clinic.—General case discussions and diagnosis, students participating by assignment. Demonstrations of surgical technic, local and general anesthetics. 2 three-hour periods. I, II.

Professor MOOREHEAD, Professor SCHULTZ and assistants

19-20. Extracting Clinic.—The selection and application of forceps and elevators; demonstration of the use of nitrous oxid and oxygen; demonstration of novocain, illustrating conduction and infiltration methods; asepsis; after treatment of cases. 6 three-hour periods. I, II (one and a half weeks).

Assistant Professor BERNARD and assistant

ORTHODONTIA

Professor NOYES; Assistant Professor SIPPY; Dr. NEWELL.

Required Courses—Fourth Year

3-4. Orthodontia.—Fundamental principles; normal occlusion, development of the normal denture, relation of the denture to the features, forces governing occlusion; classification, etiology, and treatment of mal-occlusions. Lecture, I, II. Professor NOYES

7-8. Practical Orthodontia.—Demonstration and technic. I. a. Impression taking and plaster model work. b. Soldering technic. II. Band construction, anchor band adaptation. Expansion arch. Construction of retaining appliance. 2. I, II.

Dr. SIPPY

ROENTGENOLOGY

Miss ANNA REGINALDA BOLAN, Miss EDA DEE NEFF.

Required Course—Third Year, II Semester and Fourth Year

3. Roentgenology.—Roentgenograms, technic, and interpretation. Lectures, I, II. Laboratory to small groups, 8 two-hour periods. I or II. Miss BOLAN and assistants

INFIRMARY

Director NYLANDER; Professors GALLIE, DITTMAR, COOLIDGE, NOYES; Assistant Professors WILLIAMS, UPP, BLAYNEY, SIPPY, KUBACKI; Dr. KREJCI, Dr. SHOLES, Dr. GORMAN, Dr. CONDIT, Dr. TYLMAN, Miss MILLER, Miss JERNQUIST.

OPERATIVE DENTISTRY

Third Year

18. **Clinical Practise.**—Cavity preparation; cement, amalgam, and gold restoration. Conferences and demonstrations to groups. By members of the staff
Prerequisite: 15. II.

Fourth Year

24-26. **Clinical Practise.**—Examination and diagnosis; erosion, hypoplasia abrasions; management of children's teeth gold; and porcelain inlays. Conferences and demonstrations to groups. By members of the staff
Prerequisite: 18. I, II.

PROSTHETIC DENTISTRY

Third Year

12. **Clinical Practise.**—Diagnosis for prosthetic procedures; impression materials; mpresion taking, construction of partial and full dentures; crown and bridge restorations. Conferences and demonstrations to groups. By members of the staff
Prerequisites: 9-10. II.

Fourth Year

23-24. **Clinical Practise.**—Diagnosis for prosthetic restoration continued; removable bridge work; advanced partial and full denture construction; vela and obturators; porcelain crowns. Conferences and demonstrations to groups. By members of the staff
Prerequisite: 14. I, II.

THERAPEUTICS

Third Year

13. **Clinical Practise.**—Oral prophylaxis, technic of cleaning, enlarging and filling root canals; general management of root canals. Conferences and demonstrations to groups. II. By members of the staff

Fourth Year

14. **Clinical Practise.**—Oral examinations and diagnosis; interpretation of radio-grams; root canal and pericemental treatments; keeping of records. Conferences and demonstrations to groups. By members of the staff
Prerequisite: 13. I, II.

ORTHODONTIA

9. **Clinical Practise.**—Students are divided into small groups. Each group is assigned to one orthodontic clinic case in which treatment is beginning and one case in which treatment has been in progress for some time. Students are required to be familiar with these cases and to attend all clinics assigned. By members of the staff

A total of 256 hours are given to the third year Clinical Practise.

A total of 1,024 hours are given to the fourth year Clinical Practise.

DENTAL JURISPRUDENCE

Mr. BROTHERS.

Required Course—Fourth Year

3. **Dental Jurisprudence.**—Individual and professional rights and obligations; responsibilities arising from the relation of dentist and patient and their enforcement in court; confidential character and inviolability of such relation; dental laws of the various states. Lectures, I. I. Mr. BROTHERS

BUSINESS PRACTISE

Required Course—Fourth Year

Mr. STANDISH.

4. **Business Practise.**—Lectures and conferences on efficient office management, including cost accounting, bookkeeping, and collections; stocks, bonds, and other investments; insurance; contracts; salesmanship.

Mr. STANDISH

SUMMER COURSES

Ten-week summer courses are given for students desiring to advance their work or lighten the curriculum of the ensuing year. The courses are open to students of other schools who wish to benefit by the subjects given. The cost per term is twenty-five dollars. The following courses are offered:

- Dental Anatomy, 3, 11.
- Operative Dentistry, 12, 15-16.
- Prosthetic Dentistry, 2, 5-6, 9-10.
- Infirmary Practise Courses:
 - Operative Dentistry, 18.
 - Prosthetic Dentistry, 12.
 - Therapeutics, 13.

COURSES FOR PRACTITIONERS

Courses will be arranged for an individual or group of individuals. Application for such courses should be made to the Dean.

SUMMARY OF THE CURRICULUM

First Year

Departments	Hours				
	Didactic		Laboratory and Clinical		Total
	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.	
Zoology.....	32	32	64	64	192
Chemistry (Physical)	48	..	96	..	144
Chemistry (Qualitative Analysis).....	..	16	..	80	96
Rhetoric.....	48	48	..	..	96
Dental Anatomy.....	32	..	96	..	128
Prosthetic Dentistry.....	..	16	..	128	144
Microscopy and General Histology ¹.....	..	32	32	96	160
Technical Drawing.....	..	..	80	..	80
	160	144	368	368	1040

Second Year

Departments	Hours				
	Didactic		Laboratory and Clinical		Total
	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.	
Anatomy.....	32	32	96	96	256
Bacteriology.....	..	48	..	80	128
Chemistry (Organic).....	32	..	96	..	128
Chemistry (Physiological).....	..	32	..	80	112
General Histology ¹	32	..	96	..	128
Dental Histology and Embryology.....	..	16	..	80	96
Dental Anatomy.....	32	..	80	..	112
Operative Dentistry.....	..	16	..	96	112
Prosthetic Dentistry.....	16	16	96	96	224
	144	160	464	528	1296

¹General Histology for the two classes for current year due only to rearrangement of curriculum.

SUMMARY OF THE CURRICULUM—Continued

Third Year

Departments	Didactic		Hours Laboratory and Clinical		Total
	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.	
General Pathology.....	64	..	80	..	144
Metallurgy.....	32	..	64	..	96
Pharmaco-Dynamics.....	..	..	..	32	32
Materia Medica and Therapeutics.....	16	16	..	..	32
General and Oral Hygiene.....	16	..	..	..	16
Operative Dentistry.....	16	..	80	80	176
Prosthetic Dentistry.....	16	16	96	96	224
Anatomy.....	32	..	..	..	32
General Clinics (Infirmary Practise).....	..	..	..	256	256
Physiology.....	64	64	48	48	224
Principles of Surgery.....	16	..	..	..	16
Oral Pathology.....	..	16	..	48	64
	272	112	368	560	1312

Fourth Year

Departments	Didactic		Hours Laboratory and Clinical		Total
	1st Sem.	2nd Sem.	1st Sem.	2nd Sem.	
General Clinics (Infirmary Practise).....	..	..	480	480	960
Operative Dentistry.....	16	..	..	..	16
Orthodontia.....	16	16	32	32	96
Prosthetic Dentistry.....	16	16	16	..	48
Röntgenology.....	16	..	16	..	32
Therapeutics.....	32	32	..	..	64
Oral Surgery.....	16	16	96	96	224
Jurisprudence.....	16	..	..	..	16
Business Practise.....	..	16	..	..	16
	128	96	640	608	1472

THE SCHOOL OF PHARMACY

For the *faculty* of the School of Pharmacy, see page 36, for a description of the *building*, see page 54; for *scholarships*, see page 96.

HISTORY

The School of Pharmacy was originally the Chicago College of Pharmacy and was incorporated under that name September 5, 1859.

In October, 1859, the first course of lectures was instituted, occupying three evenings a week for a period of six months. The first class, of two students, was graduated in 1861. The war caused a suspension of teaching, and the school was not reopened until 1870. The fire of 1871 destroyed the equipment, but in 1872 instruction was resumed for the second time and has since continued without interruption.

The College was formally united with the University May 1, 1896, becoming the technical School of Pharmacy of the University of Illinois.

LOCATION

The School of Pharmacy buildings are located at the corner of Wood and Flournoy streets in Chicago.

This location is in the great medical center of Chicago and close to the colleges of Medicine and Dentistry of the University.

EQUIPMENT

The total capacity of the laboratories is sufficient for 300 students, working at one time.

The laboratories are supplied with compound microscopes, analytical balances, and special apparatus, and with collections of crude drugs, medicinal plants, chemicals, and pharmaceutical products.

The library contains over four thousand volumes, including, in addition to the usual works of reference, many rare books and complete files of the leading pharmaceutical journals.

CURRICULUMS

For the Degree of Graduate of Pharmacy

In the curriculum leading to the degree of Graduate in Pharmacy the instruction is so arranged as to require the attendance of each student from three to five days each week and from twenty-one to twenty-nine hours weekly during two annual sessions of thirty-six weeks each. This arrangement is advantageous to drug clerks who desire to spend a part of their time in drug stores while attending school, thereby adding to their practical experience and at the same time earning a part or all of their living expenses.

The subjects taught are chemistry, general, pharmaceutical, and analytical; pharmacy, theoretical, manufacturing, and dispensing; botany; physiology; and materia medica.

For the Degree of Pharmaceutical Chemist

To meet the demand for special training on the part of students who desire to pursue more extended courses in pharmaceutical chemistry, applied microscopy, and bacteriology, or to prepare themselves for positions in food and drug laboratories, the School offers a three-year curriculum leading to the degree of Pharmaceutical Chemist. This curriculum comprises three annual sessions of thirty-six weeks each, the first two years being identical with the curriculum for the degree of Graduate in Pharmacy. The third year includes thirty-five hours a week for thirty-six weeks and consists largely of laboratory practise.

This curriculum includes, in addition to the subjects mentioned above, organic analysis and proximate assays, new remedies, analysis of urine, food and sanitary analysis, bacteriology, and applied microscopy.

The system of teaching includes lectures, illustrations, demonstrations, recitations, written and oral examinations, and individual practise and personal instruction in the various laboratories, much time being devoted to this important part of the student's work.

ADMISSION

For the requirements for matriculation in the School of Pharmacy, see page 66.

Admission as special students, not candidates for a degree, is restricted to registered apprentices, assistants, or pharmacists, not less than twenty-one years of age.

Students who have pursued courses of study in other schools of pharmacy will be given credit for such portions of their work as are equivalent to the work required by this School.

The candidate for the degree of Graduate in Pharmacy must be twenty-one years of age, and must have attended two annual courses of instruction, the first of which may have been in some other recognized college or school of pharmacy. He must have attended regularly the laboratory and lecture courses and have satisfactorily finished the work required.

Students who have successfully met the scholarship requirement, but are lacking in age will receive a certificate and will be awarded the diploma when this requirement is satisfied.

The candidate for the degree of Pharmaceutical Chemist must have successfully completed the course leading to the degree of Graduate in Pharmacy in this school or in some other recognized college or school of pharmacy whose requirements for admission and graduation are equivalent to ours. He must have satisfactorily completed the work of the third year at this school.

Persons competent to fill the general requirements of admission to the University may be granted credits upon other University courses for equivalent work completed at the School of Pharmacy.

STATE REGISTRATION

The pharmacy law of Illinois requires all candidates for the certificate of registered pharmacist to pass an examination given by the State Department of Registration and Education. Credit is given as a part of the "practical experience in compounding drugs" required by the law, for the actual time of attendance at a recognized school of pharmacy, but not to exceed twenty-four months for registered pharmacist nor twelve months for registered assistant pharmacist.

An amendment to the pharmacy law, in effect July 1, 1917, requires graduation from a recognized school of pharmacy, of candidates for the certificate of registered pharmacist, with the exception of those drug clerks who were entered on the rolls of the Board of Pharmacy as apprentices or assistants prior to the date when the law went into effect. The diploma of this school also admits to the pharmacy examinations in other states where the graduation requirement is in force.

The School holds membership in the American Conference of Pharmaceutical Faculties.

FEES AND EXPENSES

For a statement of the fees, see page 104. Fees are payable in advance. Students unable to meet this requirement must make satisfactory arrangements with the Dean at the beginning of the course.

BOARD AND LODGING.—Good board and lodging, within a convenient distance of the School, can be had for from ten to fifteen dollars a week.

SELECTION OF SEATS.—Seats in the lecture halls and desks in the laboratories will be assigned to students in the order of enrollment. To enroll, junior students will fill out the matriculation blank and forward it to the Dean together with credentials for admission and the matriculation fee of ten dollars, and registration fee of five dollars; senior students will pay the registration fee of five dollars. It is of advantage to students to matriculate early.

OPPORTUNITIES FOR EMPLOYMENT.—A register of students desiring employment and of pharmacists wishing to employ students is kept at the School. Students desiring employment are invited to correspond with the Dean.

FURTHER INFORMATION

Further information may be found in the special announcement of this School, which may be obtained from the DEAN, SCHOOL OF PHARMACY, 701 South Wood Street, Chicago, Illinois.

PART III
DESCRIPTION OF COURSES

DESCRIPTION OF COURSES

EXPLANATION

The arrangement of subjects in the following Description of Courses is alphabetical. The connections of allied departments are indicated by cross references.

Following the description of each course of instruction will be found the requirements, if any, for admission to that particular course. The sequence indicated by these prerequisites must be followed. For instance, under Art and Design 7a, Still-life in Oil Colors, the prerequisites given are Art and Design 1 and 2. These two courses must be completed before Course 7a may be taken.

If a course not required for graduation is selected by fewer than five students it may be withdrawn for the semester.

Graduate courses are numbered upwards from 100.

Credit is reckoned, for *undergraduate students*, in *semester hours*, or simply *hours*. An *hour* is one class period a week for one semester or the equivalent in laboratory, shop, or drawing room.

The semester, and the number of hours each semester for which the course counts, are shown after each course, thus: *I, II; (2)*. The Roman figures indicate semesters; the Arabic numerals in parentheses indicate hours of credit for *each semester* for undergraduates.

Credit for first-year graduate students, candidates for the master's degree, is counted in units. A unit course is one which requires ten hours of time a week through one semester, irrespective of the distribution of that time in class work, laboratory work, and private study; four such courses or their equivalent constitute a full minimum program for one semester. The unit values of graduate courses (numbered 100 and upwards) are indicated in the following pages. Courses of the intermediate groups "for graduates and advanced undergraduates," are in general (unless otherwise specified by the department concerned) evaluated as follows for graduate credit: (a) courses open only to students having at least senior standing, 1 unit for a 4-hour or 5-hour course, $\frac{1}{2}$ unit for a 1-hour, 2-hour, or 3-hour course; (b) courses open to juniors, $\frac{1}{2}$ unit for a 4-hour or 5-hour course; $\frac{1}{4}$ unit for a 1-hour, 2-hour, or 3-hour course.

For *second-year and third-year graduate students*, candidates for the doctor's degree, no record of units is kept.

The omission of a course for the current year is indicated by enclosing the entire description of such a course in brackets.

Courses given in the summer session of 1921 are indicated by the initial letter S preceding the number and are grouped by departments after the courses given during the winter.

ACCOUNTANCY

(See BUSINESS ORGANIZATION AND OPERATION)

AGRICULTURAL COLLEGE EXTENSION

Mr. RANKIN, Mr. HIERONYMUS, Mr. BALDWIN, Mr. YOUNG.

[3. **Agricultural Extension Teachings.**—The service of extension enterprises to the people; farmers' institutes; agricultural extension schools; farmers' clubs and cooperative work in rural communities. *II; (1)*. Not given in 1921-22. Professor RANKIN
Prerequisite: One year of university work].

4. **Elementary Agricultural Extension.**—Introduction to agricultural college and university work; methods of study; scope and application of agricultural teaching and investigation. Lectures. Required of first-year students. *I; (1)*.

(Credit given to agricultural freshmen only). DEAN DAVENPORT and other lecturers

NOTE.—For former courses offered under Agricultural College Extension, and other related courses, see Agricultural Education.

AGRICULTURAL EDUCATION

(See EDUCATION)

AGRONOMY

Professors BURLISON, WHITING; Assistant Professors DE TURK, SMITH, SNIDER, WOODWORTH; Mr. RICHMOND, Mr. DUNGAN, Mr. PIEPER, Mr. WIMER, Mr. SEARS, Mr. MALLOCH, Mr. SPENCER, Mr. VANDERVEEN, Mr. CARNEY, Mr. HARLAND, Mr. CRANE, Mr. SMITH.

7. Advanced Farm Crops.—Climatic and soil factors in relation to crop production; meadows and pastures; rotation; distribution of labor; cost of production; pure seed production; supply and consumption of products and by-products of farm crops; storage and marketing. Lectures; assigned reading; laboratory; demonstrations. *II*; (3).

Prerequisite: Agronomy 25, Chemistry 13a, and either Botany 27a or an approved equivalent in science (consult instructor). Professor BURLISON

8. Special Farm Crops.—Special crops in which the student is interested. Reading; experiments by pot culture in the greenhouse or by plots in the field. Under special arrangement part of this work may be done during summer vacation. *II*; (2 to 5).¹

Professor BURLISON, Mr. PIEPER

Prerequisite: Agronomy 7.

9. Soil Physics and Management.—Origin of soil material and formation and classification of soils; organic matter of soils; moisture, its movement and control; drainage and dry land agriculture; irrigation; temperature; aeration tillage; soil erosion; rotation. Lectures; laboratory; quiz. *I*, or *II*; (5).

Mr. WIMER, Mr. HARLAND

Prerequisite: Chemistry 2, and one unit of entrance or university physics.

10. Special Work in Soil Physics.—The problems, methods, and literature of soil physics are treated in lecture; laboratory work, if taken, is arranged to meet the needs of each student. *II*; Lectures (2), laboratory² (1-3).¹

Assistant Professor SMITH, Mr. WIMER

Prerequisite: Agronomy 9 and approval of the Soil Physics Division.

11. Soil Biology.—Quantitative studies of the biochemical activities of soil microorganisms with respect to fertility, factors influencing action on insoluble mineral plant food; fermentation of crop residues, green and farm manures, nitrogen fixation, assimilation, and preservation, and similar studies of the other essential elements. Lectures; quiz; laboratory. *II*; (5).

Professor WHITING, Mr. RICHMOND

Prerequisite: Agronomy 12 and Bacteriology 5a and 5b, or 20, or the equivalent.

12. Soil Fertility, Fertilizers, Rotations.⁴—The influence of fertility on yield effect of different crops on the soil and on succeeding crops; different rotations, ultimate effect of different systems of farming on fertility and productivity; composition and value of manures and fertilizers, soils cropped continuously and different crops and with a series of crops; the fertility of soils of different types from different sections of Illinois. Lectures, laboratory.³ *II*; (5).

Assistant Professors DeTURK, SNIDER, Mr. SEARS

Prerequisite: Chemistry 13a.

12a. Soil Fertility, Fertilizers, Rotations.⁴—The same as Agronomy 12 for advanced students. Lectures; quiz; *II*; (3).

Assistant Professor DeTURK

Prerequisite: Graduate standing, or advanced undergraduate standing with the approval of the division.

13. Special Work in Soil Fertility.—The chemistry of plant growth as related to the utilization of plant food materials; relation of solubility to availability; special methods of analysis and special problems in laboratory and greenhouse work. *I*; (3). Mr. SEARS

Prerequisite: Agronomy 12.

14. Seed Inspection and Grain Standardization.—(For advanced students who intend to enter the grain or seed business.) Advanced work in the inspection of samples of small seeds for purity and germination; sampling, judging, grading of seeds, grains and

¹In registering for a course with variable credit hours, a student must put down on his study-list, not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but 2, or 3, or 4, or 5.

²Laboratory and quiz sections will be filled in alphabetical order.

³The student is advised to collect in advance a representative composite sample of surface soil (at least six pounds) from land in which he is interested (see page 44 of the Soil Fertility Laboratory Manual, or Illinois Experiment Station Circular 150).

⁴A required inspection trip to certain soil experiment fields or farms will be arranged in May or early June, in connection with courses 12 and 12a which will require an expense of about \$15 on the part of the student.

hays. Seed and grain laws and their application; transportation, marketing, centers of production. Lectures; laboratory. *I*; (2). Mr. PIEPER, Mr. CARNEY

Prerequisite: Agronomy 7, or simultaneous registration therein.

18a-18b. Thesis: Soil Fertility. *I, II*; (5). Assistant Professor DeTURK

18c-18d. Thesis: Soil Physics. *I, II*; (5). Assistant Professor SMITH

18e-18f. Thesis: Soil Biology. *I, II*; (5). Professor WHITING

18g-18h. Thesis: Plant Breeding. *I, II*; (5). Assistant Professor WOODWORTH

18j-18k. Thesis: Field Crops. *I, II*; (5). Professor BURLISON

Prerequisite: 90 hours credit before the senior year; 20 hours credit in subjects pertinent to the thesis problem and the approval of the head of the department.

19a-19b. Research Work in Agronomy.—Consult instructor regarding time and requirements. Soil Fertility *I, II*; (3-5)¹. Assistant Professor DeTURK

19c-19d. Research Work in Agronomy.—Soil Physics. *I, II*; (3-5)¹.

Assistant Professor SMITH

19e-19f. Research Work in Agronomy.—Soil Biology. *I, II*; (3-5)¹.

Professor WHITING

19g-19h. Research Work in Agronomy.—Plant breeding. *I, II*; (3-5)¹.

Assistant Professor WOODWORTH

19j-19k. Research Work in Agronomy.—Field Crops. *I, II*; (3-5)¹.

Professor BURLISON

Prerequisite: Approval of the head of the division.

22. Plant Breeding.—The improvement by breeding of field crops, including grains, grasses, and legumes; general principles involved, with practical applications. Lectures, assigned reading, demonstrations, and laboratory. *I*; (3).

Assistant Professor WOODWORTH

Prerequisite: Botany *I*; Chemistry 13a; Agronomy 25; junior standing.

25. Farm Crops.—Plant growth; structure; principles governing the production and harvesting of common farm crops; habits; characteristics, requirements, means of improvement; common diseases, insects, and their control; weed seed identification; methods of weed control; weed testing for purity and germination; market grades of grain; grain judging. *I* or *II*; (4). Mr. PIEPER, Mr. CARNEY

Courses for Graduates

101. Soil Investigations.—System of soil investigations; sources of error and methods of control; interpretation of results. *Twice a week. I, II*; (1 unit).

Assistant Professor DeTURK

104. Seminary in Agronomy.—Critical study by graduate students, faculty, and staff members or current literature on subject of soils and crops. *Once a week. I, II*; (½ unit).

Professor WHITING

111. Soil Biology.—Critical study of the biochemical methods of soil investigations; interpretation of experimental results and applications of statistical methods; outlining new methods of attack for research problems. *Once a week. I*; (½-1 unit)¹.

Professor WHITING

112. Plant Breeding.—A detailed study of experiments at this station; methods and results reported from other states and from foreign countries. *I, II*; (½-1 unit)¹.

Assistant Professor WOODWORTH

114. Crop Production.—Crop Ecology, methods and results of crop production investigations. *Once a week. I, II*; (½ to 2 units)¹.

Professor BURLISON

118. Research.—A special problem is chosen by each student; consultation one to two times a week for different students. When registering for a thesis, the work is pursued under this course. *I, II*; (½ unit)¹. Heads of Division

ANIMAL HUSBANDRY

Professors MUMFORD², RUSK, GRINDLEY³, EDMONDS, DETLEFSEN, GRAHAM, CARD; Associate Professors SMITH, MITCHELL; Assistant Professors ROBERTS, SNAPP, BULL; Mr. RICE,

¹In registering for a course with variable credit hours, a student must put down on his study list, not the possible hours, as shown here, but the number of hours for which he intends to take the course; e. g., not 2-5, but 2, or 3, or 4, or 5. In the 19 courses the minimum number of credits which may be taken during a given semester is 3 hours and the maximum 5 hours.

²On leave of absence until March, 1922

³On leave of absence

MR. KAMMLADE, DR. BOUGHTON, MR. CRAWFORD, DR. BIESTER, MR. LAIBLE, MR. JOHNSON, MR. MACKEY, MR. KNOX, MR. SPAULDING, DR. RUBIN, MR. FELDMAN.

Courses for Undergraduates

Animal Pathology: Animal Husbandry 34, 35.

Beef Cattle: Animal Husbandry 11a, 11b.

Breeding, Feeding, Management, and Marketing: Animal Husbandry 8, 21, 28, 29, 30, 32.

General Judging: Animal Husbandry 1a, 2a, 4a, 5, 11a, 22.

Genetics: Animal Husbandry 30.

Horses: Animal Husbandry 4a, 4b.

Meat: Animal Husbandry 10, 24, 36.

Nutrition: Animal Husbandry 7, 31.

Poultry: Animal Husbandry 23.

Sheep: Animal Husbandry 1a, 1b, 27.

Swine: Animal Husbandry 2a, 2b, 26.

NOTE.—Students registered in advanced courses such as 10, 23, 29, and 32, are required to participate in tours of inspection of representative markets, farms, herds, flocks, and studs.

1a. Sheep: Breeds and Market Classes.—Breeds used for mutton and wool production; types, characteristics, and adaptability; market classes and grades of sheep and wool. Lectures; judging. *I*; (2). Mr. KAMMLADE, MR. MACKEY

Prerequisite: Animal Husbandry 5 or its equivalent.

1b. Sheep: Breeding, Feeding, and Management.—Pure bred and grade flocks; feeding, housing, and shepherding. Lectures, reference reading, quizzes. *I*; (3). Mr. KAMMLADE, MR. MACKEY

Prerequisite: Animal Husbandry 5, 8, and 21, or their equivalents.

It is advisable to take 1a and 1b the same semester.

2a. Swine: Judging.—History of the leading breeds; types, characteristics, and adaptability; market classes and grades; market reports. Lectures; judging. *II*; (2). Mr. RICE, MR. LAIBLE

Prerequisite: Animal Husbandry 5 or its equivalent.

2b. Pork Production.—Economic production of market and breeding hogs. Breeding, feeding, housing, care, sanitation, common diseases, and marketing. Lectures; assigned reading; quizzes. *II*; (3). Mr. RICE, MR. LAIBLE

Prerequisite: Animal Husbandry 5, 8, and 21, or their equivalents.

It is advisable to take 2a and 2b the same semester.

4a. Market Classes of Horses and Mules and Breeds of Horses.—Market classes, grades, and requirements. History of the leading breeds; types, characteristics, and adaptability. Lectures; judging. *II*; (2). Professor EDMONDS, MR. CRAWFORD

Prerequisite: Animal Husbandry 5 or its equivalent.

4b. Breeding, Feeding, and Management of Horses.—Care of stallions, mares, and foals; of work horses and drivers at labor and idle; fattening horses for market. Lectures; assigned reading. *II*; (3). Professor EDMONDS, MR. CRAWFORD

Prerequisite: Animal Husbandry 6, 8, 21, or their equivalents.

It is advisable to take 4a and 4b the same semester.

5. Principles of Live Stock Judging.—Elementary course in the selection of farm animals for market, feed lot, work, and breeding purposes; nomenclature of external parts; the use of the score card, and the comparative judging of the various types of live stock; characteristics of the important breeds of beef cattle, hogs, horses, sheep, and poultry. Required in freshman year. *I* or *II*. (3). Assistant Professor SNAPP and others

7. Principles of Animal Nutrition.—Composition of feeding stuffs and the chemistry of food nutrients; digestion and the determination of digestibility; absorption and metabolism of organic and inorganic nutrients; the function of fats, carbohydrates, proteins, and ash constituents in nutrition; energy, metabolism and the fuel value of the feeding stuffs; regulating factors in metabolism; food requirements and feeding standards; the specific value of different feeds in nutrition. Lectures; recitations. *I*; (5). Associate Professor MITCHELL

Prerequisite: Animal Husbandry 21; Chemistry 13a.

8. Principles of Breeding.—Elemental facts of evolution and genetics; origin of domesticated animals and plants; the relation to genetics of different systems of plant and

animal breeding. Required in the sophomore year. *I* or *II*; (2).

Assistant Professor ROBERTS

9. Thesis.—Open to any student who has completed not less than 90 hours credit before the senior year provided he has done not less than 20 hours work in courses pertinent to the thesis problem. Subject to the approval of the instructor. *I* or *II*. (5). Time to be arranged. Members of the Department

12. Investigation.—Open to students who have completed not less than 90 hours credit before the senior year provided that not less than 20 hours work has been done in courses pertinent to the problem. Consent of the instructor necessary. *I* or *II*. (5). Time to be arranged. Members of the Department

10. Meat.—Farm butchering, curing, and care of meats; yield, quality, and values of meat and by-products, as related to breeding, feeding, and health of animals; classes, grades and cuts of meat in wholesale and retail markets. The class will visit a Chicago packing house. The cost of the trip will be about \$15. *II*; (3). Assistant Professor BULL

Prerequisite: Animal Husbandry 36.

11a. Beef Cattle Judging.—Breeds and market classes; history of the leading breeds; beef type from the standpoint of the butcher, the feeder, and the breeder; classification and value of each grade according to current market reports. Judging; lectures; quizzes; assigned readings. *I*; (2). Professor RUSK, Assistant Professor SNAPP, Mr. ALLISON

Prerequisite: Animal Husbandry 5 or its equivalent.

11b. Beef Production.—History of beef industry in the United States; importance of beef in international trade; sectional differences in methods of beef production; relation of beef cattle to general farming; breeding and management of pure-bred herds; breeding for the market; economic factors in cattle feeding; influence of age, grade, condition, and sex; preparation of feeds; financial aspects of cattle feeding; equipment; fitting cattle for show and sale. Lectures; quizzes; assigned readings (text book). *I*; (3). Professor RUSK, Assistant Professor SNAPP, Mr. KNOX

Prerequisite: Animal Husbandry 5, 8, and 21, or their equivalents.

It is advisable to take 11a and 11b simultaneously.

21. Principles of Feeding.—Classification, digestibility, and functions of feed nutrients; classification and values of feeding stuffs; feed requirements and calculation of balanced rations for farm animals. Required in the sophomore year. *I* or *II*; (2). Assistant Professor BULL, Mr. SPAULDING, Dr. RUBIN

Prerequisite: Chemistry 1 or 1a; Chemistry 2; Animal Husbandry 5; and registration in Animal Husbandry 8.

22. Advanced Stock Judging.—Animal conformation, quality, and condition with reference to market and show yard requirements; selection of horses, beef cattle, sheep, and swine, for feed lot, market, and exhibition; judging at live stock shows. *I*; (3). Heads of divisions

Prerequisite: Animal Husbandry 1a, 2a, 4a, 11a, or their equivalents.

[24. Meat.—Influence of type, condition, age, sex, and feeds on the yield and market grade of meat products. *II*; (2-5).¹ Time to be arranged. Not given in 1921-1922. Assistant Professor BULL

Prerequisite: Animal Husbandry 10, and 1a or 2a or 11a; three years' work in the University, or its equivalent.]

26. Pork Production.—Special problems. *I*; (2). Time to be arranged. Mr. RICE

Prerequisite: Animal Husbandry 2a, 2b, and senior standing.

[27. Sheep Husbandry.—Factors determining the importance of the industry in leading sheep growing countries, particularly different parts of the United States. *II*; (2-5).¹ Time to be arranged. Not given in 1921-1922. Mr. KAMMLADE

Prerequisite: Animal Husbandry 1a, 1b; three years' work in the University, or its equivalent].

28. History of Breeds of Live Stock.—Origin and establishment of the leading breeds of horses, beef cattle, sheep, and swine. Methods of the most influential breeders; performance and pedigrees of famous animals. Lectures, assigned readings and problems. *II*. (3). Heads of divisions

Prerequisite: Junior standing.

¹In registering for a course with variable credit hours, a student must put down on his study list *not* the possible hours, as shown here, but the number of hours for which *he* intends to take the course; e.g., not 2-5, but 2, or 3, or 4, or 5.

[29. Systems of Live Stock Farming.—The physical and economic factors which tend to determine the types of farming. The economic organization of the various types of live stock farming with special reference to the proportions of land, labor, and capital employed in the production of the various classes of live stock. Planning systems of live stock farming. The class will visit some of the live stock farms included in the cost accounting investigations conducted by the department of animal husbandry and the department of farm organization and management. This trip will cost about \$25.00. *II*; (2). Not given in 1921-1922.

Prerequisite: Animal Husbandry 5, 8, 21, and 6 hours' credit from 1b, 2b, 4b, or 11b; Farm Management 1. See note at the beginning of description of Animal Husbandry courses].

Professor HANDSCHIN

30. Genetics.—Heredity, variation, elements of biometry, and their practical application to breeding. Lectures; demonstrations; laboratory. Laboratory fee, \$1.00. *I*; (5).

Professor DETLEFSEN, Assistant Professor ROBERTS

Prerequisite: Two years of university work. Before registering, students must secure the approval of the instructor.

31. Advanced Course in Animal Nutrition.—Some of the more advanced phases of the chemistry and physiology of nutrition; recent developments of the nature of growth, the factors affecting metabolism, and the food requirements of animals under different conditions; nutrition investigations of agricultural experiment stations in this and other countries. Lectures; quizzes; assigned readings. *II*; (3). Time to be arranged.

Associate Professor MITCHELL

Prerequisite: Animal Husbandry 7; an elementary knowledge of organic chemistry is also desirable.

[32. Marketing Live Stock.—Markets and methods of marketing live stock and their products. Advertising and sale of surplus pedigreed live stock. Certain inspection trips will be required of the class. The expense of these trips will be about \$15.00. *II*; (2). Not given in 1921-1922.

Prerequisite: Two years of university work. At least 4 credits in Animal Husbandry 1a, 2a, 4a, and 11a. See note at the beginning of description of animal husbandry courses].

34. Anatomy and Physiology of Farm Animals.—The structure and function of the animal economy (horse and cow) in health, supplemented by a discussion of the common malformations and non-specific diseases affecting the various organs and systems of the animal. Lectures; assigned readings; quizzes. *I*; (2).

Dr. BOUGHTON

Prerequisite: Sixty hours of university work.

35. Contagious Diseases of Farm Animals.—The causes, symptoms, and methods of prevention of the common diseases of animals transmissible to man. A discussion of anti-serums, vaccines, antitoxina, and bacterins, as well as other biological products as related to the prevention, cure, and diagnosis of animal diseases. Lectures; assigned readings; quizzes. *II*; (2).

Professor GRAHAM

Prerequisite: Animal Husbandry 34.

36. Meats.—Production and consumption of meat; structure, composition, nutritive value; economy and place in the diet; wholesale and retail cuts; selection and preparation; the packing industry and its by-products. Lectures. *I*. (2).

Assistant Professor BULL

Prerequisite: Two years of University work.

37. Poultry: Types, Breeds, and Varieties.—Exhibiting, and judging; principles of breeding; poultry houses and equipment; feeding, hatching, and brooding; market eggs and poultry; crate-fattening and dressing; diseases and their treatment. A limited number of short trips will be taken, the total cost of which will not exceed \$10. *II*; (3).

Professor CARD

Prerequisite: Animal Husbandry 5 or its equivalent.

Courses for Graduates

Students entering graduate work in animal husbandry must have a thoro training in the fundamental principles of the subject either in connection with or in addition to an agricultural course of study substantially equivalent to that offered in this University.

103. Live Stock Experimentation.—Objects, methods, and the sources of error in experimental work dealing with the feeding, breeding and management of farm animals. *Once a week, II*; ($\frac{1}{2}$). Time to be arranged.

Professor DAVENPORT

112. Research.—Opportunity is afforded to pursue investigations along the following lines:

- (a) Economic factors involved in meat production. Professor MUMFORD, Professor RUSK
 (b) Systems of live stock farming. Professor HANDSCHIN
 (c) The valuation of pedigrees.
 (d) Animal Nutrition. The chemistry of feeding stuffs; metabolism experiments and biochemical studies connected with the nutrition of farm animals. Professor GRINDLEY, Associate Professor MITCHELL
 (e) Genetics. Problems in heredity and variation. Professor DETLEFSEN
 (a), (b), (c), one to three times a week; (d), and (e), five times a week; *I, II*; (1 to 2 units)¹. These courses may be taken during the summer by special permission. Time to be arranged.

116. Seminar in Animal Husbandry.—Once in two weeks; *I, II*.

Members of the department

117. Genetics.—Study and criticism of genetic experiments, biological and mathematical methods employed, and the validity of the conclusions. Two or five times a week; *I, II*; (1 to 2 units). Time to be arranged. Professor DETLEFSEN

ARCHITECTURE

Professors PROVIN, RICKER, WHITE, NEWCOMB; Associate Professors DAVISON, STANTON; Assistant Professors PALMER, DILLENBACK, BURGESS, TITCOMB, CRANDALL; Mr. O'DONNELL, Mr. McANLIS, Mr. LANGFORD, Miss WOODROOFE, Mr. STEWART, Mr. DUELL, Mr. ABBITT, Mr. MERIWETHER, Mr. HALLAUER, Miss FEHRENKAMP.

A. ARCHITECTURE

13, 14, 15, 16, 18. History of Architecture.—From the Egyptian period to modern times; effects of local, political, and economic conditions; influence of material, climate, structural systems, the various countries and periods; evolution of architectural forms. Illustrated lectures; quizzes. *I, II*; (2). Professor NEWCOMB, Mr. DUELL

Prerequisite: Sophomore standing in architecture or architectural engineering, or Architecture 31 and 32. No prerequisite required of students in other departments.

23-24. Freehand Drawing.—Charcoal drawing from the cast. Water color work. *I, II*; (2). Miss WOODROOFE

Prerequisite: Architecture 32.

25. Freehand Drawing.—Principles underlying arrangement of form and color; rhythm and sequence; harmony and contrast. *I*; (2). Assistant Professor BURGESS

Prerequisite: Architecture 24.

26. Freehand Drawing.—Charcoal, pen, pencil, and water color drawing from the cast and still life. Out-of-door sketching. *II*; (2). Assistant Professor BURGESS

Prerequisite: Architecture 25.

27. Freehand Drawing.—Sketching from still life; study of proportions. *I*; (2). Assistant Professor BURGESS

Prerequisite: Architecture 26.

28. Freehand Drawing.—Water color; original decorative composition; out-of-door sketching. *II*; (2). Assistant Professor BURGESS

Prerequisite: Architecture 27.

31. Architectural and Freehand Drawing.—Instruments, pen, pencil, and brush; lettering; shades and shadows; perspective. Charcoal drawing from the cast. *I*; (4). Mr. STEWART, Miss WOODROOFE, Mr. ABBITT, Mr. MERIWETHER

Prerequisite: Registration in General Engineering Drawing 2.

32. Architectural and Freehand Drawing.—Elements of architecture; walls, moldings, doors, windows, the Orders, vaults, roofs, stairs. Wash rendering, stereotomy, charcoal drawing from the cast. Lectures and sketching. *II*; (4). Mr. STEWART, Miss WOODROOFE, Mr. ABBITT, Mr. MERIWETHER

Prerequisite: Architecture 31.

33-34. Design.—(Elementary). Rendered order and sketch problems involving simple composition; library research in elements of composition. *I, II*; (3). Assistant Professor DILLENBACK

Prerequisite: Architecture 32.

¹In registering for a course with variable credit hours, a student must put down on his study-list, *not* the possible hours, as shown here, but the number of hours for which *he* intends to take the course; e. g., not 2-5 but 2, or 3, or 4, or 5.

35-36. Design.—(Intermediate). Rendered plan and sketch problems; library research in plan and interior elements. *I, II; (5).* Assistant Professor TITCOMB

Prerequisite: Architecture 34.

37. Design.—(Advanced.) Original design. *I; (7).*

Associate Professor STANTON

Prerequisite: Architecture 36.

38. Advanced Design.—Extended original problems in design. *II; (7).*

Associate Professor STANTON

Prerequisite: Architecture 37.

43. Technology of Materials.—The growth, cutting, seasoning, working, and finishing of woods; structural and decorative properties; detailing various parts on a large scale; floors, walls, roofs, doors, windows, cornices, stairs, wainscoting, cabinet-work, interior finish; preparation of working drawings. *I; (3).* Mr. LANGFORD, Mr. O'DONNELL

Prerequisite: General Engineering Drawing 2; Architecture 31, 32.

44. Technology of Materials.—Materials for stone masonry; their uses, defects, qualities, and preparation; kinds of masonry and external finish; tools for stone cutting; brick masonry, its materials and bonds; terra cotta design, manufacture, and use; columns, beams, girders, and footings; joints and connections. Working drawings. *II; (3).*

Mr. LANGFORD, Mr. O'DONNELL

Prerequisite: General Engineering Drawing 2; Architecture 31, 32, 43.

45. Graphic Statics.—Elementary graphic statics; its application to trussed roofs; steel and masonry arches, domes. The graphical representation of reactions, bending moments, shear and deflection in beams. (For architects.) *I; (3).*

Mr. McANLIS, Mr. HALLAUER

Prerequisite: Theoretical and Applied Mechanics 14, 15, 16.

46. Roofs.—Wooden and steel roofs; determination of section of members; design of joints; mill and steel skeleton construction. *II; (3).* Mr. McANLIS, Mr. HALLAUER

Prerequisite: Architecture 45.

55. Building Sanitation.—Plumbing, trap ventilation, removal of wastes; water closets; drains and systems of water supply; sewage disposal; water supply and fixtures in dwellings. (For architects.) Recitations; lectures; designs for special problems. *II; (1).*

Mr. O'DONNELL

Prerequisite: Physics 9a-9b, 10a-10b; Architecture 43, 44.

59. Domestic Architecture.—(Given in connection with Home Economics 2.) Lectures; criticism. *I.* Professor NEWCOMB and others

60a. Special Lectures.—Special lectures on architectural subjects. (For architects.) *II; (2).* Assistant Professor PALMER

Prerequisite: Senior standing.

65-66. Theory of Architecture.—Influence of function on architectural form; plan and elevation; problem analysis. Lectures; research; exercises. *I, II; (1).*

Assistant Professor DILLENBACK

Prerequisite: Registration in Architecture 25, 26.

67. Theory of Form.—Principles underlying arrangement of form; architectural ornament and composition, proportion and balance. *II; (2).*

Assistant Professor BURGESS

Prerequisite: Senior standing in architecture.

68. Specifications.—General and special clauses and their arrangement; classifying material to facilitate writing specifications; practise in writing several sets; relations of the architect, owner, and builder; office organization; building ordinances; professional ethics. (For architects.) *I; (3).* Professor PROVINÉ

Prerequisite: Senior standing in architecture.

97-98. Thesis.—*I, II; (7).*

Associate Professor STANTON

99. Inspection Trip.—*I; (no credit).*

Prerequisite: Senior standing.

Courses for Graduates

Entrance on graduate work in architecture presupposes the full undergraduate course in that subject. Semi-weekly conferences are held and additional instruction given in all courses as may be required.

101. Architectural Construction.—Design of special structures. *I, II; (½ to 1 unit).* Twice a week. Time to be arranged. Professor RICKER, Professor PROVINÉ

102. **Sanitation of Buildings.**—Planning, design, and installation. *I*; ($\frac{1}{4}$ to $\frac{1}{2}$ unit).
Twice a week. Time to be arranged. Professor RICKER
103. **Advanced Architectural Graphics.**—*I, II*; (1 to 2 units). Twice a week. Time to be arranged. Professor PROVINE
104. **Architectural Design.**—Advanced course. *I, II*; (1 to 2 units). Twice a week. Time to be arranged. Associate Professor STANTON
105. **Architectural Practise.**—Contracts, specifications, and office methods. *I*; ($\frac{1}{4}$ to $\frac{1}{2}$ unit.) Twice a week. Time to be arranged. Professor PROVINE
106. **Architectural History.**—Special research. *I, II*; ($\frac{1}{2}$ to 2 units). Twice a week. Time to be arranged. Professor RICKER, Professor NEWCOMB

B.—ARCHITECTURAL ENGINEERING

33. **Architectural Drawing.**—Lettering; elements of architecture; walls, mouldings, doors, windows, shades and shadows, perspective, the Orders, vaults, roofs, stairs; wash rendering, stercotomy, charcoal drawing from the cast. Lectures and sketching. *I*; (3). Assistant Professor CRANDALL
- Prerequisite:* General Engineering Drawing 1, or I or 4, or 2.
34. **Design.**—(Elementary.) Rendered order and sketch problems; library research. *II*; (3). Assistant Professor CRANDALL
- Prerequisite:* Architectural Engineering 33.
- 35-36. **Design.**—(Intermediate.) Rendered plan and sketch problems; library research. *I, II*; (3). Associate Professor DAVISON
- Prerequisite:* Architectural Engineering 34.
43. **Technology of Materials.**—The growth, cutting, seasoning, working, and finishing of wood; structural and decorative properties; floors, walls, roofs, doors, windows, cornices, stairs, wainscoting, cabinet-work, interior finish; preparation of working drawings. (For architectural engineers.) *I*; (2). Mr. LANGFORD
- Prerequisite:* General Engineering Drawing 1, 2.
44. **Technology of Materials.**—Materials for stone masonry; their uses, defects, qualities, and preparation; kinds of masonry and external finish; tools for stone cutting; brick masonry; bonds; terra cotta design, manufacture, and use; columns, beams, girders; joints and connections; preparation of working drawings. *II*; (2). Mr. LANGFORD
- Prerequisite:* Architectural Engineering 33, 43; General Engineering Drawing 1, 2.
45. **Graphic Statics.**—Elements, and applications to forces; beams under fixed and moving loads. *I*; (3). Mr. McANLIS, Mr. HALLAUER
- Prerequisite:* Theoretical and Applied Mechanics 20; registration in Theoretical and Applied Mechanics 25.
46. **Advanced Graphic Statics.**—The analysis of masonry arches, domes, and vaults; large and unusual forms of roof trusses. *II*; (3). Mr. McANLIS, Mr. HALLAUER
- Prerequisite:* Architectural Engineering 45.
47. **Architectural Engineering.**—Design and working drawings of trusses, members and joints, plate girders, chimneys; investigations of wind bracing. *I*; (5). Assistant Professor PALMER, Mr. McANLIS
- Prerequisite:* Theoretical and Applied Mechanics 26; Architectural Engineering 44, 46.
48. **Architectural Engineering.**—Design and detail of footings; investigation of framed structures; working drawings. *II*; (5). Assistant Professor PALMER, Mr. McANLIS
- Prerequisite:* Architectural Engineering 47.
57. **Fireproof Construction.**—Principles and design of fireproof construction; the advantages of each type. *I*; (2). Assistant Professor PALMER
- Prerequisite:* Theoretical and Applied Mechanics 26; Architectural Engineering 44, 46; registration in Architectural Engineering 47.
58. **Fireproof Construction.**—(Continuation of first semester's work.) Details and working drawings. *II*; (2). Assistant Professor PALMER
- Prerequisite:* Architectural Engineering 47, 57; registration in Architectural Engineering 48.
67. **Building Sanitation.**—Plumbing, trap ventilation, removal of wastes; water closets; drains and systems of water supply; sewage disposal; water supply and fixtures in all types of buildings. (For architectural engineers.) Recitations, lectures and quizzes; designs for special problems. *II*; (2). Mr. O'DONNELL
- Prerequisite:* Physics 1a-3a, 1b-3b; Architectural Engineering 43 and 44.

68. **Estimates and Specifications.**—Methods of estimating, illustrated by problems; a study of specifications, their general and special clauses, relations of architect, owner, and builder. (For architectural engineers.) *II*; (4). Professor PROVINE

Prerequisite: Senior standing in architectural engineering.

99. **Inspection Trip.**—*I*; (no credit).

Prerequisite: Senior standing.

ART AND DESIGN

Assistant Professors LAKE, BRADBURY; Professor TAFT (non-resident), Miss WETMORE, Mr. NEARPASS, Mr. SIEBERN.

1. **Freehand Drawing.**—Drawing in charcoal and pencil; perspective; light, shadow, shade, and reflections in monochrome; graphical representation. *I* or *II*; (3).

Assistant Professor BRADBURY, Mr. NEARPASS, Mr. SIEBERN

2. **Pictorial Composition.**—Line and pattern. Landscape. *II*; (3).

Assistant Professor BRADBURY

Prerequisite: Art and Design I.

3a-3b. **Figure Drawing.**—Drawing from posed model, artistic anatomy; proportion, construction, composition and action in the representation of the human figure. *I, II*; (3).

Assistant Professor BRADBURY

Prerequisite: Art and Design I.

4a-4b. **Water Color Painting.**—Still-life; flowers and outdoor sketching with application to pictorial and decorative art. *I, II*; (3).

Miss WETMORE

Prerequisite: Art and design I.

5a-5b. **Drawing from Life.**—Monochrome, with application to pictorial and decorative purposes. *I, II*; (3).

Miss WETMORE

Prerequisite: Art and Design I, 3a.

6a-6b. **Portrait in Oil Colors.**—Painting in oil colors from costumed models; portrait and character study. *I, II*; (3).

Miss WETMORE

Prerequisite: Art and design I, 3a, 5a.

7a-7b. **Still-life in Oil Colors.**—Still-life; flowers and outdoor sketching, with application to pictorial and decorative art. *I, II*; (3).

Miss WETMORE

Prerequisite: Art and Design I, 2.

8a-8b. **Modeling.**—Clay modeling of anatomical and decorative forms; plaster molds, and models; sculptural art. *I, II*; (3).

Assistant Professor LAKE

10. **Sketching.**—Practise in pen, pencil, wash, charcoal, pastel; technical methods in sketching from still-life, landscape and figure. *II*; (1).

Assistant Professor BRADBURY

Prerequisite: Art and Design I.

12. **Design.**—Theory of pure design and the effect of material on execution; fitness of various forms of media for different sorts of design; space division and space relations; color schemes and exercises; conventionalization of natural forms for various functions; practise in execution. *I, II*; (2).

Assistant Professor LAKE

Prerequisite: Art and Design I.

14. **Applied Design.**—Technic of decorative illustration in black and white and in color applied to posters, covers, book-plates etc., processes of reproduction in printing. *I, II*; (2).

Assistant Professor BRADBURY

Prerequisite: Art and design I, 12.

19. **History of Fine Arts.**—The periods and styles of the arts of architecture, sculpture, and painting previous to the Italian Renaissance. *I*; (2).

Assistant Professor LAKE

Prerequisite: One year of college work.

20. **History of Fine Arts.**—The periods and styles of the arts of architecture, sculpture, and painting of the Italian Renaissance and to the present time. *II*; (2).

Assistant Professor LAKE

Prerequisite: One year of college work.

Summer Session Courses

S1. **Elementary Art.**—Form drawing from still-life, cast, and nature; outline and shading in charcoal; lectures on perspective. (3). Equivalent for course I.

Assistant Professor BRADBURY

S3. **Drawing from Model with Study of Anatomy.**—(2).

Assistant Professor BRADBURY

S6. **Painting from Figure and Landscape.**—(2).

Assistant Professor BRADBURY

ASSYRIAN

(See ORIENTAL LANGUAGES AND LITERATURE.)

ASTRONOMY

Professor STEBBINS, Mr. WYLIE.

No major for undergraduates is offered in astronomy. Students may well make mathematics or physics their major, and take Astronomy 7, 8, 14, and 15 as a minor.

Courses for Undergraduates

1. **Elementary Astronomy.**—Lectures; recitations; one evening a week at the observatory. *I, II; (3).* Professor STEBBINS, Mr. WYLIE

Prerequisite: Mathematics 4.

6. **Navigation.**—Piloting, dead reckoning, latitude and longitude by astronomical observations; use of compass and sextant. *II; (3).* Professor STEBBINS

Prerequisite: Mathematics 4, sophomore standing.

For Advanced Undergraduates and Graduates

7-8. **Theoretical Astronomy.**—Celestial mechanics; theory of orbits; perturbations. *I, II.* Professor STEBBINS

Prerequisite: Mathematics 9.

14. **Observational Astronomy.**—The working methods of an astronomical observatory; individual problems. *II; (3).* Mr. WYLIE

Prerequisite: Astronomy 15.

15. **Geodetic Astronomy.**—The sextant, transit, and zenith telescope; methods similar to those of the United States Coast Survey. *I; (3).* Mr. WYLIE

Prerequisite: Mathematics 7.

Courses for Graduates

101. **Seminar.**—*Three times a week; I, II; (1 unit).* Professor STEBBINS

[102. **Stellar Astronomy.**—Orbits of binary stars; variable stars; theoretical photometry. *Three times a week; I, II; (1 unit).* Not given in 1921-22. Professor STEBBINS]

ATHLETIC COACHING AND PHYSICAL EDUCATION

Director HUFF; Professor ZUPPKE; Assistant Professor GRIFFITH; Mr. LUNDGREN, Mr. WINTERS, Mr. SCHUETTNER¹, Mr. STALEY,² Mr. MANLEY, Mr. BULLOCK, Mr. PREHN, Mr. BEARG, Mr. INGWERSEN, Mr. McCORMICK, Mr. WAGNER, Mr. BROWN, Mr. BERGEY.

3a. **Free Exercises.**—With or without hand apparatus, including gymnastic marching tactics. Personal proficiency in execution and exactness of form. Progression and value of system of these exercises. Practise teaching. (10 hours practise and theory for $\frac{1}{2}$ semester). *I; (2).* Mr. SCHUETTNER

3b. **Free Exercises.**—Continuation of Athletic Coaching 3a. (10 hours practise and theory for $\frac{1}{2}$ semester). *II, (2).* Mr. STALEY

4. **Elementary Apparatus.**—Simple exercises on horizontal bar, parallel bar, horse, rings, mats, etc., to be used in class or individual form. Progression and value of system of these exercises. Personal proficiency and exactness of form. Practise teaching. (5 hours practise, and theory). *II; (2).* Mr. STALEY

Prerequisite: Athletic Coaching 3.

5. **Physical Diagnosis.**—Elementary physical diagnosis. *II; (2).*

Prerequisite: Athletic Coaching 9, 12, 13, 14.

6. **Group Games and Mass Athletics.**—Group games of low organization and classification of all games. Adapted to meet the need of the playground, schoolroom, and gymnasium. Mass athletics includes athletic competitions entered into by large numbers of contestants divided into teams. (5 hours practise, and theory). *I; (2).* Mr. STALEY

7. **Boxing.**—Fundamentals for class and individual work. Personal proficiency. (4½ hours theory and practise for $\frac{1}{2}$ semester). *I; (1).* Mr. PREHN

8. **Wrestling.**—Fundamentals for class and individual work. Personal proficiency. (4½ hours theory and practise for $\frac{1}{2}$ semester). *I. (1).* Mr. PREHN

¹First semester.

²Second semester.

9. **Elementary Orthopedics.**—Deformities, their causes, prevention, and treatment. Corrective gymnastics, theoretical, and practical consideration. I; (2).

Prerequisite: Athletic Coaching 12, 13, 14.

15. **Playground Instruction.**—Philosophy of play; organization and equipment of the playground; play and games to meet the requirements of children of all ages; simple team, group, and competitive games, and folk dancing. (5 hours practise, and theory). II; (3).

Prerequisite: Athletic Coaching 6.

Mr. STALEY

16. **Training and First Aid.**—Emergency treatment of common injuries. Theories of training, massage, and treatment of sprains, bruises, etc. II; (2).

Mr. BULLOCK

Prerequisite: Athletic Coaching 12, 13, and 14.

17. **Organization and Administration of Physical Education.**—Problems in organization and administration in physical education and athletics. Intercollegiate, intramural, and mass athletics. Sportsmanship and ethics. I; (2). Assistant Professor GRIFFITH

Prerequisite: 5 hours credit in Athletic Coaching.

20. **Field and Track Athletics.**—Instruction and practical demonstration in starting, sprinting, distance running, hurdling, high and broad jumping, pole vaulting, shot putting, hammer and discus throwing. Practical talks on the methods of preparing contestants for different athletic events; adaptation to individual peculiarities; rules of competition; study of physical condition, including endurance, speed, and fatigue; the promotion, management, and officiating of games and meets. (10 hours practise and theory for $\frac{1}{2}$ semester). I; (2).

Mr. GILL

21. **Field and Track Athletics.**—Continuation of Athletic Coaching 20. (10 hours practise and theory for $\frac{1}{2}$ semester). II; (2).

Mr. GILL

Prerequisite: Athletic Coaching 20.

30. **Football.**—Practical and fundamental football taught in such a way that each student will become acquainted with all of the positions on the team. Special stress on punting, place kicking, drop kicking, goal kicking, kick-off, tackling, blocking, and interference. Offensive tactics predominate. (10 hours first half semester). I; (2).

Mr. BEARG, Mr. INGWERSEN, Mr. McCORMICK

31. **Football.**—Practical and fundamental football. The system taught by the various coaches. Defensive tactics predominate. The forward pass, trick plays, and the necessary defense to meet these plays. (10 hours first half semester). I; (2).

Mr. WINTERS

Prerequisite: Athletic Coaching 30.

32. **Football.**—The theory and art of coaching football. Study of the weaknesses and strong points of various styles of offense and defense used in different parts of the country. Special stress on generalship, signal system, scouting, and rules. The game will be studied from the coach's point of view. A lecture course. II; (2).

Professor ZUPPKE

Prerequisite: Athletic Coaching 30, 31.

40. **Basketball.**—The fundamentals of the game, such as passing, goal throwing, dribbling, turns, stops, team play, and actual competition. (10 hours second half semester). I; (2).

Mr. BEARG, Mr. INGWERSEN, Mr. McCORMICK

41. **Basketball.**—The game will be taken up from the coaching view-point. The theory of coaching, handling of men, different styles of offense and defense used by the leading coaches, and experience in coaching. (10 hours second half semester). II; (2).

Mr. WINTERS

Prerequisite: Athletic Coaching 40.

50. **Baseball.**—Theory and practise in batting, fielding, base-running and pitching. Special attention to fundamentals; teamwork, coaching methods, study of the rules, physical condition, methods of indoor practise. (Theory and practise, 10 hours). II; (4).

Director HUFF, Mr. McCORMICK

60. **Swimming.**—Elementary swimming and diving. Breast stroke, crawl stroke, back stroke, etc.; method of rescuing and resuscitation. (6 hours practise and theory). II; (2).

Mr. MANLEY

Summer Session Courses

S10a. Baseball Theory.—Theory of batting; base running; proper methods of fielding each position; team work and coaching methods; study of the rules, and a general study of fundamentals. Director HUFF, Mr. LUNDGREN

S10b. Baseball Practise.—The principles discussed in S10a will be practised in the various sections. Each section will meet three times a week. Mr. LUNDGREN

S11a. Track and Field Theory.—The theory of starting, sprinting, distance running, hurdling, high and broad jumping, pole vaulting, shot putting, hammer, discus, and javelin throwing. Practical talks on the methods of preparing contestants for different athletic events; rules of competition; study of physical condition, including endurance, speed, and fatigue. Work is assigned for the promotion, management, and officiating of games and meets. (1). Mr. GILL

S11b. Track and Field Practise.—The principles discussed in S11a will be practised in the various sections. Mr. GILL, Mr. GRIFFITH

S12a. Basketball Theory.—Instruction will be given in basketball with the idea of fitting men to coach. The course will cover passing, goal throwing, dribbling, team play, how to condition a team, and the different styles of play used by the leading coaches. (1). Mr. WINTERS

S12b. Basketball Practise.—The principles discussed in S12a will be practised in the various sections. Mr. WINTERS, Mr. BEARG

S13a. Football Theory.—The theoretical work will take up the rules from the standpoint of coaching, players, and officials; the several styles of offense and defense with consideration of their special strengths and weaknesses; generalship and strategy; training; conditioning, and player's equipment. Professor ZUPPKE

S13b. Football Practise.—The practical work will include punting, drop kicking, place kicking, kickoff, and forward passing; tackling dummy and charging sled; special drills for linemen, ends, and backs; following the ball, interference, and team work; fundamental plays, freak plays, and signal systems.

S14. Training.—Theories of training, massage, treatment of sprains, bruises, etc.; bandaging and first aid. Lectures and practical work. This course should be taken by all who take S10, S11, S12, or S13. Mr. BULLOCK

S15. Calisthenics.—(Free Exercises). System, value, method, and progression. Typical lessons for corrective and responsive work. The use of wands, clubs, and dumbbells. Emphasis to be laid on progression and methods of presenting material. The simplest and most explanatory terminology. Theoretical and practical work. (1/2). Mr. SCHUETTNER

S17. Gymnastics.—Theory and practise in elementary exercises on heavy apparatus; mats, horse, horizontal bar, rings, and parallel bars. Accuracy of form and execution emphasized. The chief purpose is to teach a large variety of rapid mass work adapted to the average class. The laws of gymnastic progression. Nomenclature and analysis of exercise. Theory and practise. (1/2). Mr. SCHUETTNER

S19. Organization and Administration.—Includes lectures on purposes of physical education, methods, and tests; organization of a department; administration; paper work. (1). Mr. GRIFFITH

S21. Gymnastic Dancing.—Theory and Practise. System, progression, and method of presenting gymnastic dance steps for class or individual instruction. Theory, personal proficiency, and practise teaching. (1). Mr. SCHUETTNER

S24. Swimming: Theory and Practise.—Includes confidence methods, breast stroke, side stroke, crawl stroke, back stroke, diving, water basketball, water polo, and life saving.

BACTERIOLOGY

Associate Professor TANNER; Mr. THOMPSON, Mrs. MILLER

Major: 20 hours chosen from the courses offered by this department. Five hours may be chosen from the following courses offered by other departments: dairy husbandry (dairy bacteriology), and agronomy (soil biology).

Minors: 20 hours chosen from two of the following: chemistry, botany, zoology, physiology.

The prerequisite for graduate work in the department of bacteriology is 10 semester hours of bacteriology and 15 semester hours of some physical or biological science. Certain courses in the departments of agronomy, botany, chemistry, and dairy husbandry are required of students who are candidates for the doctor's degree.

Courses for Undergraduates

5a. Introductory Bacteriology and Sanitary Science. Lectures.—Assigned readings, demonstrations, and recitations on bacteria, yeasts and molds; structure morphology, and systematic relationships; their significance in general sanitation, agriculture, home economics, communicable diseases, etc. (For those who wish an insight into matters of every day importance such as sterilization, disinfection, food poisoning, etc.). Designed to accompany Bacteriology 5b, but may be elected without it. (Not open to students who have taken Bacteriology 2). *I* or *II*; (2½). Associate Professor TANNER

Prerequisite: Sophomore standing; one semester of chemistry or consent of the instructor.

5b. Introductory Bacteriology. Laboratory.—Bacteriological technic; study of morphology and physiology of bacteria and certain related microorganisms; preparation of media and apparatus; staining; cultivation, etc. Designed to accompany Bacteriology 5a. *I* or *II*; (2½). Mr. THOMPSON and Mrs. MILLER

Prerequisite: Bacteriology 5a or concurrent registration in it; chemistry 2a, 3a or 4.

6. Bacteriology for Sanitary Engineers.—Bacteriological and microscopical methods applied to the examination of water and sewage. Theories and methods of filtration, sterilization and filter control. *I*; (2½). Mr. THOMPSON

Prerequisite: Chemistry 10b.

Courses for Advanced Undergraduates and Graduates

7. Theses and Special Problems.—Review of the literature and laboratory work on a special assigned subject. *I, II*; (2-3). Associate Professor TANNER

Prerequisite: Junior standing, 10 hours of bacteriology or consent of the instructor.

8. Food Bacteriology.—Decay of organic matter in nature; soil and sewage bacteria; water bacteria; foods; food poisoning; laboratory lectures; discussions; assigned readings and reports. *II*; (5). Associate Professor TANNER and Mrs. MILLER

Prerequisite: Junior standing, Bacteriology 5a and 5b, or their equivalents; and the consent of the instructor.

10. Epidemiology.—The ways in which communicable diseases are spread; methods of control; lectures, assigned reading, special problems. *I*; (2).

Associate Professor TANNER

Prerequisite: Junior standing; Bacteriology 5a and 5b; consent of the instructor.

18a-18b. Journal Meeting.—Required of all students who major in bacteriology. *I, II*; (1). Associate Professor TANNER

Prerequisite: Junior standing; 5 hours of bacteriology.

20. General Bacteriology.—(For advanced undergraduates and graduates). Laboratory methods; technic of cultivation; study of morphology and physiological activities. Laboratory, lectures, assigned readings, reports. *I*; (5).

Associate Professor TANNER and Mr. THOMPSON

Prerequisite: Two years of college chemistry; senior standing; consent of the instructor.

26. Pathological Bacteriology.—Cultural and morphological studies of disease producing organisms. Recommended that students who take this laboratory course elect Bacteriology 10 at the same time. *I*; (3).

Associate Professor TANNER and Mr. THOMPSON

Prerequisite: Bacteriology 5a and 5b; Junior standing and consent of the instructor.

Courses for Graduates

103. Physiology of Bacteria.—Fermentation; growth and death; lectures, assigned readings and reports. *I*; (1 unit). Associate Professor TANNER

105. A continuation of Bacteriology 103 with special emphasis on classification; variability of species, characters; mutation; life cycles; standard and biometrical classification; the large groups. *II*; (1 unit). Associate Professor TANNER

107. Research in Bacteriology.—This course is intended for those who are taking a major in bacteriology either for the Master's or Doctor's degree. *I* or *II*; (1-4 units).

Summer Session Courses

NOTE.—The courses offered in the Summer Session are equivalent to courses of the same numbers given during the academic year and have the same prerequisites.

Courses for Undergraduates and Graduates

S5a. Introductory Bacteriology and Sanitary Science.	Associate Professor TANNER
S5b. Introductory Bacteriology, Laboratory.	Associate Professor TANNER
S7-S107. Research.	Associate Professor TANNER

BANKING

(SEE ECONOMICS.)

BIOLOGY

(SEE BOTANY, ENTOMOLOGY, PHYSIOLOGY, and ZOOLOGY.)

BOTANY

Professors TRELEASE, HOTTES, STEVENS; Assistant Professor McDUGALL; Dr. HAGUE, Mr. MENDOZA, Mr. WEINARD, Mr. BYRD, Mr. PLUNKETT, Mr. ABBOTT, Miss DOWELL, Mrs. NUTTALL, Miss PLEASANTS, Miss RYAN, Miss FREEMAN, Miss FUHR, Miss BUNTING, Mr. YOUNG, Mr. DIXON.

Major: 20 hours exclusive of Botany I and 4, preferably made up of courses grouped along one of six lines, according to the suggestions given below.

Minor: 20 hours chosen from chemistry, entomology (exclusive of 1a and 1b), geology, physics, physiology, and zoology, in consultation with the department of botany. At least eight hours must be offered in one subject.

Courses offered are of four types; the first intended to meet the needs of beginners; the second laying a foundation for methods of accuracy in observation, manipulation, and experimentation through the study of some fundamentally important subdivision of the science; the third giving practise in methods of investigation by the study of advanced problems varied to suit the needs and interests of the student; and the fourth teaching independent research by means of thesis subjects leading to the discovery of new facts or laws.

The work of any semester may be credited separately except when a problem is left incomplete in one of the courses open to graduates.

For the convenience of undergraduates in the College of Liberal Arts and Sciences who elect major work in botany the following combinations of courses are suggested:—(a) General; 2a, 4a, 23, 27a, and 27b; (b) Specializing in morphology; 2a, 2b, 3a, 4a or 24, and 29; (c) Specializing in pathology; 2a or 3a, 7a, 7b, 28a or 28b, 4a or 17a-17b; (d) Specializing in physiology; 3a, 27a-27b, 9a or 9b; (e) Specializing in taxonomy; 2a, 4a, 16b, or 17a-17b, or 26, or 28a-28b; (f) Specializing in ecology; 4a, 23, 24, 25a-25b, and 27a.

Students taking botany as a foundation for agronomy or horticulture are advised to select courses 27a, 4a, 7a, and advanced work on some special topic or topics under courses 7b, 9, 17a-17b, or 22b. Students who expect to teach botany are advised to elect 2a, 4a, 23, 27a, 30, and advanced work in one or more of the special courses 9a-9b, 16b, 17a-17b, or 25a-25b.

The prerequisite for major work in botany in the Graduate School is 20 semester hours in botany or 15 hours in botany plus 5 hours in zoology or entomology.

Courses for Undergraduates

1. **General Botany.**—The structure, physiology, natural history, and uses of plants. Lectures, quiz, laboratory. I or II; (5).

Professor TRELEASE and Assistant Professor McDUGALL, and assistants

2a. **Morphology of Thallophytes and Bryophytes.**—Comparative laboratory study of types of the lower plants.

This and the following course are intended to give personal acquaintance with the vegetable kingdom through the study of living types selected so as to present in natural

sequence the increasing complexity of structure and function which marks evolutionary development. *I*; (5). Dr. HAGUE

Prerequisite: Botany 1.

2b. Morphology of Cormophytes.—Comparative laboratory study of selected types of the higher plants. *II*; (5). Dr. HAGUE

Prerequisite: Botany 1.

3a. Plant Anatomy Histology, and Technic.—The foundation of an exact knowledge of plant structure, especially of protoplasts and their parts and of the behavior and relations of the nucleus; the best methods of fixing, sectioning, staining, and examining tissues, modeling from serial sections, and photo-micrography. *II*; (3), not given in 1921-22. Professor HOTTES

Prerequisite: Botany 1.

4. The Local Flora.—Morphology, identification, and classification of wild plants. A laboratory and field course for students desiring personal acquaintance with the plants of Illinois, and especially for those qualifying as teachers in the public schools. *II*; (3). Dr. HAGUE

Prerequisite: Entrance botany or its equivalent.

4a. Taxonomy of Cormophytes.—Structure, identification, and classification of higher plants. Laboratory studies chiefly of flowering plants. *II*; (3). Professor TRELEASE

Prerequisite: Botany 1.

4d. Trees and Shrubs of the Campus.—The woody plants most used for decorative purposes. *I*; (3). Professor TRELEASE

Prerequisite: Botany 1.

7a.¹⁻² Plant Pathology.—Casual agents, symptoms, diagnosis, and treatment, *I*, *II*; (3). Professor STEVENS

Prerequisite: Botany 1.

23. Plant Ecology.—The life of plants in their natural habitats, in relation to environment, to animals, and to each other. Lectures; laboratory; field work. *II*; (3). Assistant Professor McDUGALL

Prerequisite: Botany 1.

24. Mushrooms.—Structure, identification, classification, and ecological relations. Special attention is given to edible and poisonous mushrooms. Lectures: laboratory; field work. *I*; (3). Assistant Professor McDUGALL

Prerequisite: Botany 1.

27a. Plant Physiology.—The absorption of materials from the external world and their transformation within the organism; the production and use of food. *I*; (5). Professor HOTTES

Prerequisite: Botany 1.

27b. Plant Physiology.—The response of the plant to external stimuli. *II*; (3). Professor HOTTES

Prerequisite: Botany 1.

30. Methods of Teaching.—Participation in elementary laboratory instruction and in conferences of department staff; seminar. *I*; (2). Professor TRELEASE and Assistant Professor McDUGALL

Prerequisite: 15 hours of botany; senior standing.

Courses for Advanced Undergraduates and Graduates

Candidates for advanced degrees in botany must offer for admission to the graduate courses 20 hours of college work in botany or 15 hours in botany plus 5 hours in zoology or entomology.

Graduate students who elect botany for minor credit must meet the prerequisite for courses which they take for graduate credit.

7b. Methods in the Study of Fungi.—Methods of isolation, cultivation, and inoculation of fungi and bacteria. *II*; (5). Professor STEVENS

Prerequisite: 10 hours of botany, including Botany 7a; junior standing.

9a-9b. Plant Anatomy or Physiology.—Problems for those specializing either in anatomy with technic, or in physiology, or in the application of these to plant breeding, crop production, and forestry. *I*, *II*; (3 to 5).¹ Professor HOTTES

Prerequisite: 10 hours of botany, including Botany 27a or 27b; junior standing.

¹In registering for a course with variable credit hours, a student must put down on his study list, *not* the possible hours as shown here, but the number of hours for which he intends to take the course; e. g., not 2-5, but 2, or 3, or 4, or 5.

16a. Taxonomy and Morphology of Algae and Bryophytes.—Advanced practise on selected groups. *II*; (3 to 5).¹ Dr. HAGUE

Prerequisite: 10 hours of botany, including 2a or 4b; junior standing. For graduate students in chemistry, 5 hours of biology and 10 hours of physical science, including manipulation of instruments, or 15 hours of physical science.

17a-17b. Taxonomy of Cormophytes.—Advanced practise on selected taxonomic or economic groups; genera or families of Illinois plants, or plants economically important as weeds, forest resources, adjuncts to medicine, farm, orchard, or garden crops, or as the basis of floriculture, landscape architecture, street shading, or other decorative planting. *I, II*; (3 to 5).¹ Professor TRELEASE

Prerequisite: 10 hours of botany, including 4a; junior standing.

22a. Morbid Histology.—The parasites of plant tissues and their histology in condition of disease. *I*; (3 to 5).¹ Professor STEVENS

Prerequisite: Botany 3a and 7a; junior standing.

22b. Groups of Fungi and Crop Disease.—*II*; (3 to 5).¹ Professor STEVENS

Prerequisite: 10 hours of botany, including 7a; junior standing.

25a-25b. Plant Ecology.—Advanced studies in the ecology of plants or of plant communities. *I, II*; (3 to 5).¹ Assistant Professor McDUGALL

Prerequisite: Botany 23 and 27a; junior standing.

26. Taxonomy and Ecology of the Higher Fungi.—Collection and identification. Lectures on classification and ecology. *II*; (3). Assistant Professor McDUGALL

Prerequisite: 10 hours of Botany including 7a or 24; junior standing.

28a-28b. Taxonomy of Economic Fungi.—Advanced practise on selected groups of parasitic fungi. *I, II*; (3 to 5).¹ Professor STEVENS

Prerequisite: 10 hours of botany, including 7a; junior standing.

29a. Comparative Morphology of Pteridophytes, Gymnosperms, and Angiosperms.—*I*; (3). Dr. HAGUE

Prerequisite: 10 hours of botany, including 2b or 4a; junior standing.

31a-31b. Thesis Course.—*I, II*; (2). Arrange with appropriate member of the department.

Prerequisite: 15 hours of botany.

32a-32b. Honors Course.—*I, II* (2). Arrange with appropriate member of the department.

Prerequisite: 15 hours of botany.

Courses for Graduates

101. Individual Plant Development.—The influence of external agents on the cell. Special subjects for investigation are assigned on consultation. Reports and discussions of current literature and research results. *I, II*; ($\frac{1}{2}$ to 2 units). Professor HOTES

102. Physiology.—The effects of external stimuli on growth and movement. Special subjects for investigation are assigned on consultation. Reports and discussions of current literature and research results. *I, II*; ($\frac{1}{2}$ to 2 units). Professor HOTES

104. Mycology.—Fungi. Individual assignments of subjects and problems in field and laboratory. *I, II*; ($\frac{1}{2}$ to 2 units). Professor STEVENS

106. Plant Pathology.—Diseases of plants, and disease agents. Special subjects are assigned upon consultation. *I, II*; ($\frac{1}{2}$ to 2 units). Professor STEVENS

107. History of Botany.—A conference course with lectures and reading. *I*; ($\frac{1}{2}$ unit). Given in 1921-22 and in alternate years. Professor TRELEASE

108. Taxonomy.—Monographic studies of critical groups. *I, II*; ($\frac{1}{2}$ to 2 units). Professor TRELEASE

109. Ecology.—The interrelations of plants with their environment. Individual subjects for investigation. *I, II*; ($\frac{1}{2}$ to 2 units). Assistant Professor McDUGALL

110. Current Botanical Literature.—Weekly review. (Required of graduate students whose major is botany). *I, II*; ($\frac{1}{4}$ unit). The Staff

Summer Session Courses

(For description of courses, wholly or in part, see corresponding numbers in the description of courses in the regular session).

¹In registering for a course with variable credit hours, a student must put down on his study-list *not* the possible hours, as shown here, but the number of hours for which *he* intends to take the course; e.g., not 2-5, but 2, or 3, or 4, or 5

Courses for Undergraduates

- S1. General Botany.—(4). Mr. PORTER
 S27a. Plant Physiology.—(4). Professor HOTTES

Courses for Advanced Undergraduates and Graduates

- S9b. Plant Physiology.—(2 to 4). Professor HOTTES

Courses for Graduates

- S102. Plant Physiology.—($\frac{1}{2}$ to 2 units). Professor HOTTES

BUSINESS LAW

(See BUSINESS ORGANIZATION AND OPERATION.)

BUSINESS ORGANIZATION AND OPERATION

(Including ACCOUNTANCY and BUSINESS LAW)

Professors SCOVILL, MOREY; Associate Professors FILBEY, RUSSELL; Assistant Professors LITTLETON, BAUER, BAILY; Mrs. SAUNDERS, MR. DILLAVOU, MR. SCHLATTER, MR. HARRIS, MR. DAVIDSON, MR. HAM, MR. BEACH, MR. COBB, MR. TAYLOR, MR. CRABB, MR. FJELD, MR. TOLMAN, MR. MANDEVILLE, MR. IDE, MR. RABENAU, MR. GOODWILL, MR. MCINTYRE, MR. GRIFFITH, MR. HITE, MR. JOHNSON. Cooperating: MR. CUNNINGHAM, MR. ROTH, MR. RASMUSSEN, MR. MATHEWS.

A. ACCOUNTANCY

Courses for Undergraduates

1a-1b. Principles of Accounting.—Accounting and bookkeeping; double entry; fundamental accounts and books. *Students who present one unit of bookkeeping for entrance will not be allowed credit for 1a and should register in 1e.* Except in case of such students, credit is not given for either 1a or 1b separately. I, II; (3).

Assistant Professor BAILY, MR. SCHLATTER, MR. HAM, and Assistants

1e. Principles of Accounting.—Similar to Accountancy 1b preceded by a review of Accountancy 1a offered for the benefit of those who present one unit entrance credit in bookkeeping. I or II; (4).

Mr. HARRIS

Prerequisite: One unit entrance credit in bookkeeping.

2a-2b. Intermediate Accounting.—Fundamentals of cost accounting, theory of partnership and corporation accounts, depreciation, goodwill, reserves, and sinking funds; special financial statements, reading balance sheets, illustrative problems. I, II; (3).

Associate Professor FILBEY, MR. SCHLATTER, MR. HARRIS, and Assistants

Prerequisite: Accountancy 1b or 1c; registration or credit in Economics 1.

11. Farm Accounting.—The principles of accounting and distribution of costs as applied to farm operations; proper investment of funds. I or II; (4).

Professor SCOVILL, MR. SCHLATTER, MR. HARRIS, MR. ROTH

Prerequisite: Open only to students in agriculture who have had Economics 1 or 2.

Courses for Advanced Undergraduates and Graduates

3a-3b. Advanced Accounting and Auditing.—Advanced theory, consolidated balance sheets; liquidation; the auditor's duties; schedules and reports. I, II; (3).

Professor SCOVILL, Associate Professor FILBEY, Assistant Professor LITTLETON

Prerequisite: Accountancy 2a-2b; Economics 3, and average of "C" or better in Accountancy 1 and 2. (Accountancy 3a may be taken without 3b.)

4a-4b. Cost Accounting and Systems.—First Semester: (a) Cost accounting applied to factory procedure, overhead expense, the installation and control of cost systems, presentation of cost data; (b) as a basis for manufacturing efficiency; (c) the construction of cost systems. Second Semester: Systems of various specialized businesses as banks, building and loan associations, insurance companies, brokers and the several types of public utility corporations. The work of either semester may be taken separately. I, II; (2).

Professor SCOVILL, Assistant Professor BAILY

Prerequisite: Accountancy 2a-2b; Economics 3.

5a-5b. C. P. A. Problems.—Representative problems of various types, including questions on theory and auditing. I, II; (3).

Professor SCOVILL

Prerequisite: Accountancy 3a-3b

13. Governmental Accounting.—Accounts and systems of institutions and municipalities, and of the State and Federal governments. Organization; procedure; budget, accounts and records, reports, audits; purchasing and storekeeping; training for Federal Service. *I, or II; (2).* Professor MOREY

Prerequisite: Credit or concurrent registration in Accountancy 3a.

20. Income Tax Procedure.—Application of the requirements of the Federal income, excess-profits and war-profits taxes. *II; (2).* Associate Professor FILBEY

Prerequisite: Registration or credit in Accountancy 3b; senior standing.

Courses for Graduates

The courses for graduates only may be selected by those who have had approximately 15 university accounting credits including Accountancy 3a or its equivalent. Accountancy 4a is a prerequisite for 104; 3b for 110; 13 for 113; and 20 for 120.

103. Advanced Theory and History.—The most prominent accounting theories analyzed and their historical development studied with reference to the requirements of economic principles and business activities. *I, II; (One unit).* Not given in 1921-22. Assistant Professor LITTLETON

104. Accounting Systems.—Analysis of operations of industrial and mercantile enterprises of various types and the designing of adequate accounting systems therefor. *I, II; (One unit).* Professor SCOVILL

110. Accounting Reports.—Methods of presenting reports of audits, investigations and operations. Interpretation of accounting data. *II; (One unit).* Associate Professor FILBEY

113. Governmental Accounting.—A study of the requirements of accounting for federal, state, municipal and institutional bodies. *II; (One unit).* Not given in 1921-22. Professor MOREY

120. Income Tax Development.—A comparative study of the accounting features of the income tax acts of England, the United States, and of the several states. Accounting intricacies of the present federal act. *I; (One unit).* Not given in 1921-22. Associate Professor FILBEY

129. Thesis.—*I, II; (One unit):* Members of the staff.

Summer Session Courses

S1b. Principles of Accounting.—(3). Mr. CRABB
Equivalent: 1b.

Prerequisite: Accountancy 1a.

S2a-2b. Intermediate Accounting.—(6).

Associate Professor FILBEY, Assistant Professor BAILY

Equivalent: 2a-2b.

Prerequisite: Accountancy 1b or 1c; registration or credit in Economics 1.

S15. Teacher's Course in Bookkeeping.—Methods of approach in teaching; conduct of laboratory work; explanation of difficult transactions; logical development and treatment of columnar books, notes and drafts; interest, discount, controlling accounts, specialized books and records, inventories and financial statements. Lectures on different systems in use. General philosophy of accounts. (2). Assistant Professor LITTLETON

Prerequisite: A knowledge of elementary bookkeeping.

B. BUSINESS ORGANIZATION AND OPERATION

Courses for Undergraduates

1. Business Organization and Operation.—Individual proprietorship, partnership, and corporation; the process of organizing a business; organization for operation and the reaction of form of organization efficiency; gradation and interrelation of divisions and departments; departmental responsibility and authority, routine, and discipline. *I or II; (3).* Associate Professor RUSSELL, Mr. TOLMAN, and Assistants

Prerequisite: Economics 1; Accountancy 1a-1b.

2. Marketing Organization and Operation.—Methods and problems involved in marketing raw materials and manufactured products. *I or II; (3)*

Associate Professor RUSSELL, Mr. HAM, and Assistants

Prerequisite: Business Organization and Operation 1.

7. Salesmanship.—Policies and practise of modern sales organizations; selling problems of manufacturers, wholesalers, and retailers, management of salesmen; the practise of individual salesmen. *I; (2).* Associate Professor RUSSELL

Prerequisite: Business Organization and Operation 2; Senior standing.

8. Advertising.—Principles of current practise; cooperation of advertising and personal selling; special problems; planning sales campaigns; choice of media; space buying; and practise in writing copy. *II*, (2). Associate Professor RUSSELL

Prerequisite: Business Organization and Operation 7.

9. Civic and Commercial Organizations.—Their place and importance in the community; their relationship to the business men and the general public with emphasis upon the duties of the commercial organization secretary. *I*, (2). Mr. RASMUSSEN

Prerequisite: Business Organization and Operation 2; Senior standing.

[10. Newspaper Advertising.—Designed primarily for students specializing in journalism. Organization and operation of newspaper advertising department; methods of obtaining and handling advertising; the newspaper as an advertising medium. *II*, (3). Not given in 1921-22.

Prerequisite: Journalism I and 2.]

For Business Correspondence see Rhetoric 10.

Mrs. SAUNDERS

[30. Typography and Printing.—(1) Introduction to History; (2) Type; (3) Paper; (4) Ink; (5) Processes; (6) Machinery and utensils; (7) Format. *I*, (1) Not given in 1921-22. Director CUNNINGHAM

Prerequisite: Business Organization and Operation 2; and the consent of the instructor.]

Courses for Graduates and Advanced Undergraduates

4. Industrial Organization and Management.—Problems of organization and of administrative policy; supervision and management of industries and industrial units. *I*, (3). Mr. TOLMAN

Prerequisite: Business Organization and Operation 2. Senior engineering students who have had Economics 1 or 2 may be admitted by permission of the instructor.

Courses for Graduates

To register in the graduate courses one must have had at least five semester hours' credit in the principles of economics; also courses in Business Organization and Operation 1 and 2 or the equivalent. Business Organization and Operation 5 is a prerequisite for 102.

101. Marketing Policies and Problems.—Federal, state, and local regulation of mercantile business; unfair competition; trade agreements; trade marks; inspection of mercantile establishments; pure food acts; control over weights and measures, packing, storage, and shipment. *I, II*; (One unit). Associate Professor RUSSELL

[102. Scientific Management.—The history of the scientific management movement; critical study of the proposed systems. *I, II*; (One unit). Not given, 1921-22.]

129. Thesis.—Time to be arranged. *I, II*; (One unit.)

Associate Professor RUSSELL

Summer Session

S1. Business Organization and Operation.—Equivalent: Business Organization and Operation 1. (3). Mr. SCHLATTER

Prerequisite: Economics 1 and Accountancy 1a-1b.

C. BUSINESS LAW

Courses for Undergraduates

1a-1b. Commercial Law.—Principles underlying the law of contracts, negotiable instruments, agency, partnerships, business corporations, sales of personal property, bailments and carriers, guaranty and suretyship, and insurance. *I, II*; (3). Dr. BAUER, Dr. DILLAVOU, and Mr. DAVIDSON

Prerequisite: Sixty hours of university credit, including Economics 1 and Accountancy 1a-1b.

2. Elementary Law.—Contracts; leases; property. Open only to students in agriculture who have credit in Economics 1 or 2. *I* or *II*; (3)

Dr. BAUER, Mr. DAVIDSON

For Graduates and Advanced Undergraduates

10. Law of Security Relations and Banking.—Suretyship; mortgages; pledges; personal property; real property; insurance; bankruptcy; banking. *II*; (2).

Prerequisite: Business Law 1a-1b, with average of C or more.

Dr. BAUER

Summer Session

S2. Commercial Law.—Equivalent, Business Law 2. (2).

Prerequisite: Economics 1 or 2.

Dr. BAUER, Mr. SCHLATTER

CERAMIC ENGINEERING

Professors WASHBURN, PARMELEE; Associate Professor HURSH; Dr. BUNTING, Mr. LIBMAN, Mr. BOURNE, Mr. SHELTON.

The courses offered by the department of ceramic engineering are designed to give a technical knowledge of the composition and properties of materials used in the manufacture of clay wares, abrasives, cements, glasses, and enamels, and to acquaint the student with the construction, equipment, and operation of ceramic plants.

Graduates of courses other than ceramic engineering who have the necessary prerequisites may take the following courses for minor credit: 3, 4c, 5, 6, 8, 10, 13, 15, 16, 19, 20, and 21.

Courses for Undergraduates

1. Ceramic Materials.—The properties of clays and other ceramic materials; the identification of the varieties met in practical work. Lectures; laboratory. *I*; (3).

Professor PARMELEE, Mr. LIBMAN

Prerequisite: Chemistry 4.

2. Winning and Preparation of Clays.—Machinery and processes used in preparing clay for market or manufacture; comparative costs of the different methods. *II*; (3).

Associate Professor HURSH

Prerequisite: Ceramic Engineering 1.

3. Industrial Calculations.—Chemical and physical calculations applying to the operation of furnaces, kilns, and dryers, temperature measurements. *II*; (3).

Associate Professor HURSH

Prerequisite: Ceramic Engineering 1; Physics 1a-1b and 3a-3b.

4c. Drying and Burning.—The chemical and physical processes involved and types of equipment used in drying and burning ceramic products. *I*; (5).

Associate Professor HURSH

Prerequisite: Ceramic Engineering 1, 3.

5. Ceramic Bodies.—Composition and properties of ceramic body mixtures; effects of various ingredients; development of special bodies. Lectures; laboratory. *II*; (5).

Professor PARMELEE, Mr. LIBMAN

Prerequisite: Ceramic Engineering 1, 2.

6. Glazes.—The various classes of glazes and enamels; the composition, limits, properties, and defects. Lectures; laboratory. *I*; (6). Professor PARMELEE, Mr. LIBMAN

Prerequisite: Ceramic Engineering 3, 5.

[8. Glass Technology.—The chemistry and physics of the silicate glasses and their preparation. Industrial methods. Lectures, assigned reading, discussion. *II*; (2).

Not given 1921-22.

Professors WASHBURN and PARMELEE

Prerequisite: Chemistry 31.]

9. Ceramic Construction.—Plans, specifications, and estimates for ceramic equipment and industrial plants. *II*; (4).

Associate Professor HURSH

Prerequisite: General Engineering Drawing 1 or 4; Ceramic Engineering 3, 4c.

10. Cements.—Cements, limes, plasters; composition, reactions; methods of manufacture and testing. *I*; (3).

Mr. LIBMAN

Prerequisite: Ceramic Engineering 1, 2, 3.

97 or 98. Thesis.—*II*; (3 to 5).

Professor WASHBURN, Professor PARMELEE, Associate Professor HURSH

12. **Designing and Shaping.**—Die construction; templates, master and working molds for pressing, casting, and jiggering. *I; (3).*

Professor PARMELEE, Associate Professor HURSH

Prerequisite: Ceramic Engineering 1, 2.

13. **Cement Laboratory.**—The preparation of silicate cements and the study of their properties. *II; (3).*

MR. LIBMAN

Prerequisite: Ceramic Engineering 10.

14. **Glass Laboratory.**—Soda-lime, potash-lime, lead, barium, and zinc silicates; borosilicates; properties of fused and solidified glasses; practical glass problems. *II; (3).* Not given in 1921-22.

Professor WASHBURN

Prerequisite: Registration in Ceramic Engineering 8.]

16. **Enamels.**—The various types of enamels, their composition, application, properties, and testing. Lectures, laboratory. *II; (3).*

Professor PARMELEE

Prerequisite: Ceramic Engineering 6.

17a. **The Principles of Physical Chemistry with Special Reference to their Applications to Ceramic Materials and Processes.**—Lectures; discussions; assigned reading. *I; (1)*

Professor WASHBURN

Prerequisite: Ceramic Engineering 1, 3, or equivalent; Mathematics 8 or 7 or 9; Registration in Chemistry 31.

19. **Special Bodies.**—An intensive study of body preparation; the composition, preparation, properties, uses and testing of selected types of bodies. Lectures; assigned reading, laboratory. *II; (3).*

Professor PARMELEE

Prerequisite: Ceramic Engineering 5.

20. **Refractory Materials.**—The properties and uses of refractory materials employed in the industries; relation between refractory power, chemical composition and physical condition; changes undergone by refractory materials at high temperatures. The subject will be presented as far as possible from the standpoint of the Phase Rule. Lectures, discussions, assigned reading. *II; (2).*

Professor WASHBURN

Prerequisite: Chemistry 31.

Ceramic Pyrometry.—Types of pyrometers, calibration, care, repair and use. Theory of high temperature measurement. *II; (1).*

MR. LIBMAN

Prerequisite: General physics, inorganic chemistry.

99. **Inspection Trip.**—Visits to industrial plants representative of various phases of ceramic work. *I; (no credit).*

Prerequisite: Senior standing.

Courses for Graduates

Graduate work leading to the degrees of Master of Science and Doctor of Philosophy in chemistry (ceramic chemistry) and Master of Science in ceramic engineering is offered by the department. Students who have specialized in chemistry, chemical engineering, or ceramic engineering during their undergraduate work will ordinarily be qualified to enter on graduate work leading to higher degrees in ceramic chemistry, while students who have specialized in mechanical engineering, ceramic engineering, or chemical engineering in their undergraduate work will ordinarily be qualified to pursue graduate work leading to the higher degree in ceramic engineering. Graduate students who wish to elect ceramic chemistry as their major field of study must have had the equivalent of twenty-five semester hours in chemistry and this must include satisfactory courses in general chemistry, qualitative and quantitative analysis, and either physical or organic chemistry. Such students must also have had at least one year of college physics and training in mathematics which includes calculus.

Candidates for the degree of Doctor of Philosophy with their major field of study in ceramic chemistry must fulfill the same general requirements in chemistry as candidates in other branches of chemistry. Before receiving the degree of Doctor of Philosophy, all such candidates must demonstrate their ability to read French and German literature in their major subject.

101. **The Chemistry of the Compounds of Silicon.**—Seminar. *Twice a week; I, II; (3/4 unit).*

Professor WASHBURN

Prerequisite: Elementary courses in organic and physical chemistry.

102. **General Technology of the Clay Industries.**—An advanced course dealing with the physical properties of ceramic materials and products in the light of their dependence upon chemical composition, mineralogical constitution, and physical condition. Lectures, seminar and laboratory. *I, II; (1 to 2 units).*

Professor PARMELEE

Prerequisite: The elements of mineralogy and of physical chemistry

103. Silicon Chemistry.—A laboratory course to supplement Ceramic Engineering 101, which must precede or accompany it. *II; (1 to 2 units).* Professor WASHBURN

105. Technology of Glass.—Glassy silicates; limiting composition; physical and chemical properties of glasses and the dependence of these properties upon composition. Lectures and laboratory. *(1 to 2 units).* Professor PARMELEE

CHEMISTRY

Professors NOYES, PARR, ADAMS; Associate Professors LEWIS, HOPKINS, BEAL, BUSWELL, RODEBUSH; Assistant Professors REEDY, BRALEY, DIETRICHSON, KREMERS, LAYNG, PUTNAM; Dr. ENGLIS, Dr. PARR, Dr. MARVEL, Dr. CARVER, Dr. HURD, Dr. SOUTHER, Dr. NASON, Dr. PHIPPS, Dr. BRADLEY, Dr. NEVILLE, Dr. GREENFIELD, Mr. SMITH, Mr. PORTER, Mr. DRIGGS, Mr. JENKINS, Mr. EDWARDS, Miss SPARKS, Mr. ANDERS, Miss JUNKIN, Mr. BREDE, Mr. BARNES, Mr. PEET, Mr. BURNETT, Miss LOUGEE, Mr. BARNETT, Mr. WILSON, Mr. DREGER, Mr. NORTH, Miss HYDE, Mr. RASSWEILER, Mr. GRIFFITH, Mr. MOOSE, Mr. HORST, Mr. KOTEN, Miss BELL, Miss MUNN, Mr. NEVYAS, Mr. FOGLER, Mr. MCGINTY, Mr. CALVERY, Mr. BENNETT, Mr. PARKS, Mr. NELSON, Mr. ANDERSON, Mr. KING, Mr. BOND, Mr. LANGLEY, Mr. CHILES, Mr. INGERSOLL, Mr. PIERCE, Mr. STEVENS, Mr. DAVIS, Mr. BRITTON, Mr. GARDNER, Mr. GRAVES, Mr. WEBSTER, Mr. WIERDA, Mr. RUHLE, Mr. HOLTON, Mr. HIBBEN, Mr. MARICLE, Mr. CAUDLE, Miss DAVIS, Mr. HILL, Mr. VANDERVEER, Mr. SHIVE, Mr. SIMONS, Mr. SPERRY, Mr. MACHIN, Mr. BRODE, Mr. TOMECKO, Mr. HOFFMAN, Mr. JOHNS, Mr. HUDDLE. *Cooperating:* Professors GRINDLEY and WASHBURN; Dr. COLEMAN.

Major: 20 hours, exclusive of Chemistry I, 1a, 1b, 4, and 16, and inclusive of courses in quantitative analysis and organic chemistry.

Minors: 20 hours, chosen from bacteriology, botany, geology, mathematics, philosophy, physiology, physics, and zoology.

Students taking chemistry at the University are advised to give at least one year to the subject, and this should include Chemistry I or 1a, 2a or 3a. Those continuing in the second year should take Chemistry 5a and 5b, or 13a and 25. In the third year Chemistry 14a, 14b, 14c and 14d or 9 and 9c, 31, and 33 should be taken. With these, more special courses may be taken if desired, but students are not advised to take the special courses unless they have had the fundamental work represented by the selection given above. Students who desire a training for professional work in chemistry, either as teachers or in its industrial applications, should take the curriculum in chemistry, or in chemical engineering.

Students who find it impossible to take more than one semester's work are requested to register in Chemistry I or 1a in the second semester rather than in the first.

1. Inorganic Chemistry.—The non-metallic elements. *I or II; (5).* (*Seniors 3 hours only*).

Professor NOYES, Assistant Professor KREMERS, Assistant Professor REEDY, Dr. ROSALIE PARR, Dr. HURD, Dr. EDITH NASON, Dr. NEVILLE, Dr. PHIPPS, and assistants.

Prerequisite: One unit of entrance credit in physics, or 2½ units entrance credit in mathematics or registration in Mathematics 2 or 3.

NOTE:—Students who have received entrance credit for high-school chemistry are given only 3 hours credit for Chemistry I.

1a. Inorganic Chemistry.—Lectures; recitations; laboratory. For students who

Associate Professor HOPKINS in charge
Professor NOYES, Assistant Professor KREMERS, Assistant Professor REEDY, Dr. ROSALIE PARR, Dr. HURD, Dr. EDITH NASON, Dr. NEVILLE, Dr. PHIPPS, and assistants.

Prerequisite: One unit of entrance credit in chemistry.
have had one year of high-school chemistry. *I or II; (3).* (*Seniors 3 hours only*).

NOTE:—Students whose preparation proves to be inadequate for continuing this course will be required to change their registration to Chemistry I. Students who have not used their high-school chemistry for entrance may, upon petition, receive 5 hours credit for Chemistry 1a. Students who have failed in Chemistry I are permitted to register for Chemistry 1a and will receive 5 hours credit, on petition, if their final grade is C or above.

1b. Inorganic Chemistry.—Lectures; recitations; laboratory. (For students in engineering.) *I or II; (4).* (*Seniors 3 hours only*). Associate Professor HOPKINS in charge
Professor NOYES, Assistant Professor KREMERS, Assistant Professor REEDY, Dr. ROSALIE PARR, Dr. HURD, Dr. EDITH NASON, Dr. NEVILLE, Dr. PHIPPS, and assistants.

NOTE:—Students who have credit for high-school chemistry should register for Chemistry 1a.

2a. Inorganic Chemistry and Qualitative Analysis.—Chemistry and qualitative

analysis of the more common metals and inorganic compounds. Lectures; recitations; laboratory. *I* or *II*; (5). (*Seniors 3 hours only*).

Associate Professor HOPKINS, Assistant Professor REEDY, Assistant Professor KREMER, Dr. ROSALIE PARR, Dr. HURD, Dr. EDITH NASON, Dr. NEVILLE, Dr. PHIPPS, and assistants.

Prerequisite: Chemistry *I* or *1a*.

3a. Inorganic Chemistry and Qualitative Analysis.—For students in chemistry and chemical engineering. *II*; (5). (*Seniors 3 hours only*).

Associate Professor HOPKINS, Assistant Professor REEDY, Assistant Professor KREMER, Dr. ROSALIE PARR, Dr. HURD, Dr. EDITH NASON, Dr. NEVILLE, Dr. PHIPPS, and assistants.

Prerequisite: Chemistry *I* or *1a*.

4. Qualitative Analysis and Chemistry of the Metallic Elements.—Lectures; class and laboratory work. (For students in engineering.) *II*; (4). (*Seniors 3 hours only*).

Associate Professor HOPKINS, Assistant Professor REEDY, Assistant Professor KREMER, Dr. ROSALIE PARR, Dr. HURD, Dr. EDITH NASON, Dr. NEVILLE, Dr. PHIPPS, and assistants.

Prerequisite: Chemistry *1a* or *1b*.

5a. Elementary Quantitative Analysis.—Gravimetric and volumetric analysis; stoichiometrical relations and the application of the fundamental laws of chemistry to quantitative analysis. Lectures; recitations; laboratory. *I* or *II*; (5).

Associate Professor BEAL, in charge, Assistant Professor BRALEY, Dr. ENGLIS, Mr. SMITH and assistants.

Prerequisite: Chemistry *2a*, or *3a*, or *4*.

5b. Quantitative Analysis.—(Continuation of Chemistry *5a*). Analysis of silicates, ores, and alloys; advanced qualitative analysis. Lectures; recitations; laboratory. *II*; (5).

Associate Professor BEAL in charge, Assistant Professor BRALEY, Dr. ENGLIS, Mr. SMITH and assistants.

Prerequisite: Chemistry *5a*.

6. Chemical Technology.—Technological chemistry as illustrated in those industries having a chemical basis for their principal operations and processes; trade journals. Lectures; recitations. *II*; (3).

Assistant Professor PUTNAM

Prerequisite: Chemistry *5a* and *14a*.

7. Metallurgy.—General metallurgy; metallurgy of iron and steel. Lectures; assigned reading; recitations. *I*; (3).

Assistant Professor PUTNAM

Prerequisite: Chemistry *5a*. (Senior students in engineering courses may be admitted to this course by special arrangement, without this prerequisite).

7a. Metallurgy of the Non-Ferrous Metals.—Copper, lead, zinc, gold, and silver. *II*; (3).

Assistant Professor PUTNAM

Prerequisite: Chemistry *7*.

9. Elementary Organic Chemistry.—Important compounds of carbon. *II*; (3).

Dr. MARVEL

Prerequisite: Chemistry *2a* or *3a*.

9c. Elementary Organic Chemistry.—(Laboratory to accompany Chemistry *9*). *II*; (2).

Dr. MARVEL, Dr. SOUTHER, and assistants

Prerequisite: Chemistry *2a* or *3a*; registration in Chemistry *9*.

10a. Water Chemistry.—History, sources, contamination, and standards of purity of potable waters and waters for industrial purposes. Lectures; practise in analytical methods. *II*; (3).

Associate Professor BUSWELL, Dr. GREENFIELD

Prerequisite: Chemistry *5a* or *13a*.

10b. Chemistry of Water and Sewage.—The chemical analysis of potable waters and waters for industrial purposes. Lectures on the history, sources, contamination, and standards of purity. Chemical analysis of sewage and effluents from sewage treatment plants, for students in sanitary engineering, registered in connection with Civil Engineering *53*. *I*; (2½).

Associate Professor BUSWELL, Dr. GREENFIELD

Prerequisite: Chemistry *4*.

10d. Sanitary Chemistry and Limnology.—Laboratory control of water and sewage purification plants. Discussion of the biological, biochemical and colloidal reaction in sewage purification processes. Colloidal reactions in water treatment. Water softening. The diurnal and annual temperature cycles in lakes and reservoirs, spring and fall overturning. The determination of dissolved gases and their relation to microscopic growths.

¹Certain required inspection trips will be arranged in connection with courses *6* and *7*. Students registered in these courses should take into consideration the expense involved, which will not exceed \$15.00 for each course.

Study and identification of microscopic organisms occurring in reservoirs and sewage filters. (For students in Sanitary Engineering.) *II*; (3).

Associate Professor BUSWELL, Dr. GREENFIELD

Prerequisite: Chemistry 4 and 10b; Bacteriology 6.

11a-11b. Thesis.—Thesis, embodying a review of the literature of the subject, account of work done in the laboratory. The subject should be determined upon and reading begun in the junior year. A minimum of five semester hours is required. (Required of seniors in chemistry and chemical engineering). *I, II*; (3 to 5).¹ Professor NOYES in charge.

Prerequisite: Chemistry 5a, 14a, and 31, or the consent of the departmental committee.

12. Chemistry of Colloids. Laboratory exercises employing special apparatus and technic involved in the investigation of colloid systems. Discussion of systems of classification and the various theories proposed for the explanation of reactions of colloid systems. Practical application. *I*; (2-3); ($\frac{1}{2}$ unit). Associate Professor BUSWELL, Dr. GREENFIELD

Prerequisite: Chemistry 5a, 14b and 31 or consent of the instructor.

13a. Elementary Quantitative Analysis.—Gravimetric and volumetric analysis, fertilizer and milk analysis. Lectures; recitations; laboratory. (For students in agriculture). *I* or *II*; (5). Assistant Professor BRALEY, Dr. ENGLIS and assistants

Prerequisite: Chemistry 2a or 3a.

[13b. Advanced Agricultural Analysis.—Special methods in agricultural analysis; theory of the determinations; preparation of solutions; sampling; calculations. *II*; (5). Not given in 1921-22. Associate Professor BEAL

Prerequisite: Chemistry 5a or 13a.]

14a-14b. Organic Chemistry.—Lectures; recitations. *I, II*; (3). Professor NOYES

Prerequisite: Chemistry 5a; should be accompanied by Chemistry 14c and 14d.

14c. Organic Chemistry (Laboratory Work).—Organic synthesis. *I* or *II*; (2).

Dr. MARVEL, Dr. SOUTHER, and assistants

Prerequisite: Registration in Chemistry 14a, or equivalent.

14d. Organic Chemistry (Laboratory Work).—Organic synthesis, quantitative and qualitative analysis. Continuation of Chemistry 14c, to accompany Chemistry 14b. *I* or *II*; (2). Dr. SOUTHER, and assistants

Prerequisite: Chemistry 14a, 14c; registration in Chemistry 14b, or equivalent.

15. Physiological Chemistry.—Enzymes; carbohydrates; salivary digestion; gastric digestion; fats; pancreatic digestion; intestinal digestion; bile; putrefaction products; feces; blood; milk; epithelial and connective tissues; muscular tissue; nervous tissue; urine. Qualitative and quantitative work on gastric juice, blood, urine, and milk; the clinical aspects of these topics treated thoroughly for prospective students of medicine. Lectures; demonstrations; conferences; practical work; assigned reading. (Open to graduates and undergraduates). *I*; (5). Associate Professor LEWIS and assistants

Prerequisite: Chemistry 5a or 13a; 9 or 14a-14b.

15a. Problems of Metabolism.—Variations of metabolism in health and disease; chemistry of the ductless glands; chemical methods of diagnosis; micro-analysis of blood, tissues, and urine. Lectures; conferences; laboratory. *II*; (3).

Associate Professor LEWIS and assistants

Prerequisite: Chemistry 15.

16. Fuel, Gas, and Water Analysis for Engineers.—The proximate analysis of coal; determination of calorific value; technical analysis of furnace gases; examination of boiler waters; lubricating oils. (For students in engineering). *II*; (3).

Assistant Professor LAYNG, Dr. BRADLEY

Prerequisite: Chemistry 4; junior standing.

17. Teachers' Course.—Methods of teaching elementary chemistry. *II*; (1).

Dr. R. M. PARR

Prerequisite: 13 hours of chemistry and senior standing.

21. Qualitative Organic Analysis.—Identification of pure organic compounds and mixtures. *I*; (3). Dr. MARVEL and assistants

Prerequisite: Chemistry 14c, 14d.

25. Food Analysis.—Quantitative organic analysis, with special reference to the examination of food products; alcohols, carbohydrates, fats, and oils, cereals, nitrogenous bodies, preservatives, and colors. *I*; (5). Associate Professor BEAL, Dr. ENGLIS, and assistant.

Prerequisite: Chemistry 5a or 13a; 9 or 14a-14b.

¹In registering for a course with variable hours, a student must put down on his study-list, not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but 2, or 3, or 4, or 5.

26. Pharmaceutical Chemistry.—The analytical chemistry of medicinal substances with a discussion of the common types of pharmaceutical preparations. *II*; (3).

Associate Professor BEAL and assistant

Prerequisite: Chemistry 14a-14b.

27. Qualitative Analysis of the Rarer Elements.—The rarer elements and their compounds; identification and separation of the elements; formation, solubilities, and chemical reactions of their salts. Lectures and laboratory. *I*; (3).

Associate Professor HOPKINS, Dr. PARR

Prerequisite: Two years' work in chemistry.

28. Advanced Qualitative Analysis.—Methods of separation; qualitative reagents; theory of reactions. Designed especially for those intending to teach qualitative chemistry. Lectures and seminar. *II*; (2).

Assistant Professor REEDY

Prerequisite: Senior standing and Chemistry 31, or graduate standing.

31. Elementary Physical Chemistry.—The more important principles of physical chemistry. The purpose of this course is to give the experimental basis for a proper appreciation of physical chemistry. Lectures, problems. *II*; (2).

Associate Professor RODEBUSH

Prerequisite: Chemistry 5a, 5b; Physics 1a-1b, or 7a-7b; Mathematics 7 or 8.

33. Elementary Physical Chemistry.—A laboratory course to accompany Chemistry 31. *II*; (2).

Dr. DIETRICHSON

Prerequisite: Chemistry 1, 2a or 3a, 5a, 5b; Physics 1a-1b, or 7a-7b; Mathematics 7 or 8.

34. Physical and Electro-chemistry.—The theoretical principles of physical and electrochemistry and their applications; including the mass law, the phase rule, thermochemistry, surface tension, colloids, catalysis, electrolytic and electrothermal processes, photochemistry. Lectures; problems. *I, II*; (2).

Associate Professor RODEBUSH

Prerequisite: Chemistry 31, 33.

35. Electrochemistry.—Electrochemical reactions. Technical applications, including electric furnace processes. *I*; (3).

Dr. DIETRICHSON

Prerequisite: Chemistry 31, 33.

[45. Chemical Calculations.—Interpretation of general chemical data involving the use of tables, slide rules, graphs, etc. Solution of typical chemical problems, primarily analytical and industrial. Lectures; recitations; problems. *I*; (1). Not given in 1921-22.

Prerequisite: Sophomore standing; the consent of the instructor.]

46. Chemistry of Plant Products.—The occurrence of organic compounds in plants and their relation to plant nutrition. Lectures and laboratory. *II*; (2).

Dr. ENGLIS

Prerequisite: Chemistry 9 and 9c, or 14a and 14c.

47. Physical Methods in Inorganic Problems.—Selected topics involving the application of the methods of Physical Chemistry. Recitations; assigned readings. *I*; (2).

Assistant Professor REEDY

61. Industrial Chemical Laboratory.—The preparation and purification of chemical products from raw materials on a scale sufficient to afford data for determining the economy of the processes employed. (Should be accompanied by either Chemistry 6 or 109). *II*; (3).

Assistant Professor PUTNAM

Prerequisite: Chemistry 5a and 14a.

65. Fuels and Flue Gases.—Fuel inspection; gas analysis; determination of calorific values; calculation of efficiencies. *I* or *II*; (3).

Assistant Professor LAYNG, Dr. BRADLEY, and assistants

Prerequisite: Chemistry 5a.

66. Gas Engineering.—Gas machinery; ovens and appliances for carbonization; recovery of by-products. *II*; (1).

Professor PARR

Prerequisite: Chemistry 65; registration in 66a is advised.

66a. Control Processes in Gas Manufacture.—Standardization methods and inspection. *II*; (1).

Professor PARR

69. Metallurgical Laboratory and Assaying.—The fire assay of gold, silver, lead, and copper ores, mattes, and bullion; special experiments illustrating the underlying metallurgical principles; fluxes, slags, and charge calculations; practise in the use of coal, oil, and gas furnaces, and in the measurement of high temperatures. *I*; (2).

Assistant Professor PUTNAM

Prerequisite: Chemistry 5a; Geology 20.

72. Paints, Oils, Turpentine, Varnishes, and Protective Coverings for Wood and Metals.—Lectures and laboratory. *I; (2).* Professor PARR, Assistant Professor LAYNG
Prerequisite: Chemistry 5a and 14a-14b.

73. Asphalt, Tar, and Distillation Products.—Sources, characteristics, composition, and examination; binders and dust preventives used in road construction. (For students in highway engineering). *II; (2).* Professor PARR, Assistant Professor LAYNG
Prerequisite: Chemistry 2a or 4.

76. Mineral Oils.—Fractionation, analysis, evaluation for fuel, lubrication and gas manufacture. *II; (2).* Assistant Professor LAYNG
Prerequisite: Chemistry 9a and 14a.

77. Composition and Classification of Coal.—Classification, changes in composition, weathering, spontaneous combustion, formation of mine gases. Lectures; assigned reading. *II; (1).* Professor PARR
Prerequisite: Chemistry 65.

78. Metallography.—Constitution and microstructure of metals and alloys and the relations between their properties, chemical and mechanical treatment, and structure. Lectures; reading; laboratory. *II; (2).* Assistant Professor PUTNAM
Prerequisite: Chemistry 7.

80. Elements of Gas Blowing.—A laboratory course in the construction and repair of glass apparatus. *II; (1).* Mr. ANDERS
Prerequisite: Two years' work in chemistry.

[86. Chemistry of the Higher Order Compounds.—Complex compounds from the standpoint of the Valence Theory as developed by Werner. *II; (2).* Not given in 1921-22.
Prerequisite: Chemistry 9a, 9b, 14a-14b.]

90-91. Chemical Inspection Trips.—Required for juniors and seniors in the courses in chemistry and chemical engineering. The expense involved will approximate fifteen to twenty-five dollars for each student. *II; (no credit).*

92a-92b. Chemical Literature and Reference Work.—Periods, leaders, journals. Required of juniors in chemistry and chemical engineering; required also of juniors who are majoring in chemistry. *I, II; (1).* Miss SPARKS

93a-93b. Journal Meeting.—Required of seniors and all graduate students in chemistry. All members of the staff of the department of chemistry are expected to attend. *I, II; (1).* Assistant Professor BRALEY

95. History of Chemistry.—Lectures and assigned reading. *I; (2).* Professor NOYES

Courses for Graduates

Graduate students whose major subject is in some department other than chemistry, before taking graduate work for credit in this department, must have had the equivalent of 15 university credits in chemistry, and the ground covered should include satisfactory work in general chemistry and in qualitative and quantitative analysis. Such students are advised to make selections from the following courses: Chemistry 31, 33 (or 102, 102a), 14a, 14b, 14c, 14d, 15, and 25. Courses of a more special nature will not, as a rule, be accepted for graduate work unless preceded by one of the above courses.

Graduate students who are candidates for an advanced degree in chemistry must have had the equivalent of 25 university credits in chemistry, properly distributed.

For students in chemistry, 5a, 13a, 9, and 9c will not be accepted for graduate credit, and 14a-14b, 14c, 14d, 31, and 33 will be accepted only from students entering the Graduate School with the equivalent of 30 university credits in chemistry.

101. Theories of Chemistry.—Seminar. Origin and development of the principal theories of the science. *Once a week. II; (¼ unit).* Professor NOYES

102. Advanced Physical Chemistry.—This course, with 102a, covers a period of two years. Either course may be taken first. Kinetic molecular methods; Kinetic theory of gases; entropy and probability; the quantum theory; the molecular structure of liquids and solids; the electron theory. Lectures; seminar. *I, II; (¾ unit).*

Prerequisite: Chemistry 1, 2a or 3a; Physics 1a-1b, 3a-3b; Mathematics 8a or 7 and 9. An elementary knowledge of organic and physical chemistry is desirable.

[102a. Advanced Electrochemistry.—Modern theories of solution; thermodynamics; transformations of chemical and electrical energy. *Three times a week. I; (¾ unit).* Not given in 1921-22.

Prerequisite: Chemistry 35].

102e. Physical Chemistry Seminar.—A review of current literature in physical chemistry. *Once a week; I, II; ($\frac{1}{4}$ unit).* Not given in 1921-22].

103. Advanced Inorganic Chemistry.—Descriptive inorganic chemistry; the rarer elements; the periodic system. Lectures and recitations, with or without laboratory. *Two to five times a week; I, II; ($\frac{1}{2}$ to $1\frac{1}{4}$ units).*

103a. Advanced Analytical Chemistry.—Special topics. Lectures, with or without laboratory. *One to five times a week; II; ($\frac{1}{2}$ to $1\frac{1}{4}$ units).*

Prerequisite: Chemistry 5b, 9a, 9b, 14a-14b, 31, 33.

103b. Special Topics in Analytical Chemistry.—Required of all students taking a major or minor in analytical chemistry. Seminar. *I, II; ($\frac{1}{2}$ unit).*

Associate Professor BEAL, Assistant Professor BRALEY

Prerequisite: Chemistry 9a, 9b, 14a-14b.

103c. Special Topics in Inorganic Chemistry.—Seminar; rare earths. *I, II; ($\frac{1}{4}$ unit).*

Associate Professor HOPKINS

104. Advanced Organic Chemistry.—Geometric isomerism; optical isomerism; tautomerism; mechanisms of important reactions; etc. *I; ($\frac{3}{4}$ unit).*

Professor ADAMS

104a. Advanced Organic Chemistry.—(Special topics). For 1921-22, Percy May's Chemistry of Synthetic Drugs. *II; ($\frac{3}{4}$ unit).*

Dr. MARVEL

104b. Advanced Quantitative Organic Chemistry.—Proteins, alkaloids, glucosides, volatile oils, and other constituents of animal and vegetable tissues. Plant analysis. Toxicological analysis. The general methods, chemical and physical, of organic analysis. Lectures and seminar. May be accompanied by laboratory work on a selected group of compounds. *Twice a week; I, II; ($\frac{1}{2}$ unit; $1\frac{1}{4}$ unit with laboratory).*

Associate Professor BEAL

104c. Organic Chemistry.—Seminar.—A view of the current literature in organic chemistry. *Once every week; I, II; ($\frac{1}{4}$ unit).*

Professor ADAMS, Dr. MARVEL

104d. Advanced Organic Chemistry.—A study of the general reactions in organic chemistry and their scope. *Twice a week; II; ($\frac{3}{4}$ unit).*

Professor ADAMS

104e. Advanced Organic Chemistry.—Chiefly laboratory work. The study and development of methods which are suitable for large scale production. *(1 unit).* Not given in 1921-22.

Professor ADAMS]

105. Advanced Physiological Chemistry.—A more detailed study of the structure and distribution of the proteins. The chemistry of intermediary metabolism and of the glands of internal secretion. Lectures; demonstrations; assigned readings; discussions. *Twice a week; II; ($\frac{3}{4}$ unit).*

Associate Professor LEWIS

105a. Advanced Physiological Chemistry.—The more difficult biochemical preparations; the use of analytical methods. Lecture and laboratory. *One to five times a week; II; ($\frac{3}{4}$ unit).*

Associate Professor LEWIS

105b-105c. Advanced Physiological Chemistry.—Seminar. A consideration of some phases of the recent development of physiological chemistry. *Two hours a week; I, II; ($\frac{1}{2}$ unit).*

Associate Professor LEWIS

106. Animal Chemistry (Animal Nutrition).—Recent advances in the chemistry of nutrition of the lower animals; the chemistry of the functional products; the flesh, fat, milk, and wool of the more common domesticated animals. Lectures; conferences; assigned reading; laboratory. *Five times a week; I, II; (1 to $1\frac{1}{2}$ units).*

Professor GRINDLEY

Prerequisite: Two years' work in chemistry.

107. Special Problems in Technology of Fuels.—*I; ($\frac{1}{2}$ unit).*

Professor PARR

Prerequisite: Chemistry 77.

107a. Fuel Technology.—Constitution of Coal.—*Twice a week; I; ($\frac{1}{2}$ unit).*

Assistant Professor LAYNG

Prerequisite: Chemistry 65.

107b. Fuel Technology.—Carbonization processes; by-product constituents and recovery. *Twice a week; I, II; ($\frac{1}{2}$ unit).*

Assistant Professor LAYNG

Prerequisite: Chemistry 65 and 107a.

108. Advanced Metallography.—Selected alloy systems; correlation of constitution and properties. *Twice a week; I; ($\frac{3}{4}$ unit).*

Assistant Professor PUTNAM

Prerequisite: Chemistry 7 and 78 or equivalent.

109. Advanced Industrial Chemistry.—Seminar. Some of the more important chemical industries; the development and chemical control of processes. *Twice a week; I, II; ($\frac{3}{4}$ unit).*

Professor PARR

110. Water Supplies.—An advanced course in the chemistry of water and sewage. The sources of contamination of water supplies and the purification of water for potable or technical use. *One to five times a week; I, II; ($\frac{1}{2}$ to $1\frac{1}{4}$ units).*

Associate Professor BUSWELL

111. Research.—A thesis is usually required of students taking the Master's degree and is always required of students taking the degree of Doctor of Philosophy. (For a description of undergraduate work leading to a thesis, see Chemistry II.) *I, II; Work may be taken in the following subjects:*

PHYSICAL AND ELECTROCHEMISTRY		{ Associate Professor RODEBUSH Assistant Professor REEDY
INORGANIC CHEMISTRY	Associate Professor HOPKINS, Assistant Professors REEDY and KREMERS	
ANALYTICAL CHEMISTRY	Associate Professor BEAL, Assistant Professor BRALEY	
FOOD CHEMISTRY	Associate Professor BEAL	
ORGANIC CHEMISTRY	Professors NOYES, ADAMS, Dr. MARVEL	
WATER CHEMISTRY	Associate Professor BUSWELL	
ANIMAL CHEMISTRY (Animal Nutrition)	Professor GRINDLEY	
PHYSIOLOGICAL CHEMISTRY	Associate Professor LEWIS	
INDUSTRIAL CHEMISTRY	Professor PARR, Assistant Professor LAYNG	
CERAMIC CHEMISTRY	Professor WASHBURN	

Summer Session Courses

NOTE.—All of the courses in chemistry in the Summer Session are equivalent to the courses of the same numbers given during the academic year, and have the same prerequisites.

Courses for Undergraduates

S1. Elementary Chemistry.	Dr. ENGLIS, Dr. KREMERS, Dr. R. M. PARR
S1a. Inorganic Chemistry.	Dr. ENGLIS, Dr. KREMERS, Dr. R. M. PARR
S1b. Inorganic Chemistry.—For engineering students.	Dr. ENGLIS, Dr. KREMERS
S2a. Inorganic Chemistry and Qualitative Analysis.	Assistant Professor REEDY, Dr. R. M. PARR, and assistant
S3a. Inorganic Chemistry and Qualitative Analysis.	Assistant Professor REEDY, Dr. R. M. PARR
S5a. Elementary Quantitative Analysis.	Associate Professor BEAL, Dr. BRALEY
S5b. Quantitative Analysis.	Associate Professor BEAL, Dr. BRALEY
S13a. Agricultural Analysis.	Associate Professor BEAL, Dr. BRALEY

Courses for Undergraduates and Graduates

By suitable selection of courses through four consecutive summers it will be possible for persons attending the Summer Session to meet the requirements for the Master's degree, with the exception of the completion of a course in physical chemistry.

S14a. Elementary Organic Chemistry.	Professor ADAMS
S14b. Organic Chemistry (second course).	Dr. COLEMAN
S14c. Organic Chemistry (elementary laboratory).	Professor ADAMS and assistant
S14d. Organic Chemistry (advanced laboratory).	Dr. COLEMAN
S15. Physiological Chemistry.	Associate Professor LEWIS
S17. Teachers' Course.	Dr. R. M. PARR
S21. Qualitative Organic Analysis.	Dr. COLEMAN
S25. Food Analysis.	Associate Professor BEAL
S27. Qualitative Analysis of the Rarer Elements.	Dr. R. M. PARR
S65. Technical Gas and Fuel Analysis.	Dr. LAYNG
S92. Chemical Literature and Reference Work.	Miss SPARKS
S104e. Advanced Organic Chemistry.—Chiefly laboratory work. The study and development of methods which are suitable for large scale production. (<i>1 unit</i>).	Professor ADAMS

S105a. Advanced Physiological Chemistry.—The more difficult biochemical preparations; the use of analytical methods. Lecture and laboratory. *One to five times a week.* ($\frac{1}{2}$ unit).
Associate Professor LEWIS

S11 and S111. Research.

PHYSICAL AND ELECTROCHEMISTRY
INORGANIC CHEMISTRY
ANALYTICAL CHEMISTRY
PHYSIOLOGICAL CHEMISTRY
ORGANIC CHEMISTRY
INDUSTRIAL CHEMISTRY

Assistant Professor REEDY
Dr. KREMERS
Associate Professor BEAL
Associate Professor LEWIS
Professor ADAMS
Professor PARR, Dr. LAYNG

CIVIL ENGINEERING

Professors BAKER, WILSON, CROSS; Assistant Professors SMITH, WILEY, PICKELS, RAYNER, PYLE; Mr. HAZELET, Mr. BAUER, Mr. SCHMELTZER, Mr. MATHEWS, Mr. MORROW.

Courses for Undergraduates

27. Elementary Surveying.—The theory, use and adjustment of the compass, transit, and level; the computation of areas and volumes, and the partitioning of land; map construction; the United States land survey methods, re-establishment of corners and boundaries, and interpretation of deeds; farm and city surveying; elements of topographic surveying. Problems with the tape, compass, transit, and level. *I; (3).*

Assistant Professor RAYNER, Mr. SCHMELTZER, Mr. MATHEWS
Prerequisite: General Engineering Drawing 1 or 4, 2; Mathematics 4.

28. Topographic Surveying.—The theory and use of the transit and plane-table in making topographic surveys; methods; topographic surveying. *II; (3).*

Assistant Professor PICKELS, Mr. SCHMELTZER, Mr. MATHEWS
Prerequisite: Civil Engineering 27; Physics 1a, 3a, and registration in Physics 1b, 3b.

30. Higher Surveying.—Topographical surveying methods as applied to intermediate and small scale maps, including base-line measurements, precise measurement of angles, precise leveling, graphic and trigonometric triangulation, adjustment of observations, and map projections. Methods for determination of true azimuth from solar and stellar observations. Hydrographic Surveying instruments and methods. *II; (3).*

Mr. SCHMELTZER, Mr. MATHEWS

Prerequisite: Civil Engineering 27, 28.

31. Surveying for Landscape Gardeners.—Determination of horizontal distances by pacing, taping and stadia; determination of vertical distances by use of engineer's level; measurement of horizontal and vertical angles with transit; adjustment of instruments; methods used and accuracy necessary in making various kinds of surveys; setting slope stakes; cross-sectioning; construction and use of profiles; mapping. *I; (3).*

Assistant Professor RAYNER

Prerequisite: Mathematics 4; Architecture 31, 32.

32. Surveying for Landscape Gardeners.—The stadia; topographic signs; contour construction; grading and drainage; advanced plane-table; earthwork computations; use of planimeter; establishing grades. Each student prepares a large scale topographic map of a portion of the campus. *II; (3).*

Assistant Professor RAYNER

Prerequisite: Civil Engineering 31.

34. General Surveying.—Use of tape, level, transit, and plane table; adjustments of transit and level; errors in use of surveying instruments; common and special surveying problems; triangulation; topographic surveying; U. S. land surveys; computations of areas by latitudes and departures; computation of earthwork. *II; (3).*

Assistant Professor PICKELS

Prerequisite: General Engineering Drawing 1 or 4, 2; Mathematics 4.

35. Principles of Surveying.—(For students who do not expect to take Civil Engineering 28). Elementary surveying, use of transit, level, plane-table and their adjustments; areas and volumes, map and profile construction, differential and profile leveling, contours, U. S. public land surveys. *I; (3).*

Mr. SCHMELTZER, Mr. MATHEWS

Prerequisite: Mathematics 4; General Engineering Drawing 1 or 4.

36. Principles of Surveying.—(For junior students in Ceramic Engineering.) Use and adjustment of transit and level, running circular curves, areas and volumes, map and profile construction. *II; (2).*

Mr. MATHEWS

Prerequisite: Mathematics 4, 6; General Engineering Drawing 1 or 4, 2; Physics 1a-1b, 3a-3b.

51. Railroad Surveying.—Economic location, construction and maintenance of railways; curves, turnouts; and earth work; preliminary and location surveys. Each student makes a complete set of maps, profiles, and estimates. *I*; (5).

Assistant Professor SMITH, Assistant Professor PICKELS, Mr. BAUER, Mr. SCHMELTZER
Prerequisite: Civil Engineering 27, 28.

52. Roads and Pavements.—(For Municipal and Sanitary Engineering Students only). Construction and maintenance of earth, gravel, stone, block, concrete and bituminous pavements; comparison of different types; pavement accessories. *II*; (3).

Mr. BAUER
Prerequisite: Junior standing in Municipal and Sanitary Engineering, including all prescribed subjects.

53. Railroad Surveying.—First eleven weeks of course 51, for juniors in municipal and sanitary engineering. *I*; (3).

54. Roads and Pavements.—Road and street location and drainage; construction and maintenance of earth, gravel, macadam, concrete, brick, stone-block, wood-block, and bituminous roads and pavements; comparison of different types; pavement accessories. *II*; (4).

Assistant Professor WILEY, Mr. BAUER
Prerequisite: Mathematics 4; General Engineering Drawing I or 4, 2; Civil Engineering 27, 28, 51.

57. Hydrology.—Occurrence and distribution of precipitation; evaporation from land and water surfaces; transpiration; deep seepage; run-off; hydraulics of rivers and small streams; use of current meter, float, weir, etc., for measuring velocity and discharge; and the modification of stream flow by storage for municipal, irrigation, navigation, flood-prevention and power purposes. *I*; (2).

Assistant Professor PICKELS
Prerequisite: Senior standing in Civil Engineering.

58. Stresses in Mine Structures.—(For students in Mining Engineering.) Study by analytical and graphical methods of the stresses in tipples, head-frames and other mine structures. *II*; (2).

Mr. HAZELET
Prerequisite: Theoretical and Applied Mechanics 20, 25.

60. Structural Stresses.—Methods of analysis of stresses in statically determinate structures. *II*; (4).

Professor CROSS, Assistant Professor PYLE
Prerequisite: Mathematics 2, 4, 6; General Engineering Drawing I or 4, 2; Theoretical and Applied Mechanics 20, 25 or 29.

62. Structural Details.—Design of details of steel and timber structures. Study of working drawings. *II*; (2).

Assistant Professor PYLE, Mr. HAZELET
Prerequisite: Registration in Civil Engineering 60.

70. Seminar.—Preparation, reading, and discussion of papers on engineering topics. Each student presents one major and two minor papers on assigned topics, and participates in the discussion of papers by others. *II*; (1).

Assistant Professor RAYNER, Assistant Professor PICKELS
Prerequisite: Rhetoric 1 and 2, and junior standing in Civil Engineering.

73. Bridge Design.—A portion of course 85, for Railway Civil Engineers. *I*; (3).

75. Masonry Construction.—Discussion of the materials of masonry construction, stone, brick, lime, cement; making, using and testing of plain concrete; and laying of brick and stone masonry, cost and strength; foundations of buildings and bridges; masonry structures, bridge piers and abutments, retaining walls, box and arch culverts, voussoir and elastic arches. *I*, or *II*; (3).

Professor BAKER
Prerequisite: Theoretical and Applied Mechanics 10, 20, 21, 29; Civil Engineering 60.

78. Drainage Engineering.—The present status and importance of the drainage problem; the effect of drainage on public health; the economics of drainage; the legal procedure in the formation of drainage districts; methods of levying assessments for benefits; surveys and maps of drainage areas; reports on drainage projects; the design, construction, maintenance, and cost of drainage systems; flood protection; channel improvement; design, construction, and maintenance of levees; pumping requirements for levee districts. *II*; (3).

Assistant Professor PICKELS
Prerequisite: Civil Engineering 57.

80. Engineering Contracts and Specifications.—Engineering relations, the law of contracts; business and technical clauses used in engineering specifications. Engineering ethics. The relation of the engineer to industrial, financial, and governmental problems. *II*; (2).

Professor BAKER, Assistant Professor SMITH
Prerequisite: Senior standing in engineering.

81. Theory of Reinforced Concrete.—A study of stress distribution and of the effect of continuity in reinforced concrete structures. *I*; (2). Professor CROSS

Prerequisite: Civil Engineering 60.

82. Reinforced Concrete Design.—Designs and details for some typical problems in concrete bridges and buildings. *II*; (4). Professor CROSS, Mr. MORROW

Prerequisite: Civil Engineering 81.

84. Engineering Functions.—Relation of the engineer to his employer, private, corporate, or public; responsibility of the engineer as inspector, designer, supervisor of labor, agent, or arbitrator; functions in valuation proceedings, in investigations, etc. *II*; (2). Assistant Professor SMITH

Prerequisite: Senior standing in Engineering.

85. Bridge Design.—Stress sheets, general design drawings, and details of railway and highway bridges. *I*; (5). Assistant Professor PYLE, Mr. HAZELET, Mr. MORROW

Prerequisite: Civil Engineering 60, 62.

[88. Stresses in Structures.—Methods of analysis of stresses in structures of steel, wood, or concrete. Foundations and superstructure. The viewpoint is that of the executive. *I*; (4). Not given in 1921-22.

Prerequisite: Theoretical and Applied Mechanics 20, 25].

[90. Structural Design.—General methods of design based on the principles discussed in Civil Engineering 88. General designs for industrial buildings, small bridges, dams, retaining walls, and similar structures. *II*; (4). Not given in 1921-22.

Prerequisite: Civil Engineering 88].

91. Advanced Structural Analysis.—The elastic theory and its applications in statically indeterminate structures. *I*; (5). Professor CROSS

Prerequisite: Registration in Civil Engineering 73 or 85.

92. Structural Seminar.—Seminar course in methods of investigation in structural design. Reports, discussions, comparison of designs. Lectures on research problems. *II*; (2). Professor CROSS, Assistant Professor PYLE, Professor WILSON cooperating

Prerequisite: Civil Engineering 91.

93. Highway Design.—Township, county and state road systems; city streets; choice of pavement types; principles of design, preparation of plans, specifications, and estimates of cost. *I*; (3). Assistant Professor WILEY

Prerequisite: Civil Engineering 54; Theoretical and Applied Mechanics 21, 29.

94. Highway Administration.—The relation of road and street improvement to social and economic welfare; governmental units and forms as related to roads and streets; state, county, and city highway departments; highway and local improvement law; traffic regulations; taxation and methods of financing country roads and city pavements. *II*; (3). Assistant Professor WILEY

Prerequisite: Senior standing in Civil Engineering.

95. Plain Concrete.—Standard tests for Portland cement; origin, preparation and characteristics of different aggregates; field and laboratory examination and tests; theories of proportioning; effect of impurities, quantity of water, and methods of handling and curings. Laboratory practise. *I*; (2). Assistant Professor WILEY, Mr. BAUER

Prerequisite: Senior standing in engineering.

96. Road Materials.—Origin, preparation and characteristics of road-building materials; examination and tests of both bituminous and non-bituminous materials; interpretation of results; specifications; inspection. Laboratory practise. *II*; (2). Assistant Professor WILEY, Mr. BAUER

Prerequisite: Civil Engineering 54, 95. Students who expect to take Civil Engineering 96 are urged to take Geology 43 or its equivalent in the junior year.

97-98. Thesis.—A problem in investigation or design, subject to the approval of the head of the department. Only students of high standing are permitted to take a thesis. *I*; (1); *II*; (2 or 3).¹

Prerequisite: Senior standing in Civil Engineering.

99. Inspection Trip.—A three days' trip to study various industries and engineering projects including industrial plants, bridges, pavements, railways and buildings, usually in and about Chicago. *I*; (No credit, but required for graduation.)

Prerequisite: Senior standing in Civil Engineering.

¹A thesis may be substituted for a technical subject in any one of the three options of the senior year of the civil engineering curriculum, upon the approval of the Head of the Department.

Courses for Graduates

Entrance on graduate work in civil engineering presupposes the full undergraduate course in that subject.

103. Highway Construction.—Machinery and methods of handling materials. Contractors' organization and official control. *Twice a week; I or II; (I unit). Time to be arranged.* Professor BAKER

106. Reinforced Concrete Engineering.—Continuity in reinforced concrete design. Special analytical and graphical methods of applying the elastic theory. *Two or three times a week. I; (I unit or more).* Professor CROSS

107. Structural Engineering.—Theory and details of swing bridges and steel arches. Special problems in indeterminate stresses in steel frames. Secondary stresses. *Two or three times a week. II; (I unit or more).* Professor CROSS, Assistant Professor PYLE

124. Steel Building Construction.—Steel framing of fire-proof office buildings, hotels, and industrial buildings; wind bracing; eccentrically loaded columns; analysis of special details; erection methods and costs. *Twice a week; I, II; (I unit or more). Time to be arranged.* Professor WILSON

THE CLASSICS

Professors BARTON, OLDFATHER, PEASE, CANTER; Mr. TITCHENER, Mr. MAZER.

GREEK

Major: 20 hours excluding Greek 1a-1b and 17.

Minors: 20 hours chosen from not more than two of the following: foreign languages (Latin being especially recommended), English literature, history, and philosophy.

LATIN

Major: 20 hours excluding Latin 11a-11b, 6, 1a-1b, and 20.

Minors: 20 hours chosen from not more than two of the following: foreign languages (Greek being especially recommended), English literature, history, and philosophy.

CLASSICS

Major: 20 hours in Greek and Latin, excluding Greek 1a-1b, 16, 17, and 20 and Latin 11a-11b, 6, 1a-1b, 13, 19, and 20. At least six hours shall be carried in the secondary language and the remaining hours in the primary language.

Minors: 20 hours chosen from not more than two of the following: foreign languages, English literature, history, and philosophy.

GREEK

Courses for Undergraduates

The courses in translation naturally follow each other in the following sequence: 1a-1b, 3, 5 or 7, 6 or 8. Courses 1a-1b, 3, and 4 are intended for students who cannot present Greek for entrance to the University, but who desire to commence the study of the language. Course 2a-2b may be taken after course 1a-1b. Course 16 and 17 are open to sophomores, juniors, and seniors; 20 is open to those who have completed one year in history or classics.

1a-1b. Grammar and Reader.—First semester: Attic forms; reading of simple prose. Second semester: Xenophon's *Anabasis*, Book I. *I, II; (4).* Professor OLDFATHER

2a-2b. New Testament Greek.—Reading of selections and lectures on the canon and text. *I, II; (2).* Professor CANTER, Mr. MAZER

Prerequisite: Greek 1a-1b or an equivalent.

3. Second Year Greek.—Xenophon's *Anabasis*, Books II-IV; grammatical drill. *I; (3).* Professor PEASE

Prerequisite: Greek 1a-1b.

4. Second Year Greek.—Homer, six Books of the *Iliad*. *II; (3).* Mr. TITCHENER

Prerequisite: Greek 3.

Courses for Advanced Undergraduates and Graduates

5. Herodotus.—Selections. *I; (3).* Professor PEASE

Prerequisite: Greek 4.

6. Thucydides.—The Sicilian Expedition, Books VI, VII. *I. I; (3).* Not given in 1921-22.]

Prerequisite: Greek 4.

7. Greek Drama.—Three plays from the great dramatists. *II; (3).* Professor PEASE

Prerequisite: Greek 4.

- [8. Plato.—Selected dialogues. *II*; (3). Not given 1921-22. Professor PEASE
Prerequisite: Greek 4.]
- [14. Greek Prose Composition.—*II*; (1). Not given 1921-22. Professor PEASE
Prerequisite: Greek 5 and 6, or 7 and 8.]

GREEK LIFE AND HISTORY

Courses 16 and 17 presuppose no knowledge of Greek and are open to all students except freshmen.

16. The Life of the Ancient Greeks.—Lectures illustrated by photographs and slides; prescribed readings. *I*; (1). Professor PEASE

17. Greek Poetry.—Homer. *II*; (2). Mr. TITCHENER

20. Greek History.—(This course is described by the department of history as History 5). *I*; (3).

Prerequisite: One course in history or the classics. Not open to freshmen.

54. Comparative Literature.—See English 54.

Courses for Graduates

105. Plato and Aristotle.—*Twice a week. I, II; (1 unit).* Professor OLDFATHER

106. Greek Drama.—*Twice a week. II; (1 unit).* Professor PEASE

110. Bibliography and Criticism.—(Thesis course; the same as Latin 110). *Once a week. I, II; (1 unit).* Professor OLDFATHER, PEASE, and others

LATIN

11a-11b. Beginning Latin.—*I, II; (4).* Mr. TITCHENER

1a-1b. Ovid and Vergil.—*I, II; (4).* Mr. TITCHENER, Mr. MAZER

Prerequisite: Three entrance units in Latin.

6. Cicero.—Selections from the Orations. *I; (4).* Mr. MAZER

Prerequisite: Two entrance units in Latin.

2a-2b. Livy, Plautus, and Terence.—First semester: Selections from Livy, the story of Hannibal. Second semester: *The Rudens and the Captive* of Plautus and the *Phormio* of Terence. *I, II; (4).* Professor BARTON

Prerequisite: Four entrance units in Latin.

3. Sallust and Cicero.—Selections from the *Jugurthine War; De Senectute. I; (3).* Mr. MAZER

Prerequisite: Latin 2a-2b.

4. Horace and Catullus.—Selections. *II; (3).* Mr. TITCHENER

Prerequisite: Latin 2a-2b.

5b. Latin Composition.—Grammatical drill and practise in the simpler forms of expression. Required of those receiving recommendation of department as teachers. *I, II; (1).* Professor CANTER

Courses for Advanced Undergraduates and Graduates

[7. Horace and Juvenal.—Selections from the Satires and Epistles of Horace; selected Satires of Juvenal. *II; (3).* Not given in 1921-22. Professor PEASE

Prerequisite: 12 hours of Latin.]

8. Tacitus.—The *Annals*, Book I-VI. *II; (3).* Professor PEASE

Prerequisite: 12 hours in Latin.

[14. Seneca.—Selections from his Letters; the Daughters of Troy. *I; (3).* Not given 1921-22. Professor BARTON

Prerequisite: 12 hours of Latin.]

16. Martial and Suetonius.—Selections. *I; (3).* Professor BARTON

Prerequisite: 12 hours in Latin.

22. Late Latin.—Rapid reading of Selections from the Latin writers from Minucius Felix to Cassiodorus. *II; (3).* Professor PEASE

Prerequisite: Senior or graduate standing; two years of college Latin or the consent of the instructor.

54. Comparative Literature.—See English 54.

30a-30b.—Thesis or a special course of study approved by the department. *I, II; (2).*

Prerequisite: 14 hours of Latin acceptable for a major; senior standing.

ROMAN LIFE AND HISTORY

(Course 13 presupposes no knowledge of Latia).

13. Roman Life.—The family, organization of society, education, marriage, amusements, with some attention to the monuments. Lectures and assigned readings illustrated by photographs and slides. *II; (1)*. Not open to freshmen. Professor BARTON

19. Roman History.—(This course is described by the department of history as History 6.) Not open to freshmen *II; (3)* Professor OLDFATHER

20. Classical Mythology.—Lectures and assigned readings. *I. (2)*. Not open to freshmen. Professor BARTON

9. Teachers' Course.—The purpose and methods of preparatory Latin instruction; the teacher's preparation. Required for those receiving the recommendation of the department as teachers. *II; (2)*. Professor BARTON

Prerequisite: 18 hours of Latin. A portion of this requirement may be waived in the case of those who have taught Latin.

10. Latin Composition.—The leading principles; imitation of assigned models. Required of those receiving recommendation of the department as teachers. *I; (2)*. Professor BARTON

Prerequisite: 12 hours of Latin, including Latin 5b or equivalent.

Courses for Graduates

Students desiring to take graduate work in Latin should have had at least three years of college Latin in addition to the Latin presented to meet entrance requirements.

101. Latin Epigram.—*Twice a week. I; (1 unit)*. Professor CANTER

104. Latin Paleography.—*Twice a week. I; (1 unit)*. Professor PEASE

108. Tacitus.—The Histories.—*Twice a week. I; (1 unit)*. Professor BARTON

109. Vergil.—*Twice a week. I; (1 unit)*. Professor PEASE

110. Bibliography and Criticism.—(Thesis course; the same as Professor 110). *Once a week. I, II; (1 unit)*. Professor OLDFATHER, Professor PEASE and others

113. Plautus.—*Twice a week. II; (1 unit)*. Professor OLDFATHER

116. Latin Elegy.—*Twice a week. II; (1 unit)*. Professor CANTER

Summer Session Courses

S1. Terence.—Reading of three plays with a brief discussion of the language and verse of comedy. *(2½)*. Professor CANTER

Prerequisite: Three years of high-school Latin.

S2. Roman Private Life.—*(1)*. Professor CANTER

For Advanced Undergraduates and Graduates

S102. Roman Oratory.—Its history and development. *Twice a week; (2); (½ unit)*. Professor CANTER

Prerequisite: Fifteen hours of college Latin.

COMMERCIAL LAW

(See BUSINESS ORGANIZATION AND OPERATION)

DAIRY HUSBANDRY

Professors RUEHE, FRASER, PRUCHA, GAINES; Assistant Professors OVERMAN, YAPP, NEVENS; Mr. AMBROSE, Mr. CAMPBELL, Mr. BRANNON, Mr. STIRITZ, Mr. PETERSON, Mr. TRACY, Mr. SANMANN, Mr. DAVIDSON.

Courses for Undergraduates

Students looking towards specialization in dairy manufactures are advised to take as promptly as possible the fundamental courses underlying courses in Dairy manufactures, giving particular attention to: Economics 1 and 3, Accountancy 11, Bacteriology 1, Chemistry 9-9c. They are also advised to consult the department of dairy husbandry before registration.

1. **Milk Testing.**—Babcock test; tests for purity and adulteration; lactometer; tests for acidity, moisture, and salt; qualitative separation of milk into its components, and a brief study of the components; significance of the composition of milk. Lectures; recitations; problems; laboratory. *I* or *II*; (3).
Assistant Professor OVERMAN, Mr. SANMANN

2. **Dairy Cattle.**—Selection, feeding, and management; dairy type and its relation to production; herd improvement; history, characteristics, and adaptability of breeds; feeding for growth and production; herd management; milking machines; barn arrangement. Lectures; recitations; laboratory. *II*; (5).
Assistant Professor YAPP, Assistant Professor NEVENS, Mr. CAMPBELL

Prerequisite: Dairy Husbandry 24; Animal Husbandry 8 and 21, or their equivalent.

8. **City Milk Supply.**—Production, transportation, plant management, and distribution of milk for city supplies. Lectures, laboratory, and assigned readings. *II*; (2).
Mr. AMBROSE

NOTE.—It is suggested that course 10 be taken previous to this course.

14. **Milk Condensing.**—Making various kinds of condensed milk; processing; milk powder; condensing plants and their equipment. This course requires one inspection trip, costing from \$15.00 to \$20.00. Lectures; laboratory. *II*; (2).
Mr. PETERSON

Prerequisite: Dairy Husbandry 1, 5, or 15.

22. **Cheese Making.**—Practise in making the more common varieties of hard and soft cheese. Lectures; laboratory. *I*; (2).
Mr. AMBROSE

Prerequisite: Dairy Husbandry 1.

23a-23b. **Investigation and Thesis.**—*I, II*; (5-10)¹. Heads of Divisions.

24. **Elementary Production and Manufacture of Dairy Products.**—Herd selection and management; the testing and manufacture of the various dairy products. Required of all freshmen in the general curriculum in agriculture. *I* or *II*; (3).
Mr. STIRITZ and others

Courses for Advanced Undergraduates and Graduates

4. **Ice Cream Making.**—Mixing and freezing of ice cream, sherbets, and other frozen products, and the physical principles involved; types of freezers; flavoring materials, fillers, and binders; ice cream standards; the theory and practise of artificial refrigeration, and its use in the ice cream plant. This course is accompanied by one inspection trip, costing from \$15.00 to \$20.00. *I*; (3).
Professor RUEHE, Mr. AMBROSE

Prerequisite: Dairy Husbandry 1 or 5.

5. **Composition of Dairy Products.**—Rapid commercial test; qualitative and quantitative study; the composition of milk proteins and their significance; composition, chemical and physical properties of milk fat and factors influencing them. Lectures; recitations; problems; assigned reading; laboratory. *II*; (3).
Assistant Professor OVERMAN

Prerequisite: Chemistry 9, 13a.

7. **Creamery Buttermaking and Factory Management.**—Types of creameries; raw product received; grading; pasteurization; use of commercial starters; ripening, churning, salting, and working butter; butter composition and scoring; explanation of various physical phenomena in making, packing, and storing of butter; creamery by-products; refrigeration. Creamery location and plans; business management and accounting in various types of creameries. This course is accompanied by one inspection trip costing from \$15.00 to \$20.00. Lectures; laboratory. *II*; (5).
Professor RUEHE, Mr. STIRITZ

Prerequisite: Dairy Husbandry 1.

10. **General Dairy Bacteriology.**—A consideration of the relation of bacteria to market milk and milk products including milk beverages, butter, cheese, condensed milk, and ice cream. Lectures, laboratory, assigned reading. *I*; (4).
Professor PRUCHA

Prerequisite: Bacteriology 1 or 5; junior standing.

17. **Advanced Study of Dairy Breeds.**—History; environment; breed characteristics; prominent families and individuals; pedigree work; special studies of inheritance; application of genetic principles to dairy cattle breeding. Lecture, assigned readings, seminar work. *I*; (2).
Assistant Professor YAPP

Prerequisite: Two years of university work; Dairy Husbandry 2, or its equivalent.

20. **Economic Problems in Dairy Farming.**—The correct proportions of the productive factors on a dairy farm; magnitude of the investment necessary; importance of wise

¹In registering for a course with variable credit hours, a student must put down on his study-list not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but 2, or 3 or 4, or 5.

saving, consuming, and investing; economic problems of country life; what successful dairy farming means to the individual and community; comparative dairying. *I; (2).*

Professor FRASER

Prerequisite: Junior standing, Economics I or 2.

21. Systems of Dairy Farming.—A proper balance of the different factors of production on a dairy farm; location; arrangement of fields and buildings; relation of the cow and the herd to profits; how to establish and perpetuate a dairy herd of the highest efficiency; economical crops and rations on a dairy farm; systems of cropping; markets; care and disposal of the product at the greatest profits. A three day inspection trip is required in this course, the expense of which is about \$24.00. *II; (5).*

Professor FRASER

Prerequisite: Dairy Husbandry 2.

Courses for Graduates

101. Economic Milk Production.—Efficiency of dairy farms; factors influencing profits. *Twice a week; I, II; (½ to 2 units). Time to be arranged.*

Professor FRASER

106. Research on Assigned Problems.—Open to students whose development permits their undertaking problems of dairy bacteriology with only general supervision. A study of the literature of the selected problem followed by laboratory study and reports. *I, II; (½ to 2 units). Time to be arranged.*

Professor PRUCHA

107. Dairy Chemistry.—A survey of the literature; special investigation on assigned problems. *Once a week; I, II; (1 unit).*

Assistant Professor OVERMAN

108. Physiology of Milk Production.—Physiological factors involved in the growth of the mammary gland, the secretion of milk, and in milking. Study of production records. *Once a week; I, II; (½ to 2 units).*

Professor GAINES

DRAWING, GENERAL ENGINEERING

Professor JORDAN, Assistant Professors PORTER, HOELSCHER, McNEELY; Mr. WATT, Mr. WASHBURN, Mr. HALL, Mr. DUFF, Mr. CROSSMAN, Mr. DUNN, Mr. FARRISEE, Mr. DIEFENDORF, Mr. MAY, Mr. MEIER.

1. Elements of Drafting.—Lettering; isometric, oblique and perspective drawing, orthographic projection; machine sketching; working drawings; plates from specifications and models, with tracings. Dimensioned sketches from parts of machines; tracing duplicated in blue print. Time sketches. *I or II; (4).*

Department Staff

2. Descriptive Geometry.—Point, line, and plane; surfaces; intersections and developments. Problems; recitations. *I or II; (4).*

Department Staff

Prerequisite: Solid Geometry.

4. Advanced Drafting.—The application of fundamental principles learned in course I to distinct fields of drafting such as architectural, structural, topographic, machine, pictorial, and graphical representations. Emphasis laid upon the use of standard conventions and symbols, current drafting practise, use of handbooks, approved empirical designs and connections, and quick and easy methods of layout. *I, II; (4).*

Assistant Professor HOELSCHER, Mr. DUFF, Mr. HALL, Mr. WATT

Prerequisite: General Engineering Drawing I or equivalent to be determined by the Department.

21. Advanced Descriptive Geometry.—A continuation of course 2, treating higher relations of the point, lines, and plane. Application of descriptive geometry to practical engineering problems. The rotated view as an aid in drafting. Study of the cone, cylinder, convolute, surfaces of revolution, and warped surfaces, involving their intersection in pairs and their developments. Theoretical treatment of the warped surface, and its application in skew bevel gears and in propeller blades. Special problems involving original application of fundamental general principles. *II; (2).*

Assistant Professor PORTER, Assistant Professor McNEELY

Prerequisite: General Engineering Drawing I and 2.

Summer Session

S1. Elements of Drafting.—Engineering lettering; orthographic projection; isometric oblique and perspective drawing; machine sketching; working drawings. Lettering; engineering styles and the making of name plates and titles. Mechanical drawing; drawings from specifications and models with tracings. Dimensioned sketches from parts of standard machines; complete working drawings. Blue-print and Van Dykes from tracings. Time sketches of equipment. Text: Miller's Mechanical Drafting. (4). Mr. HOELSCHER

S2. Descriptive Geometry.—Theory of orthographic projection; the point, line, and plane; the properties of surfaces; tangents; intersections, and developments. Practical problems; recitations and drawing room work. Text: Miller's Descriptive Geometry.

Mr. HOELSCHER

Prerequisite: Plane and solid geometry.

ECONOMICS

Professors BOGART, ROBINSON, THOMPSON, WESTON, LITMAN; Associate Professor WATKINS; Assistant Professors HUNTER, WRIGHT; Mr. BROWN, Mr. VALENTINE, Mr. ALLEN, Mr. BERMAN, Mr. HALFANT, Mr. DICKINSON, Mr. GRESSENS, Mr. NORDLIE, Mr. MCFARLANE, Mr. LANDON, Mr. McMULLEN, Mr. GERIG, Mr. HURD, Mr. RASMUSSEN, Mr. TOBIAS, Mr. STEWART, Mr. GUEST, Mr. HUBER.

Major: For students in the College of Liberal Arts and Sciences 20 hours, made up of Economics 1 and any other courses in economics for which it is a prerequisite.

Minors: 20 hours in any one or two of the following subjects: history, philosophy, political science, and sociology.

Economics 22 and 26 are open to freshmen without previous requirement.

Economics 1 is the fundamental course in economics. It is prerequisite for most of the advanced courses and students expecting to do advanced work in economics should take it in their sophomore year.

Economics 2, tho open to all students who have had 30 hours of university work, is primarily for students in the College of Agriculture and Engineering and in courses in home economics, chemistry, chemical engineering, and other sciences. It may not be used as a prerequisite for advanced courses in economics except as indicated.

Courses for Undergraduates

1. Principles of Economics.—(See above note preceding the description of courses in economics.) *I, II; (5).* Professor BOGART, Assistant Professor HUNTER, Assistant Professor WRIGHT, Mr. BROWN, Mr. ALLEN, Mr. BERMAN, Mr. HALFANT, Mr. NORDLIE, Mr. MCFARLANE, Mr. GERIG, Mr. RASMUSSEN

Prerequisite: 30 hours of university work.

2. Principles of Economics.—(See above note preceding the description of courses in economics.) *I, II; (3).* Professor ROBINSON, Mr. HALFANT, Mr. NORDLIE, Mr. ALLEN, Mr. DICKINSON, Mr. GERIG

Prerequisite: 30 hours of university work.

3. Money and Banking.—*I, II; (3).* Professor WESTON, Mr. BROWN, Mr. BERMAN, Mr. HALFANT, Mr. GRESSENS, Mr. NORDLIE, Mr. LANDON, Mr. STEWART

Prerequisite: Economics 1 or 2.

16. Economics of Agriculture. *I; (3).*

Mr. WRIGHT

Prerequisite: Economics 1 or 2.

22. The Economic History of the United States.—Open to freshmen only. *II; (3).* Professor Bogart, Mr. GRESSENS, Mr. MCFARLANE, Mr. LANDON, Mr. McMULLAN, Mr. GERIG, Mr. HURD, Mr. TOBIAS, Mr. GUEST, Mr. HUBER

25. Economic History of England.—*I; (3).*

Professor BOGART

Prerequisite: 30 hours of university work.

26. Economic Resources.—Environment influences affecting commercial and industrial development; products and industries of different countries, especially of the United States. Open to freshmen and sophomores only. *I; (3).*

Mr. VALENTINE, Mr. DICKINSON, Mr. GRESSENS, Mr. LANDON, Mr. McMULLAN, Mr. HURD, Mr. TOBIAS, Mr. STEWART, Mr. GUEST, Mr. HUBER

55. Economics of Insurance.—Historical development and economic aspects. *I; (3).* (This course was formerly numbered Economics 33.) Professor ROBINSON

Prerequisite: Economics 1 or 2.

Courses for Advanced Undergraduates and Graduates

8. Foreign Exchange and The Money Market.—*II; (3).*

Professor WESTON

Prerequisite: Economics 1 and 3; senior standing.

9. Advanced Theory and Practise of Banking.—*I; (3).*

Professor WESTON

Prerequisite: Economics 1 or 2 and 3; senior standing.

10. Corporation Finance and Management.—II; (3). Professor ROBINSON, Mr. BROWN, Mr. ALLEN, Mr. RASMUSSEN.
Prerequisite: Economics 1 and 3.
11. Industrial Consolidation.—The growth of monopoly. I; (3).
Professor ROBINSON
Prerequisite: Economics 10.
13. Marketing and Prices of Agricultural Products.—I; (2). Mr. WRIGHT
Prerequisite: Economics 1 or 2; junior standing.
14. Cooperation in Agriculture.—(Open to junior and senior students of agriculture only). II; (2). Mr. WRIGHT
Prerequisite: Economics 1 or 2.
15. Financing Agriculture.—(Open to junior and senior students of agriculture only). II; (2). Mr. WRIGHT
Prerequisite: Economics 1 or 2.
24. Industrial Development of Modern Europe.—II; (3). Professor BOGART
Prerequisite: Economics 1 or 2; junior standing.
31. Organization of Foreign Commerce.—Exporting and importing; ocean transportation; line and charter traffic; institutions for furthering export trade; the consular service; entry of goods; the work of the custom house. II; (3).
Assistant Professor WRIGHT, Mr. VALENTINE
Prerequisite: Economics 28.
36. Investments.—II; (2). Professor ROBINSON
Prerequisite: Economics 10; Accountancy 1a and 1b; senior standing.
41. Labor Problems and Labor Organization. I; (3).
Professor WATKINS, Mr. BERMAN, Mr. DICKINSON, Mr. TOBIAS
Prerequisite: Economics 1 or 2; junior standing.
42. Labor Legislation.—II; (3). Professor WATKINS, Mr. BERMAN, Mr. DICKINSON
44. Socialism and Economic Reform.—II; (3). Professor WATKINS
Prerequisite: Economics 1 or 2.
51. Public Finance.—I; (3). Assistant Professor HUNTER, Mr. BROWN, Mr. ALLEN
Prerequisite: Economics 1.
52. Taxation.—II; (3). Assistant Professor HUNTER
Prerequisite: Economics 51.
61. Economic Theory.—I; (3). Professor WESTON
Prerequisite: Economics 1; junior standing.

Courses for Graduates

101. Economic Theory.—*Twice a week; I, II; (1 unit)*. Professor WESTON
105. Public Finance.—The history and theory of public revenue and expenditure.
Twice a week; I, II; (1 unit). Assistant Professor HUNTER
107. The Corporation in Economic Evolution.—*Twice a week; I, II; (1 unit)*.
Professor ROBINSON
112. Labor Problems.—*Twice a week; I, II; (1 unit)*. Associate Professor WATKINS
122. Economic History of the United States.—*Twice a week; I, II; (1 unit)*.
Professor BOGART
118. Seminar.—I, II. Members of the Staff

Summer Session Courses

Courses for Undergraduates

- S2. Principles of Economics.—(3).
Assistant Professor LITTLETON, Mr. BROWN, Mr. CRABB
Prerequisite: One year of university work or (for teachers) the permission of the instructor.
Equivalent: Economics 2.
- S3. Money and Banking.—Money; monetary system of the United States; money and prices; credit and banking; domestic and foreign exchange; banking system of the United States compared with other banking systems. (2½)
Mr. BROWN
Prerequisite: 5 hour course in the principles of economics or the permission of the instructor.
Equivalent: Economics 3 when used as a prerequisite.

Courses for Advanced Undergraduates and Graduates

S12c. Labor Problems.—Genesis and development of industrial relations; analysis of the labor problem; proposed solutions; critical analysis of the position and standpoint of the worker, the employer, the community. (3). Associate Professor WATKINS

Prerequisite: Economics 1 or 2; senior standing.

Equivalent: Economics 41.

EDUCATION

Professors CHADSEY, HOLLISTER, CAMERON, MONROE, PAUL; Associate Professors SEYBOLT, NOLAN, MAYS; Assistant Professors BELTING, LYTLE; Mr. KRUSÉ, Mr. REID, Mr. ROBINSON, Miss ALLYN, Mr. WILLIAMS, Mr. McCLUSKY, Mr. ODELL, Mr. SMITH, Mr. BRAUCHER, Mr. CROXTON, Mr. KNOX, Mr. FOSTER, Miss PHILLIPS, Miss McHARRY, Miss BEATTY, Miss McCAMMON, Miss BOWLUS, Miss SANKEE, Miss BATTERTON, Mrs. JOHNSTON, Mr. SOUDERS, Mr. KELLEY, Mr. THOMPSON.

Major: For students in the College of Liberal Arts and Sciences, 20 hours including educational psychology, history of education, technic of teaching, and principles of secondary education.

Minors: 20 hours made up from either (a) courses in any university subject represented in the high-school program; or (b) courses in any or two of the following departments: psychology, sociology, philosophy, and political science.

For the year 1921-22 the teachers' courses offered in the respective departments in the College of Liberal Arts and Sciences and the School of Music will be accepted, in the case of seniors, in the College of Education for the teachers' courses which will be organized later in the College of Education.

A. GENERAL COURSES IN EDUCATION

Introductory Courses

- 2. History of Education.**—(A general survey). I, II; (3). Associate Professor SEYBOLT
Prerequisite: Junior standing.
- 3. Survey of Modern Educational Problems.**—A consideration of problems of the public schools from the standpoint of the citizen. Designed especially for students who are not planning to enter the teaching profession. I, (3). Professor CHADSEY
Prerequisite: Sophomore standing.
- 5. Comparative Education.**—(Historical). II; (3). Associate Professor SEYBOLT
Prerequisite: Junior standing.
- 10. Technic of Teaching.**—Types of classroom exercises and preparation of teaching plans; the hygiene of instruction; classroom management; professional ethics. Observation of teaching in neighboring high schools. (This course with Education 25 is, by Senate ruling, required of all students who are given the official recommendation of the Appointments Committee for teaching positions in secondary schools). I, II; (3). Assistant Professor BELTING, Mr. ODELL, Mr. KRUSÉ
Prerequisite: Education 25.
- 25. Educational Psychology.**—(Introductory course). Instinct; habit and the acquisition of skill; perception and memory, conception, judgment, and reasoning; applications to school subjects; lectures, readings, demonstrations. (This course with Education 10 is, by Senate ruling, required of all students who are given the official recommendation of the Appointments Committee for teaching positions in secondary schools). I, II; (3). Professor CAMERON, Mr. KRUSÉ, Mr. McCLUSKY
Prerequisite: Psychology 1.

Courses for Advanced Undergraduates and Graduates.

- 4. Problems of Educational Administration.**—Present tendencies as exemplified in the school systems of typical cities and states; recent educational experiments in administration. II; (3). Professor CHADSEY
Prerequisite: Senior standing or consent of instructor.
- 6. Principles of Secondary Education.**—Evolution of high schools and of the fundamental conceptions of secondary education; proposed reorganization; relation of high schools to the state systems; legal status; articulation with the elementary school, the college, the technical school, the community, and the home; the teaching staff; reconstruc-

tion of curriculums, "controls" of instruction; direction of "student activities." Planned for those who expect to teach in secondary schools. *I, II; (3).*

Assistant Professor BELTING

Prerequisite: Education 25 and senior standing.

9. Educational Administration in Rural and Village Schools.—Application of the general principles of administration to the rural and village situation; relations of superintendent or principal to community, school board, patrons, teachers and pupils; the school as a community center. *II; (2).*

Mr. ODELL

Prerequisite: Education 10 or consent of instructor.

11. Ancient and Medieval Education.

Associate Professor SEYBOLT

Prerequisite: Senior standing. *I; (3).*

18. Theory of Educational Measurements.—Theory and principles of the derivation and evaluation of educational tests. *I; (3).*

Professor MONROE

Prerequisite: Education 25.

20a. Theory of Supervision.—Training teachers in service; measuring educational products; qualities of merit and causes of failure in teachers; selection of teachers; organization of teachers' meetings and other agencies for improving the teaching service. *I; (3)*

Assistant Professor BELTING

Prerequisite: Education 25 or its equivalent.

21. Units, Scales, and Standards.—Administration and interpretation of educational tests. The student will be made acquainted with the most important educational tests, both in the elementary and high school field and with their standards. *II; (3).*

Professor MONROE

Prerequisite: Education 18.

27. High-School Curriculums.—Important historic curriculums for secondary education; modern curriculum-making; professional supervision; textbooks, apparatus, and teaching devices; the construction of curriculums for typical communities. *II; (3).*

Assistant Professor BELTING

Prerequisite: Education 25 or 6 (preferably both).

30. History of American Education. *II; (3).*

Associate Professor SEYBOLT

Prerequisite: Senior standing; Education 2, or Education 11.

41. Principles of Vocational Education.—An introduction to the field of secondary vocational education. The psychological and sociological bases of vocational education; problems, institutions, methods, contemporary movements, and legislation; applications of research in relating industry and education. Lectures, readings, discussions. *I, II; (3).*

Associate Professor MAYS

Prerequisite: Junior standing, or consent of the instructor.

43. Mental Tests.—Laboratory drill in the technic of mental tests, including tests of sensory capacities; attention; memory; learning; suggestibility; inventiveness; systems of tests for diagnosis of mental age; general intellectual status; mental retardation. *II; (3).*

Professor CAMERON

Prerequisite: Education 25 or an equivalent, and the consent of the instructor.

44. Educational Psychology.—(Laboratory course). *I; (3).*

Professor CAMERON

Prerequisite: Education 25.

45. Advanced Educational Psychology.—*I, II; (3).*

Professor CAMERON

Prerequisite: Education 25.

50. Teaching.—Practical experience in teaching classes. See Educational Practise.

Prerequisite: Senior standing.

Courses for Graduates

101. Seminar in Educational Theory.—The philosophical basis of educational theory. *II; (1 unit).*

Professor CAMERON

102. Seminar in History of American Education—*II; (1 unit).*

Associate Professor SEYBOLT

104. Seminar in Educational Administration.—*II; (1 unit).*

Professor CHADSEY

106. Seminar in Secondary Education.—Discussion and investigation of the following problems: State aid to secondary education; finance, taxation, revenues, bonds; buildings; equipment; records. *II; (1 unit).*

Assistant Professor BELTING

121. Seminar in Educational Measurements.—A critical study of the derivation of typical educational tests. The students will also be required to make individual investigations and reports. *II; (1 unit).*

Professor MONROE

Prerequisite: Education 18 or 118.

125. Seminar in Educational Psychology.—Psychology of school subjects. *I; (1 unit).* Professor CAMERON

Departmental Conference.—All graduate students majoring in education are expected to meet with the departmental staff the first and third Mondays of each month from 7 to 9 p. m. *I, II; (no credit).*

Summer Session Courses

(The content of these courses is, in general, the same as in the regular session.)

Courses for Undergraduates

- S5. Comparative Education.—(2½). Associate Professor SEYBOLT
 S10. Technic of Teaching.—(2½). Mr. WILLIAMS
 S25. Educational Psychology.—(2½). Professor CAMERON, Mr. KRUSÉ, Mr. McCLUSKY

Courses for Advanced Undergraduates and Graduates

- S4a. Special Problems in Educational Administration.—(1½). Professor CHADSEY
 S6. Principles of Secondary Education.—(2½). Professor HOLLISTER
 S11. History of Ancient and Medieval Education.—(2½). Associate Professor SEYBOLT
 S22. High-School Educational Measurement.—(2). Professor MONROE
 S23. Educational Statistics.—(2). Professor MONROE
 S27. Principles and Construction of High-School Curriculums.—(2½). Assistant Professor BELTING
 S43. Mental Tests.—(2). Professor CAMERON
 S60. High-School Administration.—(2½). Assistant Professor BELTING

Courses for Graduates

- S104. Seminar in Problems in Educational Administration.—(½ unit). Professor CHADSEY
 S106. Seminar in High-School Administration.—(½ unit). Assistant Professor BELTING
 S121. Seminar in Educational Measurements.—(½ unit). Professor MONROE
 S125. Seminar in Educational Psychology.—(½ unit). Professor CAMERON

B. EDUCATIONAL PRACTISE

The courses in educational practise take the place of the courses formerly known as Education 50 and Agricultural Education 50 and are offered both semesters.

Open to seniors in the College of Education and in certain cases with the consent of the instructor to juniors.

1. Athletic Coaching.—*I, II; (1-3)*¹
2. Athletic Coaching.—*I, II; (1-3)*¹
3. Athletic Coaching.—*I, II; (1-3)*¹
4. Athletic Coaching.—*I, II; (1-3)*¹
5. Agricultural Education.—*I, II; (3-5)*¹ Mr. KELLEY, Mr. THOMPSON
6. Botany.—*I, II; (5).* Mr. CROXTON
7. Chemistry.—*I, II; (5).* Mr. SMITH
8. Civics.—*I, II; (5).* Mr. FOSTER
9. Drawing, Art and Design.—*I, II; (3-5)*¹
10. Drawing Mechanical.—*I, II; (3-5)*¹ Mr. BRAUCHER
11. English.—*I, II; (5).* Miss McHARRY, Miss BEATTY, Miss McCAMMON
12. French.—*I, II; (5).* Mr. KNOX
13. General Science.—*I, II; (5).* Mr. CROXTON
14. Home Economics Education.—*I, II; (5).* Miss ALLYN, Miss ROBINSON
15. History.—*I, II; (5).* Mr. FOSTER
16. Industrial Education.—*I, II; (3-5)*¹ Mr. BRAUCHER

¹In registering for a course with variable credit hours, a student must put down on his study list *not* the possible hours, as shown here, but the number of hours for which *he* intends to take the course; e. g., not 2-5, but 2, or 3, or 4, or 5.

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| 17. Latin.— <i>I, II; (5).</i> | Miss BOWLUS |
| 18. Manual Training.— <i>I, II; (3-5).¹</i> | Mr. BRAUCHER |
| 19. Mathematics.— <i>I, II; (5).</i> | Miss BATTERTON, Miss BELL |
| 20. Music.— <i>I, II; (3-5).¹</i> | Miss PHILLIPS |
| 21. Physics.— <i>I, II; (5).</i> | Mr. SMITH |
| 22. Physiology.— <i>I, II; (5).</i> | Mr. CROXTON |
| 23. Zoology.— <i>I, II; (5).</i> | Mr. CROXTON |

C. AGRICULTURAL EDUCATION

50. **Teaching.** See Educational Practise 5.—Students enrolled in this course will become members of agricultural classes in Champaign, Urbana, and other high schools where vocational classes for teaching practise may be organized, and teach under the supervision of a staff teacher for one semester. Sections will be arranged for the supervision of home projects, class room teaching, and for conferences. *I, II; (2-5).¹*

Mr. REID, Mr. KELLEY, Mr. THOMPSON

Prerequisite: Education 10 and senior standing.

Required of vocational teachers.

51. **Teachers' Course in Agriculture.**—Principles and methods in teaching vocational agriculture; considerations of the problems of elementary and secondary school agriculture. *I or II; (3).*

Associate Professor NOLAN

Prerequisite: Education 10 or 25.

Required of vocational teachers.

90. **Rural and Agricultural Education.**—For rural leaders. Rural life conditions, needs, standards and agencies for improvement. The place and development of agricultural education in rural progress. *I; (3).*

Associate Professor NOLAN

91. **Agricultural Education.**—For graduates and undergraduates. Major problems of agricultural education; administration, supervision and teaching in vocational agriculture; special research work to meet the needs of students' interests. *II; (3-5).¹*

Associate Professor NOLAN

Prerequisite: Agricultural Education 50, 51 and senior standing.

Summer Session Courses

(All courses in agricultural education are designed for teacher training in vocational agriculture, meeting the provisions of the Smith-Hughes Act for Vocational Education.)

S1. **General Agriculture.**—(2½). Mr. REID

S50D. **Project Supervision.**—(2). Mr. REID

S51. **Teachers' Course in Agriculture.**—(2½). Associate Professor NOLAN

S90. **Rural Education.**—(2). Associate Professor NOLAN

Courses for Advanced Undergraduates and Graduates

S91. **Agricultural Education.**—(3-5).¹ Associate Professor NOLAN

S8. **Agronomy—Special Farm Crops.**—(2-5).¹ Professor BURLISON, Mr. PIEPER

D. HOME ECONOMICS EDUCATION

1. **Teachers' Course.**—Methods of presenting the work, and its correlation with other subjects. Practise in planning courses and presenting lessons. Two inspection trips are made to other schools, one in April and one in May. The total cost does not exceed \$5.00. Same as Home Economics 11. Required of all who wish to be recommended to teach Home Economics. *II; (3).*

Miss ROBINSON, Miss ALLYN

Prerequisite: For non-Smith-Hughes students: Home Economics 5, 12, 13, 34. For Smith-Hughes students: Home Economics 5, 13, 31.

2. **Teachers' Course.**—The development of home economics as one of the factors in the education of women; the work in different types of institutions; the planning of courses for these types. Same as Home Economics 13. Required of all who wish to be recommended to teach Home Economics. *I; (3).*

Miss ROBINSON

Prerequisite: Senior standing.

3. **Practise Teaching.** See Educational Practise 14.

¹In registering for a course with variable credit hours, a student must put down on his study list *not* the possible hours, as shown here, but the number of hours for which *he* intends to take the course; e. g.; not 2-5, but 2, or 3, or 4, or 5.

Summer Session Courses

S12. Teachers' Course.—(Corresponds with Home Economics 11 in the regular year). The development of Home Economics as one of the factors in the education of women. Methods of presenting the work and its correlation with other subjects. Practise in planning courses and presenting lessons. Lecture and discussion. (3) Miss ANDERS
Prerequisite: For non-Smith-Hughes students: Home Economics 5, 12, 13, 34. For Smith-Hughes students: Home Economics 5, 13, 31.

E. INDUSTRIAL EDUCATION

1. **Manual Arts.**—First Course, *I, II*; (4). Associate Professor MAYS, Mr. BRAUCHER
 - 2a. **Advanced Manual Arts.**—*I, II*; (4). Associate Professor MAYS, Mr. BRAUCHER
 3. **Mechanical Drawing.**—The same as General Engineering Drawing 1. *I, II*.
 4. **Forge and Pattern Work.**—The same as Mechanical Engineering 75 and 79. *I, II*.
 5. **Foundry Work.**—The same as Mechanical Engineering 77. *II*.
 6. **Machine Shop.**—The same as Mechanical Engineering 81. *I*.
 7. **Machine Shop.**—The same as Mechanical Engineering 82. *II*.
- Courses for Advanced Undergraduates and Graduates
50. **Survey of Industrial Education.**—*Prerequisite:* Junior standing, instructor's consent. *II*; (1-3)¹. Associate Professor MAYS
 54. **Principles and Methods of Part-time Teaching.** *II*. (3). Associate Professor MAYS
 57. **Organization of Shopwork.**—*I, II*; (3). Associate Professor MAYS
 61. **Supervised Teaching of Manual Arts.**—*I, II*; (5). See Educational Practise
 16. **Mr. BRAUCHER.** Mr. BRAUCHER
 - E 41. **Survey of Vocational Education.**—Same as Education 41. Extra-mural.
Prerequisite: Age over 21 years. (1-3).
 - E 50. **Survey of Industrial Education.**—Same as Industrial Education 50. Extra-mural.
 - E 52. **Teaching Related Trade Subjects.**—(1-3)¹ Extra-mural.
 - E 54. **Principles and Methods of Part-time Teaching.**—Same as Industrial Education
 54. Extra-mural.
 - E 54a. **Continuation of Industrial Education E 54.**—Extra-mural.
 - E 56. **Teaching Shopwork.**—Extra-mural.
Prerequisite: (a) Two years of trade or industrial experience beyond the apprenticeship; (b) Completion of elementary school curriculum. (1-3)¹.

Summer Session Courses

S3. Woodwork.—A general course in woodworking practise and methods, involving both handtools and machinery in woodworking projects adapted to the needs and purposes of the class. (2½). Associate Professor MAYS

S54. Teaching General Continuation Subjects.—Discussion of aims and methods best adapted to teaching such subjects as industrial history, geography, economics; English; sanitation, safety, and hygiene; citizenship; as well as practical commercial subjects in general continuation part-time schools and classes. Practise in analyzing and classifying content of such subjects for instructional purposes. Lesson planning. (2½). Associate Professor MAYS

Prerequisite: Junior standing or consent of instructor.

ELECTRICAL ENGINEERING

Professors PAINE, BROOKS; Assistant Professors WALDO, KNIGHT, TYKOCINER; Mr. REID, Mr. BROWN, Mr. BURKHART, Mr. PARKER, Mr. BULLIONS, Mr. KEENER, Mr. BELL, Mr. PERKINS, Mr. PRICE.

4. Elementary Electrical Engineering.—Electrical machinery; selection, installation, and operation; distribution of power; motor applications. *II*; (2). Professor BROOKS

Prerequisite: Physics 1a-1b, 3a-3b; junior standing.

¹In registering for a course with variable credit hours, a student must put down on his study-list, *not* the possible hours, as shown here, but the number of hours for which *he* intends to take the course; e.g., not 1-3, but 1, or 2, or 3.

8. Electric Currents and Apparatus.—Direct and alternating current circuits and machines; storage batteries. (Especially for students in chemical engineering.) *I*; (3).
Professor BROOKS, Mr. PERKINS

Prerequisite: Physics 1a-1b, 3a-3b; registration or credit in Mathematics 7; registration in Electrical Engineering 68.

11. Direct Current Apparatus.—Generators, motors, distribution circuits; storage batteries. (For students in general and mechanical engineering.) *I*; (3).
Mr. PARKER, Mr. BULLIONS

Prerequisite: Physics 1a-1b, 3a-3b; Mathematics 8 or 9.

12. Alternating Current Apparatus.—Generators and motors, transformers, distribution systems. (For students in mechanical engineering.) *II*; (3).
Mr. PARKER, Mr. BULLIONS

Prerequisite: Electrical Engineering 11, 61; registration in Electrical Engineering 62.

25. Direct Current Apparatus.—Laws of electric and magnetic circuits; construction and operation of direct current generators and motors. *I*; (4).
Assistant Professor KNIGHT, Mr. BROWN

Prerequisite: Mathematics 9; registration in Electrical Engineering 75 and Physics 44a.

26. Alternating Currents.—Mathematical and graphical treatment of periodic currents; phenomena in transmission lines and transformers. *II*; (4).
Assistant Professor KNIGHT, Mr. BROWN

Prerequisite: Electrical Engineering 25; Physics 44a; registration in Electrical Engineering 76.

35. Alternating Current Apparatus.—Transformers and generators. *I*; (4).
Professor PAINE, Mr. KEENER

Prerequisite: Electrical Engineering 26, 76; registration in Electrical Engineering 85.

36. Alternating Current Apparatus.—Synchronous, induction, and commutator motors; rotary converters; distributed inductance and capacity; transient phenomena. *II*; (4).
Professor PAINE, Mr. KEENER

Prerequisite: Electrical Engineering 35, 36; registration in Electrical Engineering 86.

51. Radio Communication.—A mathematical and physical study of the principles of radio telegraphy and telephony; experimental work with radio equipment. *I*; (3).
Mr. BROWN

Prerequisite: Senior standing in Electrical Engineering.

52. Radio Communication.—Continuation of Electrical Engineering 51. *II*; (3).
Mr. BROWN

Prerequisite: Electrical Engineering 51.

55. Electrical Design.—Electromagnets and dynamos, direct and alternating; transformers. *I*; (2).
Assistant Professor WALDO, Mr. BELL

Prerequisite: Electrical Engineering 26; registration in Electrical Engineering 35.

56. Electrical Design.—Power plant design. *II*; (4).
Assistant Professor WALDO, Mr. BELL

Prerequisite: Electrical Engineering 35; Mechanical Engineering 2.

61. Direct Current Laboratory.—Circuits and machines. (For students in general and mechanical engineering.) *I*; (1).
Mr. PARKER, Mr. BULLIONS

Prerequisite: Registration in Electrical Engineering 11.

62. Alternating Current Laboratory.—Alternating current circuits and machines. (For students in mechanical engineering.) *II*; (1).
Mr. PARKER, Mr. BULLIONS

Prerequisite: Electrical Engineering 11, 61; registration in Electrical Engineering 12.

64. Electrical Engineering Laboratory.—Testing of dynamos and motors. *II*; (1).
Mr. PERKINS, Mr. PRICE

Prerequisite: Registration in Electrical Engineering. 4.

68. Electrical Engineering Laboratory.—Direct and alternating current circuits and machines. *I*; (1).
Mr. PRICE, Mr. PERKINS

Prerequisite: Registration in Electrical Engineering 8.

71-72. Electrical Engineering Laboratory.—The construction of special apparatus or other work approved by the department. (Elective for juniors and seniors.) *I*, *II*; (1-3).¹

Prerequisite: Registration in Electrical Engineering 25.

¹In registering for a course with variable credit hours, a student must put down on his study-list, not the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but 2, or 3, or 4, or 5.

75. **Electrical Engineering Laboratory.**—Direct current laboratory accompanying Electrical Engineering 25. *I*; (2). Mr. BURKHART
Prerequisite: Registration in Electrical Engineering 25.
76. **Electrical Engineering Laboratory.**—Flux and E. M. F. waves of alternators. Alternating current circuits, instruments. *II*; (2). Mr. BURKHART
Prerequisite: Electrical Engineering 25, 75; registration in Electrical Engineering 26.
85. **Electrical Engineering Laboratory.**—Advanced alternating current testing. *I*; (2). Mr. REID
Prerequisite: Electrical Engineering 76; registration in Electrical Engineering 35.
86. **Electrical Engineering Laboratory.**—Advanced alternating current testing. *II*; (2). Mr. REID
Prerequisite: Electrical Engineering 85; registration in Electrical Engineering 36.
90. **Lighting.**—Electric lamps and other illuminants, and their effective use; interior wiring; methods of distribution. (For students in architecture.) *I* (half semester only); (1). Professor BROOKS
Prerequisite: Junior standing.
92. **Lighting and Wiring.**—(First half of semester same as E. E. 90). Distribution and fusing. Underwriters' rules; motors. (For students in architectural engineering.) *I*; (2). Professor BROOKS
Prerequisite: Junior standing.
- 95-96. **Seminar.**—Electrical railroading; illumination; telegraphy; telephony; storage batteries; electric metallurgy. *I, II*; (1). Professor PAINE
Prerequisite: Junior standing.
98. **Thesis.**—First semester: preliminary reading and investigation; second semester: completion. *I, (no credit); II, (3)*.
99. **Inspection Trip.**—*I*; (no credit).
Prerequisite: Senior standing.

Courses for Graduates

Entrance on graduate work in electrical engineering presupposes the full undergraduate course in that subject.

101. **Advanced Course in Alternating Currents.**—The theory of Transient Phenomena; polyphase circuits; measuring apparatus. *Twice a week; I, II; (1½ units)*
 Professor PAINE
103. **Electrical Design.**—Plans for specified machine or apparatus; or for the arrangement of an electrical plant; or for the installation of such machinery or apparatus. *Twice a week; II; (1 unit)*.
 Assistant Professor WALDO
105. **Electrical Engineering Research.**—Investigation of electrical phenomena or tests of some electrical machine, or of a plant of such machines. *Twice a week; I, II; (1 to 3 units)*.
 Professor PAINE

ENGINEERING

(See ARCHITECTURE, CERAMIC ENGINEERING, CIVIL ENGINEERING, DRAWING, ELECTRICAL ENGINEERING, MECHANICAL ENGINEERING, MECHANICS, MINING ENGINEERING, MUNICIPAL AND SANITARY ENGINEERING, PHYSICS, RAILWAY CIVIL ENGINEERING, RAILWAY ELECTRICAL ENGINEERING, AND RAILWAY MECHANICAL ENGINEERING).

THE ENGLISH LANGUAGE AND LITERATURE

(Including RHETORIC, JOURNALISM, PUBLIC SPEAKING, and SCANDINAVIAN)

Professors SHERMAN, DODGE, CLARK, BERNBAUM, FLOM, PAUL; Associate Professors SCOTT, JONES, ZEITLIN, WOOLBERT; Assistant Professors BALDWIN, HILLEBRAND, BOYER, RINAKER; Dr. WEIRICK, Mrs. SAUNDERS, Dr. PARRY, Miss KYLE, Mr. LEISY, Miss HOGUE, Dr. BUNDY, Miss SYFORD, Mr. TROUTMAN, Dr. TUPPER, Mr. WRIGHT, Mr. WATSON, Mr. DOLCH, Dr. CAMPBELL, Miss CRAIG, Mr. COLBY, Mr. BRADY, Mr. CLIPPINGER, Mr. CRECRAFT, Miss LOWE, Miss BUSWELL, Mrs. RINGLAND, Miss FLETCHER, Miss HUMPHREYS, Miss BARBER, Miss PRANTE, Mr. RICE, Miss McSPARRAN, Miss KELLEY, Mr. COWIE, Mr. DOUGLAS, Mr. DIFFENBAUGH, Miss NELSON, Mr. OESTERLING, Miss SERGEANT, Mr. LANDIS, Mr. BURGUM, Mr. HARWOOD, Miss McANALLY, Miss FULLENWIDER, Mr. SECORD, Miss RAND, Mr. RILEY, Mr. SWENEY, Mr. DAVIS, Mr. MOWER, Mr. NELSON, Mr. GRAY, Miss ATKINSON, Miss CAMPBELL, Mr. McMINN, Mrs. CARLSON, Mr. HODGSON, Miss PRATHER. Cooperating in Summer Session: Professor RYAN, Dr. BREDVOLD, Dr. KNOWLTON.

Major: 20 hours in English excluding Rhetoric 1-2 and English 10, and including at least 10 hours in English literature, at least 3 hours in composition*, and at least 1 one-year course, or its equivalent, from the advanced group of courses.

Minors: 20 hours in either (a) one foreign language; or (b) in any two foreign languages; or (c) in one foreign language and philosophy; or (d) in one foreign language and history.

A. ENGLISH LITERATURE AND LANGUAGE

Elementary Courses

1-2. Survey of English Literature.—(Credit is not given for either semester separately, nor for the course in addition to course 10-11 or course 20.) *I, II; (4).*

Professor SHERMAN, Assistant Professor BALDWIN, Dr. TUPPER, Mr. COLBY, Mr. DIFFENBAUGH, Mr. RICE.

Prerequisite: One year of college work.

10-11. Introduction to Literature.—First semester: The forms of poetry. Second semester: The forms of prose literature. (This course is intended only for those who expect to include a considerable amount of literature, in English or in some other language, in their curriculum. Credit is not given for the course in addition to English 1-2 or 20 nor for either semester separately. One semester's work is credited toward a major in English.) *I, II; (3).* Professor DODGE, Professor PAUL, Associate Professor JONES, Associate Professor ZEITLIN, Assistant Professor HILLEBRAND, Assistant Professor RINAHER, Assistant Professor BOYER, Dr. PARRY, Miss KYLE, Dr. TUPPER, Mr. RILEY.

Prerequisite: The minimum entrance requirements in English.

12-13. American Literature.—(Credit is not given for either semester separately.) *I, II; (2).* Professor PAUL, Mr. LEISY

Prerequisite: English 1-2 or 10-11, or junior standing.

20. Chief English Writers of the Nineteenth Century.—The course aims to awaken an interest in literature by presenting the best thought of nineteenth century men of letters on religion, politics, economics, conduct, and social life. For those whose program admits of but one semester's work in English. (Students who have taken English 20 with a grade of B may, however, elect in their second semester English 22, 23, 24, and, in their junior and senior years may be admitted to other courses in literature with the consent of the instructor.) Credit is not given for the course in addition to English 1-2 or 10-11. *I or II; (4).* Assistant Professor BOYER, Dr. PARRY, Dr. WEIRICK, Dr. BUNDY. Dr. TUPPER, Mr. LEISY, Mr. BRADY, Miss HOGUE.

Prerequisite: One year of college work.

21-22. Literary Study of the Bible.—Hebrew literature as an expression of the life of the race that produced it; the debt, both ethical and artistic, of modern life to ancient Hebrew thought. (Either semester may be taken separately.) *I, II; (3).*

Assistant Professor BALDWIN

Prerequisite: Six hours of English literature.

23. Introduction to Shakespeare.—*I or II; (3).*

Professor SHERMAN, Assistant Professor HILLEBRAND, Miss LOWE

Prerequisite: English 1-2 or 10-11, or junior standing.

24. English Literature of the Victorian Period.—*II; (3).*

Miss KYLE

Prerequisite: Six hours of English literature.

29. English Literature from 1557 to 1688, Exclusive of the Drama.—*I; (3).*

Assistant Professor BALDWIN

Prerequisite: Six hours of English literature.

[31. English Literature from 1688 to 1789.—*II; (3).* Not given 1921-22.

Professor PAUL

Prerequisite: Six hours of English literature.]

33. English Literature from 1789 to 1837.—*I; (3).*

Associate Professor ZEITLIN

Prerequisite: Six hours of English literature.

43. Browning.—Intensive reading of the principal poems. *I; (3).*

Miss KYLE

Prerequisite: Six hours of English literature or junior standing.

44. Contemporary Poetry.—A study of writers representing the principal movements in contemporary poetry, with some attention given to the writing of verse and to the history of verse forms. *II; (3).*

Dr. WEIRICK

Prerequisite: Ten hours of English literature or junior standing.

*This requirement may be satisfied by Rhetoric 3, 6, 7, 17, 46; Journalism, 1-2, 9-10.

Courses for Advanced Undergraduates and Graduates

Prerequisite: Junior or senior standing and either ten hours of English literature or the consent of the instructor.

3. **The Poetry of Milton.**—Origin, forms, artistic and ethical values; Milton's place in English literary history. *II*; (3) Assistant Professor BALDWIN

[4. **English Versification.**—History and technic; reading of representative poems; verse composition; conferences. *I*; (2). Not given in 1921-22.]

5. **Shakespeare.**—Intensive study of six plays, with special emphasis on Hamlet. *II*; (3). Professor DODGE

25. **Chaucer.**—*I*; (3). Associate Professor JONES

26. **Spenser.**—*II*; (3). Associate Professor JONES

[27. **English Literary Periodicals and the Genesis of the Periodical Essay in the 17th and 18th Centuries.**—*I*; (2). Not given in 1921-22. Associate Professor SCOTT]

28. **The Magazine in America.**—*II*; (2). Associate Professor SCOTT

8-9. **Old English (Anglo-Saxon).**—Grammar; short poems; *Beowulf*. (The first semester may be taken separately.) *I, II*; (3). Professor DODGE

17. **History of the English Language.**—The development of its sound system, grammatical forms, and vocabulary, and the principles of its present usage. Undergraduates should obtain the consent of the instructor before registering. *II*; (3). Associate Professor ZEITLIN

35-36. **The English Drama (Exclusive of Shakespeare.)**—First semester: from the beginning to 1600. Second semester: from 1600 to 1700. (Either semester may be taken for separate credit). *I, II*; (3). Professor DODGE, Assistant Professor HILLEBRAND

38. **The Arthurian Tradition.**—The historical Arthur; Celtic influences; Old French Romances (in translation); the tradition in England to the present time, with especial attention to Malory and Tennyson. *II*; (3). Dr. PARRY

39. **Introduction to the Literature of the Middle Ages.**—Classical influences. Principal types; epic, romance, lay, allegory, fabliau, lyric. Important poems, both English and continental, will be read in translation. *I*; (3). Dr. PARRY

41. **The Teaching of English Literature.**—*I*; (2). (Not counted toward a major in English). Professor PAUL

42. **The Teaching of English Composition.**—*II*; (2). (Not counted toward a major in English). Professor PAUL

45. **The Development of the Modern Drama.**—Dramatic tendencies in the nineteenth century, both in England and on the Continent; representative reading, and lectures from the standpoint of comparative literature. *I*; (3). Assistant Professor HILLEBRAND

49. **Literary Treatment of Social and Economic Problems, 1770-1870.**—*II*; (3). Assistant Professor BOYER

52. **The Great Novelists of the Nineteenth Century.**—Scott, Jane Austen, Dickens, Thackeray, Hawthorne, George Eliot, Meredith, Hardy, Stevenson, etc. *I*; (3). Professor BERNAUM

53. **Mathew Arnold.**—A study of his prose and poetry with special reference to the currents of nineteenth century thought. *I*; (3). Professor SHERMAN

54. **Introduction to Comparative Literature.**—Introductory and comparative survey of the greatest Greek, Latin, Italian, Spanish, French, German, and English authors. The second semester may not be taken separately. *I, II*; (3). Professor BERNAUM, Professor OLDFATHER, Professor OLIVER, Professor FITZ-GERALD, Professor LESSING, Assistant Professor VAN HORNE.

60a-60b. **Thesis.**—Special training in investigation for candidates for honors and for other seniors. *I, II*; (2). Associate Professor ZEITLIN and others

Courses for Graduates

101. **Research in Special Topics.**—Guidance in writing thesis for advanced degrees. *I, II*; (1 or 2 units). Professor SHERMAN, Professor DODGE, Professor BERNAUM, Professor FLOM, Associate Professor SCOTT, Associate Professor JONES, Associate Professor ZEITLIN, Assistant Professor BALDWIN, Assistant Professor HILLEBRAND, Assistant Professor BOYER, Assistant Professor RINAKEK, Dr. BUNDY.

102. **A Critical and Bibliographical Survey of English Literature.**—From the Old English period to the nineteenth century. Primarily for candidates for the Master's degree. *Twice a week. I, II*; (1 unit). Assistant Professor RINAKEK

- [110. Old English (Anglo-Saxon) Poetry.—*Twice a week. I; (1 unit).* Not given in 1921-22. Professor DODGE]
114. Development of the Essay.—An examination of the various types of the English essay with references to Continental influences and classical origins. *I, II; (1 unit).* Associate Professor ZEITLIN
120. History and Principles of Literary Criticism.—Critical standards from Aristotle to Sainte-Beuve. The main types of criticism. *I, II; (1 unit).* Dr. BUNNY
128. Literature of the Sixteenth Century.—The persistence of certain medieval traditions reinforced by the Revival of Classical Learning; Catholicism, and Calvinism as sources of literary inspiration. *Twice a week. I, II; (1 unit).* Associate Professor JONES
- [135. Problems in American Literature.—*I, II; (1 unit).* Not given in 1921-22. Professor PAUL]
136. The Transition from the Seventeenth to the Eighteenth Century, 1675-1725.—The Rise of Classicism. *Twice a week. I, II; (1 unit).* Professor PAUL
137. Prose Writers of the Nineteenth Century.—Relation of literature to social forces; Mill, Carlyle, Newman, Ruskin, Arnold, Pater, and others. *Twice a week. I, II; (1 unit).* Professor SHERMAN
- [138. The Romantic Movement in England.—*I, II; (1 unit).* Not given in 1921-22. Professor SHERMAN]
- [139. The Sonnet Revival in the Eighteenth Century.—Special topics for investigation and reports with emphasis on methods of research. *Twice a week. I; (1 unit).* Not given in 1921-22. Assistant Professor RINAKER]
140. Investigation in Modern English Literature.—For second and third year graduate students who are preparing theses for the doctor's degree. May be taken in successive years. *Three hours, once a week. I, II; (1 to 3 units).* Professor BERNBAUM
141. The History of Seventeenth Century English Literature to About the Year 1675, beginning with Shakespeare's Sonnets.—*I, II; (1 unit).* Professor BERNBAUM
143. The Origin of the English Novel, and its History to the End of the Eighteenth Century.—The first semester may be not be taken separately. *I, II; (1 unit).* Professor BERNBAUM
- [144. Lincoln's Letters and Speeches.—Development of style, relation to period, textual study, contemporary estimates. *II; (1 unit).* Not given in 1921-22. Professor DODGE]

Summer Session Courses

Courses for Undergraduates

- S2a. Historical Survey of English Literature.—First part of the nineteenth century. Wordsworth, Coleridge, Lamb, Scott, Jane Austen, Byron, Shelley, Keats, Macaulay, Carlyle, etc. (2). Dr. KNOWLTON
- Prerequisite:* One year of college work or the equivalent.
- Equivalent:* First half of English 2. (Together with S2b this course covers the work of English 2. To be credited as equivalent to English 2, S2a and S2b must be taken simultaneously).
- S2b. Historical Survey of English Literature.—Second part of the nineteenth century. Tennyson, Browning, Arnold, Swinburne, Morris, Dickens, Thackeray, Eliot, Hardy, Stevenson, etc. (2). Dr. BREDVOLD
- Prerequisite:* One year of college work or the equivalent.
- Equivalent:* Second half of English 2 (see note under S2a).
- S12. American Literature.—Bryant, Irving, Cooper, Hawthorne, Emerson, Poe, Longfellow. Lectures, discussions, readings, and reports. (2). Associate Professor PAUL, Mr. LEISY
- Prerequisite:* Six hours of English literature or junior standing.
- Equivalent:* English 12.
- S23. Shakespeare.—Two Gentlemen of Verona, Midsummer Night's Dream, Richard III, Romeo and Juliet, Twelfth Night, Othello, Lear, Tempest. (2). Associate Professor PAUL, Mr. OESTERLING
- Prerequisite:* Six hours of English literature or junior standing.
- S29. English Literature from 1557 to 1688, Exclusive of the Drama.—(2½). Assistant Professor BALDWIN
- Prerequisite:* Six hours of English literature.
- Equivalent:* English 29 (in part).

Courses for Graduates and Advanced Undergraduates

S3. The Poetry of Milton.—(3).

Assistant Professor BALDWIN

Prerequisite: Two years of college work and the consent of the instructor.*Equivalent:* English 3.

S25. Chaucer.—Mediaeval ideals and English society in the fourteenth century,

(3). Dr. KNOWLTON

Prerequisite: Two years of college work, and the consent of the instructor.*Equivalent:* English 25.

Courses for Graduates

S101. Research in Special Periods.—Individual conferences arranged with graduate students engaged upon definite pieces of investigation. (*1 unit*).

Associate Professor PAUL, Assistant Professor BALDWIN

S136. The Transition from the Seventeenth to the Eighteenth Century, 1675-1725

—The Rise of Classicism. *Two hours a week. (½ unit)*. Associate Professor PAUL

B. RHETORIC

Courses for Undergraduates Only

O. Preparatory Composition.—A course for students who do not pass the preliminary test in Rhetoric I. Spelling, grammar, punctuation, sentence structure. *I or II; (no credit)*

Associate Professor SCOTT in charge; Miss SYFORD, Mr. SWENEY, Miss McANALLY

1-2. Rhetoric and Themes.—Required for students in the colleges of Liberal Arts and Sciences, Commerce, Engineering, and Agriculture. The course is not counted toward a major in English. *I, II; (3)*.

Associate Professor SCOTT in charge; Assistant Professor HILLEBRAND, Assistant Professor BOYER, Assistant Professor RINAKER, Dr. WEIRICK, Dr. PARRY, Mr. LEISY, Miss HOGUE, Dr. BUNDY, Miss SYFORD, Dr. CAMPBELL, Miss CRAIG, Mr. COLBY, Mr. BRADY, Miss LOWE, Miss BUSWELL, Mrs. RINGLAND, Miss FLETCHER, Miss HUMPHREYS, Miss BARBER, Miss PRANTE, Mr. RICE, Miss McSPARRAN, Miss KELLEY, Mr. COWIE, Mr. DOUGLAS, Mr. DIFFENBAUGH, Mr. OESTERLING, Mr. LANDIS, Mr. BURGUM, Miss McANALLY, Miss FULLENWIDER, Mr. SECORD, Miss RAND, Mr. RILEY, Mr. SWENEY, Mr. DAVIS, Mr. MOWERY, Mr. NELSON, Miss ATKINSON, Miss CAMPBELL, Mr. McMINN, Mrs. CARLSON, Miss PRATHER.

3a. Exposition.—Themes or topics of general interest; analysis of facts and ideas, literary reviews, and criticism; informal essays. *I or II; (3)*.

Miss KYLE, Dr. BUNDY, Miss FLETCHER

Prerequisite: Rhetoric 1-2.3b. Specialized Exposition.—Designed to meet the needs of students who desire instruction and criticism in the preparation of professional and scientific papers. *II; (3)*

Dr. BUNDY

Prerequisite: Rhetoric 1-2.3d. Description and Simple Narrative.—*II; (3)*.

Miss KYLE

Prerequisite: Rhetoric 1-2.6-7. Narrative Composition.—Practise in short story writing. (Intended for those who have some aptitude for literary work.) *I, II; (3)*.

Dr. WEIRICK

Prerequisite: Two years of college work and the consent of the instructor.10. Business Writing.—Correspondence; sales letters; study of current business literature related to letters and to the profession of business. Not counted toward a major in English). *I or II; (2)*.

Mrs. SAUNDERS, Mr. DOLCH, Mr. CLIPPINGER, Mr. DIFFENBAUGH, Mr. DAVIS

Prerequisite: Rhetoric 1-2.21. Advanced Business Writing.—Sales letters; circulars; bulletins; study of the structure of articles in current business periodicals and of the technique of business reports; development of material for reports and for magazine articles of a professional nature. *I or II; (2)*

Mrs. SAUNDERS

Prerequisite: Rhetoric 10.[22. Summarizing and Briefing.—Summarizing, briefing, and making reports; abstracts of correspondence on file; summarizing of commercial and economic data for the solution of business problems. (For students in the College of Commerce and Business Administration). *II; (2)*. Not given 1921-22.

Mrs. SAUNDERS

Courses for Advanced Undergraduates and Graduates

17. **Advanced Composition.**—The study of structure; criticism of current periodical literature; development of material for reports and magazine articles. *I*; (3).

Assistant Professor BOYER

Prerequisite: Two years of college work; the consent of the instructor.

46. **Dramatic Composition.**—Theory and practise. *II*; (3)

Assistant Professor HILLEBRAND

Prerequisite: Junior standing; the consent of the instructor.

Summer Session Courses
Courses for Undergraduates

S1. **Rhetoric and Themes.**—Principles of structure; grammar; punctuation; the sentence; reasoning processes. Four short themes a week and an occasional long theme. Oral and written exercises. (3). Mr. CLIPPINGER, Mr. DIFFENBAUGH, Mr. DOUGLAS

Prerequisite: Entrance credit in English.

Equivalent: Rhetoric 1.

S2. **Rhetoric and Themes.**—Principles of argumentation, narration, and description. (3). Mr. LEISY, Mr. DOLCH

Prerequisite: Rhetoric 1.

Equivalent: Rhetoric 2.

S3. **Exposition.**—Themes or topics of general interest; analysis of facts and ideas, literary reviews and criticisms; informal essays. Dr. BREDVOLD

Prerequisite: Rhetoric 1-2.

Equivalent: Rhetoric 3.

S10. **Business Writing.**—Correspondence; sales letters; practise in writing business reports and summaries. Lectures and discussions. (Not counted toward a major in English). Mr. DOLCH

Prerequisite: Rhetoric 1-2.

Equivalent: Rhetoric 10.

C. JOURNALISM

1. **The Collecting and Writing of News.**—Methods of approach; structure and style; drill in gathering news; exercises and assignments in writing the news-story; the types of newspaper narratives; news values. Five laboratory periods and three lectures a week. *I*; (3). Mr. WATSON, Mr. HARWOOD, Mr. WRIGHT, Mr. HODGSON

Prerequisite: Rhetoric 1-2.

2. **The Newspaper.**—(A continuation of Journalism 1.) Interviewing and newspaper correspondence; the organization and mechanical details of the newspaper; the work of the press associations. Practise in writing for newspapers. Five laboratory periods and three lectures a week. *II*; (3). Mr. WATSON, Mr. HARWOOD, Mr. HODGSON

Prerequisite: Journalism 1.

3. **Copy-reading and Head-Writing.**—Training in the reading of copy, re-writing, and the building of headlines. Four hours' work on the desk and one lecture a week. *I*; (2). Mr. WATSON

Prerequisite: Journalism 1 and 2, or equivalent experience.

4. **Make-up and Editorial Practise.**—Training in proof reading, handling correspondence, lay-outs, and art work, type selection, making-up, and editorial supervision. Four hours' work on the desk and one lecture a week. *II*; (2). Mr. WATSON

Prerequisite: Journalism 1, 2, and 3, or consent of the instructor.

[6. **Newspaper Policies.**—Personal forces in American journalism; the relation of the newspaper to the public; problems of proportion and display; newspaper campaigns; ethical aspects in the treatment of news, editorials, and advertising. *II*; (2). Not given in 1921-22.

Prerequisite: Junior standing.]

[7. **Making a Country Newspaper.**—Primarily for students interested in the publication of country weeklies and small city dailies. Small town conditions; rural news-gathering; country correspondence; circulation; advertising; business efficiency; print-shop equipment. Special investigations. *I*; (2). Not given in 1921-22.

Prerequisite: Junior standing.]

8. **Agricultural News Writing.**—Class exercises; analysis of representative farm journals; lectures; assignments in gathering and preparing material for agricultural and country papers. *II*; (3). Miss RAND

Prerequisite: Junior standing.

9-10. **Editorials and Special Articles.**—Sources and treatment of materials for editorials and articles; the interpretation of news; journalistic backgrounds; the relation of current events to the social sciences. Assigned readings; preparation of editorials; feature articles and reviews. *I, II*; (3). Associate Professor SCOTT

Prerequisite: Junior standing.

11. **History and Development of the American Newspaper.**—The place of the newspaper in the history of the country; great newspapers, leading editors; evolution of the newspaper and of journalism. *I*; (2) Associate Professor SCOTT

Prerequisite: Junior standing.

14. **The Magazine in America.**—*II*; (2). Associate Professor SCOTT

Prerequisite: Junior standing.

12. **Publicity Methods.**—*II*; (2). Mr. WRIGHT

Prerequisite: Junior standing.

[32. **Law of the Press.**—*II*; (2). Not given in 1921-22.

Prerequisite: Junior standing.]

D. PUBLIC SPEAKING

1. **Oral Expression.**—Theory and practise of oral expression for public and private address; elimination of mannerisms; cultivation of vocal purity and power; development of self-confidence and poise. *I* or *II*; (2).

Associate Professor WOOLBERT, Mr. TROUTMAN, Mr. CRECRAFT, Miss NELSON, Miss SERGEANT, Mr. GRAY.

Credit is not given for this course unless it is followed by Public Speaking 2 or 8.

Prerequisite: Rhetoric 1-2

2. **Extemporaneous Speaking.**—Theory and practise in coherent and effective organization of original materials, and in composition for practical public speaking; adaptation of speaking manner to subject matter; discussion of topics of current interest. *II*; (2).

Associate Professor WOOLBERT, Mr. CRECRAFT, Miss NELSON, Miss SERGEANT, Mr. GRAY.

Prerequisite: Public Speaking 1.

10. **Interpretation.**—Oral interpretation of literature. *II*; (2).

Associate Professor WOOLBERT, Mr. TROUTMAN, Miss NELSON, Miss SERGEANT, Mr. GRAY.

Prerequisite: Public Speaking 1.

3. **Argumentation.**—Theory of argumentative discourse, for the cultivation of ability in meeting the contentions of an opponent, in analytical and instructive thinking; briefing, speech-writing, training in detection of fallacies in popular argument, criticism of the literature of debate; text and exercises. *I*; (3). Mr. CRECRAFT

Prerequisite: Public Speaking 1 and 2.

4. **Debate.**—Application of the principles of argumentation to spoken debate, particularly political and intercollegiate discussions; team competition, adaptation of argument to various types of audience; popular debate; opportunities for practise debates before real audiences. *II*; (3). Mr. CRECRAFT

Prerequisite: Public Speaking 3.

5. **Persuasion.**—The winning of individuals and audiences by means of the written and spoken appeal; a study of the psychological sources of human action; primarily a study in matter, with secondary attention to appropriate platform manner and methods. *I*; (2). Associate Professor WOOLBERT

Prerequisite: Public Speaking 1 and 2.

6. **Forms of Public Address.**—Application of the principle of persuasion to particular types of address; practise in the composition and delivery of legislative, political, commemorative, dedicatory, inaugural, and academic addresses; the sales talk, plea for a client, the college oration, commencement address; lyceum lecture, and after-dinner talk. *II*; (2). Associate Professor WOOLBERT

Prerequisite: Public Speaking 1 and 2. Public Speaking 5 is recommended.

7. **A Study of Orators and Oratory.**—The lives, times, and works of distinguished speakers; required readings and reports, chiefly oral in the form of speeches; discussions, topical speeches, and declamations. *II*; (2). Associate Professor WOOLBERT

Prerequisite: Public Speaking 1 and 2 or 1 and 10.

8. **Dramatization.**—Impersonation and the principles of dramatic presentation. *II; (2).* Mr. TROUTMAN
Prerequisite: Public Speaking 1 and 10.
11. **Play Producing.**—The history and principles of the arts of the theatre and of staging plays. *I; (2).*
Prerequisite: Public Speaking 10.
12. **The Teaching of Public Speaking.**—Theories of speech-training; organization of courses; methods of teaching; coaching debate, oratory, theatricals; oral English; standards of criticism. *II; (2).* Associate Professor WOOLBERT
Prerequisite: Junior standing and the consent of the instructor.

Summer Session Courses

- S1. **Oral Expression.**—Vocal methods, relation of the voice to the interpretation of thought. *(2).* Professor RYAN
Prerequisite: Rhetoric 1 and 2 or equivalent.
Equivalent: Public Speaking 1.
 (Credit is not given for this course unless it is followed by Public Speaking 2 or 10, or an equivalent.)
- S10. **Interpretation and Dramatization.**—Oral reading of types of literature; principles of stage action; staging and acting of several one-act plays. *(2).* Professor RYAN
Prerequisite: Public Speaking 1 or an equivalent.
Equivalent: Public Speaking 10.
- S11. **Problems in the Teaching of Oral English.**—Primarily for high-school teachers. (1). Professor RYAN
Prerequisite: The consent of the instructor.

F. SCANDINAVIAN LANGUAGES AND LITERATURE

Undergraduate Courses not open to Freshmen

- 1a-1b. **Elementary Norwegian.**—Grammar; conversation; reading of Björnson's stories. *I, II; (3).* Professor FLOM
- 2a-2b. **Elementary Swedish.**—Grammar; conversation; composition. Easy readings. Elmquist's Swedish Reader. *II; (2).* Professor FLOM
- 3a-3b. **Intermediate Norwegian.**—First semester: Ibsen's *Et Dukkehjem*, and Lie's *Fortællinger og Skildringer*. Second semester: Björnson's *En Fallit* and selections from recent writers. *I, II; (2).* Not given in 1921-22. Professor FLOM
Prerequisite: Scandinavian 1 or the equivalent.
- 4a-4b. **Intermediate Swedish.**—Reading of selected works of present-day Swedish writers; lectures. *I, II; (2).* Not given in 1921-22. Professor FLOM
Prerequisite: Scandinavian 2 or the equivalent.
6. **Henrik Ibsen.**—Lectures; class study of three of the social dramas; parallel reading of three early and three of the later dramas. Archer's translation is used. The lecturers will consider especially materials not available in English. *II; (2).* Professor FLOM
Prerequisite: Junior standing.
12. **Norse Mythology.**—Primitive religion; the religious belief of the Norsemen in pre-Christian times; interpretation of the principal myths; the beginnings of literature. *I; (3).* Professor FLOM
16. **Lectures on Scandinavian Civilization from the Stone Age to 1000 A.D.**—Special emphasis upon relation to the early civilization of Western Europe. *II; (2).* Professor FLOM
Prerequisite: Junior standing.
14. **History of Old Norse Literature.**—Mythical lays, the court poetry, the sagas, the ballads. *I; (2).* Professor FLOM
Prerequisite: Senior standing

Courses for Graduates

Preparation for graduate work in the Scandinavian languages or literature must include a reading knowledge of one of the Scandinavian languages and systematic work in the undergraduate courses in Scandinavian or their equivalent. Any graduate student in language may, however, be admitted to the purely philological courses.

[101. Old Norse.—Introduction to the language as a member of the Germanic group Reading of the *Prose Edda* in part. *I, II; (1 unit)*. Not given in 1921-22.

[110. Advanced Old Norse.—A critical study of the lays of the *Elder Edda*. *I, II; (1 unit)*. Not given in 1921-22. Professor FLOM

150. Research.—Special problems in Scandinavian philology or literature. *II; (½ to 1 unit)*. Professor FLOM

ENTOMOLOGY

Professors METCALF, MACGILLIVRAY; Assistant Professor FOLSOM; Dr. GLASGOW, Mr. GLICK.

Major: 20 hours from courses offered in the department, except Entomology 1a, 1b, 4, and 16.

Minors: 20 hours in not more than three of the following: botany, zoology, physiology chemistry, horticulture and agronomy.

Beginning courses open to freshmen and without prerequisites are 1a, 1b, 4 and 16. Course 1a may best be followed by 2 or 4, course 1b by 2 or 7, and course 15 by 7 for juniors and 18 for seniors. Students preparing for service as economic entomologists should take as many of these courses offered as possible, including especially 1a, 2, 4, 7, 8, and 13. Such students should consult the Curriculum in Economic Entomology, given on page 113.

1a. Elementary Entomology.—The structure, function, inter-relations, origin, and development of insects, and the simpler generalizations of biological theory illustrated with insect material. Field observations; methods of collecting, mounting, and preparing insect materials for study, and the preparation of a reference collection of the commoner species and their work with special reference to injurious forms. Especially recommended for prospective teachers of zoology. Lectures, field, laboratory, and quiz work. (Students may not receive credit for both 1a and 1b). *I; (3)*. Dr. GLASGOW

1b. Elementary Entomology.—The life, development, anatomy, and classification of insects, together with the identification of some common species. Designed for those who wish to acquaint themselves with the most interesting phases of insect life, especially as a preparation for teaching of entomology and zoology. (Students may not receive credit for both 1a and 1b). *I or II; (3)*. Professor MACGILLIVRAY

2. General Entomology.—Morphological, physiological, and systematic entomology; the collection and preservation of specimens; field observations; studies of adaptive structures; classification and determination of insects; studies of life histories. *I, II; (3)*. Assistant Professor FOLSOM

Prerequisite: Entomology 1a or 1b.

4. Introduction to Economic Entomology.—Beneficial and injurious insects of the farm, orchard, garden, household, greenhouse and storeroom and those injurious to the health of man and the domestic animals, with especial reference to their control. Field work, practical problems, recitations, and laboratory. Primarily for students in the College of Agriculture and others who desire a very practical course; it may not be counted for satisfaction of group requirements in the College of Liberal Arts and Sciences. *I or II; (3)*. Professor METCALF, Dr. GLASGOW

5. Introduction to Research.—Library, foreign language, manuscript, and advanced laboratory work on assigned topics. Intended as a preparation for entomological thesis work. *I or II; (3)*. Assistant Professor FOLSOM

Prerequisite: Entomology 2 or 7 or 8.

[6a-6b. **Thesis Investigation.**—Subject selected during the junior year. Three hours a day given to investigation, under the supervision of an instructor during the senior year. *I, II; (5)*. Not given in 1921-22. Professor MACGILLIVRAY, Assistant Professor FOLSOM

Prerequisite: Entomology 5.]

[7a-7b. **Systematic Entomology.**—The external anatomy of insects; terminology of the parts; identification of specimens. *I, II; (5)*. Not given in 1921-22. Professor MACGILLIVRAY

Prerequisite: Entomology 1a or 1b.]

8a-8b. Advanced Economic Entomology.—Field, laboratory, insectary, library, and manuscript work on insects affecting live stock, cereal crops, fruit and garden crops, forest and shade trees and greenhouse or other ornamental plants. Especially intended to give the student of agriculture or horticulture ample preparation in the entomology of any one or more of these groups. Recommended also to prospective county advisors and to those preparing for service as professional entomologists. *I, II; (3)*. Assistant Professor FOLSOM

Prerequisite: Entomology 4.

13a-13b. Insects and Disease.—Insects and their allies which cause or transmit disease. Relation to public health. Recognition and control. (Especially for pre-medical, animal husbandry and home economics students and for those interested in problems of state, municipal, and home sanitation). Lectures; assigned readings; practical demonstrations. *I, II; (2).* Dr. GLASGOW

Prerequisite: Sophomore standing.

14. Medical Entomology.—Practical technic, methods employed in the study of arthropods which cause or transmit disease, and of disease-producing organisms disseminated by arthropods. (For pre-medical students and those taking entomology as a major; registration limited to ten students.) Laboratory; assigned reading; demonstrations. *I; (2).* Dr. GLASGOW

Prerequisite: Entomology 13, or registration in 13.

16. Apiculture.—The essentials of bee-keeping. Practical operations; laboratory observations; collateral reading. *II; (2).* Assistant Professor FOLSOM

Courses for Advanced Undergraduates and Graduates

[10a-10b. Taxonomy of Immature Insects.—External form of immature insects; their identification and classification. *I, II; (3).* Not given in 1921-22.

Professor MACGILLIVRAY

Prerequisite: Entomology 7 or 18a; senior standing.]

[11a-11b. Classification of the Coccidae.—Preparing scale insects for study; identification of genera and species; morphology, metamorphosis, and phylogeny. *I, II; (3).* Not given in 1921-22.

Professor MACGILLIVRAY

Prerequisite: Entomology 7 or 18a; senior standing.]

[15a. Introductory Course.—Metamorphosis and development of insects; orders, suborders, and families; habits of species; anatomy of immature and adult insects; special adaptive structures; classification of insects. *I; (3).* Not given in 1921-22.

Professor MACGILLIVRAY

Prerequisite: Two years of university work.]

[17a-17b. Insect Organogeny.—Adult and immature insects. *I, II; (3).* Not given in 1921-22.

Professor MACGILLIVRAY

Prerequisite: Entomology 7 or 18a; senior standing.]

[18a-18b. Insect Taxonomy.—Structures used in the classification of insects; identification of a representative collection of insects. *I, II; (5).* Not given in 1921-22.

Professor MACGILLIVRAY

Prerequisite: Three years of university work.]

Courses for Graduates

102. Research in the Morphology and Embryology of Insects.—*Twice a week; both semesters. One or two units.* Assistant Professor FOLSOM

108. Research in Economic Entomology.—*Once or twice a year; both semesters. One or two units.* Professor METCALF, Assistant Professor FOLSOM

109. Research in Systematic Entomology.—*Twice a week; both semesters. One or two units.* Professor MACGILLIVRAY

110. Research in the Biology and Ecology of Insects.—*Twice a week; both semesters. One or two units.* Professor METCALF

Summer Session Courses

Courses for Undergraduates

(2). S1. General Entomology.—Introduction to the study of insects in field and laboratory. Dr. GLASGOW

S3. Economic Entomology.—Life history and habits of the commoner injurious insects. Methods of control. (1). Dr. GLASGOW

Prerequisite: May be taken only by students registered at the same time in course S1.

Equivalent: (Together with S1) Entomology 4.

S5. Insects of the Vegetable Garden.—Practical studies of habits, development, and control of insects affecting vegetables. (2). Assistant Professor FOLSOM

S9. Insect Materials for Teachers of Biology.—(1). Dr. GLASGOW

Prerequisite: One year's experience in teaching biology, or junior standing in the University. May be taken only by students registered at the same time in course S1 or who have had an equivalent of that course.

Courses for Advanced Undergraduates and Graduates

- S2. Advanced Course.**—Instruction to meet the purposes of the individual student.
Assistant Professor FOLSOM

Courses for Graduates

- S108. Research in Economic Entomology.**—*Twice a week; arrange.* (1 or 2).
Professor METCALF, Assistant Professor FOLSOM

FARM MECHANICS

Professor LEHMANN; Assistant Professor SHAWL; Mr. SCHOLL, Mr. HEDGCOCK

1. Elementary Farm Mechanics.—Basic principles of mechanics, heat, and electricity, as applied to farm buildings, machinery, and general agricultural problems. Laboratory exercises include: rope work, soldering, babbitting, belt lacing, pipe fitting, shop practise, etc. *I or II; (3).*

2. Power Driven Machinery.—Adaptability, construction, principles of operation, adjustment, troubles, purchase, and care of field and belt driven machines for soil, seed, and feed preparation, and for seeding, cultivating, harvesting, and handling farm crops. Lectures, recitations, laboratory practise, *I; (3).*

Assistant Professor SHAWL, Mr. HEDGCOCK

Prerequisite: Farm Mechanics I.

3. Gas Engines and Tractors.—Internal combustion engines and tractors, theory, ignition, operation, and economy—practise in adjustments, troubles, and testing. Lectures; quizzes; laboratory. *II; (3).*

Prerequisite: Farm Mechanics I.

4. Farm Buildings.—Construction materials; construction, arrangement, design, and cost estimation of machine sheds, granaries, cribs, silos, poultry houses, swine houses, barns, and farm residences. Lectures, recitations, and drafting. *II; (3).*

Professor LEHMANN

Prerequisite: Farm Mechanics I.

5. Drainage.—Farm drainage and surveying; chaining, mapping, leveling, designing, setting grade stakes, laying tile. Lectures, field work and drafting. *I; (3).*

Professor LEHMANN

Prerequisite: Agronomy 9 or its equivalent.

11. Dairy Machinery and Equipment.—Dairy equipment, arrangement and materials of construction; types of pumps and principles of operation; kind of power, boilers, steam engines, electric motors, and gas engines; power transmission, electric, belts and shafting; ice houses, cold storage rooms; harvesting ice, its storage, principles of refrigeration and refrigerating systems as applied to dairy manufacturing; water supply; disposal of wastes; scales and conveyors. *II; (2).*

Mr. SCHOLL

Prerequisite: Farm Mechanics I.

12. Farm Home Equipment.—Equipment and machinery for the farm home, its relation to health and efficiency. Sanitation; ventilation; water supply, sources, quality, systems; plumbing, principles and construction; privies and septic tanks; house heating, house lighting; and laundry equipment. *II; (2).*

Professor LEHMANN

Prerequisite: Farm Mechanics I or its equivalent. Open to seniors in Home Economics.

17. Harvesting Machinery.—Advanced work in grain harvesting, binders, shockers, stackers, and threshers; corn harvesting, binders, shredders, ensilage cutters; hay harvesting, mowers, rakes, stackers, loaders, balers; special pea and soy bean harvesting machinery. *II; (3).*

Mr. HEDGCOCK

Prerequisite: Farm Mechanics I and 2.

18m-18n. Thesis: Farm Mechanics.—*I, II; (5-10).¹*

Professor LEHMANN, Assistant Professor SHAWL

Prerequisite: 90 hours credit before the senior year; 20 hours credit in subjects pertinent to the thesis problem and the approval of the head of the department.

19m-19n. Research Work in Farm Mechanics.—*I, II; (5-10).¹*

Professor LEHMANN, Assistant Professor SHAWL

20. Farm Concrete Construction.—Materials used in concrete construction; mixing and placing; simple comparative tests; specifications and estimates for farm concrete construction. Recitations, laboratory. *I; (2).*

Mr. SCHOLL

¹In registering for a course with variable credit hours, a student must put down on his study list, *not* the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but 2, or 3, or 4, or 5.

27. Drainage Design.—Designing of tile drainage systems from level note data and contour maps; estimating sizes, amounts, and cost of tile, and cost of system; designing of outlet open ditch systems for drainage districts; estimation of sizes and costs; drainage district laws; preparing bids on contract jobs; advanced field work. *I*; (1-5).¹

Prerequisite: Farm Mechanics 5.

Professor LEHMANN

28. Advanced Gas Engines and Tractors.—Advanced work in theory construction, ignition troubles, assembly, draw bar and belt h.p. ratings. Lectures and laboratory. *I*; (3). (Consult instructor before registering).

Prerequisite: Farm Mechanics 1, 2, 3.

Assistant Professor SHAWL

FARM ORGANIZATION AND MANAGEMENT

Professor HANDSCHIN; Assistant Professor RAUCHENSTEIN; Mr. ROTH

1. Elementary Farm Management.—The factors of production in the farm business; types of farming, their distribution and adaptation; farm organization, the distribution of capital invested, planning of the farm; farm administration or operation, planning of work, handling of labor, development of management efficiency. Lectures; quiz. A field trip is required in this course. The class will visit some of the farms included in the cost accounting investigations being carried on by the department in various sections of the state. The trip will cost about \$25.00. *II*; (3).

Prerequisite: Economics I or 2; Accountancy I or II. It is also very important that the student have credit or be registered in Agronomy 12, and have at least six hours credit in Animal Husbandry 1b, 2b, 4b, or 11b.

4. Farm Operation.—The application of efficiency principles to the operation of farms; labor and power requirements of crops, livestock, equipment maintenance; standard day's work; labor calendars; systems of production with special reference to the efficient utilization of labor and power. *II*; (2).

Prerequisite: Farm Management I.

Assistant Professor RAUCHENSTEIN

5. Farm Organization.—The economic organization of different types of farming with special reference to their financial, physical, and productive organization. *II*; (3).

Prerequisite: Farm Management I.

Professor HANDSCHIN

FINE ARTS

(See ART AND DESIGN and MUSIC. Attention is also called to the courses in ESTHETICS offered by the departments of PHILOSOPHY, EDUCATION, ARCHITECTURE, and HOME ECONOMICS.)

FLORICULTURE

(See HORTICULTURE.)

FRENCH

(See ROMANCE LANGUAGES AND LITERATURE.)

GEOLOGY

Professors BAYLEY, SAVAGE; Associate Professor QUIRKE (chairman); Assistant Professors LEIGHTON, BLANCHARD, BEVAN; Mr. YEATON, Miss ASHTON, Mr. MILLER, Mr. COX, Mr. RECTOR.

A. GENERAL GEOLOGY

Major: Geology I followed by 20 hours of courses that have prerequisites in geology.

Minors: 20 hours selected from courses in any one or two of the following departments: astronomy, botany, chemistry, physics, and zoology, after consultation with the department of geology.

For the convenience of underclassmen in the College of Liberal Arts and Sciences who elect the minimum amount of major work in geology the following sequence of courses is suggested: first year, 1 and 1a; second year, 47, 9, 48, 16, and 19; third year, 23. For those who plan to become professional geologists the following courses should be added: 6, 7, 51, 52, 42, 95, and 96.

Courses for Undergraduates

1. General Geology.—Physiography.—The surface features of the earth with emphasis on their origin and significance; the agencies and processes of geologic change; the

¹In registering for a course with variable credit hours, a student must put down on his study list, *not* the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5, but 2, or 3, or 4 or 5.

effects of composition, hardness and structure of rocks on the evolution of topographic forms; and the elements of meteorology and oceanography; the common rocks and minerals. Lectures, laboratory work and quiz; two field trips. (Students who have had Geography I, will receive only three hours credit.) I or II; (5).

Professor SAVAGE, Associate Professor QUIRKE, Assistant Professors LEIGHTON and BEVAN, Mr. MILLER, Mr. RECTOR.

1a. **Historical Geology.**—The evolution of the earth and its life. Lectures, laboratory (continuing course 1). I or II; (3).

Associate Professor QUIRKE, Assistant Professors LEIGHTON and BEVAN

Prerequisite: Geology 1.

20. **General Mineralogy.**—Study of the most common minerals of economic and scientific importance; blowpipe analysis. (Primarily for engineers and chemists.) Quiz; laboratory. I or II; (3).

Mr. YEATON

Prerequisite: Chemistry 1 and 2, or equivalent.

19. **Field Work.**—Geologic study and mapping of an area in the Starved Rock District of Illinois during the week following the Easter recess, credit being given only upon completion of a satisfactory written report. II; (2).

Assistant Professor LEIGHTON

Prerequisite: Geology 1a.

19a. **Field Work.**—Geologic study in an area of northeastern Missouri, especially for students studying petrology or economic geology, during the week following Easter recess. Credit is given only upon completion of a satisfactory written report. II; (2).

Professor BAYLEY

Prerequisite: Geology 1a, and by special arrangement with the department.

92. **Mineral Resources.**—II; (2).

Professor BAYLEY

Prerequisite: Geology I or Geography 1.

43. **Engineering Geology.**—The general principles and broader facts of geology from the engineering viewpoint. Discussions; laboratory. II; (3).

Associate Professor QUIRKE

Prerequisite: Freshman work in the College of Engineering.

9. **Invertebrate Paleontology.**—The more important fossil groups in biological sequence. Lectures; laboratory. I; (3).

Professor SAVAGE

Prerequisite: Geology 1a.

16. **Stratigraphy.**—Fossil faunas, with special reference to Paleozoic invertebrates; correlation and stratigraphy. II; (3).

Professor SAVAGE

Prerequisite: Geology 9.

47. **Systematic Mineralogy.**—Identification of common minerals (mainly nonsilicates) by physical tests and crystal form. Crystallography, principles of classification. Lectures; laboratory. I; (3).

Professor BAYLEY

Prerequisite: Chemistry 1 and 2, or equivalent, and except for mining and chemistry students, Geology 1a.

48. **Silicate Minerals.**—(A continuation of Geology 47.) The silicate minerals. Quiz; laboratory. II; (3).

Professor BAYLEY

Prerequisite: Geology 47.

Courses for Advanced Undergraduates and Graduates

6. **Optional Mineralogy.**—Introduction to the microscopic study of minerals, by means of their behavior in polarized light. Two lectures; four hours laboratory. I; (3).

Professor BAYLEY

Prerequisite: Geology 48.

7. **Petrography.**—The principles learned in Geology 6 applied to the study of rocks. The different types of rocks; their origin and classification. Study of representative suites of specimens in the hand specimen and thin section. II; (3).

Professor BAYLEY

Prerequisite: Geology 6.

42. **Stratigraphic Paleontology.**—The invertebrate index fossils of the successive geologic formations, from the Cambrian to the Tertiary. I and II; (10).

Professor SAVAGE

Prerequisite: Geology 16 and senior standing.

23. **Physiography of the United States.**—An interpretative study of the physiographic development of the United States by provinces, followed by general correlative studies and a consideration of the problems awaiting research. Lectures, discussions, reference reading, and mapwork. II; (3).

Assistant Professor LEIGHTON

Prerequisite: Geology 1, 1a. Geology 51, 52 recommended.

95. Economic Geology.—The nature, occurrence, origin, and uses of coal, oil, building stones and bedded deposits of economic importance. Lectures, quizzes, and laboratory work. *I*; (3). Professor BAYLEY

Prerequisite: Geology 1a or 43 and 20 or 48.

96. Economic Geology.—The nature, occurrence, and origin of metaliferous deposits. Theories of ore deposition. *II*; (3). Professor BAYLEY

Prerequisite: Geology 1a or 43 and 20 or 48.

51. Advanced Dynamic Geology.—A critical analysis of geologic processes and their results; the materials and structure of the earth; problems of geologic interpretations; assigned readings in geologic literature. Three periods discussion and two periods laboratory work. *I*; (5). Assistant Professor LEIGHTON

Prerequisite: Geology 19, 48, 16; Physics 8b; Chemistry 2a; senior standing.

52. Advanced Historical Geology.—Cosmogony, the record of diastrophism, the development of the continents and oceans, the relationship between oceanic fluctuations and organic differentiations and evolution, physiographic, climatic and organic history. Three recitations, two laboratory periods. *II*; (5). Associate Professor QUIRKE

Prerequisite: Geology 51.

[15. Structural and Metamorphic Geology.—Rock deformation and its results. Lectures and laboratory work. *II*; (3). Not given in 1921-22. Associate Professor QUIRKE

Prerequisite: Geology 52.]

60. Thesis.—A course of study under the immediate guidance of a member of the staff, designed for those who wish to qualify for high honors in Geology. *I* and *II*; (4). Assistant Professor LEIGHTON

Courses for Graduates

For graduate work in geology the student must have a thorough training in the principles of the science, (except in unusual cases, which will be decided on their merits); at least 20 hours of geology and two or more weeks of field experience will be required. Graduate students with adequate technical preparation in other sciences may be admitted to graduate courses in certain subjects, such as crystallography. Courses 6, 7, 15, 15a, 42, 60, 51, 52, 23 may be offered as graduate work by students who have other credits for at least 20 hours of geology.

101. Advanced Crystallography.—Methods used in measuring, projecting, and calculating crystal forms and determining the physical properties of crystallized bodies. *Twice a week; I, II; (1 unit).* Professor BAYLEY

102. Igneous Petrography.—The igneous rocks, identification of types, classification and relationships. Lectures; laboratory. *Twice a week, II; (1 unit).* Professor BAYLEY

135. Research.—Individual work under the supervision of members of the staff in their respective fields. *Once a week, I, II; (½ to 4 units).* Members of the department

B. GEOGRAPHY

Major: Geography 1 or Geology 1 followed by 20 hours of courses that have prerequisites in geography except that geography 14 and 2 may be included.

Minors: 20 hours selected from not more than three of the following subjects: economics, education, history, zoology, and botany.

For students whose major is in geography, the following sequences are recommended: (a) geography 1, 3, 4, 5, 7, 14, and 12 or 8; or (b) geology 1, geography 2, 3, 4, 7, 14, and 5 or 8.

Courses for Undergraduates

1. Principles of Geography.—The development and effects of physical features on life; the effects of climate, drainage, natural resources, shape, size, and location, on the home of man; his political, industrial, and social interests. Four hours lecture; two hours laboratory; one hour quiz; one or two field trips. (Students who have had Geography 1 will receive only three hours credit.) *I* or *II*; (5). Assistant Professor BLANCHARD, Miss ASHTON, Mr. COX

2. Human Geography.—Geographic factors, topography, climate, drainage, location, size, shape, and natural resources in their relation to man; as they affect his activities in production and trade; in his social and political intercourse. Discussions, two hours laboratory. *I*; (5). Miss ASHTON

Prerequisite: Geology 1.

3. Industrial and Commercial Geography.—The geographic conditions affecting the industries, production, and commerce of the world; the development and relations of great commercial areas to the location and availability of great resources; markets and transportation routes. Discussions, two hours laboratory. *I* or *II*; (5).

Assistant Professor BLANCHARD

Prerequisite: Geography 2 or 1.

4. Geography of North America.—Influences of geographic factors on the countries of North America. Lectures; reading and map study. *II*; (3).

Miss ASHTON

Prerequisite: Geography 1 or 2.

5. South America.—The world relations of South America: the influence of climate, drainage, topography, size, shape, and natural resources of South America, on the settlement and economic development of South American countries. South American countries as markets for foreign trade. *I*; (5).

Assistant Professor BLANCHARD

Prerequisite: Geography 3.

7. Field Geography.—Local geography as based upon field work; the influences of topography, drainage, regional location, and natural resources on the economic development of the areas investigated. The field selected for study in 1922 is the Starved Rock area of Illinois. Week after Easter vacation. *II*; (2).

Assistant Professor BLANCHARD

Prerequisite: Geography 1 or 2.

8. Geography of Europe.—Effect of the physiographic features of Europe on its climate, resources, inhabitants, and their activities. *II*; (3).

Assistant Professor BLANCHARD

Prerequisite: Geography 3.

9. The Teaching of Geography.—Problems in the selection, organization, and presentation of geographic materials in teaching. *II*; (2).

Miss ASHTON

Prerequisite: Geography 1 or 2, 3 and 4 or 5 or 8.

12. Geographic Factors in the History of the United States.—Geographic conditions affecting the history of the United States as manifested in the spread of settlement and political control, and in economic and social development. *I*; (3).

Miss ASHTON

Prerequisite: Geography 1 or 2, History 3a and 3b, and junior standing.

14. Weather and Climate.—The atmosphere and its processes; weather and forecasting; causes and distribution of climates. *II*; (3).

Assistant Professor BLANCHARD

GERMANIC LANGUAGES AND LITERATURE

Professors GOEBEL, LESSING; Assistant Professors BROOKS, WILLIAMS, KOLLER¹, Dr. UHLENDORF, Miss BLAISDELL, Miss SCHAFHEITLIN

Major: 20 hours in German, excluding German 1, 2, and 3, and including at least 6 hours in primarily fourth-year courses.

Minors: 20 hours in not more than two subjects chosen from the following list: languages, education, history, philosophy, and psychology, provided that 8 hours must be selected from a language other than German.

First-Year Courses

1. Elementary Course.—Grammar and easy reading for beginners. *I*; (4).

Professor LESSING, Assistant Professor BROOKS, Assistant Professor KOLLER, Dr. UHLENDORF, Miss BLAISDELL, Miss SCHAFHEITLIN.

Prerequisite: Not open to students who have had high-school work in this language.

2. Narrative Prose.—Grammar and reading. *I*; (4).

Miss SCHAFHEITLIN

Prerequisite: One year of high-school German or German SI, or German I.

NOTE.—Students who have had no German for one year or more will be required to take a written test before entering German 2. This will be regarded as a *test of present ability in German* and not as an examination on any particular course previously taken in this subject.

3. Narrative Prose.—(Continuation of German 1.) Reading and grammar. *II*; (4).

Professor LESSING, Assistant Professor BROOKS, Assistant Professor KOLLER, Dr. UHLENDORF, Miss BLAISDELL, Miss SCHAFHEITLIN

Prerequisite: German I or equivalent demonstrated by examination.

¹On leave, first semester.

Second-Year Courses

4. **Prose Reading.**—Selections from standard prose writers; sight reading; composition. *I* or *II*; (4).

Assistant Professor BROOKS, Assistant Professor WILLIAMS, Assistant Professor KOLLER, Dr. UHLENDORF, Miss BLAISDELL, Miss SCHAFHEITLIN

Prerequisite: German 2 or 3, or two years of high-school German, or equivalent demonstrated by examination.

5. **Narrative and Historical Prose.**—At the option of the instructor a classic in verse may also be read. Composition. *I* or *II*; (4).

Assistant Professor BROOKS, Assistant Professor WILLIAMS, Dr. UHLENDORF

Prerequisite: German 4, or three years of high-school German, or equivalent demonstrated by examination.

6. **Scientific German.**—The rapid reading of works of a general scientific character. Section A is primarily for students in the curriculums in chemistry and chemical engineering. (Parallel with 5. Students may not take both 5 and 6 for more than a total of four hours' credit without special permission of department.) *I* or *II*; (4).

Assistant Professor WILLIAMS, Assistant Professor KOLLER

Prerequisite: German 4, or three years of high-school German, or equivalent demonstrated by examination.

Third-Year Courses

7. **Modern Fiction.**—(Intended primarily for students who take 5 in the first semester. Not open to those who have had any course more advanced than 5.) *II*; (3).

Assistant Professor BROOKS

Prerequisite: German 5 or equivalent.

10. **Introductory Goethe Course.**—Study of Goethe's life with reading of works illustrating different periods of his development. *II*; (3).

Assistant Professor BROOKS

Prerequisite: Two and one-half years of college German or equivalent.

14. **Introductory Schiller Course.**—Study of Schiller's life illustrating different periods of his development with reading of dramas, lyrics, and ballads. *I*; (3).

Assistant Professor BROOKS

Prerequisite: German 5, or equivalent.

16. **Elementary Composition and Conversation.**—*I*; (2).

Dr. UHLENDORF

Prerequisite: German 5 or equivalent.

17. **Intermediate Composition and Conversation.**—*II*; (3).

Dr. UHLENDORF

Prerequisite: German 16.

[23. **German Novel.**—Rapid reading of representative novels, beginning with Goethe's *Werther*. Assigned readings. *II*; (3). Not given in 1921-22.

Assistant Professor KOLLER]

Prerequisite: Two and one-half years of college German or equivalent.

24. **Modern German Drama.**—Rapid reading of dramas by Grillparzer, Hebbel, Hauptmann, and others. *I, II*; (3).

Professor LESSING

Prerequisite: German 5 or equivalent.

28a-28b. **German Lyrics and Ballads.**—Their form, development, and various types: the *Volkstied* of the eighteenth and nineteenth centuries and its influence. First semester: the early eighteenth century and the classical period. Second semester: the nineteenth century. *I, II*; (2).

Assistant Professor WILLIAMS

Prerequisite: (For 28a): German 5, or equivalent, and sophomore standing.

Courses for Advanced Undergraduates and Graduates

NOTE.—For a major in German students are required to take at least six hours of these primarily fourth-year courses; seniors who are preparing to teach German should take German 29.

8. **Schiller.**—The life of Schiller; *Wallenstein*, and other selections. *II*; (2).

Professor LESSING

19a-19b. **Goethe's Faust.**—The Faustlegend and early Faust books and plays; the genesis of Goethe's Faust; reading of both parts. *I, II*; (3).

Professor GOEBEL

Prerequisite: (For 19a): three years of college German or equivalent.

[25. **Teachers' Course.**—Not given in 1921-22.

Assistant Professor KOLLER]

- 26a. German Literature to the End of the Reformation.—Lectures; recitations; reports on assigned reading. *I*; (3). Professor LESSING
Prerequisite: Three years of college German or equivalent.
- 26b. German Literature Since the Reformation.—Lectures; recitations; reports on assigned collateral reading. *II*; (3). Professor LESSING
Prerequisite: German 26a.
- [27. Lessing.—Not given in 1921-22. Professor LESSING]
 [29. Advanced Composition.—Not given in 1921-22. Assistant Professor KOLLER]
- 30a-30b. Thesis Course.—(Intended primarily for candidates for honors in German, but open to other seniors.) *I, II*; (1 or 2).¹ Professor GOEBEL and others
Prerequisite: Senior standing and three years of college German or equivalent.
31. Middle High German.—*I*; (3). Professor GOEBEL
Prerequisite: Senior or graduate standing; three years of college German.
- [32. History of German Civilization.—Readings; lectures; discussions. *I*; (3). Not given in 1921-22. Assistant Professor BROOKS]
 33a. Honor Course.—*I, II* (2). Professor GOEBEL and others
Prerequisite: Three years of college German or equivalent.
- 39a-39b. Goethe and Schiller.—Interpretation of Goethe's poems. Goeth's *Tasso*; Schiller's *Ueber naive und sentimentalische Dichtung*. *I, II*; (2). Professor GOEBEL

Courses for Graduates

Students desiring to take German as a major should have completed a four years' course of undergraduate study in German, corresponding to the four years' course at this University, and should be familiar with the principal works of the writers of the classical and modern periods of German literature, show a general knowledge of the history of German literature, and be able to follow lectures in the German language.

A reading knowledge of Latin and French is required. It is desirable that candidates for the degree of Ph.D. have some knowledge of Greek. All students are expected to have had a course in German history.

101. Seminar in Germanic Philology.—Training in original research; results of special value may be published in the *Journal of English and Germanic Philology*. *Once a week; I, II*; (1 unit). Professor GOEBEL
103. Introduction to the Historical Study of the Germanic Languages.—History of German philology; comparative grammar of the Old Germanic dialects. Lectures; discussions of special topics. *Twice a week; II*; (1 unit). Professor GOEBEL
- [104. Gothic.—Grammar and literature. *Twice a week; I*; (1 unit). Not given in 1921-22. Professor GOEBEL]
- [105. Old High German.—Grammar and interpretation of the oldest literary documents. *Three times a week; II*; (1 unit). Not given in 1921-22. Assistant Professor WILLIAMS]
- [109. Goethe's and Schiller's Philosophy.—*Twice a week; I, II*; (1 unit). Not given n 1921-22. Professor GOEBEL]
- [110. Early German Drama.—*Twice a week; I*; (1 unit). Not given in 1921-22. Assistant Professor BROOKS]
- [113. German Literature of the Fifteenth and Sixteenth Centuries.—*Twice a week; II*; (1 unit). Not given in 1921-22. Assistant Professor BROOKS]
- [115. History of German Literature of the Nineteenth Century.—*Twice a week; I, II*; (1 unit). Not given in 1921-22. Professor LESSING]
- [116. Medieval German Literature with Reference to Political, Religious, and Social History.—Research. *Twice a week; I*; (1 unit). Not given in 1921-22. Professor LESSING]
- [117. History of German Literature During the Eighteenth Century.—*Twice a week; I, II*; (1 unit). Not given in 1921-22. Professor GOEBEL]
- [118. The German Drama Since Schiller.—*Twice a week; I, II*; (1 unit). Not given in 1921-22. Professor LESSING]
- [119. The German Novel.—Research. *Twice a weeks; I, II*; (1 unit). Not given in 1921-22. Professor LESSING]
121. Walter von der Vogelweide.—*Twice a week; II*; (1 unit). Professor GOEBEL
- [121a. The Nibelunglied.—Lectures and interpretations. *Twice a week; II*; (1 unit). Not given in 1921-22. Professor GOEBEL]

¹In registering for a course with variable credit hours, a student must put down on his study-list, not the possible hours, as shown here, but the number of hours for which he intends to take the course, e.g., not 2-5, but 2, or 3, or 4, or 5.

- [121b. **Gudrun.**—Lectures and interpretations. *Twice a week; II; (1 unit).* Not given in 1921-22. Professor GOEBEL]
 [126. **Herder and his Relations to European Literature.**—*Twice a week; I, II; (1 unit).* Not given in 1921-22. Assistant Professor KOLLER]

Summer Session Courses

Courses for Undergraduates

- S1. Beginners' Course.**—Text: Schmidt and Glokke's *Das erste Jahr Deutsch* (Heath). (4). Professor LESSING
Equivalent: German 1 or one year of high-school German.
- S4. Prose Reading.**—Narrative prose, sight reading, composition. (2). Assistant Professor WILLIAMS
Prerequisite: German 3 (or 2), or two years of high-school German.
Equivalent: German 4 (in part).
- S6. Scientific Prose.**—Rapid reading of a general scientific character. (2). Assistant Professor WILLIAMS
Prerequisite: German 4 or three years of high-school German or equivalent.
Equivalent: German 6, (in part).

GREEK

(See CLASSICS.)

HEBREW

(See ORIENTAL LANGUAGES AND LITERATURE.)

HISTOLOGY

(See PHYSIOLOGY.)

HISTORY

Professors LARSON, GREENE, LYBYER, OLMSTEAD, ROBERTSON; Associate Professor JONES; Assistant Professors PEASE, DIETZ, RANDALL; Dr. SWAIN, Dr. GILLESPIE, Dr. DUNBAR, Dr. GOTTSCHALK, Mr. ROBERTS. *Cooperating:* Professors OLDFATHER, BENTON; Dr. RODKEY.

Major: 20 hours, excluding History 1a and 2a, and including (a) either History 1b or 2b; (b) six hours selected from courses for advanced undergraduates and graduates; and (c) any other courses offered in the department.

Minors: 20 hours, selected from two of the following subjects: economics, political science, law, sociology, English and American literature, history of education, philosophy, and geography. Courses in any foreign language may be accepted in satisfaction of this requirement, if the student can show his ability to read ordinary historical prose in that language. In every case the minor courses must include either Economics 1 or Political Science 1 and 3.

Courses for Undergraduates

1a-1b. Continental European History.—Europe from the fifteenth century to the present time. (Either semester may be taken separately.) *I, II; (4 or 3).*¹

Associate Professor JONES, Dr. GILLESPIE, Dr. GOTTSCHALK, Dr. SWAIN, Mr. ROBERTS
2a-2b. English History.—First semester: political history of England to the Revolution of 1688; the larger social, economic, and religious movements. Second semester: the modern history of England to the peace of Versailles; colonial and imperial development. *I, II; (3 or 2).*²

Assistant Professor DIETZ, Professor LARSON, Dr. GILLESPIE, Dr. GOTTSCHALK, Dr. SWAIN

3a-3b. History of the United States.—First semester: the colonies in the eighteenth century; the French War and the Revolution; the genesis of the Federal Constitution; development under the Constitution to 1815. Second semester: a century of national development, 1815-1919. (Either semester may be taken separately.) *I, II; (3).*

Professor ROBERTSON, Assistant Professor RANDALL, Dr. DUNBAR, Mr. ROBERTS
Prerequisite: One year of college work.

¹Three credits for seniors; four credits for students other than seniors.

²Two credits for seniors; three credits for students other than seniors.

5. **History of Greece.**—I; (3). (See Greek 20.) Professor OLDFATHER
Prerequisite: One college course in history or the classics; sophomore standing.
6. **History of Rome.**—II; (3). (See Latin 19.) Professor OLDFATHER
- 8a-8b. **Western Europe in the Middle Ages.**—First semester: from Constantine to Charlemagne. Second semester: from Charlemagne to Dante. I, II; (3). Associate Professor JONES
Prerequisite: One year of college work. Not open to students who have had IA.
18. **The Teaching of History.**—Preparation of students for the teaching of history in secondary schools. II; (2). Assistant Professor RANDALL
Prerequisite: History 1a-1b, 3a-3b, or their equivalent; senior standing.
- 50a-50b. **The Ancient World.**—First semester: the prehistoric age and the ancient empires. Second semester: Greece and Rome. I, II; (3). Professor OLMSTEAD
Prerequisite: Sophomore standing.
- 51a-51b. **Hebrew History.**—A general history of the Hebrew people to the revolt under Hadrian; source problems, as they relate to Biblical criticism. An attempt will be made to correlate the Biblical history with the general history of the times. I, II; (2). Professor OLMSTEAD
Prerequisite: Junior standing.
- 90a-90b. **Thesis.**—Special training in investigation for candidates for honors and for other seniors. I, II; (2). Professor ROBERTSON
- 91a-91b. **Honors Course.**—Reading in selected fields in consultation with instructor. I, II; (2). Professor GREENE
Prerequisite: Senior standing.
- Courses for Advanced Undergraduates and Graduates**
- (Open to seniors and to juniors of high standing. The ability to use modern languages is desirable.)
- 4a-4b. **The Constitutional History of England.**—First semester: institutional origins. Second semester: modern constitutional practise. I, II; (3). Professor LARSON
Prerequisite: One year of college history.
- 9a-9b. **The Renaissance and the Reformation.**—The transition from medieval to modern ideals. I, II; (3). Not given in 1921-22. Associate Professor JONES
Prerequisite: History 1a-1b.]
- 14a-14b. **Studies in the Development of American Ideals.**—I. The European inheritance and its modifications under American conditions, 1606-1776. II. Republican principles in society and politics, 1776-1828. I, II; (3). Professor GREENE
Prerequisite: A grade of B or higher in History 2, 3, or 4, or Political Science I and 3.
- 14c-14d. **Studies in the development of American Ideals.**—III. Issues of democracy and nationalism, 1829-1870. IV. Changing conceptions of democracy and the state; nationalism and the international outlook. Not given, 1921-22. Professor GREENE
Prerequisite: Same as for 14a-14b.]
15. **The Civil War and the Reconstruction.**—The ante-bellum South and its destruction, 1844-80. The Civil War in the light of the forces which tended to hasten or obstruct the clash of arms. I; (3). Assistant Professor RANDALL
Prerequisite: History 3a-3b.
19. **France in the Feudal and Later Middle Ages.**—(A reading knowledge of French is desirable.) II; (3). Not given in 1921-22. Associate Professor JONES
Prerequisite: History 1a-1b.]
- 20a. **Europe Before the Great War.**—National reorganization, material progress, and world-wide expansion, 1848 to 1891. I; (3). Not given in 1921-22. Professor LYBYER
Prerequisite: One year of college history, economics, or political science.]
- 20b. **The Great War.**—The history of Europe, 1891 to 1919, with special reference to the formation of alliances and the development of causes of conflict, the history of the war itself. II; (3). Not given in 1921-22. Professor LYBYER
Prerequisite: One year of college history, economics, or political science.]
21. **Recent History of the United States.**—Historical introduction to contemporary American politics; economic, political, and social problems; international relations; the United States in the Great War. I; (3). Professor ROBERTSON
Prerequisite: History 3b.
- 22a-22b. **History of the Old Northwest, 1787-1865.**—The settlement of the Northwest;

Western economic, political, and social problems; influence of the West on national policies. *I, II; (3).* Assistant Professor PEASE

Prerequisite: History 3.

23a-23b. The Puritan Revolution in England and America.—First semester: the influence of Puritanism on the institutions of modern England and America. Second semester: Whigs and Tories, 1672-1783. English politics and political thought considered as a background to political theory in the American Revolution. *I, II; (2).* Assistant Professor PEASE

Prerequisite: One year of college history.

26. History of the Latin-American Colonies.—Political, economic, social, and intellectual life in Spain and Portugal during the age of discovery. The colonization, administration, and civilization of Latin America and the Philippines. The independence of Brazil and the Spanish-American republics. *I; (3).* Professor ROBERTSON

Prerequisite: One year of college history.

27. History of Latin America from the Wars of Independence to the Present Time.—The national history of the leading Latin-American nations with special attention to existing governments, political parties, present economic and social conditions, and relations with the United States. *II; (3).* Professor ROBERTSON

Prerequisite: One year of college history.

29a-29b. The Far East.—The contact of Western nations with the Far East from the Portuguese establishments of the sixteenth century to the present time, with special reference to China and Japan. *I, II; (3).* Professor GREENE

Prerequisite: One year of college history including History 1 or 2.

30a-30b. The Ottoman Empire and the Question of the Near East.—The rise and greatness and the beginning of the decline of the Turkish power, 1300 to 1792. Turkey since 1792, with special attention to internal conditions, international relations, and the antecedents of the Great War. *I, II; (2).* Not given in 1921-22. Professor LYBYER

Prerequisite: One year of college history.]

31a-31b. The Mohammedan World.—Mohammed, the Saracen Empire, and the Moslem civilization, before the Crusades. The history and culture, since the First Crusade, of the Mohammedan peoples in Europe, Africa, and Asia, except the Ottoman Turks. *I, II; (2).* Not given, 1921-22. Professor LYBYER

Prerequisite: One year of college history.]

33a-33b. Recent European History.—I. The period of national consolidation and world-wide expansion, 1848-1891. II. The formation of alliances, the Balkan Wars, and the Great War, 1891 to date. *I, II; (3).* Not given, 1921-22. Professor LYBYER

Prerequisite: One year of college history.]

34. European Consolidation and Colonial Expansion, 1648-1789. *I; (3).* Dr. SWAIN

Prerequisite: One year of college history, economics, or political science.

35. The French Revolution, Napoleon, and the European Reaction, 1789-1848. *II; (3).* Dr. SWAIN

Prerequisite: One year of college history, economics, or political science.

40. The History of the British Commonwealth.—The expansion of England; imperial organization; the development of the colonial nations. *I; (2).* Professor LARSON

Prerequisite: One year of college history.

42. Medieval Civilization.—The religious, economic, and intellectual development of medieval society. *II; (3).* Professor LARSON

Prerequisite: One year of college history (English or general European).

46a-46b. The History of the Industrial Revolution in Great Britain.—A discussion of agricultural, industrial, and commercial developments in Great Britain, 1760-1921, with special reference to their social significance. *I, II; (2).* Assistant Professor DIETZ

Prerequisite: One year of college history.

53. Assyrian History.—The Assyrian Empire; sources; political thought; government of dependencies; parallels to more modern imperial states; economic life. *II; (3).* Not given, 1921-22. Professor OLMSTEAD

Prerequisite: Senior standing and the consent of the instructor.]

54. History of Egypt.—Prehistoric Egypt and historic Egypt to the Persian Conquest. The chief sources will be studied in English translation, and the resources of the Oriental Museum will be utilized for a study of the culture. *II; (3).* Professor OLMSTEAD

Prerequisite: Senior standing.

60. **The United States in the Great War.**—A study of the course of the United States in the war (both as a neutral and as a participant) with particular attention to economic mobilization and to the administrative features of the American war government. II; (3).

Assistant Professor RANDALL

Prerequisite: History 3b.

Courses for Graduates

Graduate work in history presupposes two years of college work in this subject, or sixteen semester hours, which should include courses in European and American history corresponding roughly to History 1a-1b and 3a-3b in this University. Linguistic preparation, especially in French and German, is important. For medieval history some knowledge of Latin is essential, and Spanish is useful for certain fields of American history.

Advanced courses in history at the University of Illinois are of three kinds:

(1) For information and guidance in general reading. (2) Instruction in methodology, historiography, and biography. A part of this work (in course 103) is required of all graduate students in history during their first year. (3) Seminar courses for the study of special fields with a view to training in the methods of historical criticism and research.

Illinois Historical Survey.—Students have an opportunity to pursue research in Western history in connection with the Illinois Historical Survey, an organization for the purpose of carrying on systematic studies in the history of Illinois.

Attention is also called to the fact that the University of Illinois has for some time coöperated with the Trustees of the State Historical Library in the gathering and editing of archive material. As a result instructors and graduate students in the department have contributed from time to time to the publications of the Library, and have been given useful training in the study of manuscript as well as printed material.

101. Seminar in American History.—Guidance in the investigation of selected topics. Consultations with individual students and general meetings of faculty and students. I, II; (1 to 2 units).

Professor GREENE and others

In connection with this course, advice and direction in research are offered in various fields as follows:

A. American history before 1815.

Professor GREENE

B. American history since 1815.

Professor ROBERTSON, Assistant Professor RANDALL

C. The history of the West.

Assistant Professor PEASE

D. American church history.

Professor GREENE

E. Latin-American history.

Professor ROBERTSON

102. Seminar in English History.—Church and state in the medieval and early modern period; examination of documentary materials. I, II; (1 unit).

Professor LARSON

103. Historiography and Historical Method.—The technic of historical investigation. Required of all candidates for an advanced degree in history who do not present evidence of similar training elsewhere. I; ($\frac{1}{2}$ unit).

Assistant Professor RANDALL

104. Seminar in European History.—European expansion. Bibliography, historiography, and selected problems; reports. I, II; (1 to 2 units). Not given, 1921-22.

Professor LYBYER, Associate Professor JONES

In connection with this course, advice and direction in research in various fields are offered as follows:

A. Modern history of continental Europe.

Professor LYBYER

B. Renaissance and Reformation.

Associate Professor JONES

C. Asiatic Relations.

Professor GREENE, Professor LYBYER]

110. Introduction to Research in American History.—Survey of sources and secondary authorities; study of typical problems. I; (1 unit).

Professor GREENE

111. Spanish-American Relations.—The relations of the Latin-American States with the United States. An intensive study of such topics as the Monroe Doctrine, the development of international trade, etc. I, II; (1 unit).

Professor ROBERTSON

112. Studies in American Religious History.—Questions of Church and State. II; (1 unit).

Professor GREENE

150. Research in Ancient Oriental History.—I, II; (1 unit).

Professor OLMSTEAD

Summer Session Courses

Courses for Undergraduates

S1b. European History, 1713-1815.—The Eighteenth Century, the French Revolution and Napoleon I.

Professor LYBYER, Dr. RODKEY

Equivalent: The second one-fourth of History 1a-1b.

S3b. American History, 1815-1877.—National development, the westward movement, the controversy over slavery, the Civil War, reconstruction. (2½).
Professor BENTON, Dr. RODKEY

Prerequisite: Sophomore standing.

S50a. The Ancient World.—The beginnings of human development, the periods of pre-history, the early Orient. Special attention will be devoted to the significance of the period studied in relation to the Biblical records and of the later European connections. (3).
Professor OLMSTEAD

Prerequisite: Sophomore standing or the consent of the instructor.

Equivalent: The first half of 50a, the Ancient World.

Courses for Advanced Undergraduates and Graduates

(At least junior standing is required for all the courses in this group.)

S20b. The Great War.—Its causes, especially in international relations and ambitions since 1891; a sketch of the war itself; the Peace Conference of 1919 and subsequent events in Europe. (2).
Professor LYBYER

Prerequisite: One college course in history.

S14b. The Struggle between Conservative and Radical Forces in the Critical Period of American Constitutional History, 1776-1796.—(2½).
Professor BENTON

Prerequisite: Junior standing, including one college course in American history, or the consent of the instructor.

S55. The Roman Empire.—The political theories of the Augustan empire, the cultural development, the religious invasion from the Orient, the conquest by Christianity, the causes of the decline and fall, the survivals. (2).
Professor OLMSTEAD

Prerequisite: Junior standing.

Courses for Graduates

S101. Research in American History.—Personal conferences with graduate students who desire guidance in research. (½-1 unit).
Professor BENTON

S104. Research in European History.—Personal conferences with graduate students who desire guidance in research. (½-1 unit).
Professor LYBYER

S150. Research in Oriental History.—Personal conferences with graduate students who desire guidance in research. (½-1 unit).
Professor OLMSTEAD

HOME ECONOMICS

Professor WARDALL; Assistant Professors WARDELL, BANE, BARTO; Miss HUNT, Miss BOND, Miss JACOBSEN, Miss FORD, Miss ALLYN, Miss WEAVER, Miss WHITLOCK, Miss ROBINSON, Miss McCULLOUGH, Miss GIDDINGS, Miss O'LOUGHLIN, Miss KERN, Miss MULLEN, Miss BARER, Miss MACGREGOR. Cooperating in Summer Session: Miss ANDERS, Miss NEWTON, Miss FOSTER, Miss LEE.

Major: 20 hours from any courses offered by the department, excluding Home Economics 2 and 7, and including Home Economics 3, 5, 6, 10, and 12. To satisfy the requirement for the Major, students transferring from other institutions must take at least one of the following: Home Economics 4, 5, 11, 18, or 28.

Minors: 20 hours from either (a) chemistry, bacteriology, and physiology; or (b) economics (a minimum of eight hours), with one or two of the following subjects: art and design, education, history, psychology, and sociology.

1. Selection and Preparation of Food.—The nature and uses of foods, their chemical composition; the changes effected by heat, cold, or fermentation; principles of selection, processes of manufacture, combinations. One section in laboratory and quiz is reserved for those who have had two years' work in foods in secondary schools. Laboratory fee, \$3.00. I or II; (3).

I, Miss BARER; II, Miss HUNT, Miss O'LOUGHLIN, Miss BARER.

Prerequisite: Entrance credit in physics; Chemistry I.

2. Home Architecture.—Situation, surroundings, and construction of the house; heating, lighting, ventilation, water supply, and drainage; making skeleton plans. I; (3). Assistant Professor NEWCOMB, Miss WEAVER, Mr. O'DONNELL, Mr. DUELL

Prerequisite: Sophomore standing in the College of Agriculture; junior standing in the College of Liberal Arts and Sciences and the College of Education.

3. Elementary Home Decoration.—Theory of color and its application in home decoration; furnishings from a sanitary and artistic standpoint. II; (3).

Miss WEAVER, Miss MULLEN

Prerequisite: Art and Design 12; Home Economics 2.

4. Food and Nutrition.—Physiological, chemical, and bacteriological aspects of food and nutrition. Laboratory fee, \$8.00. *I*; (5).

Assistant Professor WARDELL, Miss KERN

Prerequisite: Bacteriology 5; Chemistry 13a, 9, 9c; Home Economics 5.

5. Dietetics.—Diet; the relation of food to health; influence of age, sex, and occupation on diet; factors involved in the construction of dietaries. Laboratory fee, \$3.00. *I* or *II*; (3).

Assistant Professor BARTO

Prerequisite: Botany 1 or Geology 1; Home Economics 1, 6; Physiology 4.

6. Economic Uses of Food.—(Continuation of Home Economics 1.) The economics of the food question; marketing, fuels, preservation, meals. Laboratory fee, \$3.00. *I* or *II*; (4).

Miss HUNT, Miss O'LOUGHLIN, Miss BARER

Prerequisite: Home Economics 1; credit or concurrent registration in Chemistry 2a.

7. Textiles.—Development of the textile industry from primitive times to the present; study of the important fibers and materials made from them; microscopic examination and chemical tests of fibers and fabrics; practise in working with cotton, linen, wool and silk materials; weaving. Laboratory fee, \$2.00. *I* or *II*; (3)

Miss McCULLOUGH, Miss MULLEN

9. Problems in Extension.—Activities and organization of women with special emphasis upon extension work. *II*; (3).

Assistant Professor BANE

Prerequisite: Senior standing in Home Economics.

10. Organization and Management of the Household.—Housekeeping as a business; organization and management; the income and its apportionment through budgeting; equipment; service. *I* or *II*; (3).

Miss FORD

Prerequisite: Home Economics 2, 6, 7; Economics 1 or 2.

11. Teachers' Course.—Methods of presenting the work, and its correlation with other subjects. Practise in planning courses and presenting lessons. Two inspection trips are made to other schools, one in April and one in May. The total cost does not exceed \$5.00. Required of all who wish to be recommended to teach Home Economics. *II*; (3).

Miss ROBINSON, Miss ALLYN

Prerequisite: For non-Smith-Hughes students: Home Economics 5, 12, 13, 34. For Smith-Hughes students: Home Economics 5, 31.

12. Clothing.—Demonstrations and laboratory work in methods of drafting, cutting, fitting, and making of garments from individual designs. (Prerequisite to Home Economics 34.) *I* or *II*; (3).

Miss WHITLOCK

Prerequisite: Home Economics 19.

13. Teachers' Course.—The development of home economics as one of the factors in the education of women; the work in different types of institutions; the planning of courses for these types. Required of all who wish to be recommended to teach Home Economics. *I*; (3).

Miss ROBINSON

Prerequisite: Senior standing.

14. Practise House.—Planning, preparation, and serving of meals; care of the house, including laundry, with emphasis on cost and organization of work. Conferences and laboratory work in practise apartment and laundry, occupying nine weeks either half of semester. For Smith-Hughes students, this course should alternate with Education 50; for non-Smith-Hughes students, it should alternate with Home Economics 35. Laboratory fee (to cover cost of raw food materials for four weeks), \$13.50. *I* or *II*; (3).

Miss GIDDINGS

Prerequisite: Home Economics 5, 6, 10; consent of the instructor.

18. Lunch Room Management.—Organization and equipment of lunch rooms. Brief review of factors in marketing. Study of foods from standpoint of quality, grade, cost, and methods of buying. Laboratory practise. The class takes a trip to Chicago to inspect various types of lunch rooms. The cost of the trip is about \$25.00. *I* or *II*; (5).

Miss BOND

Prerequisite: Home Economics 5; Economics 1 or 2; senior standing.

19. Dress Design.—Study of dress from the artistic, historic, economic, and hygienic standpoints. Application of principles of design to silhouette, proportion, line, and color. *I* or *II*; (3).

Miss WEAVER, Miss MULLEN

Prerequisite: Art and Design 1, 12; Home Economics 7.

20. Infant Nutrition.—Lectures; readings; discussions. *II*; (2).

Assistant Professor WARDELL

Prerequisite: Home Economics 5; senior standing.

28. Organization and Management of the Household.—(Continuation of Home Economics 10). The relation of the home to public activities; retail market organization; cooperative buying and housekeeping; community kitchens; laundries. *II*; (2).

MISS FORD

Prerequisite: Home Economics 10.

29. Garment Making.—(Open only to those taking the Smith-Hughes course.) Use of the sewing machine and its attachments; application of line and form through drafting; hygienic aspects of clothing; making of simple cotton garments. *I or II*; (3). Miss JACOBSEN

Prerequisite: Home Economics 7.

30. Designing and Making of Typical Garments.—(Open only to those taking the Smith-Hughes course.) Application of unity, proportion, line, and color to dress design. Development of modern costume from historic sources. Adaptation of commercial patterns; demonstration and laboratory work in the construction of typical garments from individual designs. *II*; (3).

MISS JACOBSEN

Prerequisite: Home Economics 29.

31. Clothing.—(Open only to those taking the Smith-Hughes course.) Study of the economic aspects of clothing; clothing budgets; comparative values; use of unusual fabrics; problems of draping on the form, remodeling and renovation. *I*; (3). Miss JACOBSEN

Prerequisite: Home Economics 30.

33. Diet in Disease.—Applications of dietetic principles to the problems of diet in disease. Laboratory fee, \$3.00. *II*; (3) Assistant Professor BARTO

Prerequisite: Home Economics 5.

34. Teachers' Course in Sewing.—(Open only to non-Smith-Hughes seniors who wish to be recommended to teach.) Prerequisite to Home Economics 11. *I*; (1).

MISS WHITLOCK

Prerequisite: Home Economics 12.

35. Experimental Cookery.—(Not open to Smith-Hughes students.) Relation of recipes; effect of ingredients, of manipulation, of temperature. Conferences and laboratory work occupying nine weeks either half of semester. Should alternate with Home Economics 14. *I or II*; (3).

MISS O'LOUGHLIN

Prerequisite: Home Economics 5, 6, 10; consent of the instructor.

36. Millinery.—Twelve lessons in millinery, beginning with the opening of the second semester. For Home Economics seniors only. *II*; (no credit). Miss WHITLOCK

38. Food Course.—(Formerly known as Military 30.) For non-home economics students who desire some knowledge of the selection of food with reference to cost, value in the diet, and other factors in the planning of meals. No credit to home economics students. *I or II*; (2). Miss GIDDINGS

39. Nutrition.—Lectures, reports on assigned topics, discussions, review of current literature. *II*; (1). Assistant Professor WARDELL

Prerequisite: Home Economics 4 or concurrent registration in Home Economics 20 or 33, or 41.

40. Home Nursing.—Lectures, demonstrations, laboratory. *II*; (1). Not offered in 1921-22.

Prerequisite: Junior or senior standing in home economics.]

41. Problems in Nutrition.—Discussions; individual investigations. *II*; (3-5).

Assistant Professor WARDELL, Miss KERN

Prerequisite: Home Economics 4.

Courses for Graduates

This department offers graduate work along two lines, one dealing with the applications of the biological and physical sciences to the problems of food and nutrition; the other with the economic problems of the household. In either case the student must offer a minimum of ten hours' work with food, eight with textiles and clothing, five with the house, eight of chemistry, eight of biological science, and three in the principles of economics. In addition each student must offer five additional hours in economics or a second year of chemistry, including quantitative and organic chemistry, according to the line of specialization.

[101. Home Economics.—Vocational, educational, and sociological aspects. *Twice a week; first semester. (1 unit.)* Not offered in 1921-22.]

102. Special Investigation.—Application of the principles of bacteriology, chemistry, and physiology to the ordinary processes used in the preparation of food; problems in metabolism and nutrition. *Twice a week; both semesters. (½ unit.)*

Assistant Professor WARDELL

103. Seminar.—Recent advances in nutrition. Once a week; both semesters. ($\frac{1}{2}$ unit). Assistant Professor WARDELL
- [104. Economic Problems of the Family Group.—The economic phases of selected problems of the household. *Twice a week; both semesters. (1 unit.)* Not given in 1921-22.]

Summer Session

S4. Clothing.—(Corresponds with Home Economics 12 in the regular year.) Demonstrations and laboratory work in methods of drafting, cutting, fitting and making of garments from individual designs. (Prerequisite to Home Economics 34.) (3).

Prerequisite: Home Economics 19. Proof by examination of ability to do plain sewing. Miss NEWTON

S6b. Elementary Home Decoration.—(Corresponds with Home Economics 3 in the regular year.) Theory of color and its application in home decoration; furnishings from a sanitary and artistic standpoint. (3). Miss FOSTER

Prerequisite: Home Economics 2; Art and Design 12.

S12. Teachers' Course.—(Corresponds with Home Economics 11 in the regular year.) The development of Home Economics as one of the factors in the education of women. Methods of presenting the work and its correlation with other subjects. Practise in planning courses and presenting lessons. Miss ANDERS

Prerequisite: For non-Smith-Hughes students: Home Economics 5, 12, 13, 34. For Smith-Hughes students: Home Economics 5, 13, 31.

HORTICULTURE.

Professors BLAIR, LLOYD, CRANDALL, PICKETT, DORNER; Associate Professors COLBY, LOHMANN; Assistant Professors ANDERSON, LEHENBAUER, RUTH, HILL, BROCK, SAYRE, BARTHOLOMEW; Miss McADAMS, Mr. HALL, Mr. SCHAEFFER, Mr. HUELSEN, Mr. VOGELE, Mr. PETERSON, Mr. DALE, Mr. MOHLMAN, Mr. GUBA, Mr. LEWIS, Mr. CARVER, Mr. NEWTON, Miss BUSEY.

Courses for Undergraduates

1a. Elements of Horticulture.—Fruit growing and ornamental planting, with special reference to the farm home. Required of all freshmen in the general curriculum in Agriculture. Recitations; practical exercises. No credit in this course allowed to juniors and seniors. I; (2). Associate Professor COLBY, Mr. VOGELE, Mr. CARVER, Mr. NEWTON.

1b. Elements of Horticulture.—Vegetable gardening, with special reference to the home garden. Required of all freshmen in the General Curriculum in Agriculture. Recitations; practical exercises. No credit in this course allowed to juniors and seniors. II; (2). Assistant Professor SAYRE, Mr. DALE, Mr. LEWIS

2. Small Fruit Culture.—The blackberry, raspberry, dewberry, currant, gooseberry, and strawberry. History; extent of cultivation; species and varieties; establishment and maintenance; harvesting; storing; marketing; by-products. Recitations; reference work; laboratory. II; (2). Associate Professor COLBY

Prerequisite: Horticulture 1a.

3. Commercial Vegetable Gardening.—The production and marketing of vegetables on a commercial scale. Lectures; reference readings; practical experience in the department greenhouses and gardens. II; (5). Professor LLOYD, Assistant Professor SAYRE

Prerequisite: Horticulture 1a or 1b or their equivalents.

4. Plant Houses.—Construction, cost and maintenance, heating; ventilating. II; (3). Professor DORNER

5. Plant Propagation.—Grafts; buds; layers; cuttings; seeds. Lectures; laboratory; quizzes. I; (3). Professor DORNER, Mr. MOHLMAN

[6. Nursery Methods.—The nursery business; propagation; management; relation to horticulture. Lectures; reference readings. Trips will be taken to nurseries, the cost not to exceed \$10.00. II; (2). Not given in 1921-22.

Prerequisite: Horticulture 5.]

7. Spraying.—Materials, appliances, and methods employed in combating insects and fungous diseases. Lectures; reference readings; laboratory; field work. II; (3). Assistant Professor RUTH

Prerequisites: Horticulture 1a and 1b or their equivalents; Chemistry 1; Entomology 4.

[9. **Forestry.**—Forest trees, uses; distribution; artificial production; relations of forest and climate; forestry legislation and economy. *II*; (2). Not given in 1921-22.

Prerequisite: Botany I or its equivalent.]

10a. **Rural Improvement.**—Landscape gardening in the open country and its relation to rural conditions, with special reference to the farm group. Lectures; reference readings; reports. *I*; (2). Associate Professor LOHMANN

[10b. **Town Improvement.**—The development of the town as an organism and the improvement of small communities, with special reference to home grounds. Lectures; reference readings; reports. *II*; (2). Associate Professor LOHMANN

[11. **Study of Cultivated Plants.**—The relationship and classification of economic and ornamental plants of the temperate zone; identification of species; examination of living plants and herbarium specimens. Lectures; assigned readings. *I*; (2). Not given in 1921-22. Professors BLAIR and CRANDALL

Prerequisite: Botany 4a.]

15a. **Greenhouse Management.**—Preparation of soils for greenhouse crops; fertilizers; potting and shifting plants; watering. Lectures; practical greenhouse work. *II*; (3). Professor DORNER, Mr. HALL

Prerequisite: Horticulture 5; Botany 1.

15b. **Commercial Crops.**—Greenhouse plants and cut flowers for wholesale and retail markets; care and marketing of the crops. Lectures; greenhouse work. *I*; (3). Mr. HALL

Prerequisite: Horticulture 15a.

15c. **Commercial Crops.**—Continuation of 15b. Lectures; greenhouse work. *II*; (3). Mr. HALL

Prerequisite: Horticulture 15b.

19. **Amateur Floriculture.**—Window gardening; growing of flowers on the home grounds; containers; potting soils; fertilizers; preparation and planting of flower beds; propagation and culture of plants for window and garden. *I*; (3). Mr. MOHLMAN

21a. **Landscape Design.** (Sophomore course.) Simple composition as applied to landscape design; types of drafting and presentation used in office practise. Lectures and reference readings. Eleven hours drafting per week. *I*; (4). Miss McADAMS

Prerequisite: Architecture 32.

23a-23b. **Landscape Design** (Junior course).—Landscape design as applied to playgrounds, country estates, and small city parks. Nine hours' drafting, three hours' freehand per week. Lectures; field trips; assigned readings; reports. *I, II*; (4). Assistant Professor HILL

Prerequisite: Horticulture 21b.

24a. **Trees and Shrubs.**—Identification and characteristics of hardy plant material used in landscape gardening. Lectures; reference readings; field trips. *II*; (3). Miss McADAMS

Prerequisite: Botany 1.

24b. **Trees and Shrubs.**—(Continuation of Horticulture 24a.) Lectures; reference readings; field trips. *I*; (3). Miss McADAMS

Prerequisite: Horticulture 24a.

25a-25b. **Advanced Landscape Design.** (Senior course).—Landscape design as applied to larger landscape problems, educational groups, rural parks, golf courses, cemeteries, etc. Lectures; field trips; assigned readings. Fifteen hours' drafting per week. *I, II*; (5). (Extra hours by special arrangement). Associate Professor LOHMANN

Prerequisite: Horticulture 23b.

26a. **Planting Design** (First course).—The planting of private estates and gardens. Problems based on those worked out in courses 21b and 23b. Planting; lectures; drafting; reference readings; field trips; planting specifications; reports. Six hours' drafting; one lecture. *II*; (3). Mr. PETERSON

Prerequisite: Horticulture 23a, 24b.

26b. **Planting Design** (Second course).—The planting of public properties, parks, golf courses, cemeteries. Problems based on those worked out in courses 23b and 25. Lectures; drafting; conferences. Six hours' drafting, one lecture. *I*; (3). Mr. PETERSON

Prerequisite: Horticulture 26a.

27a-27b. **Landscape Construction.**—The preparation of construction drawings such as grading plans, working drawings, specifications and reports. *I, II*; (3). Mr. SCHAFFER

Prerequisite: Civil Engineering 32.

29a. Garden Design.—The garden in its relation to the house; architectural harmony, utilization, topographic conditions, and designing of planting for architectural and horticultural emphasis. Eight hours' drafting, one lecture. *I*; (3). Assistant Professor HILL

Prerequisite: Architecture 32.

29b. Garden Design.—The designing of period gardens and their relation to garden design. Eight hours' drafting, one lecture. *II*; (3). Assistant Professor HILL

Prerequisite: Horticulture 23a or Architecture 33.

30. Tender Bedding Plants.—Tropical and sub-tropical plants used in out-door bedding. Lectures; practical greenhouse work. *II*; (3). Mr. HALL

Prerequisite: Horticulture 15a.

31. Garden Flowers.—The propagation and growing of annuals, herbaceous perennials, bulbs, and shrubs for cut flowers and ornamental plantings. *II*; (3).

Professor DORNER

Prerequisite: Horticulture 5; Botany 1.

32a. Floral Decoration.—Cut flowers and plants in decorative work; arrangement of flowers in baskets, designs, and bouquets, table decoration; house decoration. (For floricultural students). *I*; (3). Professor DORNER, Mr. MOHLMAN

32b. Floral Decoration.—(Continuation of Horticulture 32a). *II*; (3).

Professor DORNER, Mr. MOHLMAN

Prerequisite: Horticulture 32a.

34. Vegetables under Glass.—Types of greenhouses for vegetable forcing; soils; fertilizers; treatment of insects and diseases; management problems; marketing; detailed study of the principal forcing crops. Lectures; reference readings; practical laboratory work. *I*; (3). Assistant Professor SAYRE

Prerequisite: Horticulture 3 or 15a.

36. History of Landscape Gardening.—Lectures; reference readings; library sketches; reports. Required of freshmen in the professional course; open to other students by permission of the instructors in charge. *I*; (3). Mr. PETERSON

37a. City Planning.—Principles of town and city planning; a study of the function of the various parts of towns and cities, with special reference to the remodeling and revision of the town plan. Lectures; field trips; reference readings; reports; drafting. An inspection trip will be required in this course; expenses of trip about \$30.00. *I*; (3).

Assistant Professor BARTHOLOMEW

Prerequisite: Senior standing in landscape gardening. By permission of the instructor open also to students of senior standing in civil and municipal engineering, political science and commerce.

37b. City Planning.—Principles of town and city planning; with special attention given to guiding the growth of communities, zoning and districting; industrial and suburban residential community planning. Lectures; reference readings; drafting; textbook. *II*; (3). Assistant Professor BARTHOLOMEW

Prerequisite: Horticulture 37a.

38. Office Practise in Landscape Gardening.—Professional ethics and practise; contracts and specifications. Lectures; reference readings; seminars and reports. *II*; (1).

Mr. SCHAFFER

Prerequisite: 27b and 23b.

39a-39b. Special Lectures.—Lectures by members of the faculty and invited lecturers on the working out of problems in landscape gardening. Certain inspection trips will be required of the class. The expense of these trips will be about \$2.00. One lecture a week with written reports. (Professional students are required to register in this course each semester of each year). *I, II*; (1).

Associate Professor LOHMANN, Assistant Professor HILL, Miss McADAMS, Mr. SCHAFFER, Mr. PETERSON.

Prerequisite: Permission of the instructor in charge.

40. Trees and Shrubs (Advanced course).—Care of plant material. Cultivation of plants for landscape purposes, planting, pruning, spraying, tree surgery and landscape forestry as applied to private estates, parks, and street planting. *II*; (3). Mr. SCHAFFER

Prerequisite: Horticulture 24b; senior standing.

42. Landscape Design (Elementary course for non-professional students).—The planning and planting of home grounds. Lectures; reference readings; reports; six hours, drafting per week. *II*; (3). Mr. SCHAFFER, Mr. PETERSON

49. Systematic Vegetable Crops.—Types; varieties; strains; nomenclature; descrip-

tions. Adaptation to given purposes. Selection of specimens for market and exhibition. Judging vegetable exhibits. Lectures; research; laboratory. *I*; (2). Professor LLOYD

Prerequisite: Horticulture 3.

50. **Vegetable Seed Production.**—Importance of the industry; sources of supply; climatic influences; seedmen's trial grounds. Selection of specimens for stock seed; winter storage of biennials for seed purposes; planting and care of the growing seed crop; "roguing;" harvesting, curing, and storage of seeds. Determinations of purity and germination; official standards. The American seed trade; seedmen's responsibilities and opportunities; improvement of varieties; introduction of novelties. Lectures; research; laboratory. *II*; (3). Professor LLOYD

Prerequisite: Horticulture 49.

51. **Fruit Diseases.**—The bacterial and fungus diseases of tree and small fruits. Symptomology and control measures are emphasized. In addition to laboratory studies, the diseases are studied in the field wherever possible, so that the student may become acquainted with the parasites in their natural habitats. *II*; (3). Assistant Professor ANDERSON

Prerequisite: Senior standing; Botany 7a or its equivalent.

53. **Viticulture.**—History, species and varieties; extent of cultivation; establishment of vineyard and its management; harvesting; storing; marketing; by-products. Laboratory; recitations; reference readings. *I*; (2). Associate Professor COLBY

Prerequisite: Horticulture 1a (may be taken parallel).

Courses for Advanced Undergraduates and Graduates

8a. **Orcharding.**—Principal orchard fruits; culture of commercial orchards; planting; varieties; cultivation; fertilizing; pruning; harvesting; grading; packing; storing; marketing. *I*; (3). Professor PICKETT

Prerequisite: Horticulture 1a; junior standing.

8b. **Orcharding.**—A continuation of Horticulture 8a. Professor PICKETT

Prerequisite: Horticulture 8a.

12. **Evolution of Horticultural Plants.**—History, botanical classification, and geographical distribution of cultivated plants; modification under culture; theoretical causes and observed factors that influence variation, particularly food supply, climate, and cross-fertilization. *I*; (3). Professor CRANDALL

Prerequisite: Two years of university work; Horticulture 8 and Botany 4a.

[17. **Orchard Organization and Operation.**—The application of the principles of business organization and operation to fruit growing. *II*; (3). Not given in 1921-22.

Prerequisite: Senior standing; for students specializing in pomology.]

18. **Experimental Horticulture.**—Methods and difficulties in horticultural investigations; the planning of experiments; recording and interpretation of results. For advanced students preparing for experiment station work. *II*; (3). Professor BLAIR and PICKETT

Prerequisite: Twenty hours' work in horticulture.

22a-22b. **Investigation and Thesis.**—Special training in the investigation of horticultural problems. *I, II*; (5).

Prerequisite: Senior standing; not less than 20 hours work in courses pertinent to the thesis problem; permission of the head of the department.

33. **Systematic Pomology.**—Description, nomenclature, and classification of native and sub-tropical fruits; critical descriptions and identifications with special reference to relationships and classification of varieties. Training is given in judging and displaying fruits. (For students specializing in pomology). *I*; (2). Professor PICKETT

Prerequisite: Junior standing.

43. **Greenhouse Fertilizers.**—Soils and fertilizers; plant food materials and the water requirement of greenhouse crops. Lectures; seminar. *I*; (3). Assistant Professor LEHENBAUER

Prerequisite: Botany 27a; Agronomy 9; Horticulture 3 or 15a.

44. **Pomology Seminar.**—Assigned topics; review of books, current technical journals and other publications. For seniors and graduates specializing in pomology. *I* or *II*; (½). Assistant Professor RUTH

Prerequisite: Senior standing.

45. **Plant Nutrition.**—The food of plants; growth of greenhouse plants in relation to temperature, light, humidity, and carbon dioxide content of the air. Lectures; assigned readings; seminar. *II*; (3). Assistant Professor LEHENBAUER

Prerequisite: Botany 27a; Agronomy 9; Horticulture 3 or 15a.

46. **Marketing Horticultural Products.**—A study of fundamental principles involved in the successful marketing of fruits and vegetables. An inspection trip will be required in this course; expenses of trip about \$20.00. For seniors and graduates specializing in horticulture. *I*; (3). Professor LLOYD

Prerequisite: Senior standing.

52. **Special Vegetable Crops.**—Horticultural classification, cultural requirements, specific adaptations, and uses of the less common vegetables. Particular attention is given to recently introduced vegetables of foreign origin. Lectures; research; laboratory. *II*; (3). Professor LLOYD

Prerequisite: Horticulture 3; senior standing.

Courses for Graduates

At least two years of collegiate work in horticulture and allied subjects and specific preparation for chosen topics are required for entrance on major work in this department.

103. **Olericulture.**—Horticultural relationships, origin, breeding, fertilizing, cultural requirements, and improvement of vegetables. Research; conferences. *I, II*; (1-2). Professor LLOYD

108. **Pomology.**—Special problems in the relationship, adaptation, improvement, propagation, cultivation, pruning, protection, preservation, or marketing of small fruits and orchard fruits. Conferences. *I, II*; (1-2). Professors BLAIR, CRANDALL, LLOYD, and PICKETT

115. **Floriculture.**—The horticultural status of flowering plants, or special problems in the culture of greenhouse plants. *I, II*; (1-2). Professor DORNER, Assistant Professor LEHENBAUER

HYGIENE AND PUBLIC HEALTH

Professor BEARD, Assistant Professor MOULTON, Dr. ROSS, Dr. CAIN

1. **Elementary Hygiene and Sanitation.**—Required of all undergraduate men during their first year of residence. *I, II*; (½). Professor BEARD, Dean CLARK

2. **Essentials of Hygiene and Sanitation.**—Required of all undergraduate women during their first year of residence. *I, II*; (1). Assistant Professor MOULTON, Dean MASON

10. **General Hygiene.**—Hygiene as applied to the individual, to the home, to the school, and to the community. *II*; (3). Professor BEARD, Assistant Professor MOULTON

INDUSTRIAL EDUCATION

(See EDUCATION)

LANDSCAPE GARDENING

(See HORTICULTURE)

LATIN

(See CLASSICS)

LAW

Professors JONES, HARKER, GREEN, POMEROY, SUMMERS, HOPE, HARNO, GOBLE

First Year Courses

1a-1b. **Contracts.**—Corbin: *Cases on Contract*. *I, II*; (3). Professor GOBLE

2a-2b. **Torts.**—Ames and Smith: *Cases on Torts*. *I, II*; (3). Professor JONES

3. **Real Property.**—Rights in Land. Bigelow. *Cases on Rights of Land*. *II*; (3). Professor SUMMERS

5. **Criminal Law.**—Mikell: *Cases on Criminal Law and Procedure*. *I*; (3). Professor HARNO

6. **Personal Property.**—Bigelow: *Cases on Personal Property*. *I*; (3). Professor SUMMERS

7. **Domestic Relations.**—Kales: *Cases on Persons*. (2 ed.). *II*; (2). Professor GOBLE

11. **Agency.**—Wambaugh: *Cases on Agency*. *II*; (3). Professor GREEN

44. **Actions.**—Sunderland: *Cases on Common Law Pleading*. *I*; (2). Professor HOPE

Second and Third Year Courses

4. Common Law Pleading.—Stephen: *Principles of Pleading* (Andrews' ed.) and selected cases. I; (3). Professor HARKER
8. Evidence.—Hinton: *Cases on Evidence*. II; (4). Professor HARNO
9. Sales.—Williston: *Cases on Sales* (3 ed.). II; (3). Professor GOBLE
10. Real Property II.—Titles. Bigelow: *Introduction to the Law of Real Property* and Aigler: *Cases on Property*. I; (4). Professor SUMMERS
- 12a-12b. Equity Jurisdiction.—Ames: *Cases on Equity, vol's 1 and 2, and supplemental reading 1, II; (3)*. Second semester course omitted 1921-22. Professor POMEROY
13. Damages.—Beale: *Cases on Damages* (2 ed.). I; (2). Professor GOBLE
14. Carriers and Public Utilities.—Green: *Cases on Carriers and selected cases*. I; (4). Professor GREEN
15. Bills and Notes.—Smith and Moore: *Cases on Bills and Notes*. I; (3). Professor GOBLE
16. Trusts.—Scott: *Cases on Trusts*. I; (3). Professor POMEROY
17. Private Corporations.—Warren: *Cases on Private Corporations*. (2nd ed.). I; (4). Professor HARNO
18. Wills and Administration.—Warren: *Cases on Wills and Administration*. II; (3). Professor POMEROY
- (3). 19. Partnership.—Gilmore: *Cases on Partnership*. II; (3). Professor JONES
20. Equity Pleading.—Rush: *Text and Cases on Equity Pleading*. II; (2). Professor HARKER
21. Suretyship.—Ames: *Cases on Suretyship*. I; (3). Professor JONES
- 22a-22b. Constitutional Law.—Hall:—*Cases on Constitutional Law*. I; (3); II; (2) Professor GREEN
- (2). 23. Mortgages and Recording Acts.—Wyman: *Cases on Mortgages*. (2nd ed.). II; Professor POMEROY
24. Municipal Corporations.—Macy: *Cases on Municipal Corporations*. II; (2). Professor HARNO
25. Bankruptcy.—Williston: *Cases on Bankruptcy* (2 ed.). I; (2). Professor POMEROY
- [26. Legal Ethics.—Costigan: *Cases and other authorities on Legal Ethics*. II; (2). Professor HARKER]
- Omitted in 1921-22. 27. Real Property III.—Future Interests. Kales: *Cases on Future Interests*. II; Professor SUMMERS
- (3). 28. Insurance.—Vance: *Cases on Insurance*. II; (3). Professor HARNO
- [29. Conveyancing.—Selected abstracts and problems. Not given in 1921-22. Professor HARKER]
- 30a. International Law.—Law of Peace. Hershey: *Essentials of International Law* and Evans: *Cases on International Law*. I; (3). Professor GARNER
- 30b. International Law.—Law of War and Neutrality. Hershey: *Essentials of International Law* and Evans: *Cases on International Law*. II; (3). Professor GARNER
31. Conflict of Laws.—Beale: *Cases on Conflict of Laws (shorter selection)*. II; (4). Professor GREEN
32. Quasi-Contracts.—Woodruff: *Cases on Quasi-Contracts*. (2 ed.). II; (3). Professor HOPE
35. Illinois Procedure.—*Selected cases and drafting of legal papers*. II; (3). Professor HARKER
- 36a-36b. Practise Court.—I, II; (1). Professor HARKER
- [37. Brief Making.—I; (1). Not given in 1921-22. Professor HOPE]

LIBRARY SCIENCE

Director WINDSOR, Assistant Professors SIMPSON, CLEAVINGER; Miss BOND, Miss BOYD, Miss HUTCHINS, Miss JOHNSON, Miss DUNLAP, Miss WARNOCK, Miss FELSENTHAL, Mrs. SEVERNS.

Courses for Freshmen and Sophomores

12. General Reference.—Classification and arrangement of books in the University library; the card catalogs; the more generally used reference books. (Intended for freshmen and sophomores in the University, not for students in Library School.) Repeated each semester. I or II; (2).

Miss HUTCHINS, Miss BOYD, Miss JOHNSON, Miss DUNLAP, Miss BOND, Mr. CLEAVINGER, Miss WARNOCK

Courses for Library School Juniors

2a-2b. Reference.—Methods of bibliographical research; the use of reference books; practical work in the reference department of the University library. *I, II; (3).*

Miss SIMPSON

3a-3b. Selection of Books.—Principles of selection for libraries of different types; standard lists, critical periodicals, and other aids; practise in writing book annotations. *I, II; (2).*

Miss BOYD

16. Order, Accession, and Shelf.—Order department records and routine book-buying; publishers and discounts; serials and continuations; gifts; exchanges; duplicates; the accession book and its substitutes; the shelf list and its uses; the care of pamphlets, clippings, and maps. *I; (2).*

Miss FELSENTHAL

17. Classification.—Principles of book classification; the Dewey Decimal Classification; the Cutter Expansive Classification; book numbers. *I; (3).*

Miss BOND

18. Cataloging.—Dictionary cataloging; subject headings; classed cataloging. *I; (3).*

Miss BOND

19. Trade Bibliography.—Books and periodicals used as tools of the book trade of America, England, Germany, and France. *II; (1).*

Miss BOND

20. Loan Department.—Records connected with the loan of books; representative loan systems; rules, regulations, and practises. *I; (1).*

Mr. CLEAVINGER

21. Printing, Binding, and Indexing.—Printing: printing for libraries; preparing copy and reading proof. Binding: materials and methods of bookbinding for libraries; practise in preparing books for the bindery and in making necessary records. Indexing; the form of citation; the choice and arrangement of headings; kind of type. *II; (2).*

Mr. CLEAVINGER, Miss BOND and others

22. Library Extension.—Library legislation; organization and administration of public libraries; county and township library systems; special libraries; library commissions; library training; library associations. *II; (3).*

Mr. CLEAVINGER

23a-23b. Library Administration and Current Library Literature.—Current library periodicals, bulletins, reports, and reading lists; introduction to government documents; copyright; the planning and equipment of reading rooms and small library buildings; library accounts and business forms. This course includes an inspection trip to libraries and book-publishing firms in selected cities, requiring about one week and costing approximately thirty dollars (\$30.00). *I, II; (1).*

Miss FELSENTHAL

30. Practise.—Work in the various departments of the University Library. To be taken with Library 2, 16, 17, 18, 19, 20, and 21. *II; (3).*

Miss BOND

Courses for Library School Juniors and Seniors

[7. History of Libraries.—The foundation, development, and resources of the leading libraries of Europe and the United States. *II; (2).* Given in alternate years. Not given in 1921-22.

Miss SIMPSON]

9. History of Books and Printing.—History of the early forms of books; the invention and spread of printing; book illustration; book-binding. *II; (2).* Given in alternate years.

Mr. WINDSOR

Courses for Library School Seniors

8. Advanced Reference.—Transactions of learned societies; special periodicals and government publications; indexes and other works of value to a large reference department. *I; (2).*

Miss SIMPSON

Prerequisite: Library 2a-2b.

15a-15b. Seminar in Library Economy.—Special problems; library economy publications. *I, II; (2).*

Miss SIMPSON and others

24a-24b. Selection of Books.—Foreign fiction; drama; poetry; special problems in selection. *I, II; (2).*

Miss FELSENTHAL

26a-26b. Library Administration.—Advanced order work; library organization; library architecture; legislative and municipal reference work; library work with children; special topics. This course includes an inspection trip to libraries and book-publishing firms in selected cities, requiring about one week and costing approximately thirty dollars (\$30.00); and also one month of field work in a designated library, costing approximately fifty dollars (\$50.00). *I, II; (3).*

Mr. CLEAVINGER and others

27. Bibliographical Institutions.—Organization and work of bibliographical societies and institutions of America and Europe; cooperative bibliographical undertakings; international bibliography. *I; (1).*

Miss BOND

28. Practise.—Advanced practise in certain departments of the University library. *II*; (1 to 4).¹ *Time to be arranged.* Miss SIMPSON
 29. Advanced Classification and Cataloging.—Systems of book classification; comparative rules for cataloging books. *II*; (2). Miss BOND

Prerequisite: Library 17, 18.

- 40a-40b. Practise.—A continuation of Library 30 supplemented by one month of work as a member of the staff of an assigned public or other library. *I, II*; (3). Mr. CLEAVINGER

41a-41b. Subject Bibliography.—Selection of books in special subjects; the literature and bibliography of each. Lectures by professors in the respective departments of the University. *I, II*; (1). Mr. CLEAVINGER and others

- 13a-42. Public Documents.—First semester: production and distribution of United States documents; their treatment and use as reference books. Second semester: American state and municipal documents; publications of foreign governments. *I, II.* (2 and 3). Miss BOYD

Summer Session Courses

During the academic year of 1920-21, in connection with the University of Illinois summer session, the Library School offered the following courses:

Eight weeks' courses for college graduates, for credit toward the B.L.S. degree. Only those students are registered in these courses who can meet the entrance requirements of the Library School.

- S2a. Reference Work. Mr. CLEAVINGER
 S3a. Selection of Books. Miss BOYD
 S16. Order, Accession and Shelf. Miss BOND
 S30. Practise. Mr. CLEAVINGER

Six weeks elementary courses for which credit is not given toward the B.L.S. degree. These courses are intended for persons not eligible for admission to the Library School and such students must hold library positions or be under appointment to such positions or must have done at least one year's work in a recognized college or university.

- S1. Classification, Cataloging, Book Numbers.—*Five times a week.*
 S3. Selection of Books.—Book selection and subject bibliography. *Twice a week.*
 S4. Libraries and Children.—Selection and discussion of children's books; administration of children's libraries; classification and cataloging. *Twice a week.*
 S5. Order and Accession.—Loan department; binding and repair. *Twice a week.*
 S6. Library Administration and Extension.—*Twice a week.*
 S32. Reference Work.—Reference books suited to the small public library. *Three times a week.*

MATHEMATICS

Professors TOWNSEND, MILLER, SHAW, COBLE, CARMICHAEL; Associate Professor EMCH; Assistant Professors CRATHORNE, WAHLIN, KEMPNER, BLUMBERG, LYTLE; Dr. GREEN, Dr. STEIMLEY, Dr. BRAHANA, Dr. TURNER, Dr. HASEMAN, Dr. ARMSTRONG, Dr. CAMP, Dr. STETSON, Mr. REINSCH, Mr. PETTIT, Mr. WAHLEN, Mr. McFARLAN, Mr. BENDER, Mr. GRAESSER, Mr. HURST, Mr. WAGNER, Mr. HOBART, Mr. ARNOLD, Miss BATTERTON, Mr. BENNETT, Mr. JOHNSTON, Mr. MARTIN, Mr. McCLELLEN, Mr. STEVENSON, Mr. TSCHUDI
 Cooperating: Professor STEBBINS.

Major: 20 hours made up from any undergraduate courses offered by the department, except Mathematics 2, 3, 4, and 8, and including Mathematics 7 and 9.

Minors: 20 hours selected from not more than three of the following subjects: astronomy, chemistry, physics, theoretical and applied mechanics, and surveying. At least 8 hours must be offered in some one subject.

Courses for Undergraduates

2. College Algebra.—*I or II.* (3).

Professor MILLER, Assistant Professor BLUMBERG, Assistant Professor LYTLE, Dr. GREEN, Dr. STEIMLEY, Dr. BRAHANA, Dr. TURNER, Dr. HASEMAN, Dr. ARMSTRONG, Dr. CAMP, Dr. STETSON, Mr. REINSCH, Mr. PETTIT, Mr. WAHLEN, Mr. McFARLAN, Mr. BENDER, Mr. GRAESSER, Mr. HURST, Mr. WAGNER, Mr. HOBART, Mr. ARNOLD, Mr. BENNETT, Mr. JOHNSTON, Mr. MARTIN, Mr. McCLELLEN, Mr. TSCHUDI.

Prerequisite: Entrance algebra, 1½ units; plane geometry, 1 unit.

¹In registering for a course with variable credit hours, a student must put down on his study-list *not* the possible hours, as shown here, but the number of hours for which *he* intends to take the course; e.g., not 1-4, but 1, or 2, or 3, or 4.

3. Algebra.—(For students presenting only one unit of entrance algebra.) In addition to the work of college algebra (Mathematics 2), there is covered the more advanced topics of elementary algebra. *I*; (5).

Assistant Professor WAHLIN, Dr. STEINLEY, Dr. BRAHANA, Dr. ARMSTRONG, Mr. REINSCH, Mr. BENDER, Mr. GRAESSER, Mr. WAGNER, Mr. ARNOLD, Miss BATTERSTON, Mr. STEVENSON.

Prerequisite: Entrance algebra, 1 unit; plane geometry, 1 unit.

4. Plane Trigonometry.—*I* or *II*; (2).

Professor COBLE, Associate Professor EMCH, Dr. STEINLEY, Dr. BRAHANA, Dr. TURNER, Dr. HASEMAN, Dr. ARMSTRONG, Dr. CAMP, Dr. STETSON, Mr. REINSCH, Mr. PETTIT, Mr. WAHLEN, Mr. MCFARLAN, Mr. BENDER, Mr. GRAESSER, Mr. HURST, Mr. WAGNER, Mr. HOBART, Mr. ARNOLD, Mr. BENNETT, Mr. JOHNSTON, Mr. MARTIN, Mr. MCCLELLAN, Mr. STEVENSON, Mr. TSCHUDI.

Prerequisite: Entrance algebra, 1 unit; plane geometry, 1 unit.

6. Analytic Geometry.—Plane and solid analytic geometry. *I* or *II*; (5).

Associate Professor EMCH, Assistant Professor WAHLIN, Dr. TURNER, Dr. CAMP, Mr. REINSCH, Mr. MCFARLAN, Mr. HOBART.

Prerequisite: Mathematics 2 (or 3), 4.

6a. Analytic Geometry.—(For chemists and chemical engineers.) Plane and solid analytic geometry. This course is planned as a preparation for Mathematics 8. *II*; (4).

Assistant Professor BLUMBERG, Dr. HASEMAN

Prerequisite: Mathematics 2 (or 3), 4.

7-9. Differential and Integral Calculus.—The principles developed and applied to functions of one and of several variables. *I*; (5); *II*; (3).

Professor SHAW, Professor COBLE, Professor CARMICHAEL, Assistant Professor CROTHORNE, Assistant Professor BLUMBERG, Assistant Professor LYTLE, Dr. GREEN, Dr. STEINLEY, Dr. BRAHANA, Dr. TURNER, Dr. HASEMAN, Dr. ARMSTRONG, Dr. CAMP.

Prerequisite: Mathematics 6.

19. Solid Analytic Geometry.—This course is designed to furnish the geometric training needed in parts of Mathematics 9 and also as a continuation of Mathematics 6. A review of the plane and right line in space; quadric and other surfaces; plotting of surfaces. Curves in space. It may be taken in connection with Mathematics 9. *II*; (3).

Professor COBLE

Prerequisite: Mathematics 7 or 8.

8a-8b. Differential and Integral Calculus.—(For students in chemistry and chemical engineering.) *I*, *II*; (3). Assistant Professor KEMPNER, Assistant Professor WAHLIN

Prerequisite: Mathematics 6a or 6.

9a. Differential and Integral Calculus.—(Second course.) The definite (single and multiple) integrals; the formation of problems in applied mathematics; line, surface, and volume integrals; the theorem of Stokes and Green; partial differentiations; exact integrals with applications of the conditions for exactness; elements of differential equations, approximate quadrature and integration of differential equations. *I*; (2).

Professor SHAW, Assistant Professor BLUMBERG, Dr. GREEN

Prerequisite: Mathematics 7 and 9 (or 8).

Courses for Advanced Undergraduates and Graduates

10. Theory of Equations and Determinants.—Properties of an algebraic equation in one unknown; systems of simultaneous equations; a system of linear equations; determinants. *I*; (3). Professor MILLER

Prerequisite: Mathematics 7 and 9 (or 8).

16-17. Differential Equations and Advanced Calculus.—Ordinary and partial differential equations; special topics of calculus. *I*, *II*; (3). Professor TOWNSEND

Prerequisite: Mathematics 7 and 9 (or 8).

18. Constructive and Projective Geometry.—Methods of geometric constructions and constructive solution of problems. Approximative constructions. Discussion of possibilities of construction by ruler and compasses, by double-ruler, and instruments of higher order. Elements of inversive geometry in plane and space. Stereographic projection; isometric projection; orthographic projection, perspective; geometrical principles involved in projective processes; introduction to projective geometry. Analytic formulation of projective methods. *II*; (3). Associate Professor EMCH

Prerequisite: Mathematics 6.

21. Method of Least Squares.—Law of probability and error; adjustment of obser-

vations; precision of observation; independent and conditional observations. *I*; (2).

Professor STEBBINS

Prerequisite: Mathematics 7 and 9, or 8.

22. Statistics.—Graphical exhibition of data; meaning, use, and abuse of various kinds of averages; frequency distributions; measures of dispersion, applications of theory of probability; correlation; measurement and elimination of secular trend and of cyclical changes. *I*; (3).

Assistant Professor CRATHORNE

Prerequisite: Mathematics 2; junior standing.

23. Mathematics of Finance.—Mathematical theory of interest and discount; annuities; sinking funds; valuation of bonds; depreciation; building and loan associations; theory of probability and its application to simple problems in life insurance. *II*; (3).

Assistant Professor CRATHORNE

Prerequisite: Mathematics 2; junior standing.

30-31. Actuarial Theory.—Life contingencies; life tables; monetary tables; valuation of policies to meet statutory requirements; risk; distribution of surplus; annual reports; inheritance taxes; old age pensions; workmen's compensation; investing the funds of an insurance company. *I, II*; (3).

Assistant Professor CRATHORNE

Prerequisite: Mathematics 7 and 9 (or 8), 23.

32. History of Mathematics.—The elementary subjects; rise and growth of the higher mathematics, chiefly in the nineteenth century; biography. Lectures; reports on assigned reading. *II*; (2). (Not given in 1921-22.)

Assistant Professor LYTLE

Prerequisite: Eighteen hours of mathematics, including Mathematics 7, 9.]

35. Teachers' Course.—Secondary algebra and geometry; educational value; position in course; methods of teaching; correlation; American and foreign methods; order and importance of topics; text-books; literature. Lectures; discussions; reports. *I*; (2).

Assistant Professor LYTLE

Prerequisite: Eighteen hours of mathematics, including Mathematics 7, 9.

40. Fundamental Concepts of Mathematics.—The number concept; unity, aggregate order, and correspondence; irrationals and limits, transcendence of e and n ; parallel axiom and non-euclidian geometrics; constructions with ruler and compass; function; logic of mathematics. *II*; (2).

Assistant Professor LYTLE

Prerequisite: Eighteen hours of mathematics, including Mathematics 7, 9.

90. Undergraduate Thesis.—Special training in mathematical investigation for seniors, *I, II*; (2).

Members of the department

Prerequisite: Twenty-four hours of college mathematics.

91. Introduction to Modern Mathematics.—The purpose of the course is to broaden the student's horizon by introducing him—through suggestive lectures, literature, references and discussions—to some of the more fruitful ideas and methods in modern mathematics. Open to seniors specializing in mathematics; otherwise by permission of the instructor. *I, II*; (2).

Assistant Professor BLUMBERG

Courses for Graduates

Students entering on graduate study with a major in mathematics must have had twenty-five semester hours of undergraduate work in mathematics, including a year's course in calculus, and a course in theory of equations or in differential equations.

100. Seminar and Thesis.—*Three times a week; I, II; (1 or 2 units).*

Professors in department

[101. Functions of Real Variables.—(Introductory course.) Theory of point sets with applications to problems in differentiation and integration. *Three times a week; I, II; (1 unit).* Not given in 1921-22.

Professor TOWNSEND

Prerequisite: Mathematics 16-17.]

102. Functions of a Complex Variable.—*Three times a week; I, II; (1 unit).*

Professor TOWNSEND

104. Theory of Aggregates.—Modern treatment of the unrestricted set, correspondence, order, limit, neighborhood, measure, etc. *Three times a week; II; (1 unit).*

Assistant Professor BLUMBERG

Prerequisite: One year of graduate work in mathematics.

[105. Calculus of Variations.—Conditions for a maximum or minimum in simple and isoperimetric problems. *Three times a week; I, II; (1 unit).* Not given in 1921-22.

Assistant Professor CRATHORNE]

[109. Algebraic and Abelian Functions.—Algebraic functions and their integrals on the Riemann surface. Abel's theorem and the inversion problem. Multiply periodic functions. Applications to the geometry on curves. Extensions to functions of two

variables and the geometry on surfaces. *Three times a week; I, II; (1 unit)*. Not given in 1921-22. Professor COBLE

Prerequisite: Mathematics 102; Mathematics 110a advised.]

110a. Elliptic Functions.—The processes of analysis on which the theory of elliptic functions depends; singly periodic functions; means of approach to the theory of doubly periodic functions; development of the theory from the point of view of definite integrals, and of Mittag-Leffler's partial fraction expansion. *Three times a week; I; (1 unit)*. Professor CARMICHAEL

[110b. Elliptic Functions.—Approach to the theory of doubly periodic functions from the point of view of Weierstrass's product expansion, of q -difference equations, and of functional equations; applications to geometry, mechanics, and the theory of numbers; periodic functions of two variables. *Three times a week; II; (1 unit)*. Not given in 1921-22. Professor CARMICHAEL]

[111a. Automorphic Functions.—Geometry in the complex plane. The group-theoretic side of the theory. *Three times a week; I; (1 unit)*. Not given in 1921-22. Assistant Professor EMCH]

[111b. Automorphic Functions.—Function-theoretic developments and applications of automorphic function. *Three times a week; II; (1 unit)*. Not given in 1921-22. Professor EMCH]

[112. Theory of Linear Difference Equations.—General introduction; the gamma functions; general existence theorems; expansions in functions defined by difference equations and applications to the theory of functions; transcendently transcendental functions. *Three times a week; I, II; (1 unit)*. Not given in 1921-22. Professor CARMICHAEL

Prerequisite: Mathematics 102.]

[113. Linear Differential Equations in Real Variables.—General existence theorems; oscillation theorems and pendulum problems; etc. *Three times a week; I; (1 unit)*. Not given in 1921-22. Professor CARMICHAEL]

[114. Linear Differential Equations in Complex Variables.—General existence theorems, function-theoretic considerations; etc. *Three times a week; II; (1 unit)*. Not given in 1921-22. Professor CARMICHAEL]

116. Theory of Relativity.—Restricted theory of relativity: postulates, measurement of length and time, equations of transformation, mass and energy, experimental verification. General theory of relativity: transformations in space of four dimensions, tensors, covariant differentiation, Einstein's law of gravitation, the crucial phenomena, electromagnetic equations, general speculative considerations. *Three times a week; II; (1 unit)*. Professor CARMICHAEL

Prerequisite: Graduate standing in mathematics.

122. Modern Algebra.—*Three times a week; I; (1 unit)*. Assistant Professor KEMPNER

123. Analytic Theory of Numbers.—Applications of the theory of analytic functions to the theory of numbers. Riemann's zeta function and the distribution of prime numbers. *Three times a week; II; (1 unit)*. Assistant Professor KEMPNER

Prerequisite: Graduate standing, mathematics 102, I.

[124. The Theory of Numbers.—First semester: Theory of congruences, power residues with special study of quadratic residues and the law of reciprocity, and higher congruences. Second semester: Theory of algebraic numbers, domains of rationality, the theory of ideals. *Three times a week; I, II; (1 unit)*. Not given in 1921-22. Assistant Professor WAHLIN]

[125. Continuous Groups.—Representation of certain continuous transformation groups by means of ordinary complex numbers. Lie's theory of differential equations, etc. *Three times a week; I; (1 unit)*. Not given in 1920-21. Professor MILLER]

[126. Finite Groups.—Substitution groups of low degrees. Sylow's theorem; etc. *Three times a week; I, II; (1 unit)*. Not given in 1921-22. Professor MILLER]

127. Theory of Groups.—Advanced course. *Three times a week; I, II; (1 unit)*. Professor MILLER

[129. Theory of Statistics.—Methods of statistical investigation; application to problems in economics, sociology, and biology. *Three times a week; I, II; (1 unit)*. Not given in 1921-22. Assistant Professor CRATHORNE]

[130. Invariants and Higher Plane Curves.—Applications of the theory of invariants to higher plane curves, etc. *Three times a week; I, II; (1 unit)*. Not given in 1921-22. Professor COBLE

Professor COBLE

131. Algebraic Surfaces.—The application of homogenous coordinates and the theory of invariants to geometry of three dimensions, etc. *Three times a week; I, II; (1 unit).* Assistant Professor EMCH

Prerequisite: Mathematics 19.

132. Projective Geometry.—*Three times a week; both semesters. (1 unit.)* Professor COBLE

133. Geometric Transformations.—Motion in a plane; perspective; collineation; correlation; polarity; inversion, quadratic transformations; in particular the Steinerian transformation. Discussion of various transformations in space. *Three times a week; I; (1 unit).* Not given in 1921-22. Associate Professor EMCH

Prerequisite: Twenty-one hours of college mathematics.]

134. Geometry in a Complex Field.—Geometric constructions in a complex plane; bilinear and higher algebraic transformations in a complex plane and their geometric interpretation. Geometric theory of associated point-couples, and its applications. The treatment of imaginary elements in geometry. Theory of foci. Motion in a complex plane. *Three times a week; II; (1 unit).* Not given in 1921-22. Associate Professor EMCH

135. Differential Geometry.—Applications of the calculus and of differential equations to the theory of curves and surfaces. Curves on surfaces. Quadratic differential forms. *Three times a week; second semester. (1 unit).* Not given in 1921-22. Professor COBLE

141. Vector Methods.—The algebras of quaternions, space and analysis, and dyadics; differentials and integrals of space; applications to mechanics, elasticity, hydrodynamics, electrodynamics, and meteorology. *Three times a week; I; (1 unit).* Not given in 1921-22. Professor SHAW

142. General Vectors.—The algebras applicable to space of four dimensions, and n dimensions; differential and integral operators; applications to relativity problems of kinematics, mechanics, electrodynamics; general dyadics and applications. *Three times a week; II; (1 unit).* Not given in 1921-22. Professor SHAW

143. Linear Algebra.—A general study of the theory of linear associative and non-associative algebras, particular consideration of the types of algebras, and their chief representatives; applications. *Three times a week; I; (1 unit).* Professor SHAW

144. General Algebra.—The general theory of combinations of elements, with a study of the main types such as associativity, commutativity, and other limitation types; applications to the theory of infinite algebras and the theory of general operators. *Three times a week; II; (1 unit).* Professor SHAW

145. Fundamental Functions.—The theory of orthogonal and biorthogonal functions and expansions in terms of them, with particular study of several well-known cases; applications to the solution of differential and integral equations. *Three times a week; I; (1 unit).* Not given in 1921-22. Professor SHAW

146. Functional Transformations.—The theory of operators which transform functions into functions, particularly those related to the infinite algebras of orthogonal functions; applications to functions of lines, surfaces, etc., and to integro-differential equations; general infinite vector analysis. *Three times a week; II; (1 unit).* Not given in 1921-22. Professor SHAW

Summer Session Courses

The department of mathematics offers at least five courses each summer for graduates and advanced undergraduates, and these courses will be so varied as to enable advanced students to secure a suitable sequence during four or five successive summer sessions to meet the requirements for at least the master's degree. Three of these five courses are of an intermediate grade, open to advanced undergraduates as well as to graduates, while the other two are primarily for graduate students.

The intermediate courses are for the present to be devoted to the following six subjects: Theory of equations and determinants, advanced calculus, constructive geometry, advanced algebra, differential equations, and advanced analytic geometry. It is proposed to give a course on each of these subjects every two years.

The prerequisites and credit values are the same as for these courses in the regular semesters unless otherwise stated.

Courses for Undergraduates

S2. College Algebra. (3).

S4. Plane Trigonometry. (2).

S6. Analytical Geometry. (5).

S7. Differential Calculus. (5).

S9. Integral Calculus. (3).

Mr. WAHLEN, Mr. PETTIT, Mr. HURST
Assistant Professor WAHLIN, Mr. HURST

Mr. McFARLAN

Dr. STEIMLEY

Mr. PETTIT

Courses for Advanced Undergraduates and Graduates

- S10. Theory of Equations and Determinants.**—Determinants; systems of linear equations; algebraic equations. (2½). Assistant Professor KEMPNER
Prerequisite: Mathematics 9 or 9a.
- S17. Advanced Calculus.**—Various topics from calculus and analysis. Text: Goursat-Hedrick's *Mathematical Analysis*. (2½). Assistant Professor KEMPNER
- S18. Projective Geometry.**—The elements of synthetic and analytic projective geometry with applications to conics and quadrics. (2½). Professor COBLE

Courses for Graduates

- S120. Theory of Groups.**—An introduction to the theory of groups and the Galois theory of algebraic equations. (1 unit). Assistant Professor WAHLIN
- S135. Metric Differential Geometry.**—Curves and surfaces in parametric form; quadratic differential forms. (1 unit). Professor COBLE

MECHANICAL ENGINEERING

Professors WILLARD, GOODENOUGH, BENEDICT, LEUTWILER; Associate Professors POLSON, HAM, MACINTIRE; Assistant Professors SEVERNS, RIDDELL; Mr. HENWOOD, Mr. CROFT, Mr. ARNOLD, Mr. RADEBAUGH, Mr. WISE, Mr. LANHAM, Mr. HALL, Mr. CRANE, Mr. MARTIN, Mr. NICHOLAS, Mr. FOXWELL, Mr. GOFF, Mr. LINN, Mr. SCHRICKER, Mr. STARR, Mr. WRIGHT, Mr. SCHROEDER, Mr. CROSBY, Mr. ENGLEHART.

Courses for Undergraduates

- 1. Steam and Air Machinery.**—The construction, operation, and care of boilers, engines, and air compressors; elementary thermodynamics; steam engine performance; transmission of compressed air and its application. (For students in chemical, civil, and mining engineering.) I; (3).
 Associate Professor POLSON, Mr. ARNOLD, Mr. CROFT, Mr. GOFF and Mr. LINN
Prerequisite: Junior standing.
- 2. Steam Engineering.**—Engines, boilers, pumps, condensers, and other steam machinery. II; (3).
 Associate Professor POLSON, Mr. ARNOLD, Mr. CROFT, Mr. GOFF and Mr. LINN
Prerequisite: Physics 1a-1b, 3a-3b.
- 4. Steam Engineering.**—The theory of the steam engine, steam turbine, and other steam machinery. (For students in mechanical engineering.) I; (3).
 Associate Professor POLSON, Associate Professor MACINTIRE
Prerequisite: Junior standing.
- 5. Steam Engineering.**—Continuation of Mechanical Engineering 4. I; (3).
 Associate Professor POLSON, Associate Professor MACINTIRE
Prerequisite: Junior standing.
- 10. Thermodynamics and Heat Engines.**—The transformation of heat into work; the second law, irreversible processes; the properties of media; applications to compressors and heat engines. (For students in electrical and general engineering.) I and II; (3).
 Associate Professor MACINTIRE, Mr. GOFF, Mr. LINN
Prerequisite: Mechanical Engineering 1 or 2.
- 13. Thermodynamics.**—The transformation of heat into work; the second law and its connection with irreversible processes; the properties of heat media; the perfect gases; saturated and superheated vapors; the flow of fluids. II; (5).
 Professor GOODENOUGH
Prerequisite: Mathematics 9a; Theoretical and Applied Mechanics 21.
- 14. Thermodynamics.**—Application of the principles of thermodynamics to the steam engine, steam turbine, internal combustion engine, air compression and refrigeration. II; (3).
 Professor GOODENOUGH
Prerequisite: Mechanical Engineering 13.
- 15. Gas Power Engineering.**—Internal combustion engines, liquid and gaseous fuels and their combustion; gas producers. I and II; (3).
 Professor GOODENOUGH
Prerequisite: Mechanical Engineering 14.
- 17. Refrigeration Engineering.**—The theory and application of the principles

of mechanical cooling to industrial processes. A study of refrigerants, of machinery and auxiliaries and heat transfer. The cooling of air and commodities. *I*; (3).

Associate Professor MACINTIRE

Prerequisite: Senior standing in Mechanical Engineering.

23. Mechanical Equipment of Buildings.—Theory and practise of designing simple systems for the mechanical equipment of buildings, including heating and ventilation, refrigeration, fire protection, vacuum cleaning, elevators, lighting, and small power plants. Lectures; laboratory. *I*; (5).

Professor WILLARD

Prerequisite: Senior standing.

25. Heating and Ventilation for Architects.—The theory and application of principles of heating and ventilation to modern practise. Direct and indirect steam and hot water heating; furnace heating; ventilation and air analysis; air conditioning; temperature and humidity control. *I*; (2).

Professor WILLARD

Prerequisite: Senior standing.

28. Heating and Ventilation.—The theory and application of the principles of heating and ventilation to modern practise. Steam boilers and water heaters of steel and cast iron for heating service; heat losses from buildings; direct and indirect steam and hot water heating; using gravity systems; furnace heating; fan blast or mechanical indirect systems; exhaust steam heating; district heating by steam and water; ventilation and air analysis; air conditioning; temperature and humidity control. *II*; (4).

Professor WILLARD

Prerequisite: Mechanical Engineering 65.

31. Mechanics of Machinery.—Mechanisms and mechanical movements; cams, gears, valve gears, and quick-return motions; graphical constructions for displacement, velocity, and acceleration; kinetics of the steam engine mechanism and similar mechanisms; balancing, critical speeds; force and mass reduction. *I*; (5).

Professor HAM, Mr. CROFT, Mr. FOXWELL

Prerequisite: Theoretical and Applied Mechanics 21.

33. Aeronautic Engineering.—History and development of aeronautic science with critical analyses of the design and construction of aircraft. *I*; (3).

Assistant Professor RIDDELL

Prerequisite: Theoretical and Applied Mechanics 21 and 29; senior standing.

34. Aeronautic Engineering.—Continuation of Mechanical Engineering 33. *II*; (3).

Assistant Professor RIDDELL

Prerequisite: Mechanical Engineering 33.

37. Principles of Management.—The underlying principles of organization and of management; application of science to industrial problems; selection, training and compensation of labor; modern production methods. *I* or *II*; (3). Professor BENEDICT

Prerequisite: Mechanical Engineering 81, 84; senior standing.

40. Mechanical Engineering Design.—Theory of machine design, with application; investigation of actual machines similar to the one to be designed; design of machinery subjected to heavy and variable stresses; punches, shears, presses, riveters, and cranes. *II*; (3).

Professor LEUTWILER, Mr. HENWOOD, Mr. FOXWELL

41. Mechanical Engineering Design.—Continuation of Mechanical Engineering 40. *I*; (4).

Professor LEUTWILER, Professor HAM, Mr. FOXWELL, Mr. CRANE

Prerequisite: Mechanical Engineering 40.

52. Power Plant Design.—Study and design of some form of steam power plant. *II*; (3).

Professor LEUTWILER, Mr. HENWOOD

Prerequisite: Mechanical Engineering 43 and 65.

61. Power Measurement.—The testing and calibration of instruments and apparatus; use of the indicator, calculation of horse-power and steam consumption; reading of indicator diagrams; valve setting. (For students in electrical engineering.) *I*; (2).

Associate Professor POLSON, Assistant Professor SEVERNS, Mr. ARNOLD, Mr. CROFT, Mr. LINN, Mr. MARTIN, Mr. NICHOLAS.

Prerequisite: Mechanical Engineering I and 2.

62. Power Measurement and Steam Engines.—Laboratory work, substantially the same as that given in Mechanical Engineering 61, supplemented by lectures on steam machinery. *II*; (3).

Associate Professor POLSON, Assistant Professor SEVERNS, Mr. ARNOLD, Mr. CROFT, Mr. LINN, Mr. MARTIN, Mr. NICHOLAS.

Prerequisite: Junior standing.

64. Power Measurement.—Apparatus for engine and boiler tests—scales, thermom-

eters, indicators, brakes and dynamometers, gauges, calorimeters; methods of calibrating and using such apparatus; tests for horse-power of steam engines; pumps; and gas engines. Reports *II*; (3).

Associate Professor POLSON, Assistant Professor SEVERNS, Mr. ARNOLD, Mr. CROFT, Mr. MARTIN, Mr. NICHOLAS.

Prerequisite: Registration in Mechanical Engineering 4 and 14.

65. Power Laboratory.—Experiments on engines, turbines, gas engines, pumps, boilers, injectors, air compressors, heating apparatus, and refrigerating machines. *I*; (3).

Associate Professor POLSON, Assistant Professor SEVERNS, Mr. CROFT, Mr. ARNOLD, Mr. MARTIN, Mr. NICHOLAS.

Prerequisite: Mechanical Engineering 14 and 64.

71. Forge Work for Agricultural Students.—Forging and welding; tempering tools; pointing and hardening cultivator shovels, plowshares. Six hours a week, either half of *I* or *II*; (1). Time to be arranged.

Mr. LANHAM, Mr. GERBING

73. Woodwork for Agricultural Students.—Carpentry for the farmer; use of tools; layout and construction of building joints; repairs to buildings and equipment. Six hours a week, either half of *I* or *II*; (1). Time to be arranged.

Mr. HALL, Mr. WRIGHT

75. Forge Practise and Management.—(9 weeks).—Modern forge shop practises, and management of metal forging plants. Planning, routing, dispatching, and inspection of work; time studies; production of standard parts; heat treatment of steel; case carbonizing; machine and hand forging; studies of forge shop practises; methods and equipment. *I* or *II*; (1).

Professor BENEDICT, Mr. LANHAM, Mr. ENGLEHART

77. Foundry Practise and Management.—(18 weeks).—Modern foundry practise and management. Planning, routing, dispatching, and inspection of work; time studies; production of standard castings; brass furnace and cupola practise; machine, bench and floor molding; core making; cleaning castings; tool and stock room methods; studies of foundry practises, methods, and equipment. *I* or *II*; (3).

Professor BENEDICT, Mr. WISE, Mr. SCHROEDER, Mr. CROSBY

79. Pattern Shop Practise and Management.—(9 weeks).—Training in modern pattern shop practises. Planning, routing, dispatching, and inspection of work; time and cost keeping; time studies; work schedules; layout and construction of wood and metal patterns for both machine and hand molding; care and use of tools; machine operation; studies of pattern shop practises, methods, and equipment. *I* or *II*; (2).

Professor BENEDICT, Mr. HALL, Mr. WRIGHT

81. Machine Shop Practise and Management.—(18 weeks).—Modern machine shop practise and management of metal working plants. Manufacturing methods; shop management; planning; production; routing; dispatching; inspection; time studies; shop accounting; machine operation; assembling; testing; studies of machine shop practise, methods, and equipment. *I*; (3).

Professor BENEDICT, Mr. RADEBAUGH, Mr. SCHRICKER, Mr. STARR

Prerequisite: Mechanical Engineering 75, 77 and 79.

84. Machine Shop Practise and Management.—Continuation of Mechanical Engineering 81. *II*; (3). Professor BENEDICT, Mr. RADEBAUGH, Mr. STARR, Mr. SCHRICKER

Prerequisite: Mechanical Engineering 81.

97-98. Thesis.—Investigation of special subject and preparation of thesis embodying a review of the literature of the subject, the results of investigation, and a discussion of those results. *I* or *II*; (3). Time to be arranged.

99. Inspection Trip.—*I*; (no credit).

Prerequisite: Senior standing.

Courses for Graduates

Entrance or graduate work in mechanical engineering presupposes the full undergraduate course in that subject.

107. Thermodynamics.—Application of thermodynamics to the solution of physical and engineering problems. *Twice a week; I; (1 unit).* Time to be arranged.

Professor GOODENOUGH

109. Machine Design.—Rational design; the application of mechanics of materials. Individual problems. *Twice a week; I or II; (1 unit).* Time to be arranged.

Professor LEUTWILER

112. Laboratory Investigations.—Combustion of fuel; boiler economy; steam engines and turbines; gas engines and producers; properties of explosive mixtures; mechanical refrigeration. Original work. *Three times a week; I, II; (1½ units).* Time to be arranged.

Professor WILLARD

MECHANICS, THEORETICAL AND APPLIED

PROFESSORS TALBOT, MOORE, ENGER, SEELY; ASSISTANT PROFESSORS FLEMING, ENSIGN, PUTNAM, WESTERGAARD, RICHART; MR. DRAFFIN, MR. LARSON, MR. SCHWALBE, MR. LEINROTH, MR. GILKEY, MR. OSGOOD.

Courses for Undergraduates

10. Hydraulics.—Pressure and flow of water; utilization as motive power; observation and measurement of pressure, velocity and flow; power and efficiency; determination of experimental coefficients. Laboratory weekly. *II*; (3).

Professor ENGER, Professor SEELY, Assistant Professor FLEMING, Assistant Professor PUTNAM.

Prerequisite: Mathematics 9; Theoretical and Applied Mechanics 21.

14. Elements of Mechanics.—Kinematics, kinetics, and statics. (For architects and others who have not taken the calculus). *II*; (4). Mr. DRAFFIN

Prerequisite: Mathematics 2, 4.

15-16. Strength of Materials.—Graphical methods; elastic curve of beams; centroids and moments of inertia of areas; reinforced concrete beams and columns; tests of engineering materials. (For students in architecture and others without the prerequisites for course 25 or 29.) Laboratory every other week. *I, II*; (3).

Assistant Professor WESTERGAARD, Mr. DRAFFIN

Prerequisite: Theoretical and Applied Mechanics 14.

20. Analytical Mechanics.—The mechanics of engineering rather than that of astronomy and physics. Force systems, equilibrium, centroids and center of gravity; friction; kinematics; problems; statement of conditions and use of data. *II*; (3).

Professor SEELY, Assistant Professor ENSIGN, Assistant Professor WESTERGAARD, Mr. DRAFFIN, Mr. LARSON, Mr. SCHWALBE, Mr. LEINROTH, Mr. GILKEY, Mr. OSGOOD.

Prerequisite: Mathematics 7; registration in Mathematics 9. (Mathematics 8a and registration in Mathematics 8b for students in chemical engineering and industrial administration.)

21. Analytical Mechanics.—Continuation of course 20. Kinematics and kinetics. *I*; (2).

Professor SEELY, Assistant Professor ENSIGN, Assistant Professor WESTERGAARD, Mr. DRAFFIN, Mr. LARSON, Mr. SCHWALBE, Mr. LEINROTH.

Prerequisite: Mathematics 8b or 9; Theoretical and Applied Mechanics 20.

25. Resistance of Materials.—A briefer course than Theoretical and Applied Mechanics 29. (For students in architectural, ceramic, chemical, electrical, and mining engineering.) *I*; (4).

Assistant Professor FLEMING, Assistant Professor ENSIGN, Assistant Professor PUTNAM, Assistant Professor WESTERGAARD, Mr. LARSON, Mr. SCHWALBE, Mr. LEINROTH, Mr. GILKEY, Mr. OSGOOD.

Prerequisite: Mathematics 9; Theoretical and Applied Mechanics 20.

26. Analytical Mechanics and Hydraulics.—Kinematics, kinetics, and hydraulics; problems; hydraulic laboratory. (For students in architectural, electrical, and mining engineering.) Laboratory weekly during the last half of the semester. *II*; (4).

Professor ENGER, Professor SEELY, Assistant Professor FLEMING, Assistant Professor PUTNAM, Assistant Professor WESTERGAARD.

Prerequisite: Theoretical and Applied Mechanics 25.

29. Resistance of Materials.—Mechanics of materials; properties and requirements for materials of construction; effect of methods of manufacture on quality; specifications and standard tests. (For students in civil, mechanical, and municipal and sanitary engineering.) Recitations; lectures, assigned reading. Laboratory weekly. *I*; (5).

Professor TALBOT, Professor SEELY, Assistant Professor FLEMING, Assistant Professor ENSIGN, Assistant Professor PUTNAM, Assistant Professor WESTERGAARD, Mr. DRAFFIN, Mr. LEINROTH, Mr. GILKEY, Mr. OSGOOD.

Prerequisite: Mathematics 9; registration in Theoretical and Applied Mechanics 21.

36. Analytical Mechanics.—The portion of course 26 devoted to analytical mechanics. (Open only to railway electrical engineering students.) *II*; (2).

Assistant Professor PUTNAM

Prerequisite: Theoretical and Applied Mechanics 25.

Courses for Advanced Undergraduates and Graduates

1. Analytical Mechanics.—Especially for graduates and advanced undergraduates in Arts and Sciences. Lamb's *Statics*. I; (3). Not given in 1921-22.

Assistant Professor ENSIGN

Prerequisite: Mathematics 8 or 9.]

2. Analytical Mechanics.—[A continuation of Theoretical and Applied Mechanics 2. Lamb's *Dynamics*. II; (3). Not given in 1921-22.

Assistant Professor ENSIGN

Prerequisite: Theoretical and Applied Mechanics 1.]

41. Advanced Mechanics of Materials.—Special problems met in engineering. Thick cylinders, guns, curved beams, hooks, chain links, rings, unsymmetrical bending, flat plates, bulk heads; elastic strength of material as affected by heat treatment and over-strain; stresses due to impact loads; resistance of materials to repeated loading; collapsing pressure of thin-walled vessels. Exact versus approximate analyses. Methods of extending approximate analyses. General methods of attack. The application of mechanics to special machine parts and structures. I; (3).

Professor SEELY

Prerequisite: Theoretical and Applied Mechanics 20 and 25 or 29.

42. The Properties of Engineering Materials; Specifications and Inspection.—The properties and uses of materials of construction, iron, steel, non-ferrous metals, wood, concrete, brick, and stone. Standard specifications for materials; methods of inspection. II; (2).

Professor SEELY

Prerequisite: Theoretical and Applied Mechanics 20 and 25 or 29.

44. Laboratory Work in Testing Materials.—Study of testing machines and strain measuring apparatus; practise in making standard tests in tension, compression, and flexure. Torsion tests, impact tests, hardness tests, repeated stress tests, and tests of special forms. Systematic tabulation and reduction of test data. Laboratory and computing room periods. II; (3).

Professor MOORE

Prerequisite: Theoretical and Applied Mechanics 20 and 25 or 29.

45. Advanced Technical Mechanics.—A survey of graphical and algebraic methods and principles used in technical elastostatics. General theories of deformations of structures, in particular of statically indeterminate structures; principles of virtual work and of least action; the method of the substitute structure; the method of the principal displacements, including the slope-deflection method; Ritz's method; elastic stability and buckling. Applications to a variety of structures in different fields of engineering. I; (3).

Assistant Professor WESTERGAARD

Prerequisite: Theoretical and Applied Mechanics 20 and 25 or 29, or equivalent work in physics and mathematics.

Courses for Graduates

Entrance on graduate work in theoretical and applied mechanics presupposes a full undergraduate course in that subject.

101. Analytical Mechanics.—The historical development of methods of analysis; advanced problems in statics and dynamics; critical and comparative study of texts. *Twice a week; II; (1 unit).*

Professor MOORE

102. Resistance of Materials.—Properties of materials used in engineering construction and methods of determining these properties; mechanics of materials; effect of form of member in a structure or machine; the method of application of forces; comparative study of texts. *Twice a week; II; (1 unit).*

Professor MOORE

103. Hydraulics and Hydraulic Engineering.—The laws of hydraulics and their application to engineering problems; hydraulic power and its development; design and investigation. *Twice a week; II; (½ to 1 unit).*

Professor ENGER

104. Experimental Work in the Laboratory of Applied Mechanics.—(a) Laboratory investigation in the materials-testing laboratory; (b) experimental work in hydraulic laboratory. *Twice a week; I, II; (½ to 2 units).*

Professor TALBOT, Professor MOORE, Professor ENGER

105. Experimental and Analytical Work in Reinforced Concrete.—Research; interpretation of experimental results and their application to the design of structures; principles of construction. Laboratory experimentation. *Twice a week; I, II; (1 to 2 units).*

Professor TALBOT

Summer Session Courses

S20. Analytical Mechanics.—(3).

Assistant Professor ENSIGN, Assistant Professor BABBITT

Prerequisite: Mathematics 7; registration in Mathematics 9.

S21 Analytical Mechanics.—(3). Assistant Professor ENSIGN

Prerequisite: Mathematics 9; Theoretical and Applied Mechanics 20.

S25. Resistance of Materials.—(4).

Assistant Professor PUTNAM, Assistant Professor BABBITT

Prerequisite: Mathematics 9; Theoretical and Applied Mechanics 20.

MEDICINE

(See under COLLEGE OF MEDICINE)

METEOROLOGY

(See GEOLOGY)

MINERALOGY

(See GEOLOGY)

MILITARY SCIENCE

Professor DAILEY; Associate Professors CAMP, BURR, ATKINS, MURPHY, CONNOR; Assistant Professors EHLERT, GROW, JOHNSTON, LYON, RUMBROUGH, WHITESIDES, ALEXANDER, ATWELL, WILLIAMS, STEWART, BENNETT; Mr. CROUCH, Mr. MORONEY, Mr. GOLDEN, Mr. TALBOTT, Mr. HAYWARD, Mr. LYNCH, Mr. PINSENSHAUM, Mr. MAHAN, Mr. JOHNSON.

Freshman Infantry

1a-2a. Practical.—Organization; military courtesy and discipline; infantry drill regulations; disciplinary gymnastics; gallery practise; range practise; scouting and patrolling. Two hours a week. *I, II; (½).*

Associate Professor MURPHY, Assistant Professor EHLERT, Assistant Professor JOHNSTON, Mr. GOLDEN, Mr. MORONEY

1b-2b. Theoretical.—Infantry drill regulations; care and handling of arms and equipment; rifle marksmanship; military policy; personal hygiene; first aid; sanitation; military courtesy and customs of the service. One hour a week. *I, II; (½).*

Associate Professor CAMP, Associate Professor MURPHY, Assistant Professor EHLERT, Assistant Professor BAKER, Assistant Professor JOHNSTON, Mr. GOLDEN

Sophomore Infantry

3a-4a. Practical.—Infantry weapons; command and leadership; musketry; topography. Two hours a week. *I, II; (½)*

Professor DAILEY, Associate Professor MURPHY, Assistant Professor EHLERT, Assistant Professor JOHNSTON, Mr. CROUCH, Mr. MORONEY.

3b-4b. Theoretical.—Topography and map reading; military policy; first aid and camp sanitation. One hour a week. *I, II; (½).*

Associate Professor CAMP, Associate Professor MURPHY, Assistant Professor EHLERT, Assistant Professor JOHNSTON, Mr. GOLDEN

Junior Infantry

5a-6a. Practical.—Duties of officers and non-commissioned officers, including all subjects in 1a-2a, 3a-4a, accompanying weapons. Three hours a week. *I, II; (½).*

Professor DAILEY, Associate Professor CAMP, Associate Professor MURPHY, Assistant Professor EHLERT, Assistant Professor BAKER, Assistant Professor JOHNSTON, Mr. GOLDEN, Mr. CROUCH, Mr. MORONEY

5b-6b. Theoretical.—Musketry; accompanying weapons; international and military law; field engineering. Two hours a week. *I, II; (1).*

Associate Professor MURPHY, Mr. CROUCH, Mr. MORONEY

Junior Infantry

(For students who have had previous ROTC Training. See MILITARY SCIENCE)

5c-6c. Practical.—Accompanying weapons, including the functioning of Machine Gun and Howitzer Companies. Two hours a week. *I, II; (½).*

Professor DAILEY, Associate Professor CAMP, Associate Professor MURPHY, Mr. CROUCH, Mr. MORONEY

5d-6d. Theoretical.—Accompanying weapons; law; field engineering. Three hours a week. *I, II; (1).*

Professor DAILEY, Associate Professor CAMP, Associate Professor MURPHY, Mr. CROUCH, Mr. MORONEY.

Senior Infantry

7a-8a. Practical.—Duties of officers and non-commissioned officers, including advanced work in subjects 5a-6a and 5b-6b, and solution of problems in musketry and minor tactics. *Three hours a week. I, II; (½).*

Professor DAILEY, Associate Professor CAMP, Associate Professor MURPHY, Assistant Professor EHLERT, Assistant Professor JOHNSTON, Mr. GOLDEN, Mr. CROUCH, Mr. MORONEY

7b-8b. Theoretical.—Company administration; military history and policy of the United States; study of the world war; minor tactics. *Two hours a week. I, II; (1).*

Associate Professor DAILEY, Associate Professor CAMP, Associate Professor MURPHY, Mr. CROUCH, Mr. MORONEY

Senior Infantry

(For students who have had previous ROTC training. See MILITARY SCIENCE)

7c-8c. Practical.—Continuation of subjects given in 5c-6c, especially the duties of non-commissioned officers. *Two hours a week. I, II; (½).*

Professor DAILEY, Associate Professor CAMP, Associate Professor MURPHY, Assistant Professor BAKER, Mr. CROUCH, Mr. MORONEY

7d-8d. Theoretical.—Minor tactics; military history of the United States; administration. *Three hours a week. I, II; (1).*

Professor DAILEY, Associate Professor CAMP, Associate Professor MURPHY, Mr. CROUCH, Mr. MORONEY

Freshmen Field Artillery

11a-12a. Practical.—Field Artillery drill regulations, fundamental military sciences pistol practise; field artillery material. Equitation and drivers instruction. *Two hour; a week. I, II; (½).*

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Assistant Professor BENNETT.

11b-12b. Theoretical.—Field Artillery drill regulations, fundamental military science, field artillery material, elementary gunnery, hippology, (guard duty). *One hour a week. I, II; (½).*

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Assistant Professor BENNETT

Sophomore Field Artillery

13a-14a. Practical. Field artillery drill regulations, topography and reconnaissance, use of fire control instruments; field artillery material; tractor driving; equitation; and mounted drill. *Two hours a week. I, II; (½).*

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Assistant Professor BENNETT

13b-14b. Theoretical.—Gunnery, topography, and reconnaissance; ordinance; artillery material; tractors; field artillery drill and service regulations; hippology. *One hour a week. I, II; (½).*

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Assistant Professor BENNETT

Junior Field Artillery

15a-16a. Practical.—Field artillery drill regulations; field artillery tactics; field artillery gunnery and firing; equitation; care and training of the horse; mounted drill; conduct and observation of fire. Duties of officers and non-commissioned officers. *Two hours a week. I, II; (½).*

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Assistant Professor BENNETT

15b-16b. Theoretical.—Gunnery and conduct of fire; reconnaissance; liaison and communication; hippology; field artillery drill and service regulations. *Three hours a week. I, II; (1).*

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Assistant Professor BENNETT

Senior Field Artillery

17a-18a. Practical.—Field Artillery drill regulations; conduct and observation of fire, smoke bombs; reconnaissance and tactics; equitation and mounted drill. Duties of officers and non-commissioned officers. *Two hours a week. I, II; (½).*

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Assistant Professor BENNETT

17b-18b. Theoretical.—Reconnaissance; field engineering and fortifications; military law, military history of the United States rules of Land Warfare, army administration. *Three hours a week. I, II; (1).*

Associate Professor BURR, Associate Professor CONNOR, Assistant Professor ALEXANDER, Assistant Professor BENNETT

Freshmen Cavalry

21a-22a. Practical.—School of the trooper, mounted and dismounted; care of horses and horse equipment; individual instruction in use of rifle, pistol, saber; guard duty; physical training; target practise, rifle. *Two hours a week. I, II; (½).*

Assistant Professor GROW, Assistant Professor ATWELL, Assistant Professor WILLIAMS, Assistant Professor STEWART.

21b-22b. Theoretical.—General history and development of military forces, military policy of the United States; discipline and courtesy; rifle marksmanship; hygiene, first aid, sanitation; morale; cavalry drill and equitation. *One hour a week. I, II; (½).*

Assistant Professor WILLIAMS, Assistant Professor STEWART

Sophomore Cavalry

23a-24a. Practical.—Mounted drill; equitation; care of horses and horse equipment; cavalry combat principles; saber exercises; guard duty; physical training; signalling; target practise, pistol, machine gun and automatic rifle; map reading and sketching. *Two hours a week. I, II; (½).*

Assistant Professor GROW, Assistant Professor ATWELL, Assistant Professor WILLIAMS, Assistant Professor STEWART

23b-24b. Theoretical.—Organization and administration; discipline and courtesy; automatic arms marksmanship; hygiene; first aid, sanitation; morale; liaison; topography; stable management; pistol marksmanship. *One hour a week. I, II; (½).*

Assistant Professor WILLIAMS, Assistant Professor STEWART

Junior Cavalry

25a-26a. Practical.—Mounted drill and combat principles and minor tactics; selection and care of horses; shoeing; diseases; rifle, pistol and automatic arms practise; duties of officers and non-commissioned officers; polo. *Three hours a week. I, II; (½).*

Assistant Professor GROW, Assistant Professor ATWELL, Assistant Professor WILLIAMS

25b-26b. Theoretical.—Cavalry drill regulations; combat principles and minor tactics; messing of troops; musketry; field engineering; military and common law. *Two hours a week. I, II; (1).*

Assistant Professor GROW, Assistant Professor ATWELL

Senior Cavalry

27a-28a. Practical.—Minor tactics; polo; rifle, pistol and automatic arm practise; packing; duties of officers and non-commissioned officers. *Three hours a week. I, II; (½).*

Assistant Professor GROW, Assistant Professor WILLIAMS, Assistant Professor ATWELL

27b-28b. Theoretical.—Minor tactics, security, information and combat; troop administration; military history; courts-martial. *Two hours a week. I, II; (1).*

Assistant Professor GROW, Assistant Professor ATWELL

Freshmen Engineers

31a-32a. Practical.—Organization; military courtesy and discipline; infantry drill; care and handling of arms and equipment; guard duty; gallery practise; range practise; knots and lashings; trenches and bridges. *Two hours a week. I, II; (½).*

Assistant Professor LYON

31b-32b. Theoretical.—Infantry drill regulations; theory of target practise; morale; duties of engineer troops; topography; bridge construction; fortification. *One hour a week. I, II; (½).*

Assistant Professor LYON

Sophomore Engineers

33a-34a. Practical.—Review of subjects given in 31a-32a; field fortification; automatic weapons; gallery practise; sketching; demolitions. *Two hours a week. I, II; (½).*

Associate Professor ATKINS, Assistant Professor LYON

33b-34b. Theoretical.—Infantry drill regulations; military hygiene; sanitation; first aid; automatic weapons; grenades; musketry; map reading; and military sketching; demolitions. *One hour a week. I, II; (½).*

Associate Professor ATKINS, Assistant Professor LYON

Junior Engineers

35a-36a. Practical.—Duties of engineer officers and non-commissioned officers; engineering problems on bridges; railroads and roads; military law; machine guns and howitzers; field engineering. *Two hours a week. I, II; (½).*

Associate Professor ATKINS, Assistant Professor LYON

35b-36b. Theoretical.—Field engineering; military law; machine gun and howitzers; minor tactics. *Three hours a week. (1).* Or, one hour a week of military science (½); and two hours a week of a technical elective in the college of Engineering (for which credit will be given in that college). *I, II.*

Associate Professor ATKINS, Assistant Professor LYON

Senior Engineers

37a-38a. Practical.—Duties of engineer officers; instruction of students in basic course; general construction; minor tactics; mechanical equipment and ordnance. *Two hours a week. I, II; (½).*

Associate Professor ATKINS, Assistant Professor LYON

37b-38b. Theoretical.—Military administration and supply; military policy; military history; general construction; minor tactics; mechanical equipment and ordnance. *Three hours a week. (1).* Or, one hour a week of military science (½); and two hours a week of technical elective in the College of Engineering (for which credit will be given in that college). *I, II.*

Associate Professor ATKINS, Assistant Professor LYON

Freshman Signal Corps

41a-42a. Practical.—Organization, military courtesy and discipline, drill, care and handling of equipment, small-arms firing, personal hygiene, first aid, sanitation, interior guard duty, minor tactics. *Two hours a week. I, II; (½).*

Assistant Professor RUMBOUGH, Mr. LYNCH

41b-42b. Theoretical.—Principles of organization and administration of a company, military hygiene, first aid and sanitation, military courtesies and customs of the service, interior guard duty, ceremonies, the infantry pack, the 45-caliber automatic pistol, international Morse code, operation of telephones and switchboards. *One hour a week. I, II; (½).*

Assistant Professor RUMBOUGH, Mr. LYNCH

Sophomore Signal Corps

43a-44a. Practical.—Problems in map reading, sketching, practise in general service code, installation of telephones, care and repair of telephones, operation and care of moncord switchboard, simple rules for location of line trouble, setting up and taking down antennae, opening and closing stations, operation of station including use of wavemeter, operation of station in a net. *Two hours a week. I, II; (½).*

Assistant Professor RUMBOUGH, Mr. LYNCH

43b-44b. Theoretical.—Function of the various arms, composition of a division, signal troops as part of field forces, map reading, simple telegraph systems, telegraph codes in use; theory of the telephone, study of different types issued by signal corps, principles of telephone switching and of the monocord switchboard, classification of various radio sets used by the signal corps, organization of radio section, control of radio sets, net operation. *One hour a week. I, II; (½).* Assistant Professor RUMBROUGH, Mr. LYNCH

Junior Signal Corps

45a-46a. Practical.—Map maneuvers, war game, problems on map and sand table, tactical walks, participation with unit in tactical exercises, demonstrations, military field engineering problems in signal tactics, practise in writing signal orders, practise in making and reading circuit diagrams, writing of work orders, company paper work, company administration, operation of a message center, construction and maintenance of field lines, radio engineering. *Two hours a week. I, II; (½).*

Assistant Professor RUMBROUGH, Mr. LYNCH

45b-46b. Theoretical.—Offensive and defensive conduct of small units, elements of field engineering to include the principles and methods of military field engineering in all types of trenches and obstacles, organization of various arms and their functions, combined use of all arms, communication as an essential part of modern tactics, communication requirements, signal corps organization and tactics designed to fulfill these requirements, necessity for message center system, scheme of organization, theory of radio telegraph. *Three hours a week. I, II; (1).*

Assistant Professor RUMBROUGH, Mr. LYNCH

Senior Signal Corps

47a-48a. Practical.—Moot courts, operation of a message center, work in encoding and decoding, enciphering and deciphering, installation and maintenance of field centrals, practical operation using telephone code, advanced telephone, telegraph and radio engineering. *Two hours a week. I, II; (½).* Assistant Professor RUMBROUGH, Mr. LYNCH

47b-48b. Theoretical.—Military history and policy of the United States, the articles of war, courts-martial, evidence, rules of land warfare, lectures on care of public animals, staff duties in division and smaller units, signal corps relations; theory of codes and ciphers, their secrecy under field conditions, simple methods of solution; advanced telephone, telegraph, and radio engineering, thermionic valves. *Three hours a week. I, II; (1).*

Assistant Professor RUMBROUGH, Mr. LYNCH

Freshman Aviation (Heavier and Lighter than Air)

51a-52a. Practical.—Organization, military courtesy, discipline, drill, hygiene, first aid, sanitation, care and handling of arms and equipment, small-arms firing, interior guard duty, code and buzzer and visual signaling, construction and operation of wire-telephones, military sketching and map reading. *Two hours a week. I, II; (½).*

Assistant Professor WHITESIDES, Mr. TALBOTT

51b-52b. Theoretical.—Principles of organization and administration of a squadron, military hygiene, first aid and sanitation, fundamental principles of military customs, courtesies and discipline, interior guard duty, school of the soldier, squad, platoon and squadron, ceremonies; description, nomenclature, care and use of the rifle and the .45-calibre automatic pistol; elementary electricity and magnetism, history and development of aeronautics, characteristics, limitations and employment of the air service, air service organization in general. *One hour a week. I, II; (½).*

Assistant Professor WHITESIDES, Mr. TALBOTT

Sophomore Aviation (Heavier and Lighter than Air)

53a-54a. Practical.—Problems in map reading, sketching miniature range, infantry drill, fundamentals of leadership, duties of noncommissioned officers, taking down and assembling automatic rifle, range practise and matches with the .45-calibre automatic pistol, aerial machine guns, drill and stripping ring sights, gears, exercises and problems in patrolling tactical walks, use of ground, messages and reports, miniature range, artillery adjustments. *Two hours a week. I, II; (½).* Assistant Professor WHITESIDES

53b-54b. Theoretical.—Map reading, military sketching and map coordinates, fundamentals of leadership, infantry drill regulations, the .45-calibre pistol, preliminary instruc-

tions in marksmanship, automatic rifle, aerial machine gun, principles governing patrolling, messages and reports, operation of standard ground and airplane radio sets, artillery and infantry liaison; moving pictures of air service subjects will be shown during additional hours. *One hour a week. I, II; (1/2).* Assistant Professor WHITESIDES

Junior Aviation (Heavier than Air)

55a-56a. Practical.—Military field engineering problems, minor tactics, map maneuvers, war game, tactical walks, radio mechanics section, shop, bench and lathe work, installation and repair of standard ground and airplane radio sets, buzzer practise, miniature range, artillery adjustment, interpretation of aerial photographs, map making from aerial photographs, aeronautical engines, shop work, trouble shooting. *Two hours a week. I, II; (1/2).* Assistant Professor WHITESIDES

55b-56b. Theoretical.—Elements of field engineering, trenches, concealment and camouflage, offensive and defensive conduct of small units, organization of the ground, ammunition supply, liaison agents of the command, liaison by airplanes and balloons, radio mechanics section, cameras, types, with purpose and characteristics of each, study of details from aerial photographs, aeronautical engines, principles, carburation, ignition, lubrication, cooling, trouble shooting, types of engines, aerial gunnery, theory and general information, aerial bombardment. *Three hours a week. I, II; (1).* Assistant Professor WHITESIDES

Senior Aviation (Heavier than Air)

57a-58a. Practical.—Squadron paper work, squadron administration, moot courts, direction finding, nomenclature of standard radio equipment, airplane rigging, nomenclature and construction of airplanes, assembling and alignment, repair, and inspection, care of machines, patching, mending and doping, splicing and soldering, mending longerons, instruments, types of service planes. *Two hours a week. I, II; (1/2).* Assistant Professor WHITESIDES

57b-58b. Theoretical.—Important United States campaigns and battles, history of the Military Policy of the United States, history and development of military aeronautics, the article of war, courts-martial, evidence, rules of land warfare, aerial navigation, meteorology, air service organization, air service operations, aerial tactics, theory of flight, aerodynamics, stability, control, airplanes, nomenclature, rigging, materials and stresses, woods fabrics and dopes, wire and fittings, propellers. *Three hours a week. I, II; (1).* Assistant Professor WHITESIDES

MINING ENGINEERING

Professor STOEK; Assistant Professors ARMS, DRUCKER, HOSKIN; Mr. SMITH, Mr. STEWART.

1. Earth and Rock Excavation.—Explosives; blasting; boring; tunneling; shaft-sinking; coal-cutting; timbering and prospecting. *I; (3).* (For mining students only.) Assistant Professor DRUCKER

Prerequisite: Chemistry 1a or 1b.

2. Mining Principles.—Terminology; explosives and blasting; well and rock drilling; coal-cutting; shaft-sinking and tunneling; methods of working and timbering flat and inclined deposits. For students in courses other than mining. Of special interest to those taking advanced military work. *II; (3).* Assistant Professor DRUCKER, Mr. SMITH

Prerequisite: Chemistry 1a or 1b; junior standing.

4. Mining Methods.—Mining and timbering of bedded, vein, and placer deposits. *II; (3).* Professor STOEK

Prerequisite: Mining 1.

5. Mine Ventilation.—Mine gases; safety lamps; mine ventilation; lighting and signaling; explosions and mine fires; rescue work and first aid. Laboratory work. *I; (3).* Assistant Professor ARMS

Prerequisite: Chemistry 1a or 1b, 4; Physics 1a-1b, 3a-3b; Mining 4.

6. Mechanical Engineering of Mines.—Hoisting; ropes, cages, hoisting engines, and other appliances. Haulage: the different systems used underground and on the surface; the methods of loading and unloading; mine stables; transportation of workmen. Drainage of mines; mine dams, mine pumps. *I; (3).* Assistant Professor DRUCKER

Prerequisite: Mechanical Engineering 1, or equivalent.

8. Mine and Metallurgical Law, Administration, and Accounts.—Laws governing location, ownership, and policing of mines. Trade agreements, relations between employers and employees. Sociology. Accounts and cost sheets. *I*; (3). Professor STOEK

Prerequisite: Mining 4 and 21.

9. Preparation of Coal and Ores.—History, principles, processes, machines; applications to dry coal preparation and coal washing. Breaking, sizing, and concentrating ores. Laboratory practise in coal washing. *I*; (3). Assistant Professor ARMS

Prerequisite: Chemistry 5; Physics 3a-3b.

10. Electrical Engineering of Mines.—Elementary principles of electrical machinery; direct-current motors and generators, storage batteries; power plant equipment; alternating current motors and generators; mining applications of electrical machinery. *I*; (3). Assistant Professor ARMS

Prerequisite: Physics 1a-1b.

13. Utilization of Fuels.—The manufacture, handling, and utilization of wood, charcoal, peat, lignite, bituminous coal, anthracite, coke, petroleum, natural and artificial gas, and refractories in mining and metallurgical practise. *II*; (2). Professor STOEK, Assistant Professor DRUCKER

Prerequisite: Junior standing.

14. Non-Ferrous Ore Treatment.—Gold, silver, copper, lead, zinc. *II*; (3). Assistant Professor DRUCKER

Prerequisite: Senior standing.

15a. Principles of Mine Ventilation.—Mine ventilation, signalling, and lighting. *I*; (2). Assistant Professor ARMS

Prerequisite: Physics 3a-3b; Mining 2 or 4.

17. Problems.—Problems, library research, and reports on metallurgical subjects. *I*; (1). Assistant Professor DRUCKER

Prerequisite: Senior standing in mining engineering.

19. Ore and Coal Preparation.—Principles and machines used in breaking, pulverizing, sizing, classifying, and concentrating ores and mineral products. Wet and dry concentration. Practical limits of ore dressing. Principles applied in coal preparation. Laboratory practise in ore concentration. *I*; (3). Assistant Professor ARMS

Prerequisite: Chemistry 5; Geology 20 or equivalent.

21. Mine Examination and Valuation.—The methods of examining, valuing, and reporting on mines, mining and metallurgical plants. Estimation and prospecting of mineral deposits. *I*; (2). Professor STOEK

Prerequisite: Mining 1 or 2 or 4, or registration in Mining 2; Geology 20 and 43 or equivalent.

41. Principles of Coal Plant Design.—Design of mine structures of wood, steel, and masonry, with drafting practise in design of coal tipples and general surface plant. *I*; (3). Assistant Professor DRUCKER

Prerequisite: Civil Engineering 58, or equivalent.

42. Coal Plant Design.—General layout; design; estimates for construction and specifications for coal mining plant. *II*; (2). Assistant Professor DRUCKER

Prerequisite: Mining 41.

43. Principles of Ore Plant Design.—Design of mine structures of wood, steel, and masonry, with drafting practise in design of rock houses, ore bins, and crushing plants. *II*; (3). Assistant Professor DRUCKER

Prerequisite: Civil Engineering 58, or equivalent.

44. Ore Plant Design.—General layout; design; estimates for construction and specifications for ore mining plants. *II*; (2). Assistant Professor DRUCKER

Prerequisite: Mining 43.

45. Principles of Mill and Smelter Design.—Flow sheets and structures of wood, steel, and masonry; drafting practise on individual designs. *I*; (3). Assistant Professor DRUCKER

Prerequisite: Civil Engineering 58, or equivalent.

46. Mill and Smelter Design.—Flow sheets; design; estimates for construction, and specifications for concentrating plant or smelter. *II*; (2). Assistant Professor DRUCKER

Prerequisite: Mining 45.

61. Elementary Mine Surveying.—The theory, use and adjustment of the compass, transit and level; the computation of areas and volumes; bore hole surveys; map construction; corners and boundaries; elements of mine surveying. Problems with tape, compass, transit and level. *I*; (3). Assistant Professor ARMS, Mr. SMITH

Prerequisite: General Engineering Drawing, 1 or 4 or 2. Mathematics 4.

62. Mine Surveying.—The application of general surveying methods to mine work; description and use of instruments employed underground and in connecting surface and underground surveys; the platting and use of mine maps; mineral land surveying; the theory and use of solar attachments; determination of the meridian. A surveying trip is made to neighboring mines, of which the estimated cost is \$10.00. *II*; (3).

Prerequisite: Civil Engineering 35 or Mining 61.

Assistant Professor ARMS, Mr. SMITH

64. Coal Mining Laboratory.—Different coals; their availability for crushing, dry preparation, washing, and briquetting. Complete commercial tests, using small commercial machines wherever possible; design of flow sheets; analysis of products. Estimation of probable costs. *II*; (3).

Assistant Professor ARMS

Prerequisite: Mining 9 or 19.

66. Ore Concentration Laboratory.—Complete commercial wet and dry concentration tests on raw ores of lead, zinc, iron, etc. Amalgamation and cyanidation of a gold ore. Sampling, preparation, and analysis or assay of the products recovered. *II*; (3).

Assistant Professor ARMS

Prerequisite: Mining 9 or 19.

68. Mine Topography.—Stadia; application of topographic and railroad surveying to mining conditions. *II*; (1). Not given in 1921-22.

Assistant Professor ARMS

Prerequisite: Civil Engineering 35 or Mining 61.]

90a. Mining and Metallurgical Reports.—Review of mining and metallurgical literature; reports; technical writing. *II*; (2).

Professor STOEK

97-98. Thesis.—In accordance with regulations of College of Engineering. *I, II*; (3).

99. Mining Inspection Trip.—No credit.

Prerequisite: Senior standing.

Courses for Graduates

The prerequisite for graduate work in mining engineering is the equivalent of the undergraduate courses required for the degree of Bachelor of Science in mining in the branches of the subject in which registration is desired.

In addition to the regular University laboratories, the laboratory connected with the investigation of mining conditions in Illinois now being carried on jointly by the Engineering Experiment Station through the Department of Mining Engineering, the State Geological Survey, and the United States Bureau of Mines, is available for graduate instruction.

NOTE.—Of courses 103, 105, only one will be given, according to election of students.

100. Seminar.—*Once a week; I and II; (1 unit).*

Professor STOEK

101. Advanced Mining Methods.—Coal and ore fields of the United States; methods and economics of mining; utilization, marketing, storage, and transportation of coal and ores. *Twice a week; I and II; (1 unit).*

Professor STOEK

102. Advanced Preparation of Coal and Ores.—Detailed investigation and discussion of settling ratios; laws of crushing, sorting vs. sizing; specific mill and washing problems. *Twice a week; I and II; (1 unit).*

Assistant Professor ARMS

103. History of Miners' Organizations.—*Twice a week; I and II; (1 unit).* (Not given 1921-22).

Professor STOEK

104. Mining Reports.—Law of the apex, the classification of coal and ore lands; conservation of mineral resources; mine examination and report. *Twice a week; I and II; (1 unit).*

Professor STOEK

105. Welfare Work and Education Among Mine Employees.—The organization and operation of mining institutes, night classes, welfare, mine rescue, and first-aid work. *Twice a week; I and II; (1 unit).*

Professor STOEK

106. Advanced Coal, Ore, and Metallurgical Plant Design.—Flow sheets; general layout, design, estimates for constructions, and detailed specifications. *Twice a week; I and II; (1 unit).*

Assistant Professor DRUCKER

107. Advanced Non-Ferrous Metallurgical Projects.—Detailed investigations upon the treatment of zinc, lead, copper, gold, silver, and similar ores. Problems and reports. *Twice a week; I and II; (1 unit).*

Assistant Professor DRUCKER

MUNICIPAL AND SANITARY ENGINEERING

Professors TALBOT, ENGER; Assistant Professor BABBITT.

2. Water Supply Engineering.—The principal features of water supply engineering; source of supply; hydraulics of wells; stream flow; impounding and storage reservoirs; conduits and pipe lines; pumps and pumping machinery; stand-pipes and elevated tanks;

the distribution system; tests and standards of purity of potable water. Designing weekly. *I*; (4).

Prerequisite: Theoretical and Applied Mechanics 29, 10; Chemistry 1; Mechanical Engineering 1 or 2.

3. Sewerage.—Sewerage systems; sanitary necessity of sewerage; separate and combined water carriage systems; surveys and general plans; hydraulics; house sewage and its removal; rainfall and storm-water flow; size and capacity of sewers; sewer appurtenances sewage disposal; estimates and specifications. Designing weekly. *II*; (3).

Prerequisite: Theoretical and Applied Mechanics 29, 10; Chemistry 1; Municipal and Sanitary Engineering 2.

6a-6b. Water Purification, Sewage Disposal, and General Sanitation.—Water purification; design of water purification works; standards and tests of purity of potable water. Sewage disposal; design of sewage treatment works; garbage collection and disposal; sanitary restrictions and regulations and general sanitation. The sanitation of army camps, hospitals, and industrial communities. Lectures; seminar work; drafting. *I*; (3); *II*; (2).

Prerequisite: Municipal and Sanitary Engineering 2, 3; Chemistry 1, 3, 10b.

9. Hydraulic Design and Construction.—Reservoirs, dams, conduits, and waterways; hydraulic engineering problems. *II*; (2).

98. Thesis.—Investigation or design of an engineering problem. *II*; (2).

99. Inspection Trip.—*I*; (no credit).
Prerequisite: Senior standing.

Courses for Graduates

Entrance on graduate work in municipal and sanitary engineering presupposes a full undergraduate course in that subject.

102. Water Supply Engineering.—Water supply; general waterworks construction; pumps and pumping; reservoirs and elevated tanks; waterworks operation; valuation of plants. *Once to three times a week; I or II; (1 unit).*

103. Sewerage.—Design and construction of sewerage systems; hydraulics of sewers; run-off. *Once or twice a week; II; (1 unit).*

106. Water Purification, Sewage Disposal, and General Sanitation.—Water purification plants and sewage disposal works; comparison of results and cost of construction and operation; experimental work on water and sewage treatment; garbage; general sanitation. *Once a week; II; (½ unit or more).*

MUSIC

Professors STIVEN, HARDING; Assistant Professor SCHWARTZ; Mr. van DEN BERG, Mr. JOHNSON, Mr. BERESFORD, Miss TREAT, Miss PHILLIPS, Miss SEELYE, Miss RUTLIN, Miss GOOCH,¹ Miss VINCENT, Miss CASS, Mr. LEIDE, Mr. STEAD, Mrs. CLARK.

1-2. History of Music.—*I, II; (2).* Assistant Professor SCHWARTZ

Prerequisite: One year of university work.

3-4. Theory of Music (Harmony).—*I, II; (2).* Assistant Professor SCHWARTZ

5-6. Theory of Music (Harmony).—Continuation of 3-4. *I, II; (3).* Assistant Professor SCHWARTZ

Prerequisite: Music 3-4.

7-8. Counterpoint, Canon, and Fugue.—*I, II; (3).* Assistant Professor SCHWARTZ

Prerequisite: Music 5-6.

9-10. General Theory and Analysis.—*I, II; (2).* Professor STIVEN

Prerequisite: Music 7-8.

11-12. Acoustics.—*I, II; (1).* Professor STIVEN

Prerequisite: Music 3-8 inclusive.

13-14. Musical Appreciation.—*I, II; (1).* Miss PHILLIPS

15-16. Instrumentation and Orchestration.—*I, II; (1).* Professor STIVEN

Prerequisite: Music 3 to 8 inclusive.

21a-21b. Ear Training, First Year.—*I, II; (no credit).* Mrs. CLARK

22a-22b. Ear Training, Second Year.—*I, II; (1).* Mrs. CLARK

23a-23b. Sight Singing, First Year.—*I, II; (no credit).* Mrs. CLARK

24a-24b. Sight Singing, Second Year.—*I, II; (1).* Mrs. CLARK

25a-25b. Methods of Teaching.—(Primarily for students preparing to teach music in the public schools.) *I, II; (4).* Miss PHILLIPS

¹Resigned February 1, 1922.

27a-27b. Ensemble.—*I, II; (1).*

28a-28b. Sight Singing, Elementary.—One hour a week for beginners.—*I, II; (no credit).*
Miss PHILLIPS

Piano

Mr. VAN DEN BERG, Miss SEELYE, Miss GOOCH, Miss VINCENT, Mr. STEAD.

41c-41d. Introductory Course in Piano, Second Year.—*I, II; (no collegiate credit).*

41e-41f. Introductory Course in Piano, Third Year.—*I, II; (no collegiate credit).*

For all courses, Music 42a to 47b, inclusive,—

Prerequisite: Music 41c-f or equivalent.

42a-42b. Piano, First Year.—*I, II; (4).*

43a-43b. Piano, Second Year.—*I, II; (4).*

44a-44b. Piano, Third Year.—*I, II; (4).*

45a-45b. Piano, Fourth Year.—*I, II; (4).*

46a-46b, 46c-46d, 46e-46f, 46g-46h.—Piano taken as a minor by students majoring in voice, violin, or organ. *I, II; (2).*

47a-47b, 47c-47d, 47e-47f, 47g-47h. Piano.—For students from other departments of the University. *I, II; (2).*

Voice

Mr. JOHNSON, Mr. BERESFORD, Miss RUTLIN, Miss CASS, Mr. STEAD

51c-51d. Introductory Course in Voice, Second Year.—*I, II; (no collegiate credit).*

51e-51f. Introductory Course in Voice, Third Year.—*I, II; (no collegiate credit).*

For all courses, Music 52a to 57h, inclusive,—

Prerequisite: Music 51c-f or equivalent.

52a-52b. Voice, First Year.—*I, II; (4).*

53a-53b. Voice, Second Year.—*I, II; (4).*

54a-54b. Voice, Third Year.—*I, II; (4).*

55a-55b. Voice, Fourth Year.—*I, II; (4).*

56a-56b, 56c-56d, 56e-56f, 56g-56h. Voice.—Voice taken as a minor by students majoring in piano, violin, or organ. *I, II; (2).*

57a-57b, 57c-57d, 57e-57f, 57g-57h. Voice.—For students from other departments of the University. *I, II; (2).*

Violin

Mr. LEIDE

61c-61d. Introductory Course in Violin, Second Year.—*I, II; (no collegiate credit).*

61e-61f. Introductory Course in Violin, Third Year.—*I, II; (no collegiate credit).*

For all courses, Music 62a to 67h, inclusive.—

Prerequisite: Music 61c-f or equivalent.

62a-62b. Violin, First Year.—*I, II; (4).*

63a-63b. Violin, Second Year.—*I, II; (4).*

64a-64b. Violin, Third Year.—*I, II; (4).*

65a-65b. Violin, Fourth Year.—*I, II; (4).*

66a-66b, 66c-66d, 66e-66f, 66g-66h. Violin.—Violin taken as a minor by students majoring in piano, voice, or organ. *I, II; (2).*

67a-67b, 67c-67d, 67e-67f, 67g-67h. Violin.—For students of other departments of the University. *I, II; (2).*

Violoncello

Assistant Professor SCHWARTZ

71c-71d. Introductory Course in Violoncello, Second Year.—*I, II; (no collegiate credit).*

71e-71f. Introductory Course in Violoncello, Third Year.—*I, II; (no collegiate credit).*

For all courses, Music 72a to 77h, inclusive,—

Prerequisite: Music 71c-f or equivalent.

72a-72b.—Violoncello, First Year.—*I, II; (4).*

73a-73b. Violoncello, Second Year.—*I, II; (4).*

74a-74b. Violoncello, Third Year.—*I, II; (4).*

75a-75b. Violoncello, Fourth Year.—*I, II; (4).*

76a-76b, 76c-76d, 76e-76f, 76g-76h. Violoncello.—Violoncello taken as a minor by students majoring in piano, voice, or violin. *I, II; (2).*

77a-77b, 77c-77d, 77e-77f, 77g-77h. Violoncello.—For students from other departments of the University.

Organ

Professor STIVEN, Miss TREAT

Students desiring to take *organ* will be obliged to pass without conditions the entrance examination in piano. Under no circumstances will they be accepted if their piano work falls below the standard represented by this examination.

81-82. Organ, First Year.—*I, II; (4).*

84-85. Organ, Second Year.—*I, II; (4).*

86-87. Organ, Third Year.—*I, II; (4).*

88-89. Organ, Fourth Year.—*I, II; (4).*

83a-83b, 83c-83d, 83e-83f, 83g-83h. Organ.—Organ taken as a minor by students majoring in piano, voice, or violin or enrolled in another School or College of the University. *I, II; (2).*

Band and Recital Work

90a-90b. Band Instruments.—Band instruments taken as a minor by students majoring in piano, voice, or violin. *I, II; (2).* Professor HARDING

92c-92d. Band Instruments.—*I, II; (no credit).* Professor HARDING

94a-94b. Recital Course in Practical Music.—(For juniors and seniors in Music 44a-44b, 45a-45b, 54a-54b, 55a-55b, 64a-64b, 65a-65b, 86-87, 88-89.) *I, II; (1).*

96a-96b. Band Instrumentation.—*II; (no credit).* Professor HARDING

97a-97b. Band Arranging.—*II; (no credit).* Professor HARDING

98a-98b. Band Conducting.—*II; (no credit).* Professor HARDING

Summer Session Courses

Director ERB, Miss PHILLIPS, Mr. JOHNSON, Mr. VAN DEN BERG

S2. Musical History.—Eighteenth and Nineteenth Centuries. Collateral reference work and note books. (1). Director ERB

Prerequisite: The consent of the instructor

Equivalent: Music 2 (first half).

S3a. Harmony.—Triads and seventh chords, construction and connection; harmonization of figured bass and given melody in two clefs; original composition in simplest forms. (1). Director ERB

Prerequisite: Music S3.

Equivalent: Music 3 (second half).

S21a. Ear Training, Elementary Course.—Formation and recognition of intervals separately and in combinational rhythmic drill; melody making and writing. *No university credit.*

Miss PHILLIPS

Prerequisite: Entrance credit.

Equivalent: Music 21a (first half; second half to be given next summer).

S23a. Sight Singing.—Elementary course, music notation; scale structure; solfeggio. *No university credit.* Miss PHILLIPS

Prerequisite: Entrance credit.

Equivalent: Music 23a (first half.)

S25a. Public School Music Methods.—Problems of supervision in the grades; study of material and technic of teaching. (4). Miss PHILLIPS

Prerequisite: Two years of sight reading and the consent of the instructor.

Equivalent: Music 25a.

S41c-41f. Introductory Course in Piano.—*No university credit.* Mr. VAN DEN BERG

Prerequisite: The consent of the instructor.

Equivalent: Music 41c-f (in part).

- S42-46. Piano, Collegiate Grade.—(1 or 2). Mr. VAN DEN BERG
Prerequisite: Three years of piano study.
Equivalent: Music 42-46 (in part).
- S47. Piano, Collegiate Grade.—For students in other schools and colleges of the University. (1). Mr. VAN DEN BERG
Prerequisite: Three years of piano study.
Equivalent: Music 47 (in part).
- S51c-51f. Introductory Course in Voice.—*No university credit.* Mr. JOHNSON
Prerequisite: The consent of the instructor.
Equivalent: Music 51c-51f (in part).
- S52-56. Voice, Collegiate Grade.—(1 or 2). Mr. JOHNSON
Prerequisite: Three years of vocal study.
Equivalent: Music 52-56 (in part).
- S57. Voice, Collegiate Grade.—For students in other schools and colleges of the University. (1). Mr. JOHNSON
Prerequisite: Three years of vocal study.
Equivalent: Music 57 (in part).
- S81. Organ.—Arrange hours; 107 S.M.H. (1). Director ERB
Prerequisite: Three years of piano study or the equivalent.
Equivalent: Music 81 (in part).
- S83. Organ.—For students in other schools and colleges of the University. (1). Director ERB
Prerequisite: Three years of piano study or the equivalent.
Equivalent: Music 83 (in part).
- Students desiring to take organ will be obliged to pass without conditions the entrance examination for collegiate standing in piano.
 Campus sings Wednesday evenings at 6:45, Auditorium steps.

ORIENTAL LANGUAGES AND LITERATURE

Professor OLMSTEAD.

Courses for Advanced Undergraduates and Graduates

- [1a-1b.¹ Elementary Hebrew.—Grammar and reading. The Book of Genesis. I, II; (3). Not given in 1921-22.
Prerequisite: Junior standing.]
- [10. Elementary Assyrian.—Grammar, sign lists, and reading. I, II; (3). Not given in 1921-22.
Prerequisite: Oriental Languages 1a and 1b.]

PALEONTOLOGY

(SEE GEOLOGY.)

PHILOLOGY

(See CLASSICS, ENGLISH LANGUAGE and LITERATURE, and ROMANCE LANGUAGES AND LITERATURE.)

PHILOSOPHY

(See also PSYCHOLOGY AND EDUCATION.)

Professor DANIELS; Associate Professor McCLURE; Assistant Professor LAMPRECHT; Mr. BRETT.

Major: 20 hours from any courses offered by the department, including Philosophy 1, 2, 3, and 4, and one other advanced course. Six hours in psychology may be counted toward a major in philosophy.

¹It is expected that courses 1a-1b and 10 will be offered in alternate years.

Minors: 20 hours in (a) psychology (at least six additional hours, if psychology is counted toward a major), and one other subject in the following groups; or (b) any two subjects in the same group in the following groups; (A) economics, history, political science, education, sociology; (B) English, French, German, Greek, Latin; (C) astronomy, bacteriology, botany, chemistry, geology, mathematics, physics, zoology. No course in any subject of the above groups may be counted for the minor requirement if it is excluded from the major requirement of its respective department.

Courses for Undergraduates

1. **Logic.**—The principles of reasoning; detection of fallacies; evidence. *I* or *II*; (3).
Associate Professor McCLURE, Assistant Professor LAMPRECHT, Mr. BRETT
Prerequisite: One year of university work.
2. **Introduction to Philosophy.**—*II*; (3).
Assistant Professor LAMPRECHT, Mr. BRETT
Prerequisite: Two years of university work.

Courses for Advanced Undergraduates and Graduates

3. **History of Ancient and Medieval Philosophy.**—*I*; (3).
Associate Professor McCLURE
Prerequisite: Three hours in philosophy; junior standing.
4. **History of Modern Philosophy.**—From the Renaissance to the present time. *II*;
Associate Professor McCLURE
(3).
Prerequisite: Three hours in philosophy; junior standing.
5. **Political Philosophy.**—A study of the great systems of political philosophy, with special attention to Aristotle, Hobbes, Locke, Burke, Bentham, and J. S. Mill. Special reference to the limits of political obligation and to the relation of nationality to international organization. *II*; (3).
Assistant Professor LAMPRECHT
Prerequisite: Senior or graduate standing; one year of college history, and political science 1 or 3.
7. **Ethics.**—The beginnings and growth of morality; the fundamental questions of ethical theory; social and economic problems of the present. *II*; (3).
Professor DANIELS
Prerequisite: Three hours in philosophy; senior standing.
9. **Political and Social Ethics.**—A study of the standards and principles of human conduct in political and social relations. Rights and duties of the state and the citizen. International morality. *I*; (3).
Professor DANIELS
Prerequisite: Two years of university work.
11. **Philosophy of Religion.**—Among the topics considered are: God; revelation; inspiration; dogma; prayer; faith; immortality; the problem of evil; the relation of morality and religion. *I*; (3).
Professor DANIELS
Prerequisite: Senior or graduate standing; six hours in psychology or philosophy, or in both.
15. **British Philosophy of the Eighteenth Century.**—*I*; (3).
Assistant Professor LAMPRECHT
Prerequisite: Philosophy 2 or 3 or 4.
20. **Honors Course.**—*I, II*; (2).
Associate Professor McCLURE
Prerequisite: Senior standing.

Courses for Graduates

- [103. **Ethics.**—*Twice a week; first semester; (1 unit).* (Not given in 1921-22).
Professor DANIELS]
- 107a. **Plato and Aristotle.**—*Twice a week. I; (1 unit).*
Associate Professor McCLURE
- 107b. **Seventeenth Century Continental Thought.**—*Twice a week; II; (1 unit).*
Professor DANIELS
- 108a. **Contemporary Philosophy.**—*Twice a week; II; (1 unit).*
Associate Professor McCLURE

PHOTOGRAPHY

Mr. ELDRIDGE.

1-2¹. The Principles and Practise of Photography.—Lenses, cameras; plates and films; exposure; development; printing; copying; positives; landscape, architectural, and scientific photography; speed work, color photography. Lectures; demonstrations; each student is required to produce a stated amount of work covering processes treated. (For advanced students who use photography in connection with their special subjects.) *I, II; Once a week; (no credit).*

Mr. ELDRIDGE

Prerequisite: Junior standing and the consent of the instructor.

PHYSICAL EDUCATION FOR MEN

(See also ATHLETIC COACHING and PHYSICAL EDUCATION.)

Director HUFF, Professor ZUPPKE, Assistant Professor GRIFFITH, Mr. GILL, Mr. LUNDGREN, Mr. WINTERS, Mr. BEARG, Mr. SCHUETTNER,² Mr. STALEY,³ Mr. MANLEY, Mr. WAGNER, Mr. PREHN, Mr. BROWN, Mr. BERGEY

1-2. Gymnasium Practise.—Two hours' gymnasium each week. (Required of freshmen.) *I, II; (½), (1).* Mr. SCHUETTNER, Mr. STALEY, Mr. MANLEY, Mr. WAGNER, Mr. BERGEY.

1a. Personal Hygiene.—Lectures by Dean of Men and Health Officer. Required in conjunction with Physical Education 1. *I or II; (½).* (Required second semester for all freshmen and new students who did not take the course the first semester).

Dean CLARK, Dr. BEARD

3. Elementary Gymnastics, Boxing, Wrestling, and Fencing.—Two hours' gymnasium exercise each week. *I; (1).* Mr. SCHUETTNER, Mr. WAGNER, Mr. PREHN

Prerequisite: Physical Education 1 and 2 and consent of the instructor.

4. Advanced Physical Education.—(Continuation of Physical Education 3). Two hours' gymnasium exercise each week. *II; (1).* Mr. STALEY, Mr. WAGNER, Mr. PREHN

Prerequisite: Physical Education 3 and consent of instructor.

PHYSICAL EDUCATION FOR WOMEN

Professor FREER; Miss BROOKS, Miss HUGHITT, Miss GREGG, Miss BROWN, Miss HUMRICHOUER, Miss TURNBULL, Miss PRESSYL, Miss HOLMES.

7a-7b. Practise.—Class work; light gymnastics; gymnastic dancing; games; personal hygiene; corrective gymnastics. (Required of freshmen.) *I, II; (2).*

Miss BROOKS, Miss HUGHITT, Miss BROWN, Miss HUMRICHOUER, Miss PRESSYL, Miss TURNBULL.

Correctives.—Miss GREGG.

8a-8b. Practise.—(Continuation of 7a-7b. Required of sophomores). *I, II; (2).*

Miss BROOKS, Miss HUGHITT, Miss BROWN, Miss HUMRICHOUER, Miss PRESSYL.

Correctives.—Miss GREGG.

Prerequisite: Physical Education 7a-7b.

10a-10b. The Teaching of Physical Education.—(Third year). Theory and practise; practise teaching in the gymnasium and in public schools. Lectures and outside reading. *I, II; (2).*

Miss FREER

Prerequisite: One year of gymnasium and psychology, or education; registration in Physical Education 8.

11a. Massage.—Corrective gymnastics and anthropometry. *I; (1).*

Miss HUGHITT, Miss GREGG

Prerequisite: Sophomore standing.

11b. Emergencies.—Red Cross First Aid certificate given. *II; (1).*

Miss HUGHITT

Prerequisite: Sophomore standing.

¹This course is continuous throughout the year.

²First semester.

³Second semester.

- 12a-12b. Classic and Interpretive Dancing.**—Dances and exercises in technic. *I, II.*
Miss BROOKS
- Prerequisite:* Physical Education 7a-7b.
- 13a-13b. Interpretive and Natural Dancing.** *I, II.* Miss HUGHITT
- Prerequisite:* Physical Education 7a-7b.
- 14a-14b. Swimming.** *I, II.* Miss TURNBULL, Miss HOLMES

Summer Session Courses

- Miss FREER and Miss BUSSELL.
- S1. Hygiene.—($\frac{1}{2}$).
- S2. Gymnastics.—(1).
- S3. Community Recreation.—($\frac{1}{2}$).
- S4. Folk Dancing.—($\frac{1}{2}$).
- S5. Advanced Dancing.—($\frac{1}{2}$).
- S6. Coaching of Games.—($\frac{1}{2}$).
- S7. Swimming.

PHYSICS

Professors CARMAN, KNIPP, WATSON; Associate Professor KUNZ; Assistant Professors SCHULZ, WILLIAMS; Mr. NELSON, Mr. FRITTS, Mr. LAPP, Mr. SCHMIDT, Mr. HAM, Mr. SANDERS, Mr. JENSEN, Mr. WORSHAM, Mr. PARKERSON, Mr. SMITH, Mr. VAN LONE, Mr. DWIGHT, Mr. YOUNG.

Major: Twenty hours from courses offered in the department.

Minors: Twenty hours in mathematics, astronomy, chemistry, education, psychology and geology.

Physics 7a-7b and 8a-8b are recommended to students not specializing in mathematics, chemistry, or engineering. For undergraduate students taking advanced work or a major in physics, the following outline of work is suggested:

Freshman year: Trigonometry (Mathematics 4) and Chemistry. Sophomore year: Physics 1a-1b, 3a-3b, or Physics 7a-7b, 8a-8b. Junior year: Physics 15, 16 and 36, 17, 23, or 24. Senior year: Physics 4a-4b, 14a-14b, 20, 22, 25, 30, or 31.

Introductory Courses for Undergraduates

1a-1b. General Physics.—Lectures with class-room demonstration; recitations; written exercises. (For sophomores in engineering, mathematics, physics, and chemistry.) *I, (3); II, (2).*

1bx. General Physics.—Same as Physics 1b except for an extra recitation each week. *II, (3).*

Professor CARMAN, Assistant Professor SCHULZ, Mr. NELSON, Mr. FRITTS, Mr. LAPP, Mr. SANDERS, Mr. JENSEN, Mr. PARKERSON, Mr. SMITH.

Prerequisite: Registration in Physics 3a-3b; freshman mathematics.

3a-3b. Physical Measurements.—Laboratory experiments; quizzes in connection with Physics 1a-1b. *I, II; (2).*

Assistant Professor SCHULZ, Mr. NELSON, Mr. FRITTS, Mr. LAPP, Mr. SANDERS, Mr. JENSEN, Mr. PARKERSON, Mr. SMITH.

Prerequisite: Physics 1a-1b or registration therein.

7a-7b. General Physics.—Lectures; class-room demonstrations; recitations. (For students in arts and science.) *I, II; (2\frac{1}{2}).*

Professor WATSON, Assistant Professor WILLIAMS, Mr. HAM, Mr. VAN LONE, Mr. DWIGHT.

Prerequisite: Mathematics 4, or registration therein; registration in Physics 8a-8b. One year's university standing advised.

8a-8b. Introductory Laboratory Physics.—Physical measurements. *I, II; (2\frac{1}{2}).*

Assistant Professor WILLIAMS, Mr. HAM, Mr. VAN LONE, Mr. DWIGHT

Prerequisite: Registration in Physics 7a-7b.

9a-9b. General Physics.—Lectures; class-room demonstrations; recitations. (For students in architecture). *I, II; (2).*

Professor WATSON, Assistant Professor WILLIAMS, Mr. HAM, Mr. VAN LONE, Mr. DWIGHT.

Prerequisite: Mathematics 4; registration in Physics 10a-10b.

10a-10b. Introductory Laboratory Physics.—Physical measurements. *I, II; (2).*
Assistant Professor WILLIAMS, Mr. HAM, Mr. VAN LONE, Mr. DWIGHT

Prerequisite: Registration in Physics 9a-9b.

Intermediate Courses

15. Electricity and Magnetism.—For students in non-technical courses who wish a knowledge of electricity and magnetism beyond the course in general physics. Two recitations or lectures and one three-hour laboratory exercise weekly. *I; (3).*

Assistant Professor WILLIAMS

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

16. Heat.—Heat phenomena; mechanical theory of heat; thermodynamics. Laboratory experiments in thermometry, calorimetry, vapor pressure, expansion of bodies, transmission of heat, and mechanical equivalent, and method of measurement of high temperatures. *II; (3).*

Professor WATSON

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

17. Light.—Reflection, refraction, interference, diffraction, and polarization; optical instruments; lectures and laboratory. (For students in general physics, but also adapted to those who wish to learn the use of optical instruments.) *II; (3).*

Assistant Professor SCHULZ

Prerequisite: Physics 1a-1b; 3a-3b; or 7a-7b.

18. Teachers' Course.—Text-books, reference books, laboratory manuals, apparatus ordering, and methods of conducting work. Manipulative work with glass and apparatus. Selected topics in advanced general physics. *II; (3).*

Professor WATSON

Prerequisite: A course in general physics, or experience in teaching.

36. Heat Measurements.—Laboratory experiments in thermometry, calorimetry, vapor pressure, expansion of bodies, transmission of heat, mechanical equivalent, and method of measurement of high temperatures. This course is designed to accompany Physics 16. *II; (1).*

Professor WATSON

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

37. Light Measurements.—Laboratory experiments on the determination of constants of mirrors, lenses, prisms and gratings, their arrangement in optical instruments, and the use of refractometer, telescope, microscope, polarimeter, spectrometer and interferometer. This course is to be taken with or after Physics 17. *I or II; (1).*

Assistant Professor SCHULZ

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

40. Present Problems in Physics.—The Electron theory of matter. *II; (2).*

Professor KUNZ

Prerequisite: Course in general physics and senior standing.

41. Experiments on Present Problems in Physics.—A series of experimental lectures illustrating some of the more recent discoveries in physics. *II; (1).* Not given in 1921-22.

Professor KUNZ

Prerequisite: Registration in Physics 40.

Courses for Undergraduates and Graduates

44a-44b. Electrical and Magnetic Measurements.—First semester: measuring very high and low resistances; aperiodic and ballistic; galvanometers; electric currents and quantity; capacities. Second semester: absolute determination of capacity; the damping factor of a ballistic galvanometer; circuits containing resistance and self-induction; measurement of self and mutual induction; magnetic properties of iron; plotting of curves; hysteresis losses. Potentiometers. *I, (3); II, (2).*

Professor KNIPP, Mr. SCHMIDT, Mr. WORSHAM, Mr. YOUNG

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b; Mathematics 7, 9.

14a. Introduction to Theoretical Physics.—Motion, mass, and force. (For the student of general science as well as for students of physics and mathematics). Recitations; problems; lectures. *I; (3).*

Professor CARMAN

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b; Mathematics 8 or 7 and 9.

20. Light.—Special phenomena; modern theories; readings in texts of Drude, Wood, and Preston. Lectures; recitations. *I*; (2). Assistant Professor SCHULZ

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b; Mathematics 7 and 9, or 8.

22. Advanced Light Measurements.—Wavelength determinations with gratings, echelons, and interferometers, spectroscopy work, Zeeman effect, polarimetric analysis, resolving power of instruments, photometry and spectrophotometry. *I*; (2-5).¹ Assistant Professor SCHULZ

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

23. Sound.—Wave motion; origin, propagation, velocity, interference, and diffraction of sound; vibrations of strings and organ pipes; music and speech. Lectures, recitations. *I*; (3). Professor WATSON

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

24. Properties of Matter.—Gravitation, elasticity, capillarity, and other general properties of matter. Recitations; lectures. *II*; (2). Assistant Professor WILLIAMS

Prerequisite: Physics 1 and 3; or 7 and 8; Mathematics 7 and 9, or 8.

27. Fundamental Physical Measurements.—Measurements of length, mass, time, and of determinations of gravitation, elasticity, surface tension, viscosity. Laboratory. *II*; (1). Assistant Professor WILLIAMS

Prerequisite: Course in general physics.

30. Introduction to Theoretical Electricity.—Electrical and magnetic phenomena discussed with calculus methods. Magnetism, electrostatics, electrolysis, thermoelectricity, electromagnetics, varying currents, alternating currents, units, electromagnetic radiation, conduction through gases, radioactivity, electrons. (For advanced students in physics, chemistry, mathematics, and engineering). Lectures; recitations; demonstrations. *II*; (3). Professor KNIPP

31a-31b. Special Problems in Advanced Physical Measurements.—*I, II*; (2 or 3).¹

Professor CARMAN, Professor KNIPP, Professor WATSON, Assistant Professor SCHULZ, Dr. WILLIAMS.

33. Sound.—Laboratory experiments to illustrate and measure the fundamental phenomena of sound. *I*; (1). Professor WATSON

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

Courses for Graduates

The prerequisite for graduate work in physics is a college course in general physics with a year's laboratory course in introductory physical measurements. The student who is to do major work in physics should also have had additional courses in physics or teaching experience, unless the training in his minor subjects, mathematics or chemistry, has been strong and complete. He should also have a knowledge of French and German sufficient to use references in these languages. The courses named below are those open for candidates for the Master's or Doctor's degree. A large part of the last year's work of the candidate for the Doctor's degree is investigational in either experimental or theoretical physics. In addition to these major graduate courses, the courses in elementary dynamics, heat, light, electrical measurements, and introductory electrical theory are arranged with certain additions for graduate credit. The "intermediate" courses on heat, light, and electricity and magnetism (Physics 15, 16, 17, 24) may be offered by students making a minor in physics, and with certain limitations by students in their first year of graduate work for major credit.

104a-104b. Selected Problems in Electrical Measurements.—First semester: very high and very low resistances; galvanometers; damping factor and critical damping resistance; electric current and quality; capacities; absolute determination of capacity; Dolezalek quadrant electrometer; dielectric constants; the measurement of v and e/m for cathode rays; positive electricity; potentiometer. Second semester: properties of iron, hysteresis curves and losses. Recommended for graduate students in chemistry. *I, II*; ($\frac{3}{4}$ unit). Professor KNIPP

[121. Recent Advances in Physics and the Electron Theory.—Occurrence of electrons; properties; gaseous ion; determination of e/m and v of the electron and of the ion; positive rays in gas analysis; color effects of electrons, of ions, and of retrograde rays in residual hydrogen, helium, neon, and argon; determination of the elementary charge of the electron by the fog method, by radioactivity. *II*; ($\frac{1}{4}$ unit.) Not given in 1921-22. Professor KNIPP]

¹In registering for a course with variable credit hours, a student must put down on his study-list, not the possible hours, as shown here, but the number of hours for which he intends to take the course.

123. Sound.—Wave motion; forced vibrations; velocity and energy relations of sound waves; resonance; vibrations of strings and organ pipes. *Three times a week; I, II; (¾ or 1 unit).* Professor WATSON

124. Conduction of Electricity Through Gases.—Discharge phenomena. In the second semester, an original problem is assigned. Laboratory, collateral reading; discussion. *Three times a week; I, II; (1 to 2 units).* Professor KNIPP

126. Physics Colloquium.—Weekly meetings of the instructors and advanced students of the department for the presentation and discussion of papers on current problems in physics. Attendance is expected of all graduate students. *Once a week; I, II; (no credit).*

127a. Problems of Present Theoretical Investigations in Physics.—Fundamental laws of nature; least action; equipartition of energy; entropy and probability; laws of radiation; the energy quantum. *I, II; (½ unit).* Associate Professor KUNZ

131. Investigation of Special Problems.—Advanced laboratory or design and calculation. A problem worked out with the advice and direction of the instructor. *Two to four times per week; I, II; (1 to 2 units).*

Professor CARMAN, Professor KNIPP, Professor WATSON, Assistant Professor SCHULZ, Dr. WILLIAMS.

[132. Mathematical Physics.—Special phases of theoretical physics.

(a). **Dynamics.**—Newton's equations, general methods of integration, potential theory, potential of the ellipsoid, celestial mechanics, least constraint, virtual work; D'Alembert's and Hamilton's principles; special problems of hydrodynamics and of electricity. *Three times a week; I, II; (1 unit).* Not given in 1921-22.

(b). **Electrodynamics.**—The potential theory; electrical and magnetic polarization; spherical harmonics; images and inversion; conjugate functions; elliptic coordinates and integrals; magnetic actions of currents; coefficients of capacity; self and mutual induction; absolute measurements; Maxwell's theory; optics. Lectures; collateral reading. *Four times a week; I, II; (1 unit).* Associate Professor KUNZ

[132d. Electric Oscillations.—Maxwell's theory of the electromagnetic field. Electric oscillations along single and parallel wires; Hertz's oscillator; theory of the antennial propagation of waves over the surface of the earth; absorption; reflection; diffraction and scattering of electric and light waves. From the mathematical point of view, this course is in application of the potential theory involving spherical and cylindrical harmonics. *I; (¾ unit).* Not given in 1921-22. Associate Professor KUNZ]

132e. Thermodynamics.—Two periods weekly, second semester. *(1 unit).*

133. Seminar.—*Three or five times a week; I, II; (1 to 3 units).*

Professors CARMAN, KNIPP, WATSON, Associate Professor KUNZ, Assistant Professor SCHULZ.

Summer Session Courses

Professor KNIPP, Mr. NELSON, Mr. HAM, Mr. SCHMIDT

S7I. General Physics, Part I.—Lectures with experimental demonstrations and recitations on mechanics, including the fundamental laws of motion, forces and their effects, equilibrium, etc. (For students in Arts and Sciences). *(1½).* Professor KNIPP

Prerequisite: Plane geometry and high-school algebra; registration in Physics S8I. Plane trigonometry desired.

Equivalent: S7 (I, II, III) together with S8 (I, II, III) are equivalent to Physics 7a-7b, 8a-8b, or to Physics 9a-9b, 10a-10b for the college year.

S8I. Introductory Laboratory Physics, Part I.—A laboratory course in physical measurements on mechanics, properties of matter, forces, equilibrium, etc., to accompany S7I. *(1½).* Mr. NELSON

Prerequisite: Registration in Physics S7I.

Equivalent: See S7I.

S7II. General Physics, Part II.—Experimental lectures with recitations on electricity and magnetism. *(1½).* Professor KNIPP

Prerequisite: See S7I.

Equivalent: See S7I.

S8II. Introductory Laboratory Physics, Part II.—Laboratory experiments in electricity and magnetism to accompany S7II. *(1½).* Mr. HAM

Prerequisite: Registration in S7II.

Equivalent: See S7I.

S7III. General Physics, Part III.—Heat, light, and sound. *(1½).* Mr. NELSON

Prerequisite: Same as S7I.

Equivalent: See S7I.

S8III. Introductory Laboratory Physics, Part III.—Laboratory experiments in heat, light, and sound to accompany S7III. (1½). Mr. HAM

Prerequisite: Registration in Physics S7III.

Equivalent: See S7I.

S44a. Electrical and Magnetic Measurements.—Accurate measurement of resistance by commutating Wheatstone bridge, the Carey Foster bridge, and the Kelvin double bridge; insulation resistance; aperiodic and ballistic galvanometers; electric current and quantity; electric capacity. Discussions, recitations, and reports. Four 3-hour laboratory periods. (3). Professor KNIPP, Mr. SCHMIDT

Prerequisite: A course in general physics and calculus.

Equivalent: This course is the equivalent of the first semester of Physics 44a.

S15. Electricity and Magnetism.—Lectures, recitations and laboratory. This course is recommended to students who wish a broader and more accurate knowledge of electrical phenomena and theory than that given in the courses on general physics. (1½). Mr. SCHMIDT

Prerequisite: A course in general physics.

Equivalent: Physics 15 (in part.)

S16. Heat.—Lectures and recitations on fundamental heat phenomena accompanied by laboratory experiments in thermometry, calorimetry, transmission of heat, mechanical equivalent of heat, expansion, vapor pressure, etc. This is an intermediate course recommended to students who have already had a course in general physics and desire a more extended knowledge of heat. (1½). Mr. NELSON

Prerequisite: A course in general physics.

Equivalent: Physics 16 (in part.)

[S17. Light.—A course of lectures and recitations on reflection, refraction, interference, diffraction and polarization, followed by laboratory experiments on these phenomena, and the theory and use of optical instruments, such as telescopes, microscopes, refractometers, prism, and grating spectroscopes, interferometers, etc. (½). Not given in 1921.

Prerequisite: A course in general physics.

Equivalent: Physics 17 (in part.)]

S18. Teachers' Course.—Practical laboratory manipulation, such as glass blowing, minor repairs of apparatus, preparation of direction sheets, etc. (½). Mr. HAM

Prerequisite: A course in general physics, or teaching experience.

Equivalent: Physics 18 (in part.)

S21. Recent Advances and Applications in Physics.—Popular lectures, illustrated by experiments, on recent advances and applications of physics. These lectures are open to the public and may be attended by those interested. They are to be given by members of the instructional staff and others. One half hour credit may be obtained by students registering in the course. Brief abstracts of the lectures in addition to an examination of the main facts presented will be required. (½). Professor KNIPP and Mr. NELSON in charge

The subjects follow:

Measuring the Diameters of Stars. Professor STEBBINS

The Tones of Bells (Lantern, experiments.) Professor WATSON

Methods of Measuring High Temperatures (Experiments). Mr. NELSON

Factors Affecting the Structure of Electrodeposited Metals (Lantern). Mr. HAM

The Measurement of the Properties of an Electron (Experiments). Mr. SCHMIDT

Detectors of Electric Waves in Wireless Telegraphy. Mr. HARTSOUGH

Liquid Air and Allied Phenomena (Experiments). Professor KNIPP

A physics exhibit will be held immediately following the lecture on August 4. The laboratories, research rooms and the department shop will be open for inspection. It is planned to have a limited number of instructive experiments on exhibition.

[S24. Properties of Matter.—The fundamental properties of matter, weight, mass, gravitation, elasticity, viscosity, surface tension and diffusion. Lectures and recitations. Laboratory measurements including the use of the dividing engine, chronograph, etc. (1½). Not given in 1921.

Prerequisite: A course in general physics.

Equivalent: Physics 24 (in part.)]

S26. Physics Teachers' Colloquium.—A discussion in colloquium of the problems which the teacher of physics in the high school encounters, including methods of class conduction; criticisms of high school text books of physics; organization of laboratory work;

selection of experiments and accompanying apparatus, etc. Part of the work will be in the shape of short papers by members of the colloquium on assigned topics. ($\frac{1}{2}$).

Professor KNIPP, Mr. NELSON

Prerequisite: Enrollment in one of the physics courses.

Courses for Advanced Undergraduates and Graduates

S131. Special Problems in Advanced Physical Measurements.—Special laboratory problems such as the accurate determination of the coefficient of viscosity of liquids and gases; of the elastic constants of metals; of the coefficient of self-induction, L , of a coil; of the capacity, C , of a condenser in absolute measure; the calibration of a bridge wire; the use of a dividing engine, etc. (1, $1\frac{1}{2}$, 2.)

Professor KNIPP

Prerequisite: A course in general physics, elementary calculus.

Courses for Graduates

S131. Investigation of Special Problems.—This course is available for students who are working toward or who have taken their advanced degrees, and consists of individual special problems which will be under the general supervision of one of the professors. The work done should show originality in method, or should contribute new data in experimental investigation. (1, $1\frac{1}{2}$, or 2.)

Professor KNIPP

S133. Seminary and Thesis.—

Professor KNIPP

Prerequisite: Registration in Graduate School. See instructor.

PHYSIOLOGY

Associate Professor BURGE; Dr. APPELLE, Miss LEICHSENRING, Mr. McCREA. Cooperating: Dr. Moss

Major: 20 hours made up of any courses offered in the Department exclusive of Physiology 1.

Minors: 20 hours in bacteriology, botany, chemistry, and zoology.

Courses for Undergraduates

1. General Physiology.—A survey of the field of mammalian physiology. (Credit not given unless followed by another course in Physiology). *I, II.*

Associate Professor BURGE

2. Physiology of Circulation, Respiration, Special Senses, Muscle, Nerve and Special phases of Metabolism, Reproduction, and Glands of Internal Secretion.—*I; (3).* (Recommended for students in Athletic Coaching).

Dr. Moss, Dr. APPELLE

Prerequisite: Physiology 1.

4. Physiology of Digestion, Metabolism, Secretion, Excretion, and Glands of Internal Secretion.—(Recommended for Home Economics students). *I, II; (3).*

Associate Professor BURGE, Miss LEICHSENRING, Mr. McCREA

Prerequisite: Physiology 1; one semester of college chemistry.

6. Physiology of the Nervous System.—The function of the principal motor and sensory tracts of the mammal. *I; (3).*

Associate Professor BURGE, Miss LEICHSENRING, Mr. McCREA

Prerequisite: Physiology 1.

10a. Physiological Anatomy.—The organs of a mammal with special reference to function. *I, II; (3).* Associate Professor BURGE, Miss LEICHSENRING, Mr. McCREA

Prerequisite: Physiology 1.

Courses for Advanced Undergraduates and Graduates

5. Physiology of Nutrition.—Foods, vitamins, exercise, internal secretions, digestion and metabolism as related to health, lowered vitality and disease. *II; (2).*

Associate Professor BURGE

Prerequisite: Physiology 4.

7. Advanced Mammalian Physiology.—*I; (3).*

Associate Professor BURGE, Miss LEICHSENRING, Mr. McCREA

Prerequisite: Senior standing; Physiology 1; 8 hours chemistry.

9. Physiology of the Special Senses.—*II; (2).*

Associate Professor BURGE, Mr. McCREA

Prerequisite: Senior standing; Physiology 6.

Courses for Graduates

101. **Journal Club.**—Review of literature. *I, II; (1 unit).* Members of the Staff
 102. **Research.**—*I, II; (1 to 2 units).* Members of the Staff
 103. **Special Phases of the Physiology of Respiration, Circulation, Digestion, Metabolism, Excretion, Secretion, Glands of Internal Secretion, Nervous System.**—*I, II; (1 to 2 units).* Associate Professor BURGE, Miss LEICHSENING, Mr. McCREA

POLITICAL SCIENCE

(See also ECONOMICS, HISTORY, and SOCIOLOGY.)

Professors GARNER, FAIRLIE; Associate Professors MATHEWS, STORY; Dr. BERDAHL, Mr. WHITE, Mr. KETCHAM, Mr. TILLEMA.

Major: 20 hours from any courses offered by the department. A major may include three hours of constitutional history (History 4 and 14).

Minors: 20 hours, selected from two of the following subjects: history, economics, law, sociology, philosophy, and education.

Courses for Undergraduates

NOTE.—Courses 1 and 3 give a survey of national, state, and local government in the United States, and should be taken by students specializing in political science.

1. **American National Government.**—Historical development, organization, powers, limitations, and practical working of the national government of the United States. *I; (3).* Associate Professor STORY

Prerequisite: 30 hours of university work.

3. **State and Local Government.**—Powers, obligations, and rights of the states in the federal union; formation and admission of states; development of state constitutions; organization of state and local government; political methods. (A continuation of Political Science 1; may be taken independently.) *II; (3).* Associate Professor STORY

Prerequisite: 30 hours of university work.

NOTE.—Students may not take both 3 and 16 for more than a total of five hours' credit.

15. **American Government and Politics.**—National, state and local government. (Primarily for students in the Colleges of Engineering and Agriculture.) *II; (3).* Dr. BERDAHL

Prerequisite: 30 hours of university work. No credit is allowed for this course if the student has already had or subsequently takes course 1 or 3.

16. **Government in Illinois.**—The commonwealth and the nation; constitutional development; organs of state government and their work; organization of the local governments and their functions; methods and agencies of popular control in public affairs; the constitutional convention of 1920. *I; (3).* Professor FAIRLIE

Prerequisite: 30 hours of university work.

NOTE.—Students may not take both 3 and 16 for more than a total of five hours' credit.

Courses for Advanced Undergraduates and Graduates

NOTE.—Junior standing is required for admission to the following courses:

4. **Municipal Government.**—The growth of cities; their legal and social status; municipal organization in the United States, including mayor and council, commission, and city manager plans; municipal organization abroad; municipal functions. *I; (3).* Associate Professor STORY

5. **Constitutional Law of the United States.**—The judicial interpretation of the constitution. Judicial power to declare laws unconstitutional; separation of governmental powers; relation of state and national governments; national taxation; control of interstate commerce; protection of civil and political rights (due process of law); jurisdiction of the courts. *I; (3).* Associate Professor MATHEWS

Prerequisite: Political Science 1; junior standing.

6a. **International Law: Law of Peace.**—The nature, sources and development of international law; the rights and duties of states as members of the family of nations; the law of recognition, extradition, jurisdiction, etc.; intercourse between states; treaties, conventions and international conferences; settlement of international disputes. *I; (3).* Professor GARNER

Prerequisite: Open to seniors, graduate students, and law students with junior standing.

6b. International Law: Law of War and Neutrality.—The customary and conventional law governing the conduct of war; legal effects of the outbreak of war; lawful and unlawful methods and agencies; maritime war; aerial war; blockade and contraband; treaties of peace; rights and duties of neutrals, etc. *II*; (3). Professor GARNER

Prerequisite: Same as for course 6a.

7. American Diplomacy.—American participation in international affairs; Presidential initiative in foreign policy; development and organization of the Department of State; diplomatic intercourse; the consular service; the power of recognition; the treaty-making power; executive agreements; neutrality; the beginning and termination of war. *II*; (3). Associate Professor MATHEWS

Prerequisite: Political Science 1 or History 3a-3b; junior standing.

9. Principles of Jurisprudence.—The nature and sources of law; development and comparison of the Roman and English legal systems; English law in the United States; classification of law. *I*; (2). Professor FAIRLIE

Prerequisite: Political Science 1 or its equivalent; junior standing.

11. Constitutional Aspects of Social and Industrial Problems.—The nature of the police power; legislation concerning public health, order, and safety; constitutionality of labor legislation; control of combinations of capital; regulation of public service companies. *II*; (3). Associate Professor MATHEWS

Prerequisite: 6 hours of political science or economics; junior standing.

12. National Administration in the United States.—Administrative powers of the President and Congress; administrative organization; the President's cabinet, the executive departments, boards and commissions, and administrative services of the national government (including war agencies); judicial administration and the relation of the courts to the executive authorities. *II*; (3). Professor FAIRLIE

Prerequisite: Political Science 1; junior standing.

13. State Administration in the United States.—Organization and methods of the executive departments of the state governments; the governor, heads of administrative departments, boards and commissions, and the civil service. Centralization in taxation, education, and the enforcement of state law. *I*; (3). Associate Professor MATHEWS

Prerequisite: Political Science 3 or its equivalent; junior standing.

14. Political Parties and Methods.—Political parties and political methods, primarily in the United States; recent legislation on primary elections and corrupt practises; the party system. *I*; (3). Dr. BERDAHL

Prerequisite: One course in political science; junior standing.

18. Legislation in the United States.—Nature of the legislative power; constitutional limitations; organization, rules of procedure and practise of American legislative bodies; bill drafting; reference bureaus; criticism of bills and discussion of principles of legislation. *II*; (3). Associate Professor STORY

Prerequisite: 6 hours of political science; junior standing.

21. British Government.—Political institutions in the United Kingdom and the British dominions; the Crown, the Cabinet, the House of Commons and the House of Lords; the party system; the courts of law; local government; the crown colonies and the self-governing dominions; recent developments and proposed changes. *I*; (2). Professor FAIRLIE

Prerequisite: Graduate or senior standing, or junior standing with six hours of political science.

21a. Problems in British Government.—(Supplemental to Political Science 21.) Special reports and conferences. *I*; (1). Professor FAIRLIE

Prerequisite: Registration in Political Science 21.

22. Continental European Governments.—The political systems of France, Germany, Italy, Switzerland and Russia; constitutional beginnings; political organization; legislation and administration; constitutional guaranties for the protection of individual rights. *II*; (3). Professor GARNER

Prerequisite: Graduate or senior standing, or junior standing with six hours of political science. History 20a-20b and Political Science 21 recommended.

34. Municipal Problems.—Municipal administration in the United States and Europe; organization; city planning and housing; public utilities; police and sanitary administration; municipal finances. Lectures; readings; special reports. *II*; (3). Professor FAIRLIE

Prerequisite: Open to graduate students, and to undergraduate students who have had Political Science 4, or Economics 1, or who have senior standing in the curriculum in municipal or highway engineering.

36a-36b. Thesis Course.—Research work for candidates for honors and other seniors. *I, II*; (2). *Time to be arranged.*

Courses for Graduates

101. **History of Political Theories.**—Ancient, medieval, and modern political thought; political theories of Aristotle, Plato, Machiavelli, Hobbes, Locke, Montesquieu, and others; American political philosophy. *Three times a week; I; (1 unit).* Professor GARNER

102. **The Nature of the State.**—Principles, methods, and nature of political science; origin, attributes, forms, and functions of the state; sovereignty and liberty; citizenship and nationality; constitutions, their nature and forms; legislative, executive, and judicial organization. Alternates with course 101. *Twice a week; I; (1 unit).* Not given in 1921-22. Professor GARNER]

103. **Seminar in Political Science and Public Law.**—Special problems; reports; discussions and criticism. The research work of candidates who are writing theses is under the direction of some instructor to whom they report frequently. *Once a week; I; II.* Members of the department

104. **Municipal Administration.**—Selected topics in organization and special problems. *Twice a week; II; (1 unit).* Associate Professor STORY

107. **Foreign Relations of the United States.**—Studies in the principles and practices of American foreign policy. *Twice a week; II; (1 unit).* Not given in 1921-22. Associate Professor MATHEWS]

112. **Public Administration.**—Comparative studies in national and local administration. *Twice a week; II; (1 unit).* Professor FAIRLIE

113. **State Government and Administration.**—Studies in the organization and methods of state governments in formulating and executing public policies; investigation of problems. Different topics in succeeding years. *Twice a week; I; (1 unit).* Associate Professor MATHEWS

Summer Session Courses

S3. **State Government.**—(2½). Associate Professor STORY

Prerequisite: 30 hours of university work.

Equivalent: Political Science 3 (except local government).

S4. **Municipal Government.**—(2½). Associate Professor STORY

Prerequisite: Junior standing.

Equivalent: Political Science 4 (except European cities).

S103. **Research in Political Science.**—(½ to 1 unit). Associate Professor STORY

Prerequisite: Graduate standing.

PSYCHOLOGY

Professor BENTLEY; Dr. RAHN, Dr. GRIFFITH, Dr. YOUNG, Dr. SULLIVAN¹; Miss ANDERSON, Mr. HIGGINSON, Mr. MARSTON (Summer Session), Miss RUTHERFORD, (Summer Session), Miss ELDER, Mr. ROBERTSON.

Major: Twenty hours chosen from courses announced by the department.

Minors: Twenty hours chosen from education, genetics, philosophy, physics, physiology, sociology, and zoology.

Courses for Undergraduates

1. **Introduction to Psychology.**—The facts and uniformities of mind. Sensation and image, perception, attention, memory, emotion, action, and thought. Experimental methods and their results are illustrated in lecture by demonstrations. This course is preliminary to all other work of the department. Lectures; sectional meetings. *I, II; (4).* Professor BENTLEY, Dr. RAHN, Dr. GRIFFITH, Dr. YOUNG, and assistants.

Prerequisite: One year of university work.

2. **General Psychology.**—Mental inheritance, habit, custom, and fashion; the relations of psychology to the biological and social sciences; comparative and genetic psychology, and the psychology of the abnormal; applications of psychology to the arts and professions. *II; (4).* Dr. GRIFFITH and assistants

Prerequisite: Psychology I.

3. **Laboratory Practise (Elementary).**—Classical experiments in the fields of sensation, feeling, attention, and action. A drill course in scientific method. *I or II; (2).* Dr. GRIFFITH, Dr. YOUNG, and assistants

Prerequisite: Psychology I.

¹On leave, first semester.

8. **Feeling and Emotion.**—A critical analysis of the facts, problems and methods of affective psychology, with special reference to recent physiological studies. Readings from standard works and from the periodical literature. Informal discussion. Special reports. *II*; (2). Dr. YOUNG

Prerequisite: Psychology 1 and 2, or 1 and 3.

24. **Psychology of Religion.**—An analytic study of the religious consciousness and of religious behavior. *II*; (2). Dr. RAHN

Prerequisite: Psychology 1.

Courses for Advanced Undergraduates and Graduates

5. **Comparative Psychology.**—Mind in animal forms; the psychological implications of organic evolution; a comparison of human and animal minds; criticism of current literature. (Recommended to students who intend to elect advanced courses in either animal psychology or in the study of behavior). Lectures; laboratory. *I*; (2). Dr. RAHN

Prerequisite: Psychology 1 and one other course.

6. **Comparative Psychology (Advanced Laboratory).**—Individual studies in animal psychology. *II*; (2). Dr. RAHN

Prerequisite: Psychology 1 and 5.

9. **Physiological Psychology.**—Correlations between the structure and functions of the nervous system and the human mind; a formulation of the problem of psychophysical relationship. Lectures; readings; discussions. *II*; (3). Dr. RAHN

Prerequisite: Psychology 1 and 2, or 1 and 3, and laboratory training in one of the biological sciences.

10. **Translation of Psychological Treatises.**—Reading and systematic interpretation of standard works in foreign languages. *I*; (2). Professor BENTLEY

Prerequisite: Psychology 1, and consent of the instructor.

12-13. **Minor Problems (Advanced Laboratory).**—The application of methods suitable to new methods. *I, II*; (3). Professor BENTLEY, Dr. GRIFFITH

Prerequisite: Psychology 1, 2, 3, and consent of the instructor.

14. **Social Psychology.**—The social consciousness and the collective mind; analysis of the conditions upon which the social consciousness depends; perceptual, ideational, and emotional factors in the social consciousness; the genetic development of the collective mind as revealed in tradition and institutions. *I*; (3). Dr. RAHN

Prerequisite: Psychology 1 and one other course.

15. **Psychological Basis of Music.**—Summary of experimental and theoretical literature on the origin of music, harmony, melody, rhythm, consonance, tonal quality; psychology of musical appreciation and performance; tests of musical aptitude. *II*; (2). Not given in 1921-22.

Prerequisite: Psychology 1 and one other course.]

16. **Genetic Psychology.**—Instinctive responses, formation of habits, and development of mental functions in the child, from birth to maturity. *I*; (2). Not given in 1921-22.

Prerequisite: Psychology 1 and one other course.

17. **The History of Psychology.**—Lectures; readings in the sources. *II*; (2). Dr. GRIFFITH

Prerequisite: Psychology 1 and 2; permission of the instructor.

20. **Systematic Psychology.**—Psychological analysis and construction. Lectures and essays. *II*; (3). Professor BENTLEY

Prerequisite: Consent of the instructor.

21-22. **Special Studies.**—Individual investigations, for advanced students, in the form of essay or of experiment. *I, II*; (3). Professor BENTLEY, Dr. YOUNG, Dr. SULLIVAN

Prerequisite: Psychology 12 or 13.

26. **Recent Experimental Problems.**—The exposition and discussion of the more important researches in the current introspective literature. *II*; (2). Dr. SULLIVAN

Prerequisite: Psychology 1, 2 and 3.

Courses for Graduates

103. **Research.**—Experimental and historical investigations. *I, II*; ($\frac{1}{2}$ to 2 units). Professor BENTLEY, Dr. RAHN

105. **Seminar.**—Discussion of current topics in their historical setting. *Once a week*; *I, II*; (1 unit). Professor BENTLEY

Summer Session Courses

Courses for Undergraduates

S1. Introduction to Psychology.—The facts and laws of mind. (2½).

Dr. GRIFFITH, Mr. MARSTON

Prerequisite: Sophomore standing or consent of the instructor.

Equivalent: Psychology 1 (in part).

S2. General Psychology.—The genetic inheritance of mind; relation of psychology to the physiological, medical, biological, and social sciences; habit, instinct, illusion, hallucination, dream, and other special problems; applications of psychology to the arts, professions, and industries. (1½).

Miss RUTHERFORD

Prerequisite: Psychology 1 or the equivalent.

Equivalent: Psychology 2 (in part).

S16. Genetic Psychology.—Instinctive responses, formation of habits, and development of the psychosomatic functions in the child from birth to maturity. (1½).

Mr. MARSTON

Prerequisite: Psychology 1 and 2.

Equivalent: Psychology 16.

Courses for Advanced Undergraduates and Graduates

S13. Minor Problems.—Individual investigations in the form of essay or experiment. (1-2).

Dr. GRIFFITH

Prerequisite: The equivalent of Psychology 1 and one other course, preferably training in elementary laboratory experiments, or consent of the instructor.

Equivalent: Psychology 13.

S25. Psychology and Athletics.—Designed primarily for students in the Athletic Coaching School. Psychological analysis of the sports; the mind of the athlete; the development and maintenance of morale; individual differences in psychosomatic performance; the nature of play; the maintenance of mental health. Lectures and discussions. (2).

Dr. GRIFFITH

Prerequisite: Psychology 1 or the consent of the instructor.

PUBLIC SPEAKING

(See ENGLISH LANGUAGE AND LITERATURE.)

RAILWAY ADMINISTRATION

(See TRANSPORTATION.)

RAILWAY ENGINEERING

Professors SCHMIDT, SNODGRASS, KING; Assistant Professor TUTHILL; Mr. PARKINSON
Mr. MITCHELL.

Railway Civil Engineering—Courses 31-51.

Railway Electrical Engineering—Courses 59-81.

Railway Mechanical Engineering—Courses 1-10.

Common to all groups—Courses 25, 98, and 99.

Graduate Courses—Courses 100-110.

2. Locomotive Design.—Calculations and designs of engine and boiler details; current standards and proportions. Drafting room systems. I; (3).

Mr. PARKINSON

Prerequisite: Mechanical Engineering 13, 14, 64; Railway Engineering 4.

3. Locomotives.—Locomotives and locomotive terminal facilities. I; (2).

Mr. PARKINSON

Prerequisite: Junior standing in the College of Engineering.

4. Locomotives.—Mechanics, performance, design. A continuation of Railway Engineering 3. II; (3).

Mr. PARKINSON

Prerequisite: Railway Engineering 3; Theoretical and Applied Mechanics 21 and 29 registration in Mechanical Engineering 64.

5. Railway Laboratory.—Locomotive testing; experimental work with electric and steam railway test cars, brakeshoe testing machine, drop testing machine, and air-brake apparatus. I; (3).

Professor SNODGRASS

Prerequisite: Railway Engineering 4; Mechanical Engineering 13, 14b, 64.

7. Advanced Design.—Problems in locomotive and car design. II; (3).

Mr. PARKINSON

Prerequisite: Railway Engineering 2.

8. Railway Laboratory.—Investigation of train resistance and locomotive tractive effort by the use of the railway test car. Analysis of the results and their application to the problems of tonnage rating. *II*; (2). Professor SNODGRASS

Prerequisite: Railway Engineering 5.

9. Seminar.—Discussion of current topics and review of railway journals; assigned topics and reports. *I*; (1). Professor SCHMIDT

Prerequisite: Open to seniors in railway courses only.

25. Railway Development.—History and organization of steam and electric railways; statistics; costs. *I*; (3). Professor SNODGRASS, Professor KING

Prerequisite: Open to juniors in railway courses only.

31. Railway Yards and Terminals.—Theory of design; arrangement of grades in gravity yards; problems. *I*; (3). Professor KING

Prerequisite: Civil Engineering 51, or Senior standing in railway engineering.

32. Railway Construction.—Advanced course in design of railway structures; study of cost analysis; preparation of estimates of cost, complete working drawings, and contracts and specifications for assigned problems in design. *II*; (3). Professor KING

Prerequisite: Civil Engineering 51.

33. Economic Theory of Railway Location.—Influence of volume of traffic, alignment, and gradient on operating expenses; locomotive and grade problems; relocation of existing lines. *II*; (4). Professor KING

Prerequisite: Civil Engineering 51; Theoretical and Applied Mechanics 20, 21.

35. Railway Signaling.—Block and route signaling; systems in use; history; railway accidents. *I*; (1). Professor KING

Prerequisite: Senior standing in Engineering.

36. Railway Maintenance.—Track materials; timber preservation; seasonal work; maintenance of way standards. *II*; (3). Professor KING

Prerequisite: Civil Engineering 51.

37. Railway Maintenance.—Stresses in track; track design. *I*; (2). Professor KING

Prerequisite: Railway Engineering 36.

51. Seminar.—Current topics; review of railway journals; assigned topics and reports. *II*; (1). Professor KING

Prerequisite: Open to seniors in railway courses only.

59. Electric Railway Principles.—Mechanics of traction; train resistance; braking of electric railway trains; method of solving fundamental electric railway problems. *I*; (2). Assistant Professor TUTHILL

Prerequisite: Registration in Theoretical and Applied Mechanics 25; Electrical Engineering 25, 75.

60. Electric Railway Principles.—(A continuation of Railway Engineering 59.) Graphic time charts; single and double track service; cars, trucks; lighting; braking, heating. *II*; (2). Assistant Professor TUTHILL

Prerequisite: Railway Engineering 59; Theoretical and Applied Mechanics 25; Electrical Engineering 25, 75.

61. Electric Traction.—Selection and operation of equipment. A condensed course for students in railway mechanical engineering or other engineering departments. *II*; (3). Assistant Professor TUTHILL

Prerequisite: Theoretical and Applied Mechanics 21 or 25; Electrical Engineering 11, 61, or 25, 75.

62. Electric Railway Laboratory.—Tests of electrical machinery used in railway service. *I*; (2). Assistant Professor TUTHILL

Prerequisite: Railway Engineering 59, 60.

63. Electric Railway Laboratory.—(A continuation of Railway Engineering 62.) Tests with the electric test car and the steam road dynamometer car to determine train resistance and power consumption. *II*; (2). Assistant Professor TUTHILL

Prerequisite: Railway Engineering 62, 64.

64. Electric Railway Practise.—Types of equipment; energy consumption; methods of distribution. *I*; (3). Assistant Professor TUTHILL

Prerequisite: Theoretical and Applied Mechanics 25; Electrical Engineering 26, 76; Railway Engineering 60.

67. Seminar.—Current topics; review of railway journals; assigned topics and reports. *I*; (1). Professor SCHMIDT

Prerequisite: Open to seniors in railway courses only.

71. Electric Railway Machinery.—Theory and characteristics of electrical machinery used for railway service, of transmission and distribution lines. *I; (2).*

Assistant Professor TUTHILL

Prerequisite: Railway 60; Electrical Engineering 26, 76.

74. Electric Railway Economics.—Location and operation; choice of systems; location of power plant and sub-stations; calculation of transmission and distribution of circuits; maintenance of way and of equipment; electrification of steam roads. *II; (3).*

Assistant Professor TUTHILL

Prerequisite: Railway Engineering 64.

98. Thesis.—Independent solution of some railway problem or the investigation of some subject. The thesis may consist of an original design or of an original experimental investigation, or may be the analysis and discussion of facts already in existence. *II; (3).*

Professors SCHMIDT, SNODGRASS, KING, TUTHILL

99. Inspection Trip.—*I; (no credit).*

Prerequisite: Senior standing.

Courses for Graduates

Entrance on graduate work in railway engineering presupposes the full undergraduate course in that subject.

102. Locomotive Design.—Modern practise concerning steam pressure, compounding, superheating. *Once a week; I, II; (1 unit).*

Professor SNODGRASS

106. Locomotive Operation.—Train resistance and tractive effort; tonnage ratings. *Once a week; I, II; (1 unit).*

Professor SCHMIDT

[108. Electric Railway Practise.—The design, selection, operation, and maintenance of equipment; central station, substation, rolling stock, and line equipment. *Once a week; I, II; (1 unit).* Not given in 1921-1922.]

110. Railway Location.—The effect of location on earning capacity; problems in original location, in the relocation and reduction of grades of existing lines. *I, II; (1 unit).*

Professor KING

ROMANCE LANGUAGES AND LITERATURE

Professors MCKENZIE, OLIVER, FITZ-GERALD, CARNAHAN; Assistant Professors VAN HORNE, HAMILTON; Dr. SEYMOUR, Dr. MARTIN, Miss BOVIN, Miss SMITHERS, Mr. GUIET, Miss GIDINGHAGEN, Miss BOUCHER, Miss FOLEY, Miss WALTHER, Mr. BIANCHI, Miss DALLERA, Mr. BERZUNZA, Miss ANDERSON, Mr. AIELLO, Miss KINGSLEY, Miss DETURK, Mr. SMITH, Miss MERRIAM, Miss BREATHWIT, Miss MILES, Miss ALTMAN, Miss MELVIN, Mr. WEST, Mrs. MILLS, Mrs. GUERNSEY, Mr. KNOX, Mrs. CARLOCK. Cooperating in Summer Session: Professor CHEYDLEUR, Mr. SOTO, Mr. HAUMONT.

FRENCH

Major: Twenty hours of French, exclusive of French 1a, 1b, 2a, 6a, 6b, 6c.

Minors: Twenty hours in not more than two of the following subjects: comparative literature, English (excluding Rhetoric 1-2), German, Greek, history, Italian, Latin, Spanish; provided that at least 8 hours must be taken in any subject chosen.

SPANISH

Major: Twenty hours of Spanish, exclusive of Spanish 1a, 1b.

Minors: Twenty hours in not more than two of the following subjects: comparative literature, English (excluding Rhetoric 1-2), French, German, Greek, history Italian, Latin; provided that at least 8 hours must be taken in any chosen subject.

ROMANCE LANGUAGES

Major: Twenty hours in some one Romance language, exclusive of French 1a, 1b, 2a, 6a, 6b, 6c; Spanish 1a, 1b.

Minors: Twenty hours in not more than two of the following subjects: comparative literature, English (excluding Rhetoric 1-2), French, German, Greek, history, Italian, Latin, Spanish; provided that at least 12 hours be taken in some one Romance language other than the language of the major, and exclusive of French 1a, 6a, 6b, 6c; Italian 1a, Spanish 1a; and provided that not less than 8 hours must be taken in any subject chosen.

A. FRENCH

Courses for Undergraduates

1a-1b. Elementary Course.—Grammar; pronunciation; reading of modern authors; composition; conversation. *I, II; (4).*

(Professor CARNAHAN), Miss BOUIN, Miss BOUCHER, Miss FOLEY, Miss WALTHER, Mr. AIELLO, Mrs. KINGSLEY, Miss DETURK, Mr. SMITH, Mr. WEST, Mrs. MILLS

Prerequisite: Not open to students who have had high-school work in this language.

2a-2b. Modern Prose, Poetry, and Drama.—Rapid reading of modern authors; syntax and composition. *I, II; (4).*

(Professor CARNAHAN), Mr. GUIET, Miss FOLEY, Miss WALTHER, Miss ANDERSON, Mrs. KINGSLEY, Miss DETURK, Mr. SMITH, Mr. WEST, Mr. KNOX

Prerequisite: French 1a-1b, or the equivalent.

5a-5b. Introduction to French Literature.—Authors of the last three centuries. *I, II; (3).*

Professor OLIVER, Professor FITZ-GERALD, Assistant Professor HAMILTON, Miss ANDERSON

Prerequisite: French 2a-2b, or the equivalent.

6a-6b. Second-Year Conversation.—Three hours weekly of class-room exercise, without requirement of outside study. (Does not count toward a major in French or in Romance languages.) *I, II; (2).*

Prerequisite: French 1a-1b (with a grade of at least B) or the equivalent.

7a-7b. Intermediate Composition and Conversation.—Conducted entirely in French, giving facility in idiomatic expression in writing and speaking. Reading; themes; talks on France and French life. *I, II; (2).*

Prerequisite: French 2a-2b, or 6a-6b.

NOTE.—Required of those who are given the recommendation of the department to teach French.

8a-8b.—Advanced Composition and Conversation.—French life and literature. Idiomatic construction; syntax; themes. Conducted entirely in French. *I, II; (2).*

Prerequisite: French 7a-7b.

25. The Teaching of French.—Methods of teaching French; discussion of class-room problems. *II; (2).*

Prerequisite: 22 hours' credit in French or 16 hours' credit in French plus 22 hours of Spanish.

28a-28b. Senior Thesis.—For candidates for honors in French; open to other seniors. *I, II; (1).*

Courses for Advanced Undergraduates and Graduates

Prerequisite for the following courses: French 5a-5b or the equivalent, and junior standing; or senior standing and the consent of the instructor.

10a-10b. Survey of French Literature.—The main currents of French literature from the beginning to the present time. *I, II; (3).*

17a-17b. French Drama of the Nineteenth and Twentieth Centuries.—*I, II; (2).*

24a-24b. Seventeenth and Eighteenth Century Drama.—Corneille, Racine, Molière, Voltaire, Marivaux, Sedaine, Beaumarchais. Lectures and interpretation. *I, II; (3).*

[35a-35b. French Literature of the Sixteenth Century.—Marot, Ronsard, Du Bellay, Rabelais, Montaigne, the drama. *Twice a week; I, II; (1 unit).* Not given, 1921-22.

42a-42b. The French Novel.—From 1850 to the present time. Lectures, reports, and collateral reading. *I, II; (2).*

NOTE.—Attention is called to English 54: Introduction to Comparative Literature.

Courses for Graduates

Before entering upon the study of Romance languages as a major for the degree of A. M., the candidate must have had at least (a) three years of college work in one Romance language, and a reading knowledge, satisfactory to the department, of another Romance language; or (b) two years of college work in each of two Romance languages. In either case a reading knowledge of German is highly desirable. Before being accepted as a recognized candidate for the degree of Ph.D., he must have had in addition satisfactory training in Latin, and must be able to read ordinary German prose.

Before entering on the study of Romance languages as a first or second minor for an advanced degree, the candidate must have had at least two years of college work in the language desired.

101. Old French Epic Literature.—Reading and interpretation of the greater national and courtly epics; the history of these types of medieval literature. *Twice a week; I, II; (1 unit).* Not given, 1921-22. Professor OLIVER]

102. Old French Lyric and Prose Literature.—Interpretation of the earlier Old French didactic, chronicle, and lyric writers. *Twice a week; I, II; (1 unit).* Professor OLIVER

103. Seventeenth Century Prose Writers.—French culture, society, and prose literature of the seventeenth century; great preachers and moralists; Jansenism and Port Royal; formation of the classic ideals. *Twice a week; I, II; (1 unit).* Professor OLIVER

104. Eighteenth Century Prose Writers.—Society, culture, and prose literature of the eighteenth century. The attack on the classic ideals; growth of the revolutionary spirit. *Twice a week; I, II; (1 unit).* Not given, 1921-22. Professor OLIVER]

127. French Romanticism.—Origin and development of the Romantic movement in France. *Twice a week; I, II; (1 unit).* Professor CARNAHAN

B. ITALIAN

Courses for Undergraduates

- 1a-1b. Elementary Course.**—Grammar; composition; conversation; reading. *I, II;* (4). Mr. AIELLO
- 2a-2b. Conversation and Review of the Grammar.**—*I, II; (2).* Assistant Professor VAN HORNE

Prerequisite: Italian 1a-1b.

Courses for Advanced Undergraduates and Graduates

- 3a-3b. Introduction to Italian Literature.**—*I, II; (2).* Assistant Professor VAN HORNE
- Prerequisite:* Italian 1a-1b and junior standing.

Courses for Graduates

- 140. Italian Literature of the Thirteenth and Fourteenth Centuries.**—Dante, Petrarca, Boccaccio. *Twice a week; I, II; (1 unit).* (Not given, 1921-22.) Professor MCKENZIE
- 143. Italian Literature of the Fifteenth and Sixteenth Centuries.**—*Twice a week; I, II; (1 unit).* (Not given, 1921-22.) Professor MCKENZIE]
- 146. Modern Italian Literature.**—*Twice a week; I; (1 unit).* (Not given, 1921-22.) Professor MCKENZIE

C. SPANISH

Courses for Undergraduates

- 1a-1b. Elementary Course.**—Grammar; pronunciation; reading; composition; conversation. *I, II; (4).* (Professor FITZ-GERALD), Dr. SEYMOUR, Dr. MARTIN, Miss SMITHERS, Miss GIDINGHAGEN, Mr. BIANCHI, Miss DALLERA, Mr. BERZUNZA, Miss ANDERSON, Mr. AIELLO, Miss MERRIAM, Miss BREATHWIT, Miss MILES, Miss ALTMAN, Miss MELVIN, Mrs. GUERNSEY, Mrs. CARLOCK.

2a-2b. Modern Spanish.—Rapid reading; review of grammar; conversation on topics of everyday life; composition. *I, II; (4).*

(Professor FITZ-GERALD), Dr. SEYMOUR, Miss SMITHERS, Miss GIDINGHAGEN, Miss MERRIAM, Miss ALTMAN, Miss MELVIN, Mrs. GUERNSEY

Prerequisite: Spanish 1a-1b, or an equivalent demonstrated by examination.

3a-3b. Introduction to Spanish Literature.—Reading of modern authors, and of authors of the seventeenth century. *I, II; (3).* Dr. SEYMOUR, Dr. MARTIN

Prerequisite: Spanish 2a-2b, or an equivalent demonstrated by examination.

7a-7b. Intermediate Composition and Conversation.—Conducted in Spanish. *I, II;* (2). Miss SMITHERS, Miss DALLERA

Prerequisite: Spanish 2a-2b.

8a-8b. Advanced Composition and Conversation.—*I, II; (2).* Miss DALLERA

Prerequisite: Spanish 7a-7b.

25. Course for Teachers.—Methods of teaching Spanish; discussion of class-room problems. *I*; (2). Assistant Professor VAN HORN
Prerequisite: 22 hours' credit in Spanish, or 16 hours credit in Spanish plus 22 in French.

Courses for Advanced Undergraduates and Graduates

Prerequisite for the following courses: Spanish 3a-3b, or the permission of the instructor.

[10a-10b. General Survey of Spanish.—*Twice a week*; *I*, *II*; (*I unit*). Not given, 1921-22.]

11a-11b. The Spanish Drama of the Sixteenth and Seventeenth Centuries.—Earlier dramatists; representative plays of Lope de Vega, Calderón, Ruiz de Alarcón and Tirso de Molina. Reports on outside reading. *I*, *II*; (2). Assistant Professor HAMILTON

17a-17b. The Spanish Drama of the Nineteenth Century.—*I*, *II*; (2).

Assistant Professor VAN HORNE

[42a-42b. The Modern Novel in Spain.—Development of the novel in Spain from the middle of the nineteenth century to the present. *Twice a week*; *I*, *II*; (*I unit*). Not given, 1921-22.]

Courses for Graduates

132. The Novela of the Golden Age.—Political and social conditions in Spain from 1560 to 1700; the kinds of prose fiction produced in this period; Don Quixote and the Novelas Exemplares of Cervantes. *Twice a week*; *I*, *II*; (*I unit*). Professor FITZ-GERALD

[133. Origin of the Spanish Novela and of the Comedia.—The development of Spanish prose fiction and of Spanish dramatic art for the period previous to the Golden Age. *Twice a week*; *I*, *II*; (*I unit*). Not given, 1921-22. Professor FITZ-GERALD]

134. The Spanish Ballad.—Types of the ballad. *Twice a week*; *I*, *II*; (*I unit*).

Dr. SEYMOUR

[137. Spanish Satire.—Development of satire in Spanish literature from the earliest monuments to the present. *Twice a week*; *I*, *II*; (*I unit*). Not given, 1921-22.

Dr. SEYMOUR]

[139. Spanish Literature in the Middle Ages.—Lectures on the history of Spanish literature from its origin through the reign of John II of Castile. *Twice a week*; *I*, *II*; (*I unit*). Not given, 1921-22. Professor FITZ-GERALD]

D. ROMANCE PHILOLOGY

Courses for Graduates

171. Introduction to Romance Philology.—Historical phonology and morphology of the Romance languages. *Twice a week*; *I*, *II*; (*I unit*). Professor FITZ-GERALD

175. Old French Phonology and Morphology.—Development of Old French from Vulgar Latin. *Twice a week*; *I*, *II*; (*I unit*). Professor OLIVER

[179. Old Provençal.—Historical grammar; selected texts. *Once a week*; *I*, *II*; ($\frac{1}{2}$ unit). Not given, 1921-22.]

[181. Origin and Formation of the Italian Language.—Thirteenth century texts. *Twice a week*; *II*; (*I unit*). Not given, 1921-22. Professor MCKENZIE]

185. Oldest Monuments of the Spanish Language; Origins of Spanish Poetry.—Historical grammar and paleography; interpretation of texts. *Twice a week*; *I*, *II*; (*I unit*). Professor FITZ-GERALD

[191. Fables and Bestiaries.—History of animal literature, especially the medieval French and Italian collection. *Twice a week*; *II*; (*I unit*). Not given, 1921-22.

Professor MCKENZIE]

195. Seminar.—Research work in preparation for theses in the field of Romance Languages. *I*, *II*; (*I unit*). Members of the department.

Summer Session Courses

A. FRENCH

51a. Elementary Course.—(4).

Assistant Professor CHEYDLEUR, Mr. HAUMONT, Miss BREATHWIT, Mrs. MILLS
Equivalent: French I or one year of high-school French.

S2a. Modern Prose and Drama.—(2).

Professor OLIVER

NOTE. Students who have had French S2a in a previous Summer Session with different reading will be admitted to this course for full credit, but must do additional work outside the class.

Superior students may earn three credits in this course by taking S4 in addition; they may earn four credits by taking S4 and doing supervised reading to the extent of one hour's credit.

Prerequisite: One year of college French or the consent of the instructor.

Equivalent: French 2a (in part).

S4. Advanced Grammar and Syntax.—Special attention to the chief difficulties of modern French syntax. This course is recommended to prospective teachers of French. (1).

Professor OLIVER

NOTE. See the note under S2a.

Prerequisite: One year of college French, or its equivalent, with minimum grade of B.

S7a. Intermediate Composition and Conversation.—Study and practise of idiomatic expression in speaking and writing. (2).

Mr. HAUMONT

Prerequisite: Two years of French or the consent of the instructor.

Equivalent: French 7a.

S9a. The French Novel of the Present Day.—Bourget; France; Loti; Bordeaux. Lectures. Outside reading. Reports. (2).

Assistant Professor CHEYDLEUR

Prerequisite: Two years of college French and the consent of the instructor.

Course for Graduates

A cycle of four courses dealing with French literature of the seventeenth, eighteenth, and nineteenth centuries, will be given in four successive summer sessions.

S123. Eighteenth Century French Drama.—Lectures and interpretations. Reports on assigned topics of investigation. (1 unit).

Professor OLIVER

Prerequisite: Three years of college French and the consent of the instructor.

B. SPANISH

S1a. Elementary Course.—Pronunciation, grammar, reading of easy prose. (4).

Mr. SOTO, Mr. BIANCHI

Equivalent: Spanish 1a, or one year of high-school Spanish.

S2a. Modern Spanish.—Rapid reading; review of grammar; composition. (2).

Assistant Professor VAN HORNE

NOTE: Students who have had Spanish S2a in a previous Summer Session with different reading will be admitted to this course for full credit, but must do additional work outside the class.

Prerequisite: One year of college Spanish or the consent of the instructor.

Equivalent: Spanish 2a (in part).

S6a. Spanish Elementary Conversation.—(1).

Mr. SOTO

Prerequisite: One year of college Spanish or the consent of the instructor.

S25. Methods of Teaching Spanish.—The teacher's preparation, problems of instruction, phonetics. (1).

Assistant Professor VAN HORNE

Courses for Graduates

A cycle of four courses, dealing with Spanish drama and prose of the seventeenth and nineteenth centuries, will be given in four successive summer sessions.

S123. Nineteenth Century Spanish Drama.—Lectures and readings. (1 unit).

Assistant Professor VAN HORNE

Prerequisite: Three years of college Spanish or the consent of the instructor.

SCANDINAVIAN

(See ENGLISH LANGUAGES AND LITERATURE.)

SOCIAL SCIENCES

(See ECONOMICS, HISTORY, POLITICAL SCIENCE, and SOCIOLOGY.)

SOCIOLOGY

Professor HAYES; Assistant Professor SUTHERLAND; Dr. RATCLIFFE, Dr. DUNCAN. Cooperating: Dr. WATKINS.

Major: Twenty hours from any courses offered in the department.

Minor: A minimum total of 20 hours from any two of the following subjects: History, economics, political science, philosophy, and psychology.

Courses for Undergraduates

1. The Principles of Sociology and Their Application to Present Problems.—*I* or *II*;
(3). Professor HAYES, Assistant Professor SUTHERLAND, Dr. RATCLIFFE, Dr. DUNCAN
Prerequisite: Junior standing.
7. The Social Problems of the Rural Community.—*II*; (2).
Professor HAYES, Dr. RATCLIFFE
Prerequisite: Junior standing.

Courses for Advanced Undergraduates and Graduates

2. Social Relations.—The facts of association, social suggestion, sympathetic radiation, imitation, prestige, assimilation, competition, conflict, dominance and submission, partisanship, loyalty, social approval and disapproval, altruism, justice; their results, institutions, customs, fashions, group consciousness, public opinion, public sentiment, collective will. *I*; (3).
Professor HAYES

Prerequisite: Sociology 1.

3. Social Evolution.—Antiquity of man, racial divisions, modes of social activity among savage, barbarous, and civilized peoples; family organization, practical arts, economic wants and institutions, origins of government and law, codes of morality, religions; inductions from such facts, as to the theory of social evolution and the method of progress. *II*; (3).
Professor HAYES

Prerequisite: Sociology 1.

8. Charities.—Evolution of modern organized philanthropy, public and private; causes and prevention of poverty; organization and management of charitable institutions *I*; (3).
Assistant Professor SUTHERLAND

Prerequisite: Sociology 1 or Economics 1; junior standing.

9. Criminology.—Nature, causes, and treatment of the criminal; evolution of modern methods of criminal procedure and penalty; recent experiments and tendencies. *II*; (3).
Assistant Professor SUTHERLAND

Prerequisite: Sociology 1; open without other prerequisite to pre-legal students who have senior standing.

10. Population.—Theories and policies of population; Malthus' Principle and its critics; problems in the population of the United States; immigration, race-mixture, conditions affecting public health, death-rate, birth-rate, "race-suicide," marriage, divorce; selective influences at work on the "population type." *I*; (3).
Assistant Professor SUTHERLAND

Prerequisite: Sociology 1 or Economics 1; senior standing.

14. Statistics and Methods of Research.—Methods of concrete investigation and research, principles of statistics and their application to the data furnished by official publications and special investigations; the statistical method applied to both theoretical and practical problems of sociology. *II*; (3).
Assistant Professor SUTHERLAND

Prerequisite: Sociology 1.

25. Morality as a Factor in Social Evolution and Social Organization.—A description of the contrasting moral codes of different social groups; a study of the degree to which the content of these codes is a product of the social evolution of the groups in which they prevail, and of the method of such evolution, as well as of the criteria by which different codes may be judged, including their effects upon other elements in the group life. *II*; (3).
Professor HAYES

Prerequisite: Sociology 1; senior standing.

41-42. Labor Problems.—The same as Economics 41, 42. *I, II*; (3).
Associate Professor WATKINS

Prerequisite: Senior standing, Economics 1, and three additional hours in economics for which Economics 1 is a prerequisite; or senior standing, Economics 1, and Sociology 1, for students whose major subject is sociology.

44. Socialism and Economic Reform.—The same as Economics 44. *II*; (3).
Associate Professor WATKINS

Prerequisite: Sociology 1; Economics 1, and 6 hours in history, for students whose major subject is Sociology; for all others Economics 1 and 3.

Courses for Graduates

Preparation for graduate work in sociology must include the equivalent of twelve semester hours in the social sciences, of which at least three must be in sociology, and three in the principles of economics. The remainder may be in any combination of these two subjects, or of history and political science.

100. **Bases of Social Theory.**—Systematic presentation and critical discussions. Professor HAYES
Twice a week; I; (½ to 1 unit).

101. **Sociological Method.**—Methods of advancing the science of sociology; adaptability to sociological investigation of methods described in Pearson's *Grammar of Science*, Wundt's *Methodenlehre*, zweite abtheilung, Seignobos' *La Methode Historique Applique aux Sciences Sociales*, Bernheim's *Historische Methode*, Spencer's *Study of Sociology*, and Giddings' *Inductive Sociology*. Professor HAYES
Two hours a week; I; (1 unit).

160. **Seminar.**—Detection and statement of problems. Preparation of thesis. Professor HAYES
I, II; (1 or 2 units).
 Assistant Professor SUTHERLAND, Mr. RATCLIFFE.

Summer Session Courses

Course for Undergraduates

S1. **The Principles of Sociology and Their Application to Present Problems.**—Text: E. C. Hayes' *Introduction to the Study of Sociology* (Appleton Co.) (3). Mr. RATCLIFFE
Prerequisite: Junior standing or equivalent.
Equivalent: Sociology 1.

Courses for Advanced Undergraduates and Graduates

S8. **Charities.**—Causes of dependence, development and character of modern philanthropic methods, study of typical charity case records, prevention of dependence. (3). Assistant Professor SUTHERLAND

Prerequisite: Sociology 1, or consent of the instructor.

Equivalent: Sociology 8.

S14. **Methods of Social Research.**—Particular emphasis on the social survey; social statistics; case studies and life records. (3). Assistant Professor SUTHERLAND

Prerequisite: Sociology 1, or consent of the instructor.

Equivalent: Sociology 14.

NOTE.—Courses S8 and S14 meet five times per week. Sufficient work will be assigned to entitle the student to three hours credit.

TRANSPORTATION

Mr. HERRMANN, Mr. MATHEWS.

Courses for Undergraduates

7. **Railway Organization.**—The departments of the American railway organization and their functions. *I, II; (2).*

Prerequisite: Junior standing, or sophomore standing with Accountancy 1.

8. **Elements of Railway Working.**—An outline of the routine work and the problems of the railways; preliminary to the more advanced courses. *I; (2).*

Prerequisite: Transportation 7.

[35a-35b. **Thesis.**—Investigation of problems in railway administration. Preliminary outline must be filed with the department by the second Friday in October, extended outline and bibliography by the second Friday in November, and a first draft of at least fifteen different pages of the thesis by the second Friday in January. *I, II; (2).* Not given in 1921-22.

Prerequisite: Full senior standing in railway administration or railway transportation.

Courses for Advanced Undergraduates and Graduates

1. **Transportation System of the United States.**—Its development and its relation to the public. *I or II; (3).*

Prerequisite: Junior standing with credit in Economics 1 or 2.

2. **Transportation Policy in Europe and in the United States.**—The regulation of transportation, particularly the railways, in the United States and in Europe. *II*; (3).

Prerequisite: Transportation 1.

12. **Freight Shipment.**—Conditions governing the shipment of freight by rail; routing of freight; freight claims; commission procedure. *II*; (2).

Prerequisite: Junior standing.

[13. **Railway Traffic Administration.**—Freight and passenger traffic management. *I*; (3). Not given in 1921-22.

Prerequisite: Transportation 7 and 8, or with the permission of the instructor; Transportation 12 along with credit or concurrent registration in Transportation 1.]

[17. **Railway Terminal Management.**—Freight and passenger terminals. *I*; (3). Not given in 1921-22.

Prerequisite: Transportation 7 and 8.]

[22. **Railway Train Service.**—The standard code of train rules; train dispatching; block-signaling; time-table construction. (An inspection trip to Chicago of four days' duration forms part of this course, Monday to Thursday, inclusive, preceding the Easter recess; expenses about \$18.00). *I*; (3). Not given in 1921-22.

Prerequisite: Transportation 7 and 8.]

[26. **The Economics of Railway Construction and Maintenance.**—*II*; (3). Not given in 1921-22.

Prerequisite: Transportation 7 and 8.]

Courses for Graduates

[101. **Railway Rate Policy.**—*Twice a week I*; (1 unit). Not given in 1921-22.]

[102. **The Fiscal Administration of American Railways.**—*Twice a week; II*; (1 unit). Not given in 1921-22.]

[103. **Foreign Railway Administration.**—*Twice a week; I*; (1 unit). Not given in 1921-22.]

[104b. **Standards of Railway Operation.**—The work of this course requires a cycle of three years for its completion, though credit will be given for each semester's work. 104a deals with organization and maintenance of standards, 104c with passenger service. *Once a week, or, at the option of the instructor, twice a week; II*; (1 unit). Not given in 1921-22.]

Summer Session Course

Course for Undergraduates

S1.—**Transportation System of the United States.**—The development and economic problems of railway and other transportation in the United States. (3).

Associate Professor WATKINS

Prerequisite: Economics 1; junior standing.

Equivalent: Transportation 1.

ZOOLOGY

Professors WARD, SMITH, ZELENY; Associate Professor SHELFORD; Assistant Professors VAN CLEAVE, ADAMS; Dr. KUDO, Dr. MOSS, Dr. HARRAH¹, Dr. HATHAWAY², Mr. THOMPSON, Mr. MAYHEW, Miss KARRER, Mr. THOMAS, Mr. TOWNSEND, Mr. HYATT, Mr. JOHNSON, Miss PROUT, Mr. AGERSBORG. Cooperating in Summer Session: Professor WILLARD.

Major: 20 hours from any courses offered in the department, excluding Zoology 1, and including Zoology 3, 4, and 5.

Minors: 20 hours chosen from two or three of the following subjects: animal husbandry (Animal Husbandry 30), bacteriology, botany, chemistry, entomology, physics, physiology, psychology, paleontology, and physiography.

Courses 1 and 2 constitute an introduction to later work in zoology. In the second year, a student may choose as a line of work either morphological, experimental, ecological, faunistic, or systematic courses. The courses on microscopical technic (3), heredity and evolution (5), and current investigations (20) are of value for all students. Medical students should take courses 3 and 6 the second year. Those preparing to teach zoology in the high school should take invertebrate morphology (4), field zoology (16, 17), and ecology (9, 11), and a course in general entomology.

¹Resigned October 1, 1921.

²Second Semester.

Courses for Undergraduates

1. **General Zoology.**—Animal biology; principles of structure; function, interrelations, origin, and development of animal life; the simpler and best-established generalizations in zoological theory. Lectures; laboratory; quiz work. *I* or *II*; (5).

Professor WARD, Associate Professor SHELFORD, Assistant Professors VAN CLEAVE and ADAMS, Dr. KUDO, and assistants.

2. **Vertebrate Zoology and Comparative Anatomy.**—Classification of the Chordata; early stages of vertebrate embryology; anatomy of systems of organs considered with regard to function, ontogeny, and evolution; dissection of types of Vertebrata. Lectures; laboratory; quiz work. *II*; (5). Assistant Professor ADAMS and assistants

Prerequisite: Zoology 1.

4. **Invertebrate Morphology.**—Morphology of a series of invertebrates; invertebrate structure and development; the application of biological principles. Laboratory; lectures; demonstrations. *II*; (3). Assistant Professor VAN CLEAVE

Prerequisite: Zoology 1.

5. **Heredity and Evolution.**—(a) The facts of heredity and present views regarding them. (b) The proofs of organic evolution with a discussion of the probable factors involved in the process. Lectures; demonstrations; assigned readings. *II*; (2).

Professor ZELENY

Prerequisite: One year of university work.

3. **Microscopical Technic and Vertebrate Embryology.**—Theory and practise of microscopical technic; fixation, staining, imbedding, section cutting and mounting material for use in the course; study of the early stages of vertebrate embryos. Lectures; laboratory; quizzes. *I*; (3). Professor ZELENY and assistant

Prerequisite: Zoology 1, 2.

6. **Vertebrate Organogeny.**—Development of the organs of the vertebrate body; studies of the embryos of dogfish, chick, and pig. Lectures; assigned reading; laboratory work. (Continuation of Zoology 3). *II*; (3). Dr. HATHAWAY and assistant

Prerequisite: Zoology 1, 2, 3.

9. **Animal Ecology.**—The relations of animals to their natural environments. Field and experimental work; lectures on the natural history of mammals, birds, reptiles, and amphibians. *II*; (3). Associate Professor SHELFORD

Prerequisite: One year of zoology or one and one-half years of university work, including Zoology 1.

16. **Economic Ornithology.**—Common birds of the vicinity. Identification; food relations; seasonal distribution; migration activities. Economic importance of birds and of their conservation. Lectures; assigned reading; two field trips per week during April and May in two two-hour periods as given in the schedule, or one four-hour trip on Saturday forenoon. *II*; (2). Professor SMITH and assistants

17. **Field Zoology.**—Collection, preservation, and identification of common representatives of the lower vertebrates and of the various groups of land and fresh-water invertebrates (excluding insects) in the vicinity; identification work on living and preserved material from larger rivers and lakes; observations on the habits and life histories of selected forms. Field and laboratory work; assigned readings. *I*; (4). Professor SMITH and assistant

Prerequisite: One year in zoology.

18. **Advanced Field Zoology.**—(A continuation of Zoology 17). Taxonomic or distributional problems in connection with the local fauna. *II*; (3 to 5).¹ Professor SMITH

Prerequisite: Zoology 17.

19a-19b. **Advanced Ornithology.**—(Continuation of Zoology 16.) Systematic and field work; economic and technical literature. *I, II*; (2 or 3).¹ *Time to be arranged.* Professor SMITH

Prerequisite: Zoology 16 or equivalent.

Courses for Advanced Undergraduates and Graduates

11. **Experimental Ecology and Geography.**—The physiology of environmental relations; analysis of behavior. World and regional aspects of behavior and ecology; animal distribution as related to climate and vegetation. *I*; (2 or 4).¹ Associate Professor SHELFORD

Prerequisite: One year of zoology and senior standing.

¹In registering for a course with variable credit hours, a student must put down on his study-list *not* the possible hours, as shown here, but the number of hours for which he intends to take the course; e.g., not 2-5 but 2, or 3, or 4, or 5.

63. Ontogeny of Vertebrates.—Comparative studies of germ layers and early organogeny, with plastic and graphic reconstructions. Based chiefly upon Elasmobranchs and Amphibians. Lectures¹; assigned readings; and laboratory work. (Open to seniors and graduates.) *I*; (2 or 4)¹. Time to be arranged. Professor ZELENY

66. Ontogeny of Vertebrates.—Studies of the development of selected systems of organs. Lectures, assigned readings, and laboratory work. Open to seniors and graduates. *II*; (2 or 4)¹. Time to be arranged. Dr. HATHAWAY

22-23. Morphology of Vertebrates.—Detailed studies of systems of organs from the comparative standpoint. Lectures; laboratory work; assigned readings. *I, II*; (2 to 4)¹. Time to be arranged. Assistant Professor ADAMS

Prerequisite: Zoology 1, 2, 3, 6.

21a-21b. Introduction to Zoological Research.—Morphology, life history, or reciprocal relations of invertebrates, especially parasites of man and other animals. Laboratory; conferences; assigned reading. *I, II*; (2-5)¹. Professor WARD

Prerequisite: One year in zoological courses, and senior standing.

20a-20b. Current Investigation.—A critical analysis of the results of recent zoological investigations. (Open to all students of zoology; should be taken by those intending to graduate with a thesis.) *I, II*; (1). Professor ZELENY

Prerequisite: Three years of university work, including one year in zoology.

8a-8b. Thesis Investigation.—Individual work on assigned topics. *I, II*; (5). Members of the department

Time to be arranged.

Prerequisite: Two years of zoology.

Courses for Graduates

Students entering on graduate study in the department of zoology should have had two years of undergraduate work in the subject. When chosen as a minor the courses listed for graduates and undergraduates must be preceded by at least one full year's undergraduate work in zoology. Work done at other institutions will be evaluated on conference with the head of the department.

102. Vertebrate Morphology.—The origin of vertebrates and of the different classes; the segmentation of the head, morphology of special systems. Lectures; required readings; discussions. *Twice a week; I*; ($\frac{1}{2}$ unit). Time to be arranged. Not given in 1921-22.

107. Parasitology.—Structure and life history of animal parasites; their relations to disease; origin and biological significance of parasitism. Conferences; assigned reading; demonstrations. *Twice a week; I, II*; (1 unit). Given in 1922-23 and alternate years.

Professor WARD

109-109a. Physiological Ecology.—The regulatory mechanism of organisms; neutrality, osmotic pressure, immunity and temperature in relation to natural environments. 109, *twice a week*; 109a, assigned readings and reports. *II*; ($\frac{1}{2}$ unit each). Time to be arranged. Given in 1922-23 and alternate years. Associate Professor SHELFORD]

110-110a. Economic Ecology.—Application of principles of physiology and ecology to problems of fisheries and pollution; quantity and weather; forestry and conservation. 110, *twice a week*; 110a, assigned reading and reports. *II*; ($\frac{1}{2}$ unit each). Time to be arranged. Given in 1921-22 and alternate years.

Associate Professor SHELFORD

111. Experimental Ecology.—The repetition of published experiments in physiology and ecology, and study of modern methods and apparatus. *I, II*; ($\frac{1}{2}$ to 2 units). Time to be arranged. Associate Professor SHELFORD

115. Factors of Individual and Racial Development.—Experimental embryology; regeneration; heredity; variation; evolution. *Twice a week; I, II*; (1 unit). Time to be arranged. Professor ZELENY

117. Faunistic Zoology.—Taxonomy and distribution with especial reference to the local fauna; laboratory and field work. *Three times a week; I*; (1 unit) *II*; ($\frac{1}{2}$ to 1 unit). Professor SMITH

127. Theories of Animal Phylogeny.—Relations of various groups of animals; significance of so-called intermediate forms; invertebrate larval forms and theories of descent based on them. *Once or twice a week; I, II*; (1 unit). Given in 1921-22 and in alternate years. Professor WARD

Individual Research Courses

121. Invertebrate Morphology and Parasitology.—Individual research course, *I, II*; (1 to 2 units). Time to be arranged. Professor WARD

¹In registering for a course with variable credit hours a student must put down on his study list, not the variable hours as shown here, but the number of hours for which he intends to take the course; e. g., not 2 or 4, but 2, or 4.

122. **Vertebrate Morphology.**—Individual research course.—*I, II; (1 to 2 units).*
Time to be arranged. Assistant Professor ADAMS
123. **Faunistic and Systematic Zoology.**—Individual research course.—*I, II; (1 to 2 units).* *Time to be arranged.* Professor SMITH
124. **Experimental Zoology.**—Individual research course.—*I, II; (1 to 2 units).* *Time to be arranged.* Professor ZELENY
125. **Animal Ecology and Behavior.**—Individual research course. *I, II; (1-2 units).*
Time to be arranged. Associate Professor SHELFORD

Summer Session Courses
 Courses for Undergraduates

- S1. **General Zoology.** Professor WILLARD, Dr. KUDO, Dr. HARRAH
Equivalent: Zoology 1, if for 5 hours' credit.
- S2. **Vertebrate Zoology and Comparative Anatomy.** Professor WILLARD, Dr. KUDO, Mr. HARRAH

Prerequisite: Zoology 1.
Equivalent: Zoology 2.

- S13. **Introduction to Field Zoology.**—Field work involving collection of common zoological materials and laboratory practise in methods of preserving, preparing, and demonstrating them for class use. (1). Dr. KUDO
Prerequisite: An introductory course in biology.

Courses for Advanced Undergraduate and Graduates

- S23. **Study of Protozoa.**—Morphology, development, and identification of Protozoa, both free-living and parasitic in fishes and invertebrates. Laboratory, and field work, review of literature, conferences. (2 to 5). Dr. KUDO
Prerequisite: Senior standing and one year in Zoology.
- S31. **Vertebrate Nervous System.**—Principles of neuro-histology. Application of experimental and physiological data. More important fiber tracts considered in relation to the reflex mechanisms to which they belong, with especial reference to the mammals and man. (2). Professor WILLARD
Prerequisite: Zoology 1 and 2, or their equivalent.

Course for Graduates

- S131. **Minute Structure of the Nervous System.**—Laboratory study of nervous tissue and the manner of its organization into nervous structures and sense organs. Demonstration and practise of some neuro-technical methods. ($\frac{1}{2}$ to 1 unit). Professor WILLARD

HUMAN ANATOMY

1. **Outline of General Structure.**—Detailed study of selected parts of skeletal and muscular systems; kinesiology; topographical anatomy; dissection; demonstration on human body. (For students in Athletic Coaching). Lecture, laboratory, quiz work. 1; (3). Assistant Professor ADAMS, Dr. MOSS

PART IV
THE UNIVERSITY PRESS

THE UNIVERSITY PRESS

DAVID KINLEY, Ph.D., LL.D., PRESIDENT OF THE UNIVERSITY

HARRISON EDWARD CUNNINGHAM, A.B., *Director of the University Press*

The University of Illinois Press was organized in 1918 to have charge of the work of editing, printing, and distributing the publications of the University.

The University of Illinois publishes, through its several departments and experiment stations, and the scientific bureaus located at the University,¹ the publications named below. A complete list of publications available for sale or free distribution (other than the Annual Register and the announcements of the colleges and schools) is issued by the University Library annually in July. Persons wishing to obtain any of the publications are requested to correspond with the department concerned or with the Director, 161 Administration Building. Libraries and institutions offering material of equivalent value may secure exchanges by corresponding with the University Librarian.

The list of series of publications is as follows:

AGRICULTURE:

- The Bulletin of the Agricultural Experiment Station.
- The Circular of the Agricultural Experiment Station.
- The Soil Report of the Agricultural Experiment Station.

ENGINEERING:

- The Bulletin of the Engineering Experiment Station.
- The Circular of the Engineering Experiment Station.
- The Ceramics Bulletin.

SCIENTIFIC BUREAUS:

- The Report of the State Entomologist.
- The State Laboratory of Natural History Bulletin.
- The Natural History Survey of Illinois.
- The State Geological Survey Bulletin.
- The State Geological Survey Monographs.
- The State Water Survey Bulletin.
- The Illinois Coal Mining Investigations Bulletin.

EDUCATION:

- The School of Education Bulletin.
- The Bulletins of the High-School Visitor's Office.
- The Bulletins of the Bureau of Educational Research.

ENGLISH:

- The Illinois Association of Teachers of English Bulletin.

LAW:

- The Law Bulletin.

GRADUATE SCHOOL:

- The Journal of English and Germanic Philology (quarterly, \$3.00 a year).
- The University Studies (occasional).
- The University of Illinois Studies in the Social Sciences (monographs, quarterly, \$3.00 a year).
- The University of Illinois Studies in Language and Literature (monographs, quarterly, \$3.00 a year).
- The Illinois Biological Monographs (quarterly, \$3.00 a year).

WAR AND RECONSTRUCTION:

- The War Bulletins and Circulares.

GENERAL:

In addition to the serials enumerated above, the University has published a number of books, among which may be mentioned the following:

- Alumni Record, 1913; 921 pages, \$2.50.
- Alumni Record, 1918; 1,147 pages, 9 plates, \$2.00.
- Directory of Matriculants, 1916; 35,000 names, 1,284 pages, \$5.00
- Konungs Skuggsja, the main MSS. of, in phototypic reproduction, with diplomatic text, 1915; 67 plates, 191 pages, \$15.00.

¹See pages 361-374

- The Genus *Phoradendron*, 1916; 224 pages, 245 plates, \$2.50.
- Semi-Centennial History of the University of Illinois, volume I, by Burt E. Powell, 1918; 631 pages, illust., cloth, \$2.00 and \$2.25; morocco, \$2.50.
- Sixteen Years at the University of Illinois, a statistical study of the administration of President Edmund J. James. 1920. 264 pages and 19 plates. \$2.50.
- Life of Columcille, compiled by Marus O'Donnell in 1532. Edited and translated by A. O'Kelleher and G. Schoepperle. Irish Foundation Series, I; 1918; 516 pages, paper, \$3.50; cloth, \$5.00.
- Municipal Documents and other Publications on Municipal Government in the University of Illinois Library, 1917; 49 pages, \$0.25.
- List of Serials in the University of Illinois Library, together with those in other libraries in Urbana and Champaign, 1911; 233 pages, \$1.20.
- State Documents for Libraries, 1915; 163 pages, \$0.75.
- The Life of the Pleistocene. By F. C. Baker. 1920. 500 pages, 56 plates, \$5.00.
- La Coleccion Cervantina de la Sociedad Hispánica de América (The Hispanic Society of America): Ediciones de Don Quijote. By Homero Seris, Ph.D.; 158 pages and 11 facsimiles, \$1.50.
- The Power of a God, and other plays, by T. H. Guild, 1919. 151 pages, 5 plates, \$1.25.
- The Pilgrim Tercentenary, 1920. 42 pages, \$0.50.

PART V
UNIVERSITY EXTENSION

UNIVERSITY EXTENSION

Extension work has not been organized as a separate administrative unit in the University of Illinois. Several departments, however, have initiated activities, both on the campus and in the State at large, which serve to make some of the facilities of the University available to groups of mature persons who are engaged in various industries and professions.

AGRICULTURE

Each of the departments of the College of Agriculture does extension work and so far as possible provides special men for this purpose. In addition to this, a separate service known as Agricultural College Extension offers courses in the principles and methods of extension work (see page 363), conducts the extension enterprises that do not deal with technical subjects, and cooperates with the other departments in projecting their work in the State.

Some of the more general College extension enterprises are:

(1) A two-weeks' course in agriculture, known as the Corn Growers' and Stockmen's Convention, held annually at the College of Agriculture since 1898. The work includes lectures, conferences, and demonstrations in the subject of stock-judging, milk-testing, farm mechanics, and farm crops.

(2) Agricultural extension schools of a week's duration.

(3) Demonstrations held in connection with soil-fertility and crop fields throughout the State.

(4) Cooperation, by furnishing teachers and lecturers, with other educational agencies for rural communities, e.g., farmers' institutes, special lecture railway trains, the Boys' State Fair School.

(5) Educational exhibits at fairs and expositions.

(6) School and community excursions to the University.

For the Cooperative Extension Service in agriculture and home economics conducted by the University of Illinois and the United States Department of Agriculture, under the provisions of the Federal Smith-Lever Act of May 8, 1914, see pp. 355-359.

CERAMIC ENGINEERING

In addition to the regular four-year technical curriculum, the department of ceramic engineering cooperates with the clay and allied industries by offering biannually, at Urbana, during the second semester, a two weeks' industrial course in the principles underlying the manufacture of ceramic products, for those who have not the time nor the preparation required for academic studies. The work includes lectures, laboratory work, practise in firing kilns, and informal gatherings for question-asking. A common-school education is sufficient to enable one to do the work of this course. No charge of any kind is made. The number enrolled in January, 1915, was 47; in January, 1916, 25; in January, 1918, 27; not held in 1919; in March, 1920, 31.

COOPERATIVE EXTENSION SERVICE

University of Illinois and United States Department of Agriculture Under the Smith-Lever Act

EUGENE DAVENPORT, M.Agr., LL.D., *Director of Agricultural Extension Service*

Agriculture

WALTER FREDERICK HANDSCHIN, B.S., *Vice Director of Extension Service*

GEORGE NELSON COFFEY, Ph.D., *State Leader of County Farm Advisers*

JAMES DATER BILSBORROW, B.S., *Assistant State Leader of County Farm Advisers*

CHARLES AUSTIN ATWOOD, B.S., *Assistant State Leader of County Farm Advisers*

VERNE VANIMAN, B.S., *Assistant State Leader of County Farm Advisers*

JOHN CLYDE SPITLER, B.S., *Assistant State Leader of County Farm Advisers*

ROSE DORIS BRIEM, A.B., *Specialist in Office Organization and Management*
 JAMES HOWELL BALDWIN, *State Leader, Junior Extension*
 HARRIET MURIEL PHILLIPS, B.S., *Assistant State Leader, Junior Extension*
 HERBERT FREDERICK WOLTER, B.S., *Assistant State Leader, Junior Extension*

Departmental Specialists

Agronomy

FREDERICK CHARLES BAUER, Ph.D., *Associate Professor, Soils Extension*

JAY COURTLAND HACKLEMAN, B.S., A.M., *Associate Professor, Farm Crops Extension*

Animal Husbandry

WILLIAM HERSCHEL SMITH, M.S., *Associate Professor, Animal Husbandry Extension*

Dairy Husbandry

CHRIS SIMEON RHODE, B.S., *Assistant Professor, Dairy Husbandry*

Farm Organization and Management

RAYMOND LESLIE DONOVAN, B.S., *Assistant Professor, Farm Organization and Management Extension*

FOSTER FLOYD ELLIOTT, M.S., *Associate, Farm Organization and Management Extension.*

Horticulture

WILLIAM SANFORD BROCK, B.S., *Assistant Professor, Horticulture Extension*

County Farm Advisers

	County
F A Gougler, M.S.	Adams
Charles Tarble, B.S.	Bond
J C Kline, B.S.	Boone
A E Davidson, B.S.	Brown
W W Wilson, B.S.	Bureau
J H Allison, B.S.	Calhoun
G R Bliss, B.S.	Carroll
R W Dickenson, B.S.	Cass
C H Oathout, B.S.	Champaign
C E Hay, B.S.	Christian
E H Walworth, M.S.	Clark
W E Hart, B.S.	Clay
C H Rehling, B.S.	Clinton
Melvin Thomas, B.S.	Coles
L L Heller, B.S.	Cook
C C Logan, B.S.	Crawford
C B Price, B.S.	Cumberland
T H Roberts, B.S.	DeKalb
E T Robbins, B.S.	DeWitt
F W Garrett, B.S.	Douglas
E A Carncross, M.S.	DuPage
Enos Waters, B.S.	Edgar
H R Pollock, B.S.	Edwards
J L Gardner, B.S.	Effingham
F C Hersman, B.S.	Ford
H A deWerff, B.S.	Franklin
J R Shinn, B.S.	Fulton
C W Simpson, B.S.	Gallatin
E M Phillips, B.S.	Greene
F E Longmire, M.S.	Grundy
J H Lloyd, B.S.	Hancock
F M Bane, B.S.	Henderson
L W Wise, B.S.	Iroquois
C J Thomas, B.S.	Jackson
Bertram Abney, B.S.	Jefferson
R L Eyman, B.S.	Jersey
C C Burns, B.S.	JoDavies
J G McCall, B.S.	Johnson
W B Richards, B.S.	Kane
J S Collier, M.S.	Kankakee

Earl Price, B.S.	Kendall
E M D Bracker, B.S.	Knox
C E Wheelock, B.S.	Lake
I S Brooks, B.S.	LaSalle
H C Wheeler, B.S.	Lawrence
L S Griffith, B.S.	Lee
H O Allison, M.S.	Livingston
Sidney B Smith, B.S.	Macon
E W Rusk, B.S.	Macoupin
Alfred Raut, B.S.	Madison
F J Blackburn, B.S.	Marion
F E Fuller, B.S.	Marshall-Putnam
T R Isaacs, B.S.	Mason
O M McGhee, B.S.	Massac
R C Doneghue, M.S.	McDonough
A J Gafke, B.S.	McHenry
Harrison Fahrnkopf, B.S.	McLean
C A Hughes, B.S.	Menard
P S Richey, B.S.	Mercer
Alfred Tate, B.S.	Monroe
A E Snyder, B.S.	Montgomery
G B Kendall, B.S.	Morgan
A L Higgins, B.S.	Moultrie
G T Snyder, B.S.	Ogle
W E Hedgcock, B.S.	Peoria]
J W Watson, B.S.	Piatt
Otis Kercher, B.S.	Pike
L Kimmel, B.S.	Pope
W R Eastman, B.S.	Pulaski
C W McWilliams, B.S.	Randolph
H B Piper, B.S.	Richland
P R Edgerton, B.S.	Rock Island
J E Whitchurch, B.S.	Saline
I A Madden, B.S.	Sangamon
G E Gentle, B.S.	Schuyler
G H Husted, B.S.	Scott
C H Belting, B.S.	Shelby
B W Tillman, B.S.	St. Clair
E E Brown, M.S.	Stark
G F Baumeister, B.S.	Stephenson
C G Starr, B.S.	Tazewell
J J Doerschuk, B.S.	Union
Arthur Lumbrick, B.S.	Vermilion
F A Fisher, B.S.	Wabash
Ralph Wells, B.S.	Warren
C T Hufford, B.S.	Wayne
E W Creighton, B.S.	White
J F Hedgcock, B.S.	Will
W K Galeener, B.S.	Williamson
C H Keltner, A.B.	Winnemago
M L Mosher, M.S.	Woodford

Under the provisions of the Smith-Lever Act, approved by the President of the United States on May 8, 1914, and the terms of its acceptance by the State of Illinois, the University becomes cooperatively responsible for a system of demonstration service designed to combine the results of scientific discovery with the most approved practise on the farms and in the households of the State.

The most important lines of work undertaken under this act are as follows:

- (1) Cooperation with county farm bureaus in the employment of agricultural advisers.
- (2) Cooperation with county home improvement associations in the employment of a woman adviser.
- (3) Employment of extension specialists in agriculture and home economics as special advisers in the field.

HOME ECONOMICS EXTENSION

RUTH A WARDALL, A.M., *Vice Director of Home Economics Extension*
 JULIET LITA BANE, A.M., *State Leader in Home Economics Demonstration*
 MABEL WILKERSON, Ph.B., *Assistant State Leader in Home Economics Demonstration*
 FERNE HARRIS, A.B., *Assistant State Leader in Home Economics Demonstration*
 KATHRYN G VAN AKEN, A.B., *Assistant State Leader in Home Economics Demonstration*

Departmental Specialists

Food

BONNIE E. SCHOLES, A.M., *Food Specialist*

Child Feeding

ROSEMARY LOUGHLIN, M.S., *Child Feeding Specialist*

Health

FANNIE MARIA BROOKS, A.B., R.N., *Assistant Professor (On Leave)*

Clothing

MARGIA HAUGH, Ph.B., *Clothing Specialist*

Home Management

MARJORIE SIMS, A.M., *Home Management Specialist*

County Advisers

Mary A McKee, A.B.	Adams
Agnes Hitt, A.B.	Champaign
Edna Truman, B.S.	Coles
Mary A McKee, A.B.	Adams
Agnes Hitt, A.B.	Champaign
Edna Truman, B.S.	Coles
Eleanor Chandler, A.M.	Hancock
Myrtle Weldon, A.M.	Kane
Anna Olsen, Ph.B.	Kankakee
Zelma Monroe, B.S.	La Salle
Florence Swan, A.B.	Livingston
Edna Danner, B.S.	Logan
Lilla Harkins, M.S.	Macon
Mary B Dalbey (Mrs.), B. S.	McHenry
Clara Brian, A.M.	McLean
Mary H Schouten, B.S.	Mercer
Lucile Allen, B.S.	Rock Island
Emma Wright, A.B.	Saline
Caroline Rogers, A.B.	Tazewell
Emma De Witt, A.B.	Vermilion
Stella Hutson, B.S.	Williamson

The service in home economics may be classified as follows:

1. *Correspondence*—Correspondence forms one of the direct channels through which the latest scientific facts can be passed from the Department to the general public. The women of the state are availing themselves of this opportunity in ever increasing numbers so that this division of the work forms a very important part of the service which the University renders.

2. *Service for Organizations*—Many organizations carrying on work relating to home economics have been given assistance by means of lectures, demonstrations, and study programs.

Through the following organization 380,160 people were reached during the year:	
Boys' and Girls' Clubs	Farmers' Institutes
Catholic Woman's Clubs	Home Bureaus
Civic Leagues	Household Science Clubs
Colleges	Interstate Soy Bean Growers Association
Community Fairs	Parent-Teachers' Associations
Community High Schools	Social Science Clubs
Community Clubs	State Federation of Women's Clubs
County Fairs	Teachers' Institutes
County Teachers' Associations	Township High Schools
Farm Bureaus	Woman's Clubs

3. *Movable Schools*—The extension division of home economics in so far as possible provides instruction upon request for a movable school in any community which is sufficiently interested to pay the local expenses and the traveling and living expenses of a specialist from the extension staff for one week. In the counties which have a Home Bureau organization a similar service is given, where application is made through the Adviser, but without cost to the organization except for local expenses. During the year 1920-1921, 76 weeks of movable schools served 7,709 people.

4. *Press*—The press of the State has been most helpful. The local papers in the 18 counties in which Home Bureaus have been established have been especially loyal in their cooperation. The activities of the Home Bureau have been given wide publicity through various farm journals.

Eleven of the Home Bureau organizations print a monthly news sheet which is mailed to the members of the organization. The remaining seven send a mimeographed sheet to their members.

The Extension News, issued monthly by the Home Economics Extension Staff, is sent to the advisers and to the members of the executive boards in each Home Bureau organization.

5. *Home Bureaus*—As a direct result of interest in home economics created by instruction from this department in former years and the intensive service made possible through the War Emergency fund, the Home Bureau has been established in 18 counties.

Through the various Home Bureau activities, the county advisers, assisted by the staff of specialists, 1920-1921, instructed 303,943 women and girls.

The Home Bureau cooperates with the Federal Department of Agriculture and the University of Illinois for the development of better living conditions. It provides a local fund of \$1,500 to equal the Federal Grant for financing the work in the county. The extension division of the home economics department acts in an advisory capacity as to the subject matter taught. The Executive Board of the Bureau elects its adviser from a group of candidates recommended by the appointments committee of the extension department and provides groups of members who will demonstrate in their homes the instruction given by the adviser. The Home Bureau thus forms the link by which the findings of the laboratory are made operative in the homes of the people.

PART VI
EXPERIMENT STATIONS AND OTHER
SCIENTIFIC BUREAUS

THE AGRICULTURAL EXPERIMENT STATION

DAVID KINLEY, Ph.D., LL.D., PRESIDENT OF THE UNIVERSITY

STAFF¹

EUGENE DAVENPORT, M.Agr., LL.D., *Director*
STEPHEN ALFRED FORBES, Ph.D., *Consulting Entomologist*
ANNA CUSHMAN GLOVER, *Secretary*
FLORENCE E SMITH, B.S., *Chief Editorial Assistant*

In Agronomy

WILLIAM LEONIDAS BURLISON, Ph.D., *Head of Department, Chief in Crop Production*
LOUIE HENRIE SMITH, Ph.D., *Chief, Publications on Soil Survey*
JEREMIAH GEORGE MOSIER, B.S., *Adviser, Identification of Soil Types*
ALBERT LEMUEL WHITING, Ph.D., *Chief, Soil Biology*
ERNEST E DeTURK, Ph.D., *Assistant Chief, Soil Technology*
RAYMOND STRATTON SMITH, Ph.D., *Assistant Chief, Soil Physics*
HOWARD JOHN SNIDER, M.S., *Assistant Chief, Soil Survey Experiment Fields*
CLYDE MELVIN WOODWORTH, Ph.D., *Assistant Chief, Plant Breeding*
ORLAND I ELLIS, B.S., *Assistant Chief, Soil Survey Mapping*
THOMAS EVERETT RICHMOND, M.S., *Associate, Soil Biology*
MICHAEL IVANOVITCH WOLKOFF, Ph.D., *Associate, Soil Survey Analysis*
GEORGE HARLAN DUNGAN, M.S., *Associate, Crop Production*
JOHN PIEPER, M.S., *Associate, Crop Production*
DAVID CLEVELAND WIMER, B.S., *Associate, Soil Physics*
JOHN WOODARD, M.S., *Associate, Soil Survey Mapping*
WALTER SCOTT MALLOCH, M.S., *Associate, Plant Breeding*
ROBERT WALT STARK, B.S., *First Assistant, Crop Production*
CLYDE MAURICE LINSLEY, B.S., *First Assistant, Soil Survey Experiment Fields*
VICTOR ELWIN SPENCER, B.S., *First Assistant, Soil Fertility*
ALVA HUGO KARRAKER, B.S., *First Assistant, Soil Survey Experiment Fields*
WENDELL PHILLIPS HILTABRAND, B.S., *First Assistant, Soil Survey Mapping*
JOSHUA CLAYTON ANDERSON, B.S., *First Assistant, Soil Fertility*
JOHN LAMB, JR., B.S., *First Assistant, Soil Survey Experiment Fields*
HENRY GEORGE MARTIN JACOBSON, B.S., *First Assistant, Soil Survey Experiment Fields*
ROYLE PRICE THOMAS, B.S., *First Assistant, Soil Survey Experiment Fields*
GEORGE VANDER VEEN, B.S., *First Assistant, Soil Survey Analysis*
JOHN WENDELL ANDREWS, B.S., *First Assistant, Soil Survey Analysis*
SIDNEY SYLVESTER CARNEY, B.S., *Assistant, Crop Production*
MARION BOYER HARLAND, B.S., *Assistant, Soil Physics*
ETHAN ARLO NORTON, B.S., *Assistant, Soil Survey Mapping*
CARROLL JOHN BADGER, B.S., *Assistant, Soil Survey Experiment Fields*
FLOYD HAMILTON CRANE, B.S., *Assistant, Soil Fertility*
ALVIN LEONARD LANG, B.S., *Assistant, Soil Survey Experiment Fields*
ALFRED U THOR, B.S., *Assistant, Soil Survey Experiment Fields*
MASON A HEIN, B.S., *Assistant, Soil Survey Experiment Fields*
ARTHUR LOWELL PRICE, B.S., *Assistant, Soil Survey Mapping*
BRUCE BYRNE CLARK, B.S., *Assistant, Soil Survey Mapping*
IRA OTHO COPES, B.S., *Assistant, Soil Survey Mapping*

¹The Station Staff includes only those scientific workers who have been recommended by the President and appointed by the Board of Trustees.

In Animal Husbandry

HERBERT WINDSOR MUMFORD,¹ B.S., *Chief, Animal Husbandry, Head of Department*
 HENRY PERLY RUSK, M.S., *Chief, Cattle Husbandry, Acting Head of the Department*
 HARRY SANDS GRINDLEY,² D.Sc., *Chief, Animal Nutrition*
 JAMES LLOYD EDMONDS, B.S., *Chief, Horse Husbandry*
 JOHN A DETLEFSEN, D.Sc., *Chief, Genetics*
 ROBERT GRAHAM, D.V.M., B.S., *Chief, Animal Pathology and Hygiene*
 WILLIAM HERSCHEL SMITH, M.S., *Associate Professor, Animal Husbandry Extension*
 HAROLD HANSON MITCHELL, Ph.D., *Associate Chief, Animal Nutrition*
 ELMER ROBERTS, Ph.D., *Assistant Chief, Genetics*
 ROSCOE RAYMOND SNAPP, M.S., *Assistant Chief, Cattle Husbandry*
 SLEETER BULL, M. S., *Assistant Chief, Meat*
 JOHN BENJAMIN RICE, B.S., *Associate, Swine Husbandry*
 WILLIAM GARFIELD KAMMLADE, M.S., *Associate, Sheep Husbandry*
 IVAN BERTRAND BOUGHTON, D.V.M., *Associate, Animal Pathology*
 CHALMERS WOODRUFF CRAWFORD, B.S., *Associate, Animal Husbandry*
 HARRY EDWARD BIESTER, D.V.M., *Associate, Animal Pathology*
 SIVERT ERIKSON, D.V.M., *Associate, Animal Pathology*
 EDGAR H BARGER, D.V.M., *Assistant, Animal Pathology*
 MARY HELEN KEITH, B.S., A.M., *First Assistant, Animal Nutrition*
 THOMAS SHERMAN HAMILTON, B.S., *First Assistant, Animal Nutrition*
 NAO UYEI, B.S., *Assistant, Animal Nutrition*
 FORREST EVERETT KENDALL, B.S., *Assistant, Animal Nutrition*
 JOHN BABCOCK BAKER, B.S., *Assistant, Animal Nutrition*

In Dairy Husbandry

HARRISON AUGUST RUEHE, Ph.D., *Chief, Dairy Manufactures, Head of Department*
 MARTIN JOHN PRUCHA, Ph.D., *Chief, Dairy Bacteriology*
 WALTER LEE GAINES, Ph.D., *Chief, Milk Production*
 OLIVER RALPH OVERMAN, Ph.D., *Assistant Chief, Dairy Chemistry*
 WILLIAM WODIN YAPP, M.S., *Assistant Chief, Dairy Cattle*
 CHRIS SIMEON RHODE, B.S., *Assistant Chief, Dairy Husbandry Extension*
 WILLIAM BARBOUR NEVENS, Ph.D., *Assistant Chief, Dairy Nutrition*
 ARTHUR SAMUEL AMBROSE, B.S., *Associate, Dairy Manufactures*
 MASON HERBERT CAMPBELL, M.S., *Associate, Dairy Husbandry*
 JAMES MARSHALL BRANNON, Ph.D., *Associate, Dairy Bacteriology*
 HARRY ALBERT ROSS, B.S., *Associate, Dairy Economics*
 BENJAMIN ANDREW STIRITZ, B.S., *Associate, Dairy Manufactures*
 PAUL HUBERT TRACY, B.S., *Assistant, Dairy Manufactures*
 HUGH FISHER HALL, B.S., *Assistant, Dairy Economics*
 FRED ALEXANDER DAVIDSON, B.S., *Assistant, Dairy Husbandry*

In Farm Mechanics

EMIL W LEHMANN, E.E. A.E., *Chief, Farm Mechanics, Head of the Department*
 RAY IRIS SHAWL, M.S., *Assistant Chief, Farm Mechanics*
 CARL A SCHOLL, B.S., *Associate, Farm Mechanics*
 JOHN H HEDGCOCK, B.S., *Instructor, Farm Mechanics*

In Farm Organization and Management

WALTER FREDERICK HANDSCHIN, B.S., *Chief, Farm Organization and Management, Head of the Department*
 EMIL RAUCHENSTEIN, B.S., *Assistant Chief, Farm Operation*
 WALTER JOHN ROTH, B.S., *Associate, Farm Accounting*
 CLARENCE ALFRED BONNEN, B.S., *Assistant, Farm Operation*
 LENA CECELIA RHUE, B.S., *Assistant, Farm Accounting*
 MALCOLM HAMILTON WATSON, B.S., *Field Assistant, Farm Accounting*
 GEORGE WEBBER SCHRIDER, B.S., *Assistant, Farm Accounting*
 DEE SMALL, B.S., *Field Assistant, Farm Accounting*

¹On leave of absence until March, 1922²On leave.

In Horticulture

JOSEPH CULLEN BLAIR, M.S., D.Sc., *Chief, Horticulture, Head of the Department*
 JOHN WILLIAM LLOYD, Ph.D., *Chief, Olericulture*
 CHARLES SPENCER CRANDALL, M.S., *Chief, Plant Breeding*
 HERMAN BERNARD DORNER, M.S., *Chief, Floriculture*
 BETHEL STEWART PICKETT, M.S., *Chief, Pomology*
 ARTHUR SAMUEL COLBY, Ph.D., *Associate Chief, Pomology*
 WARREN ALBERT RUTH, Ph.D., *Assistant Chief, Pomological Physiology*
 HARRY WARREN ANDERSON, Ph.D., *Assistant Chief, Pomological Pathology*
 PHILLIP AUGUSTUS LEHENBAUER, Ph.D., *Assistant Chief, Plant Physiology*
 CHARLES BOVETT SAYRE, B.S., *Assistant Chief, Olericulture*
 JAMES HUTCHINSON, *Associate, Floriculture*
 STANLEY WILLIAM HALL, B.S., *Associate, Floriculture*
 WALTER A HUELSEN, B.S., *Associate, Olericulture*
 CHARLES SHERMAN DALE, B.S., *Associate, Olericulture*
 ALFRED CHARLES VOGELE, M.S., *Associate, Pomology*
 ZENAS HARRY MOHLMAN, B.S., *First Assistant, Floriculture*
 EMIL FREDERICK GUBA, B.S., *Assistant, Pomology*
 FREDERICK ELMER CARVER, B.S., *Assistant, Pomology*
 FRANK WILSON NEWTON, *Assistant, Pomology*
 ISABEL MILDRED MARQUEDANT, B.S., *Assistant, Plant Breeding*

By an act approved March 2, 1887, the national government appropriated \$15,000 a year to each state for the purpose of establishing and maintaining, in connection with the colleges founded upon the congressional act of 1862, agricultural experiment stations, "to aid in acquiring and diffusing among the people of the United States useful and practical information on subjects connected with agriculture, and to promote scientific investigation and experiment respecting the principles and applications of agricultural science." Under this provision the *Agricultural Experiment Station of the University of Illinois* was founded in 1888 and placed under the direction of the Trustees of the University; a part of the University farm, with buildings, was assigned for its use.

The federal grant has since been increased to \$30,000 a year. This is supplemented by state appropriations which make an aggregate fund of nearly a quarter of a million dollars devoted to research in agriculture.

Investigations are conducted in the growing and marketing of orchard fruits, the methods of production of meats and of dairy goods, the principles of animal breeding and of nutrition, and the improvement of the economic production of crops. All the principal types of soil of the State are being studied in the laboratory under glass and in the field. A soil survey is in progress which when finished will map and describe the soil of every farm of the State down to an area of ten acres. Between forty and fifty fields and orchards are operated in various portions of the State for the study of local problems, and assistants are constantly on the road to conduct experiments or to give instruction to producer or consumer. The results of investigation are published in bulletins, which are issued in editions of 40,000 and distributed free of charge.

Much of this work is of interest to students, especially of graduate grade, and it is freely available for this purpose, so far as is consistent with the interests of the Station.

THE ENGINEERING EXPERIMENT STATION

DAVID KINLEY, Ph.D., LL.D., PRESIDENT OF THE UNIVERSITY

EXECUTIVE STAFF

CHARLES RUSS RICHARDS, M.E., M.M.E., D.Eng., *Director*
MATTHEW RUTHERFORD RIDDELL, B.A.Sc., *Assistant to the Director*
SAMUEL WILSON PARR, M.S., *Professor of Applied Chemistry*
THE HEADS OF THE DEPARTMENTS OF THE COLLEGE OF ENGINEERING

RESEARCH CORPS

HERBERT FISHER MOORE, B.S., M.E., M.M.E., *Research Professor of Engineering Materials*
ALONZO PLUMSTED KRATZ, B.S., M.S., *Research Professor of Mechanical Engineering*
WILBUR M WILSON, B.M.E., M.M.E., C.E., *Research Professor of Structural Engineering*
FRANK ERWIN RICHART, B.S., M.S., *Research Assistant Professor of Theoretical and Applied Mechanics*
JOSEPH T TYKOCINER, E.E., *Research Assistant Professor of Electrical Engineering*
ARTHUR JOSEPH HOSKIN, B.S., M.E., *Research Assistant Professor of Mining Engineering*
VINCENT STEPHEN DAY, B.S., *Special Research Assistant Professor of Mechanical Engineering*
THOMAS McLEAN JASPER, B.S., M.S., C.E., *Special Research Assistant Professor of Engineering Materials*
ELMER NEWMAN BUNTING, B.S., Ph.D., *Research Associate in Ceramic Engineering*
CRANDALL ZACHARIAH ROSECRANS, B.S., M.S., *Research Assistant in Mechanical Engineering*
GEORGE THEODORE FELBECK, B.S., M.S., *Research Assistant in Mechanical Engineering*
JOHN PATRICK MULLEN, B.Eng., *Research Assistant in Refrigeration*
FLOYD BEATTY HOBART, B.S., M.S., *Research Assistant in Chemical Engineering*
REX LENOI BROWN, B.S., M.S., *Research Assistant in Theoretical and Applied Mechanics*
JOHN WILL HARSCH, B.S., *Special Research Assistant in Engineering Materials*
FRANCIS McMURTRIE HOWELL, B.S., *Special Research Assistant in Engineering Materials*
GEORGE REED SHELTON, A.B., M.S., *Temporary Research Graduate Assistant in Ceramic Engineering*
ERNEST EDWIN MICHAELS, B.S., *Research Graduate Assistant in Civil Engineering*
KOPPEL SCHAPIRO, B.S., *Research Graduate Assistant in Civil Engineering*
OTIS GAYLE STEWART, B.S., *Research Graduate Assistant in Mining Engineering*
GEORGE TOEL LORANCE, B.S., *Research Graduate Assistant in Physics*
NORMAN BOYNTON GREEN, A.B., *Research Graduate Assistant in Theoretical and Applied Mechanics*
RICHARD W WESTERMAN, B.S., *Research Graduate Assistant in Gas Engineering*

The Engineering Experiment Station of the University of Illinois is an organization within the College of Engineering. It was created by an act of the Board of Trustees on December 8, 1903, to stimulate and to elevate engineering education and to investigate problems of special importance to professional engineers and to the manufacturing, railway, mining, and other industrial interests of the State and of the country. The knowledge thus obtained is made available through the publication of bulletins presenting the results of original research, and of circulars containing compilations of important information not otherwise readily accessible to the interests to be served.

The control of the Station is vested in an Executive Staff composed of the Director and his Assistant, the Heads of the several departments of the College of Engineering, and the Professor of Industrial Chemistry. This staff is responsible for the establishment of general policies governing the work of the Station, including the approval of material presented for publication. While all members of the teaching staff of the College are encouraged to engage in scientific research, it is conducted chiefly by the Research Corps composed of full-time research assistants, research graduate assistants and special investigators. Those employed for special investigations are engaged for a limited time on a single problem.

The University of Illinois now maintains fourteen Research Graduate Assistantships in the Engineering Experiment Station. In addition, two Research Graduate Assistantships in Gas Engineering have been established under the patronage of the Illinois Gas Association. These Assistantships are open to graduates of approved American and foreign universities and technical schools, who are prepared to undertake graduate study in engineering, physics, or applied chemistry. Each assistantship carries a stipend of five hundred dollars and freedom from tuition, incidental, and laboratory fees. Appointment to these positions must be accepted for two consecutive collegiate years, at the expiration of which period, if all requirements have been met, the degree of Master of Science will be conferred. Not more than half of the time of these assistants, during ten months of each year, is required in connection with the work of the department to which they are assigned; the remainder is available for graduate study.

Information concerning the opportunities for graduate study in engineering will be found in the circular of the Graduate School, which may be obtained upon request to the Dean of the Graduate School. Further details regarding appointment to the Research Graduate Assistantships will be supplied upon request by the Director of the Engineering Experiment Station.

The Station has already published 120 bulletins and eight circulars. All these publications are regarded as contributions to the literature of engineering, and many of them present important additions to the science of engineering. All publications are distributed free to those persons who are on the regular mailing list of the Station, and to others upon request. After the number of copies of a particular bulletin, however, has been reduced to an established limit, a small charge is made for each of those remaining for distribution. A charge is made for duplicate copies of a particular bulletin when these are requested by an individual, unless in special cases it is deemed advantageous to the Station to furnish such duplicates free. When ordered in large quantities, a special rate for bulletins may be made by the Director.

Upon request to the Director, the name of any person who desires to receive the publications of the Engineering Experiment Station, as they are issued, will be added to the regular mailing list. A complete list of the publications will be sent to anyone who may desire it.

Cooperative Investigations.—In addition to the research work conducted with the funds assigned to the Engineering Experiment Station by the University, a number of cooperative investigations have been undertaken with funds supplied by outside agencies which are chiefly interested in a particular investigation. In undertaking such investigations, the University reserves the right to control the results secured and to publish them for the information and benefit of the public. The funds for such cooperative investigations are paid to the University and are administered by it for the special purpose for which they are provided.

The following important cooperative investigations are now in progress:

1. An investigation of chilled iron car wheels in cooperation with the Association of Manufacturers of Chilled Car Wheels.
2. An investigation of stresses in railroad track in cooperation with the American Society of Civil Engineers and the American Railway Engineering Association.
3. An investigation of the coking of coal in cooperation with Mr. A. T. Hert of the American Creosoting Company, Louisville, Kentucky.
4. An investigation of problems in the mining of coal in cooperation with the United States Bureau of Mines and the State Geological Survey Division. (See statement concerning cooperative investigation of problems of Illinois mineral industries on page 374.)
5. An investigation of warm air furnaces and furnace heating in cooperation with the National Warm Air Heating and Ventilating Association.
6. An investigation of the fatigue phenomena of metals in cooperation with the Engineering Foundation and the National Research Council.

BOARD OF NATURAL RESOURCES AND CONSERVATION

OF THE DEPARTMENT OF REGISTRATION AND EDUCATION

STATE OF ILLINOIS

Members

Ex-Officio—W H H MILLER, *Director, Department of Registration and Education*
Ex-Officio—KENDRIC C BABCOCK, Ph.D., LL.D., *Dean, College of Liberal Arts and Sciences,
Representing the President of the University of Illinois*
Chemistry—WILLIAM A NOYES, Ph.D., LL.D., *Professor of Chemistry, University of Illinois*
Engineering—JOHN W ALVORD, C.E., *Consulting Engineer, Chicago*
Geology—ROLLIN D SALISBURY, A.M., LL.D., *Professor of Geology, University of Chicago*
Forestry—JOHN M COULTER, Ph.D., *Professor of Botany, University of Chicago*
Biology—WILLIAM TRELEASE, Sc.D., LL.D., *Professor of Botany, University of Illinois*

Under an Act of the General Assembly entitled "The Civil Administrative Code" the functions and duties formerly exercised by the Scientific Bureaus located at the University of Illinois, were vested in the Department of Registration and Education with the proviso that they continue to be exercised at the University of Illinois.

The Board of Natural Resources and Conservation, acting through subcommittees composed of the Director of the Department of Registration and Education, the President of the University of Illinois, or his representative, and one or more expert advisers especially qualified, decides all matters pertaining to the Bureaus, including research, investigational, and scientific work, the selection and appointment of the members of the scientific staff, the cooperation with the University of Illinois in the use of scientific staff and equipment, and cooperation with allied Divisions and Departments. These Bureaus include the Divisions of Natural History Survey, State Water Survey, and State Geological Survey.

STATE NATURAL HISTORY SURVEY

COMMITTEE

W H H MILLER, *Director, Department of Registration and Education*
KENDRICK C BABCOCK, Ph.D., LL.D., *Dean, College of Liberal Arts and Sciences, University of Illinois*
WILLIAM TRELEASE, Sc.D., LL.D., *Professor of Botany, University of Illinois*
JOHN M COULTER, Ph.D., *Professor of Botany, University of Chicago*

STAFF

STEPHEN ALFRED FORBES, Ph.D., LL.D., *Chief*
ROBERT EARL RICHARDSON, A.M., *Biologist in charge of Biological Station*
VICTOR ERNEST SHELFORD, Ph.D., *Biologist in charge of Research Laboratories*
WESLEY PILLSBURY FLINT, *Chief Field Entomologist*
STEWART C CHANDLER, B.S., *Field Entomologist*
CHARLES CHALMER COMPTON, B.S., *Field Entomologist*
ROBERT D HARWOOD, M.S., *Field Entomologist*
CHARLES PAUL ALEXANDER, Ph.D., *Systematic Entomologist*
HACHIRO YUASA, Ph.D., *Research Entomologist*
ROBERT BARCLAY MILLER, M.F., *Forester*
CLARENCE JOHN TELFORD, B.S., *Forest Ranger*
WILLIAM FOSTER SCHREEDER, B.S., *Forest Cruiser*
VERNON CLINTON FISK, B.S., *Forest Cruiser*
LEO ROY TEHON, A.M., *Field Botanist*
CHARLES ORLANDO PEAKE, *Botanical Assistant*
CHARLEY LYMAN PORTER, A.B., *Botanical Assistant*
MARY JANE SNYDER, *Secretary*
CHARLES EDWIN JANVRIN, B.L.S., *Librarian*

It is the function of the State Natural History Survey to conduct a biological survey covering the entire field of the zoology and botany of the state, but giving preference to subjects of educational and economic importance; to supply natural history specimens to the state educational institutions and the public schools; to investigate the entomology of the state; to conduct experiments with methods for the prevention, arrest, abatement, and control of insects injurious to persons or property; and to publish the product of its investigations in the form of bulletins, circulars, and reports.

Its offices, collections, and experimental equipment are in the Natural History Building and the vivarium of the University and in the Entomology Building, originally provided for the State Entomologist; and its equipment for aquatic biology is mainly on the Illinois River at Havana. It has also field stations for economic entomology—each adequately equipped for field work and life history studies in the three sections of the state—established at Aurora, Jacksonville, and Carbondale, respectively, and in charge of the three field entomologists; and it has also in active operation a forestry survey, a plant disease survey and a survey of the plant and animal life of the waters of the state.

The library of the Survey, containing 65,800 books and pamphlets, and its zoological collections, which include 375,000 pinned insects, 26,000 bottles of insects in alcohol, and over 200,000 Illinois fishes, are available to instructors and students of the University for purposes of reference and study.

STATE WATER SURVEY DIVISION

SUB-COMMITTEE OF THE BOARD OF NATURAL RESOURCES AND CONSERVATION ADVISERS

HON. W H H MILLER, *Director, Department of Registration and Education*
KENDRIC C BABCOCK, Ph.D., LL.D., *Representing the President of the University of Illinois*
WILLIAM A NOYES, Ph.D., LL.D., *Professor of Chemistry, University of Illinois*
JOHN W ALVORD, C.E., *Consulting Engineer, Chicago*

STAFF

ARTHUR MOSES BUSWELL, M.A., Ph.D., *Chief*
GEORGE CONRAD HABERMEYER, B.S., *Engineer*
A A BRENSKY, B.S., *Engineer*
ROBERT EDMAN GREENFIELD, A.M., Ph.D., *Chemist*
GAIL PHILLIPS EDWARDS, M.S., *Chemist*
GEORGE A WEINHOLD, B.S., *Chemist*
WILLIAM U GALLAHER, M.A., *Chemist*
J IRWIN SMITH, B.A., *Chemist*
SIDNEY L NEAVE, *Assistant Chemist*
MARGARET C PERRY, A.M., *Bacteriologist*

The State Water Survey Division of the State Department of Registration and Education has succeeded to the duties of the Illinois State Water Survey, which had been organized in the Department of Chemistry of the University of Illinois in 1895. Offices and special laboratories are maintained in the Chemistry Building of the University of Illinois.

A chemical survey of the waters of the State was begun by the State Water Survey in the latter part of September, 1895. In 1897 the legislature authorized the continuance of the work and directed the Trustees of the University to establish a chemical and biological survey of the waters of the State. In 1911 the legislature made an increased appropriation and imposed additional duties on the State Water Survey.

The Survey had collected data concerning water supplies and sewer systems and had surveyed many watersheds.

According to the administrative code the State Water Survey Division cooperating with other Divisions of the Department, is to investigate and study the natural resources of the State, to prepare plans for their conservation and development, to cooperate with and advise Departments having administrative powers and duties relating to the natural resources of the State, to cooperate with similar Departments in other states and with the United States government, to study the geological formation of the State with reference to its resources in mineral and artesian water, to collect facts and data concerning the water resources of the State, to determine standards of purity for drinking water for the various sections of the State, to publish from time to time the results of its investigations of the waters of the State to the end that the available water resources may be better known and that the welfare of the people in the various communities may be conserved, to make analyses of samples of water from municipal or private sources, to consider and decide all matters pertaining to water and water resources and allied investigational and scientific research, to cooperate with the University of Illinois in the use of scientific staff and equipment, and to cooperate with the various Departments in research, investigational, and scientific work, useful in the prosecution of the work of any Department.

STATE GEOLOGICAL SURVEY DIVISION

The work of the State Geological Survey Division is administered under the State Department of Registration and Education by a Board of Natural Resources and Conservation through one of its sub-committees, consisting of:

STAFF

W H H MILLER, *Director, Department of Registration and Education*
KENDRIC C BABCOCK, Ph.D., LL.D., *Dean of the College of Liberal Arts and Sciences,*
University of Illinois
ROLLIN D SALISBURY, A.M., LL.D., *University of Chicago*

STAFF

FRANK WALBRIDGE DEWOLF, B.S., *Chief, Urbana*
JAMES HAROLD HANCE, E.M., Ph.D., *Assistant Chief, Urbana*
WILLIAM HENRY HERRON, B.S., *Geographer in Charge of Cooperative Topographic Surveys,*
Urbana and Washington, D. C.
ULYSSES SHERMAN GRANT, Ph.D., *Consulting Geologist in Lead and Zinc Studies, North-*
western University, Evanston
SAMUEL WILSON PARR, M.S., *Consulting Chemist in Coal Investigations, University of Illi-*
nois
EDWARD WIGHT WASHBURN, Ph.D., *Consulting Ceramic Engineer, University of Illinois*
CULLEN WARNER PARMELEE, B.S., *Consulting Ceramic Engineer, University of Illinois*
THOMAS EDMUND SAVAGE, Ph.D., *Geologist, University of Illinois*
STUART WELLER, Ph.D., *Geologist, University of Chicago, Chicago*
HARLAN H BARROWS, Ph.D., *Geologist, University of Chicago, Chicago*
NELLIE O BARRETT, B.S., *Geologist, Urbana*
HENRIETTA CHRISTENSEN, B.S., *Assistant Geologist, Urbana*
LOUIS AUBREY MYLIUS, B.S., E.M., *Geologist, Urbana*
FRANK KREY, B.S., *Geologist, Urbana*
MORRIS MORGAN LEIGHTON, Ph.D., *Geologist, Urbana*
HAROLD EUGENE CULVER, Ph.M., *Geologist, Urbana*
DOUGLAS MOORE COLLINGWOOD, B.S., *Geologist, Urbana*
LOUIS W CURRIER, A.M., *Geologist, Syracuse University, Syracuse*
JOHN EVERTS LAMAR, B.S., *Geologist, Urbana*
DANIEL JEROME FISHER, M.S., *Geologist, University of Chicago, Chicago*
GEORGE E EKBLAW, *Assistant Geologist, Urbana*
PAUL MACCLINTOCK, Ph.D., *Geologist, University of Chicago*
ELMSLIE T THOMAS, A.M., *Geologist, University of Arkansas*
WILLIAM F NETZEBAND, B.S., *Assistant Geologist, Urbana*
ADOLF CARL NOE, Ph.D., *Paleobotanist, University of Chicago, Chicago*
FRANK BONNER LEONARD, J.D., *Investigator of Drainage Law, Champaign*
JUSTA M LINDGREN, A.M., *Chemist, Urbana*
GEORGE WELLINGTON PICKELS, C.E., *Drainage Engineer, University of Illinois*

Five to eight geological field and laboratory assistants are under employment during part of each year, in addition to the staff listed above.

In carrying out the primary purpose of the organization, field parties make investigations of oil, clay, coal, stone, artesian water, cement materials, road materials, and general scientific problems. They also conduct surveys for the completion of topographic and geologic maps of the State, in part in cooperation with the United States Geological Survey. Topographic surveys have been completed for almost 35 per cent of the State. A series of eight county maps have been made by combining and republishing the atlas sheets in county units, and it is planned to add to the list of county maps as rapidly as the necessary surveys are completed.

To date sixty volumes, seventeen of them belonging to the Mining Investigations series, aggregating more than 8,000 pages, have been published, as well as numerous rainage, topographic, structural, and geologic maps.

The Survey cooperates actively with other State departments and technical divisions on problems having an engineering or geologic aspect. During the present biennium and since the close of the war, especial attention has been given to the study of available materials for use in constructing highways, in accordance with the hard-road program which is being fostered by State and National Governments. In pre-war times much of the material used in Illinois was shipped into the State from Wisconsin and Indiana. The normal output would not begin to meet present requirements of a stimulated road program, and so special attention has recently been given to the search for quarry sites and gravel pits where suitable material may be produced close to transportation and particularly to the proposed routes of the highways. Another recent and special investigation, a report on which is in press, relates to the status of reclamation of overflowed lands in the State. Several thousand square miles remain to be reclaimed. The chief difficulties have been legal rather than physical, and the aim of the investigation just completed was to determine the various difficulties and the possible remedies and to lead to a State policy with regard to this important subject.

The excellent offices and laboratory quarters provided by the University in the Ceramics Building are well equipped for the conduct of the work of the Survey. Thousands of drill records, detailed mine notes, coal analyses, and other data on economic resources of Illinois form an active and growing collection which is invaluable and demands careful permanent preservation. From it is drawn much of our knowledge of the geology and mineral resources of the State.

Under an agreement between the College of Engineering, the United States Bureau of Mines, and the State Geological Survey Division, a station has been located at Urbana for a cooperative investigation of the Illinois mining industry, and the various agencies contribute men and funds for investigations under an agreed program.

THE BOARD OF EXAMINERS IN ACCOUNTANCY

DAVID KINLEY, Ph.D., LL.D., PRESIDENT OF THE UNIVERSITY

BOARD OF EXAMINERS

ALBERT T BACON, C.P.A., *Chairman*, Chicago
EDWARD E GORE, C.P.A., *Secretary*, Chicago
HARRY J DUNBAUGH, A.B., LL.B., Chicago

UNIVERSITY COMMITTEE

MAURICE HENRY ROBINSON, Ph.D., *Chairman*
GEORGE PHILIP TUTTLE, B.S., *Secretary*
JOHN NORTON POMEROY, A.M., LL.B.

By a law passed in 1903 the State University is made an examining board of applicants for certificates as certified public accountants. To carry out the provisions of the law the Board of Trustees has appointed a board of three examiners to prepare, conduct, and grade examinations, and a University committee to conduct the routine work. Under the law one examination must be held each year in May, but examinations have been held also in November or December of each year in which there were a sufficient number of applicants. All the examinations thus far given have been held in the city of Chicago.

Applicants for the certificate of Certified Public Accountant are required to pass examinations in the theory of accounts, commercial law, auditing, and practical accounting.

The Illinois Society of Certified Public Accountants offers annually a gold medal and a silver medal to be awarded to the persons passing the C. P. A. examination with the highest total marking in all subjects and with the second highest total marking in all subjects respectively.

COOPERATIVE INVESTIGATION OF PROBLEMS OF ILLINOIS MIN- ERAL INDUSTRIES

DAVID KINLEY, Ph.D., LL.D., PRESIDENT OF THE UNIVERSITY

STAFF

Engineering Experiment Station

CHARLES RUSS RICHARDS, M.E., M.M.E., D.Eng., *Director*
HARRY HARKNESS STOEK, B.S., E.M., D.Sc., *Professor of Mining Engineering*
ARTHUR JOSEPH HOSKIN, B.S., M.E., *Research Assistant, Professor of Mining Engineering*

State Geological Survey

FRANK WALBRIDGE DEWOLF, B.S., *Chief*
HAROLD EUGENE CULVER, Ph.B., Ph.M., *Coal Geologist*

United States Bureau of Mines

HARRY FOSTER BAIN, B.S., Ph.D., *Director*, Washington, D.C.
GEORGE S RICE, E.M., *Chief Mining Engineer*, Washington, D.C.
DORSEY A LYON, A.B., A.M., Ph.D., *Supervisor of Stations*, Washington, D.C.
JOHN JOSEPH RUTLEDGE, B.S., Ph.D., *Superintendent*, Central District Station, Urbana
WILLIAM ALBERT DUNKLEY, B.S., *Gas Engineer*, Urbana
THOMAS FRASER, B.S., E.M., *Assistant Mining Engineer*, Urbana
HARRY FAGAN YANCEY, A.B., A.M., *Chemist*, Urbana
RICHARD DUDLESTON LEITCH, B.S., *Junior Chemist*, Urbana

The Engineering Experiment Station, through the Department of Mining Engineering of the University of Illinois, the State Geological Survey, and the United States Bureau of Mines are cooperating throughout the State in investigations and dissemination of information, with a view to improving conditions in the mining, quarrying, metallurgical, and other mineral industries, safeguarding life among employees, preventing unnecessary waste of resources, and otherwise contributing to the advancement of these industries, under authority granted by the Forty-seventh General Assembly.

The University, through the Engineering Experiment Station, furnishes officers and laboratory facilities for the Bureau in Urbana, and takes part, through the Department of Mining Engineering, both in field work and in publication.

The State Geological Survey adds to the cooperation a staff of geologists who are giving particular attention to the mineral resources of the State and other geological problems.

The United States Bureau of Mines has established a mining experiment station at Urbana, with offices in the Ceramic Engineering Building, which are headquarters for the technical staff of Bureau engineers working in this district.

Through the cooperation of the three contracting parties, a staff of trained engineers, geologists, and metallurgists is at the disposal of the mining and metallurgical industries of Illinois.

PART VII
LIST OF STUDENTS, ETC.
(1921-1922)

LIST OF STUDENTS, 1921-22

THE GRADUATE SCHOOL

Abbott, Howard Clinton—Botany B.S. (<i>Michigan Agricultural Coll.</i>), 1918	* †	Lansing, Michigan
Adams, Elmer Wade—Organic Chemistry B.S., M.S., 1919, 1920	SS ¹	Macomb
Ady, Gertrude—English A.B. (<i>Monmouth Coll.</i>), 1921	* †	Percival, Iowa
Agersborg, Helmer Pareli Kjerschow—Zoology B.S., M.S. (<i>Univ. of Washington</i>), 1916 M.A. (<i>Columbia Univ.</i>), 1920	* †	Trondhjem, Norway
Aiello, Gaetano Rudolph—Romance Languages B.A. (<i>Amherst Coll.</i>), 1919	* †	Urbana
Alicante, Marcos Mondejar—Agronomy B.S. (<i>Oregon Agricultural Coll.</i>), 1920 M.S., 1921	SS	* † Iloilo, Philippine Islands
Allen, Beulah Williams—English A.B., 1919	SS	West Frankfort
Allen, Harland Hill—Economics A.B., A.M. (<i>Colorado Teachers Coll.</i>), 1916, 1917	* †	Urbana
Allen, Paul William—Bacteriology B.S. (<i>St. Lawrence Univ.</i>), 1910 M.S. (<i>Cornell Univ.</i>), 1914		† Urbana
Allison, Carl Walter—Education A.B., 1913	SS	* † Urbana
Altman, Beulah Lillian—Spanish A.B. (<i>Coll. of Emporia, Kansas</i>), 1905 A.M. (<i>Univ. of Chicago</i>), 1914	* †	Emporia, Kansas
Ambrose, Arthur Samuel—Dairy Chemistry B.S., 1914	SS	* † Urbana
Anderson, Birdina Margueritte—History A.B., 1918	SS	Urbana
Anderson, Harriett Maybelle—Psychology A.B., 1920	SS	* † Urbana
Anderson, Nelson Joseph—Physical Chemistry B.S. (<i>Kansas State Agricultural Coll.</i>), 1920	SS	* † Burchard, Nebraska
Andrews, Harry Lee—Zoology A.B., A.M., 1916, 1919	SS	Chicago
Andrews, John Wendell—Chemistry B.S. (<i>Kansas State Agricultural Coll.</i>), 1920		* † Champaign
Andrews, William Orus ² —Civil Engineering B.S., 1921		* † Houston, Texas
Armour, Dorothy Marian—Bacteriology A.B., 1921		* Rockford
Arndt, Paul William—Education B.S., 1917	SS	Murphysboro
Arnold, John William—Mathematics A.B., 1921		† Little Rock, Arkansas
Atkinson, Harry Victor—Pharmacodynamics B.S. (<i>Ohio State Univ.</i>), 1911	SS	Van Wert, Ohio
Atkinson, Helen—English Ph.B. (<i>Univ. of Chicago</i>), 1919		* † Hammond, Indiana
Bacon, Robert Hamilton ² —Electrical Engineering B.S., 1916		* † Painesdale, Michigan
Badger, Carroll J—Agronomy B.S., 1920		† Ewing
Baker, John Babcock—Chemistry B.S., 1921		* † Springfield
Ballew, Amer Mileham—Zoology B.S. (<i>Illinois Wesleyan Univ.</i>), 1920	SS	Lexington
Barker, Annie Eliza—Education A.B., 1920		* † Bondville
Barnes, Otis Avery—Chemistry B.S., M.S., 1916, 1918	SS	* † Auburn
Barnett, George Rockwell—Chemistry B.S. (<i>Monmouth Coll.</i>), 1918		* † Decatur
Barry, Jennie Eulalia—Sociology A.B., 1918		* † Champaign
Bartlett, Henry Emmett ² —Civil Engineering B.S., 1893		* † Chicago
Bartow, Virginia—Organic Chemistry A.B. (<i>Vassar Coll.</i>), 1918 A.M., 1921		* † Iowa City, Iowa
Batterton, Harriet—Education A.B., 1920		* † Greenfield

Attendance first semester indicated by the asterisk (); second semester by the dagger (†).

¹Summer Session.

²Candidate for professional degree in engineering.

- Bauer, Ezra Edward—Civil Engineering
B.S., 1919 * † Toledo, Ohio
- Bauer, William Wert—Organic Chemistry
B.A., M.S. (*Ohio State Univ.*), 1917, 1918 * † Urbana
- Beatty, Elsie—English
A.B., 1919 * † Paris
- Behrens, Martin—Business Organization and Operation
B.S., 1919 † Crete
- Bell, Cecile Mary—French
A.B., 1919 * † Paris
- Bell, Mary Elizabeth—Chemistry
B.S., 1920 SS * Champaign
- Bell, Trice Morton—Electrical Engineering
B.S. (*Univ. of Kentucky*), 1919 * † Madisonville, Kentucky
- Belles, Edwin Milton—Education
B.A. (*Northwestern Univ.*), 1920 SS Blakesburg, Iowa
- Bender, Harry Albert—Mathematics
A.B. (*Ohio State Univ.*), 1918 SS * † Uhrichsville, Ohio
A.M., 1921
- Bennett, Theodore Lake—Mathematics
A.B. (*Cornell Univ.*), 1921 * † Geneseo, New York
- Bennett, William Lee—Chemistry
A.B., 1902 † Urbana
- Berman, Edward—Economics
B.S., M.A. (*Columbia Univ.*), 1920, 1921 * † Urbana
- Berzunza, Julio—Spanish
A.B. (*Univ. of Oklahoma*), 1921 * † Merida, Yucatan
- Black, Helen Fern—French
A.B., 1921 SS Palestine
- Bond, Anna Louise—French
A.B., A.M., 1903, 1906 SS Mt. Vernon
- Bond, Roger Moore—Chemistry
A.B. (*Monmouth Coll.*), 1920 * † Appleton, Wisconsin
- Bormen, Clarence Alfred—Economics
B.S., 1920 * † Urbana
- Bosman, Vernon—Industrial Chemistry
B.A., M.A. (*Univ. of Cape Town*), 1917, 1918 * † Capetown, South Africa
- Bowlus, Hazel W—Latin
A.B., 1915 * † Urbana
- Brady, George Keyports—English Literature
A.B., 1916 * † New York, New York
- Bray, Charles Israel—Economics
B.S.A. (*Ontario Agricultural Coll.*), 1904
M.S. (*Mississippi Agricultural and Mechanical Coll.*), 1907 * † Fort Collins, Colorado
- Brazelton, Calanthe Miriam—English
A.B., 1918 SS Greensburg, Indiana
- Breathwit, Rachel Augusta—Romance Languages
A.B., A.M., 1920, 1921 * † Duncan, Oklahoma
- Brede, Lothar Homer—Chemistry
B.S., M.S., 1919, 1921 * † Collinsville
- Breedlove, Lincoln Bales—Mechanical Engineering
B.S., 1914 * † Martinville, Indiana
- Brensky, Albert Abraham—Civil Engineering
B.S., 1919 * † Chicago
- Brett, Axel—Philosophy
A.B. (*Gustavus Adolphus Coll.*), 1912 SS * † Urbana
A.M. (*Univ. of Minnesota*), 1914
- Briggs, Dorothy Frances—Mathematics
A.B., 1921 * † Kansas City, Missouri
- Brightfield, Myron Franklin—English
A.B., A.M. (*Harvard Univ.*), 1919, 1920 * † Champaign
- Brill, Jesse Hugo—Education
B.A. (*Miami Univ.*), 1914 SS Bement
- Bristol, Robert S—Accountancy
127 hours (*Univ. of Illinois*) † Chicago
- Britton, Joseph Walter—Organic Chemistry
A.B., M.S. (*Univ. of Michigan*), 1920, 1921 * † Rockville, Indiana
- Brode, Wallace Reed—Organic Chemistry
B.S. (*Whitman Coll.*), 1921 * † Walla Walla, Washington
- Brown, Hugh Alexander—Electrical Engineering
B.S., 1911 SS † Urbana
- Brown, Pembroke Holcombe—Economics
A.B., A.M., 1915, 1917 * † Urbana
- Brown, Rex L—Theoretical and Applied Mechanics
B.S. (*Univ. of Kansas*), 1919 † Champaign
M.S., 1921
- Brown, Victor Israel—Education
A.B., 1919 SS Watseka
- Buck, Miriam Gertrude—Chemistry
A.B., M.S., 1920, 1921 SS Vincennes, Indiana
- Budhe, Janardan Sahasra—Horticulture
B.S., 1921 SS * Nagpur, India
- Bullock, Boyd W—Economics
129 $\frac{3}{4}$ hours (*Univ. of Illinois*) † Evansville, Indiana
- Bunting, Leatha Dean—Botany
A.B. (*Illinois Woman's Coll.*), 1920 * † Quincy

- Burgman, Edwin Benjamin—English
A.B. (*Dartmouth Coll.*), 1915 * † *Concord, New Hampshire*
A.M. (*Harvard Univ.*), 1917
- Burnett, Waldo Briggs—Organic Chemistry
B.A. (*Southern Methodist Univ.*), 1919
M.S., 1921 SS * † *Dallas, Texas*
- Busey, Garreta Helen—English
A.B. (*Wellesley Coll.*), 1915 * † *Urbana*
- Busey, Margaret Jeannette—Chemistry
B.S., 1920 * *Urbana*
- Buswell, Constance Anna—English
A.B. (*Iowa Teachers' Coll.*), 1916 * *Waterloo, Iowa*
- Butler, William Glenn—Animal Husbandry
B.S., 1914 SS * † *Cairo*
- Buttler, Howland—Organic Chemistry
B.S. (*Worcester Polytechnic Institute*), 1918 * † *Worcester, Massachusetts*
- Byrd, Paul Jones—Botany
A.B. (*Wabash Coll.*), 1913
A.M., 1921 * † *Crawfordsville, Indiana*
- Bysack, Bhupendra Nath—Economics
B.S., 1921 * † *Calcutta, India*
- Cable, Erma Elizabeth—Chemistry
131 hours (*Univ. of Illinois*) † *Chicago*
- Canon, Gerald Hughes—English
A.B., 1921 * † *Carrollton*
- Calvery, Herbert Orion—Chemistry
A.B., 1921 SS * † *Peniel, Texas*
- Campbell, Eva Maria—English
A.B. (*Wilmington Coll.*), 1905
A.B., A.M. (*Ohio State Univ.*), 1907, 1909
Ph.D. (*Columbia Univ.*), 1921 * † *Centerville, Ohio*
- Campbell, Helen D—English
A.B. (*Univ. of California*), 1917 * *Berkeley, California*
- Campbell, Mason H—Genetics
B.S., 1917 * † *Valparaiso, Indiana*
- Candle, Earl Cecil—Organic Chemistry
B.S. (*Oregon State Agricultural Coll.*), 1921 * † *Hillsboro, Oregon*
- Carlson, Avis Dungan—English Literature
A.B. (*Southwestern Coll.*), 1917 * † *Garfield, Kansas*
- Carney, Sidney Sylvester—Farm Crops
B.S., 1920 * † *Steward*
- Carothers, Wallace Hume—Organic Chemistry
B.S., M.S., 1920, 1921 SS *Des Moines, Iowa*
- Carson, Leslie Ward—Education
A.B. (*Franklin Coll.*), 1920 SS *Franklin, Indiana*
- Carver, Frederick Elmer—Horticulture
B.S., 1921 * *Berwyn*
- Casey, William Cornell—Political Science
A.B. (*James Millikin Univ.*), 1916 * *Decatur*
- Cather, Carl Henry—Thermodynamics
B.S. (*West Virginia Univ.*), 1916 * † *San Antonio, Texas*
- Causey, David—Zoology
A.B. (*James Millikin Univ.*), 1921 * † *Greenville*
- Chalcraft, Delos Maurice—Education
B.S., 1921 SS † *Urbana*
- Chaney, Theron Bayne—Physics
B.S. (*Knox Coll.*), 1921 * † *New Windsor*
- Chang Hai Shwan—Entomology
B.S. (*Univ. of Nanking*), 1920
M.S. (*Univ. of California*), 1921 † *Kiangsu, China*
- Chen, Ta Shou—Mining Engineering
B.S. (*Pei Yang Univ.*), 1915
M.S. (*Univ. of California*), 1921 * † *Shanghai, China*
- Cheney, George Henry—Organic Chemistry
B.S. (*Univ. of Maine*), 1919
M.S., 1921 SS * † *Gardiner, Maine*
- Chiles, Howard Marion—Organic Chemistry
B.S., 1917 SS * † *Carlinville*
- Chin, Yu—Mining Engineering
B.S. (*Pei Yang Univ.*), 1919
M.A. (*Columbia Univ.*), 1921 * *Peking, China*
- Christman, Adam Arthur—Physiological Chemistry
B.S. (*Grinnell Coll.*), 1917
M.S., 1920 SS * † *Shannon*
- Clark, Bruce B—Soils
B.S., 1921 † *Urbana*
- Clearwaters, John Harold—Education
A.B. (*De Pauw Univ.*), 1920 SS *New Richmond, Indiana*
- Clem, Orlie Martin—Education
A.B., 1918 SS *Benton*
- Clemente, Leopoldo Ly dela Rosa—Genetics
B.S., M.S., 1920, 1921 SS * † *Paomkong, Philippine Islands*
- Clippinger, Frank Warren—English
A.B. (*Wabash Coll.*), * † *Dayton, Ohio*
- Coolley, Anna—Business Organization and Operation
B.S., 1921 * † *Broadlands*

Corley, Ralph Connor—Chemistry A.B., 1921		* † Tower Hill
Cowie, Alexander Robertson—English Literature A.B. (<i>Univ. of Minnesota</i>), 1919		* St. Paul, Minnesota
Cox, Flemin Willet, Jr.—Education A.B., A.M., 1908, 1921	SS	* † Bridgeport
Crabb, David Wendell—Accountancy A.B. (<i>Colorado Coll.</i>), 1920		* † Greeley, Colorado
Crandall, Bert Harrison—Education B.S., 1920	SS	Huntsville
Crane, Floyd Hamilton—Agronomy B.S. (<i>Ohio State Univ.</i>), 1921		* † Ravenna, Ohio
Craver, Alva Wilfred—Animal Husbandry B.S., 1921		* † Harvey
Crawford, Chalmers Woodruff—Animal Husbandry B.S., 1915		* Pontiac
Crawford, Thomas ¹ —Electrical Engineering B.S., 1894		* † Clinton, Iowa
Crecraft, Gordon Randolph—English B.A. (<i>Miami Univ.</i>), 1918		* † Oxford, Ohio
Croft, Huber Ogilvie—Mechanical Engineering B.S. (<i>Univ. of Colorado</i>), 1918		* † Urbana
Crosthwait, George Ashley—Education B.S., 1903	SS	Cisne
Croxton, Walter Clyde—Education B.S., 1921	SS	* † Urbana
Cupit, George William, Jr.—Chemistry B.S. (<i>Pennsylvania State Coll.</i>), 1919	SS	Germantown, Pennsylvania
Dale, Charles Sherman—Education B.S., M.A., 1920, 1921		* Champaign
Darley, Hayes Tryford—Chemistry B.A. (<i>Ohio State Univ.</i>) 1912 M.S., 1921	SS	Wadsworth, Ohio
Darling, Laverne H.—United States History A.B. (<i>Eureka Coll.</i>), 1894	SS	Abingdon
Davidson, Fred Alexander—Genetics B.S., 1921		* † St. Louis, Missouri
Davis, Anne Wallis—Organic Chemistry A.B. (<i>Bryn Mawr Coll.</i>), 1917 M.A. (<i>Washington Univ.</i>), 1918		* † Princeton, New Jersey
Davis, Charles Brewer—English A.B., 1920		* † Champaign
Davis, John Blackwell—Chemistry B.S. (<i>Beloit Coll.</i>), 1920		* † Milwaukee, Wisconsin
Dickinson, Frank Green—Economics A.B., 1921		* † Griggsville
Diffenbaugh, Guy Linton—English Literature A.B. (<i>Franklin & Marshall Coll.</i>), 1912 A.M. (<i>Harvard Univ.</i>), 1915		* † Lancaster, Pennsylvania
Dixon, Harry Louis—Botany B.S., 1921		* † West Somerville, Massachusetts
Dolch, Edward William, Jr.—Education A.B. (<i>Washington Univ.</i>), 1915 M.A. (<i>Univ. of Wisconsin</i>), 1918	SS	* † Champaign
Douglas, Theodore Wayland—English A.B. (<i>Miami Univ.</i>), 1918	SS	* † Urbana
Dowell, Ruth Isabel—Botany A.B. (<i>Smith Coll.</i>), 1920		* † Washington, D.C.
Doyle, Irene M.—Mathematics A.B., 1919		† Clinton
Dreger, Emil Edward—Chemistry B.S. (<i>North Western Coll.</i>), 1916	SS	* † Chippewa Falls, Wisconsin
Driggs, Frank Howard—Chemistry A.B., (<i>Baker Univ.</i>), 1917 M.S., 1921		* † Baldwin, Kansas
DuBois, Martha Harriet—History A.B., 1919	SS	Eldorado
Duell, Prentice van Walbeck—Architectural Design A.B. (<i>Univ. of California</i>), 1916 A.M. (<i>Univ. of Arizona</i>), 1917		* † Phoenix, Arizona
Duff, Arthur Michael—Mechanics B.S. (<i>Univ. of Colorado</i>), 1911		* † Versailles, Missouri
Du Frain, Frank James—Education A.B., 1916	SS	Momence
Duncan, Herman O—Education B.S., 1922		† Mt. Vernon
Dwight, Charles Harrison—Physics B.A. (<i>Bellevue Coll.</i>), 1919		* † Urbana
Eagelston, Mrs. Nellie Frazey—English A.B., 1901	SS	† Urbana
Earlenbaugh, Lawrence E—Organic Chemistry A.B. (<i>Univ. of Kansas</i>), 1921		* † Claflin, Kansas
Eaton, William John—Agronomy B.S., 1921	SS	Urbana

¹Candidate for professional degree in engineering.

Edwards, Gail Phillips—Sanitary Chemistry B.S., M.S., 1918, 1921	SS * † Chicago
Edwards, Harlan Hammond ¹ —Civil Engineering B.S., 1917	* † Danville
Edwards, Lena Frances—Physiological Chemistry A.B. (<i>Howard Univ.</i>), 1921	SS Washington, D. C.
Eigenbrodt, Harold John—Zoology B.A. (<i>North Western Coll.</i>), 1921	* † Kenyon, Minnesota
Ellinger, Tage Ulich Holten—Genetics B.S., M.S. (<i>John Hopkins Univ.</i>), 1916, 1917	* Copenhagen, Denmark
Elliott, Foster Floyd—Agricultural Economics B.S. (<i>Univ. of Kentucky</i>), 1919	* Eubank, Kentucky
Ellis, Charles Alton—Civil Engineering A.B. (<i>Wesleyan Univ.</i>), 1900	* Chicago
Ellis, Ray George—Economics B.S. (<i>Syracuse Univ.</i>), 1917	SS East Concord, New York
Engle, Earl Agard—Chemistry A.B., A.M. (<i>Univ. of Denver</i>), 1918, 1919	SS * † Denver, Colorado
Ets, Harold Norris—Pharmacodynamics B.S. (<i>Univ. of Rochester</i>), 1920	SS * † Rochester, New York
Evans, John Edward ¹ —Mechanical Engineering B.S., 1912	* † New York, New York
Everhart, Phillip H—History A.B., 1915	* Champaign
Fairman, Charles—History A.B., A.M., 1918, 1920	SS Champaign
Fajardo, Euripides ¹ —Civil Engineering B.S., 1913 C.E. (<i>Univ. of Havana</i>), 1915	* † Santiago, Cuba
Farrell, William J—Chemistry 141 hours (<i>Univ. of Illinois</i>)	† Chicago
Feldman, Horace Wenger—Genetics B.S. (<i>Purdue Univ.</i>), 1921	* † South Bend, Indiana
Finley, Leigh Vivian—Education B.S., 1918	SS Catlin
Finley, Willard Lyle—Chemistry B.S. (<i>Genesa Coll.</i>), 1920	SS Sparta
Fisher, Lewis Nebinger ¹ —Civil Engineering B.S., M.S., 1912, 1914	* † Decatur
Fjeld, Erastus I—Accountancy B.S., 1920	* † Northfield, Minnesota
Flagg, Elinor Bertha—Education B.S., 1921	* † Moro
Fletcher, Elizabeth Blair—English A.B., 1911 A.M. (<i>Washington Univ.</i>), 1913	* † St. Louis, Missouri
Fogler, Mayor Farthing—Chemistry B.S., M.S., 1920, 1921	SS * † Champaign
Fogler, Ralph Waldo—Chemistry B.S., 1921	* † Champaign
Foley, Margaret Ebert—Romance Languages A.B. (<i>Ohio Wesleyan Univ.</i>), 1919 A.M. 1921	* † Zanesville, Ohio
Ford, Carlotta Marks—Economics A.B., 1911	* Geneva
Farnoff, Charles Wright—History 127½ hours (<i>Univ. of Illinois</i>)	* † Pana
Foster, I Owen—Education B.S., 1921	SS * † Urbana
Freeman, Harriette—Botany B.S. (<i>Fargo Coll.</i>), 1917	* † Fargo, North Dakota
Fritschel, Max Conrad Martin—Education A.B. (<i>Augustana Coll.</i>), 1919	SS Dubuque, Iowa
Fritts, Edwin Coulthard—Physics B.S. (<i>Georgetown Coll.</i>), 1917 M.S., 1920	* † Lexington, Kentucky
Fuhr, Clara—Botany B.S., 1921	* † Warrensburg, Missouri
Fukuda, Masaru—Physics Degree (<i>Tokyo Univ.</i>), 1899	SS † Tokyo, Japan
Fukumi, Sadaji—Railway Engineering Degree (<i>Imperial Univ.</i>), 1915	* Korea, Japan
Fullenwider, Elizabeth Leah—English A.B. (<i>James Millikin Univ.</i>), 1916 A.M., 1917	* † Mechanicsburg
Fusejima, Shinkuro—Theoretical and Applied Mechanics Degree (<i>Tokyo Imperial Univ.</i>), 1918	SS * Tokyo, Japan
Gallaher, William Arer—Water Chemistry B.S., M.S. (<i>Univ. of Iowa</i>), 1920, 1921	* † Champaign
Galster, Augusta Emil—Economics A.B., A.M., 1918, 1920	SS Tower Hill
Gardner, John Hall—Organic Chemistry B.S. (<i>Case School of Applied Science</i>), 1919 M.S. (<i>Univ. of Michigan</i>), 1921	SS * † Cleveland, Ohio

¹Candidate for professional degree in engineering.

Garrett, Sherman Scott—Chemistry A.B., 1921	SS	Champaign
Garvin, Mary Beatrice—Sociology A.B., 1917	SS *	Champaign
Gaynor, Elizabeth Prudence—History A.B. (<i>Univ. of Wisconsin</i>), 1907	SS *	Urbana
Geist, Henry Harrison—Chemistry B.S. (<i>Pennsylvania State Coll.</i>), 1911 M.S., 1921	SS	Mt. Carmel, Pennsylvania
Gerig, Orie Benjamin—Economics B.A. (<i>Goshen Coll.</i>), 1917	* †	Smithville, Ohio
Gidinghagen, Myrtle R.—Romance Languages A.B. (<i>Univ. of Kansas</i>), 1920	*	Kansas City, Missouri
Gilkey, Herbert James—Theoretical and Applied Mechanics B.S. (<i>Oregon Agricultural Coll.</i>), 1911 B.S. (<i>Massachusetts Institute of Technology</i>), 1916		† Urbana
Ginnings, Paul Meade—Chemistry B.S., M.S., 1919, 1920	SS * †	Macomb
Glick, Harry Newton—Education A.B. (<i>Bridgewater Coll.</i>), 1913 A.M. (<i>North Western Univ.</i>), 1914	SS * †	Bridgewater, Virginia
Glick, Perry Aaron—Entomology B.S., 1921	* †	Hamilton, Missouri
Godlove, Isaac Hahn—Chemistry B.S., A.M. (<i>Washington Univ.</i>), 1914, 1915	SS	Chicago
Goebel, Walter Friedrich—Chemistry A.B., A.M., 1920, 1921	* †	Urbana
Goff, John Alonzo—Mechanical Engineering B.S., 1921	* †	Colorado Springs, Colorado
Goodwill, Floyd Armund—Accountancy B.S., 1921	* †	Pecatonica
Gould, Howard Woodham—Chemistry B.S. (<i>McKendree Coll.</i>), 1918	SS	† Bone Gap
Graesser, Roy French—Mathematics A.B., 1919	SS * †	Champaign
Graves, George De Witt—Organic Chemistry B.S. (<i>Washington Univ.</i>), 1920	SS * †	St. Louis, Missouri
Gray, Giles Wilkeson—English A.B. (<i>De Pauw Univ.</i>), 1914	* †	Greensburg, Indiana
Gray, Horace Montgomery—Economics B.S., 1922		† Lerna
Green, Hershel Samuel—Economics A.B., 1921	*	West York
Green, Norman Boynton—Mechanics A. B. (<i>Stanford Univ.</i>), 1921	* †	Redlands, California
Greenfield, Robert Edmon—Chemistry A.B., (<i>Kansas Univ.</i>), 1914, A.M., Ph.D., 1916, 1921	SS	Sabetha, Kansas
Gressens, Otto—Economics B.S., 1921	* †	West Chicago
Griffith, Andres Oliver—Economics B.S., 1921	* †	Ashton
Griffith, Margaret E.—English A.B. (<i>Northwestern Univ.</i>), 1920	SS	Evanston
Griffith, Wendell Horace—Physiological Chemistry B.S., (<i>Greenville Coll.</i>), 1917 M.S., 1919	* †	Evanston
Groves, Robert Leroy—Pathology A.B. (<i>Univ. of California</i>), 1917	* †	Chicago
Guba, Emil Frederick—Botany B.S. (<i>Massachusetts Agricultural Coll.</i>), 1919	* †	New Bedford, Massachusetts
Guernsey, Fredrika Grace—English A.B. (<i>Hedding Coll.</i>), 1919	SS *	Urbana
Guest, Harold Walter—Economics A.B. (<i>Albion Coll.</i>), 1921	* †	Osseo, Michigan
Guiet, Mrs. Jeanne S.—French A.B. (<i>Illinois Wesleyan Univ.</i>), 1919	*	Urbana
Guiet, Rene—French A. B., 1920	* †	Urbana
Guild, Wilbur Gillfillan—Mathematics B.S. (<i>Illinois Wesleyan Univ.</i>), 1920 M.S., 1921	SS	Bloomington
Haldeman, William Strubhar—Chemistry B.S. (<i>Univ. of Pennsylvania</i>), 1914 A.M. (<i>Harvard Univ.</i>), 1920	SS	Pine Grove, Pennsylvania
Halfant, David Mandel—Economics Ph.B., A.M. (<i>Univ. of Chicago</i>), 1920, 1921	*	Chicago
Hall, Joseph Lowe—Organic Chemistry B.S., M.S., 1919, 1921	SS * †	Sullivan
Hall, Russell Alger—Theoretical and Applied Mechanics B.C.E. (<i>Univ. of Michigan</i>), 1916	* †	Champaign
Ham, Chester Raymond—Accountancy B.A. (<i>Univ. of Michigan</i>), 1917	* †	Pontiac, Michigan
Ham, Lloyd Blinn—Physics A.B. (<i>Bates Coll.</i>), 1914 A.M., 1920	SS * †	Cedar Grove, Maine

Hamilton, Thomas Sherman—Chemistry B.S., 1917	SS * † Paris
Hancock, Myron Scott—Electrical Engineering B.S., 1917	* † Wilkensburg, Pennsylvania
Handschin, Walter Frederick—Animal Husbandry B.S., 1913	* Urbana
Hansen, Einar August—Education B.A. (<i>St. Olaf Coll.</i>), 1920	* † Chicago
Harding, Leola Glenn—Latin A.B. (<i>Greenville Coll.</i>), 1912	SS Champaign
Harland, Marion Boyer—Soils B.S., 1920	* † Urbana
Harmon, Fannie Rosa—Zoology 129½ hrs. (<i>Univ. of Illinois</i>)	* † Wachapreague, Virginia
Harper, Ester Jeanette—History A.B. (<i>Illinois Woman's Coll.</i>), 1921	* † Kentland, Indiana
Harris, Herbert-Henry—Dairy Manufacturing B.S., 1915	SS Cairo
Harris, Leo Gabriel—Accountancy A.B., 1916	* † Wilton Junction, Iowa
Harris, William—Education A.B., 1914	SS Shelbyville
Harrison, Clyrene—Zoology B.A. (<i>Univ. of Arkansas</i>), 1920	Mena, Arkansas
Hartsough, Ralph Clayton—Physics B.S. (<i>Nebraska Wesleyan Univ.</i>), 1913 M.A. (<i>Univ. of Kansas</i>), 1914	SS Bloomington
Harukawa, Chukichi—Zoology Degree (<i>Tokyo Imperial Univ.</i>), 1913	SS * † Okayama, Japan
Harwood, Sylvan Dix—English A.B., 1916	SS * † Carrollton
Hashimoto, Koji—Chemistry B.S. (<i>Louisiana State Univ.</i>), 1920	SS Tokyo, Japan
Hayes, Fred Elmer—History A.B., A.M., (<i>Nebraska Univ.</i>), 1908, 1916	* † Enid, Oklahoma
Hazelet, Craig Potter—Civil Engineering B.S. (<i>Univ. of Washington</i>), 1915	* † Cordova, Alaska
Heath, Dwight Frederick—Mathematics A.B., A.M., 1916, 1921	SS Chicago
Heckel, Hermann Conrad—Chemistry B.S., 1921	* † Chicago
Hein, Mason A—Agronomy B.S., 1917	† Champaign
Heinekamp, Walter John Richard—Pharmacology B.S., M.S. (<i>Univ. of Illinois, Coll. of Medicine</i>), 1919, 1920	SS * Chicago
Hemmi, Furnimo—Organic Chemistry Degrees (<i>Imperial Univ.</i>), 1913, 1919	SS * Sapporo, Japan
Henares, Hilariion Gensole—Organic Chemistry B.S., 1921	SS Bacolod, Philippine Islands
Herrmann, Clarence C—Economics B.S., 1920	SS * † Kenosha, Wisconsin
Hersh, Amos Henry—Zoology A.M. (<i>Franklin Marshall Coll.</i>), 1915	* † Urbana
Hershey, Charlie Brown—Education A.B., A.M., 1914, 1921	SS Swansea, Massachusetts
Hetherington, Duncan Charteris—Zoology A.B. (<i>Colorado Coll.</i>), 1919 A.M., 1920	* † Colorado Springs, Colorado
Hewes, Edwin Butcher—History A.B., 1921	SS * † Barbourville, Kentucky
Hewes, George Cavender—Chemistry B.S., 1883 S.T.B. (<i>De Pauw Univ.</i>), 1891	SS Barbourville, Kentucky
Hibben, James Herbert—Chemistry B.S., 1920	SS * † Indianapolis, Indiana
Hickman, Lucie Pearl—English A.B., 1910	† Urbana
Higginson, Glenn Dvere—Education B.S., 1921	* † Keensburg
Hildreth, Gertrude Howell—Education A.B. (<i>Northwestern Coll.</i>), 1920 A.M., 1921	SS Indianapolis, Indiana
Hill, Robert McClaughey—Chemistry B.S. (<i>Carthage Coll.</i>), 1915 M.S., 1921	* † Carthage
Hite, Hugh Homer—Accountancy B.S., 1921	* † Philpot, Kentuck
Hixon, Ada Hope—Education A.B., 1919	SS Urbana
Ho, Pao Jin—Political Science B.A. (<i>Tuh-tan Univ.</i>), 1920 A.B. (<i>Univ. of Washington</i>), 1921	* † Singapore, China
Hobart, Clyde M—Mathematics A.B., A.M., 1912, 1913	* Champaign

†Candidate for professional degree in engineering

- Hobart, Floyd Beatty—Chemistry
B.S., M.S., 1920, 1921
- Hobgood, Guy—Agronomy
B.S. (*Oregon Agricultural Coll.*), 1915
- Hoffman, John Brewster—Chemistry
B.S., 1921
- Holbert, James Ransom—Agronomy
B.S., M.S. (*Purdue Univ.*), 1915, 1919
- Holton, William Bultman—Chemistry
B.S., 1921
- Hormel, Olive Deane—English
A.B., 1916
- Horst, Ralph Lester—Physiological Chemistry
A.B. (*Nebraska Wesleyan Univ.*), 1918
- Howk, Charles Dean—Education
A.B., 1915
- Hrdlicka, Clement Louis—Latin
A.B. (*St. Procopius Coll.*), 1918
- Hsueh, Pei Yuen—Chemistry
B.S. (*Chihli Higher Normal Coll.*), 1915
- Huber, John B—Economics
B.S., 1921
- Huber, Louis W—Mining Engineering
B.S., 1921
- Huddle, Horace Baldwin—Organic Chemistry
B.S. (*Georgetown Coll.*), 1919
- Huelsén, Walter August—Botany
B.S. (*Cornell Univ.*), 1917
- Humphreys, Florence Miller—English
A.M. (*Radcliffe Coll.*), 1915
- Huntington, Harold Allen—Education
B.S., 1922
- Hurst, John Wildeboon—Mathematics
B.S. (*Missouri Univ.*), 1921
- Hyatt, Joseph Lewis—Zoology
B.Ed. (*Illinois State Normal Univ.*), 1921
- Hyde, Elizabeth C—Chemistry
A.B. (*Mount Holyoke Coll.*), 1909
- Ide, Robert Armington—Accountancy
B.S., 1921
- Ingersoll, Arthur William—Organic Chemistry
B.S., M.S. (*Univ. of Nebraska*), 1917, 1918
- Jenkins, Merle Truman—Agronomy
B.S. (*Oregon Agricultural Coll.*), 1916
- Jenkins, Russell Lewis—Chemistry
B.S. (*Univ. of Pittsburgh*), 1920
- Jenkins, Ruth—English
A.B. (*Georgetown Coll.*), 1921
- Jensen, Florence V—English
A.B. (*Univ. of Montana*), 1921
- Jensen, William Jacob—Physics
A.B. (*Carleton Coll.*), 1920
- Johns, Mrs. Alice Gillette—Sociology
B.S. (*Syracuse Univ.*), 1885
- Johns, Jesse Ray—Chemistry
B.S., 1921
- Johnson, Everett Louis—Animal Husbandry
B.S., 1921
- Johnson, Harold Urban—Accountancy
B.S., 1921
- Johnson, John Raven—Organic Chemistry
B.S., 1919
- Johnson, Maynard Stickney—Zoology
A.B. (*Bates Coll.*), 1921
- Johnston, Francis Edgar—Mathematics
A.B. (*George Washington Univ.*), 1921
- Johnston, Mrs. Nell Bonar—Education
A.B. (*Converse Coll.*), 1899
- Jones, Ralph Coughenour—Economics
128 hours (*Univ. of Illinois*)
- Jones, Valentine Austin—Inorganic Chemistry
B.S., 1921
- Junkin, Della Darle—Chemistry
A.B., (*Univ. of Michigan*), 1912
M.S., 1921
- Kammlade, William Garfield—Animal Husbandry
B.S. (*Univ. of Wisconsin*), 1915
M.S., 1917
- Karrer, Roselle Mae—Zoology
A.B., 1921
- Kaufmann, Ralph J—Organic Chemistry
A.B., A.M. (*Oberlin Coll.*), 1918
- Kaufmann, Wilford Edward—Organic Chemistry
A.B. (*Oberlin Coll.*), 1918
- Keith, Mary Helen—Animal Nutrition
B.S. (*Mount Holyoke Coll.*), 1894
A.M. (*Columbia Univ.*), 1904
- SS * *Champaign*
- * *Lander, Wyoming*
- * *Kewanee*
- SS * *Bloomington*
- * † *Olmsted Falls, Ohio*
- * *Wichita, Kansas*
- * † *Osceola, Nebraska*
- SS *Assumption*
- * † *Lisle*
- * † *Lin Cheng, China*
- † *Urbana*
- * † *Urbana*
- SS * † *Urbana*
- * † *Urbana*
- * † *Denver, Colorado*
- † *Urbana*
- * † *Garden City, Missouri*
- * † *Benham, Indiana*
- SS * † *Malone, New York*
- * † *Washington, D. C.*
- SS * † *Cook, Nebraska*
- SS * *Bloomington*
- SS * † *Richmond, Indiana*
- * † *Georgetown, Kentucky*
- * *Billings, Montana*
- * † *Currie, Minnesota*
- SS * *Champaign*
- * *Rockford*
- SS * † *St. Charles*
- * † *Anchor*
- * † *Chicago*
- * † *Brownville, Maine*
- * † *Washington, D. C.*
- * † *Urbana*
- † *Fairfield*
- * † *Buffalo, New York*
- * † *Great Falls, Montana*
- † *Urbana*
- SS * † *Seattle, Washington*
- SS * † *Cleveland, Ohio*
- * † *Cleveland, Ohio*
- † *Braintree, Massachusetts*

Kelley Cornelia Pulsifer—English A.B. (<i>Colby Coll.</i>), 1918 A.M. (<i>Kadlife Coll.</i>), 1920	* †	<i>Waterville, Main</i>
Kelley, Victor Wendell—Education B.S., 1921	*	<i>Fairfield</i>
Kendall, Forrest Everett—Chemistry B.S., 1921	* †	<i>Victoria</i>
Ketcham, Earle Hoyt—Political Science Ph.B. (<i>Univ. of Chicago</i>), 1919 M.A. (<i>Univ. of Michigan</i>), 1921	* †	<i>Grand Rapids, Michigan</i>
Kienholz, Aaron Raymond—Botany B.S. (<i>Northwestern Coll.</i>), 1917 M.S., 1920	* †	<i>Big Stone City, South Dakota</i>
Killefer, Raymond Colonius—Chemistry B.S., 1921	SS	<i>Urbana</i>
King, William Robert, Jr.—Chemistry B.S. (<i>Monmouth Coll.</i>), 1920	SS * †	<i>New York, New York</i>
Kingsley, Howard L.—Psychology A.B. (<i>Adrian Coll.</i>), 1915 A.M. (<i>Univ. of Michigan</i>), 1916	* †	<i>Coldwater, Michigan</i>
Kintigh, Stanley William—Education A.B. (<i>Kansas City Univ.</i>), 1914	*	<i>Raymore, Missouri</i>
Kirby, Edna Elvera—History A.B. (<i>Eureka Coll.</i>), 1916	SS	<i>Eureka</i>
Kirk, James Thornton—Education A.B. (<i>Eureka Coll.</i>), 1900 A.M., 1911	SS	<i>Champaign</i>
Klages, Karl Henry William—Agronomy B.S. (<i>Oregon State Agricultural Coll.</i>), 1921	* †	<i>Corvallis, Oregon</i>
Klaragard, Sever—Economics A.B. (<i>St. Olaf Coll.</i>), 1917	SS	<i>Buxton, North Dakota</i>
Kneier, Charles Mayard—Political Science A.B., 1922 ¹	†	<i>Keyesport</i>
Knight, Abner Richard ¹ —Electrical Engineering M.E. (<i>Ohio State Univ.</i>), 1909 M.S., 1917	* †	<i>Columbus, Ohio</i>
Knight, Elizabeth Esther—Mathematics A.B. (<i>James Millikin Univ.</i>), 1919	* †	<i>Alexandria, Louisiana</i>
Knox, Guy Mortimer—French A.B. (<i>Syracuse Univ.</i>), 1907	* †	<i>Washington, Iowa</i>
Knox, John Harvey—Animal Husbandry B.S. (<i>Ohio State Univ.</i>), 1921	* †	<i>Painesville, Ohio</i>
Koehler, Walter Allus—Ceramic Chemistry B.S., Ch.E. (<i>Univ. of Wisconsin</i>), 1919, 1920	* †	<i>Manitowoc, Wisconsin</i>
Koten, Irvin Alvin—Organic Chemistry A.B. (<i>North Western Coll.</i>), 1920 M.S., 1921	SS * †	<i>Two Rivers, Wisconsin</i>
Krieg, Amelia—Romance Languages A.B., B.L.S., 1917, 1920	* †	<i>Riverside</i>
Kreger, Clarence William—Organic Chemistry A.B. (<i>Miami Univ.</i>), 1919	*	<i>Cincinnati, Ohio</i>
Kuch, Mildred C—English A.B., 1920	SS	<i>Clinton</i>
Kugimiya, Iwao—Railway Civil Engineering Degree—(<i>Tokyo Imperial Univ.</i>), 1912	*	<i>Tokyo, Japan</i>
Laible, Russell James—Animal Husbandry B.S., 1920	* †	<i>Freeport</i>
Lamb, John, Jr.—Agronomy B.S., 1918	†	<i>Newton</i>
Landis, Paul Nissley—English A.B., 1913 A.M. (<i>Franklin & Marshall Coll.</i>), 1915	* †	<i>Womelsdorf, Pennsylvania</i>
Landon, Charles Earl—Economics A.B., M.A. (<i>Kansas Univ.</i>), 1920, 1921	* †	<i>Mayetta, Kansas</i>
Lang, Alvin Leonard—Agronomy B.S., 1920	†	<i>Dixon</i>
Langford, Ernest—Architectural Engineering B.S. (<i>Texas Agricultural & Mechanical Coll.</i>), 1913	* †	<i>Bertram, Texas</i>
Langley, Wilson Davis—Organic Chemistry B.S., M.S. (<i>Illinois Wesleyan Univ.</i>), 1918, 1919	SS * †	<i>Erie, Pennsylvania</i>
Lapp, Claude Jerome—Physics A.B. (<i>Albion Coll.</i>), 1917 A.M., 1920	* †	<i>Richmond, Michigan</i>
Larson, Hugo Christian—Chemistry A.B. (<i>Augustana Coll.</i>), 1919	* †	<i>Rook Island</i>
Larson, Louis John—Theoretical and Applied Mechanics B.A. (<i>Augustana Coll.</i>), 1921	†	<i>Urbana</i>
Lash, Clarence R—Agronomy B.S., 1922	†	<i>Big Rock</i>
Lauter, Carl J—Chemistry B.S., 1911	*	<i>Quincy</i>
Lawson, Vena Frances—English B.Ed. (<i>Illinois State Normal Univ.</i>), 1917	SS	<i>Decatur</i>
Leichsenring, Jane Marie—Physiology B.S., M.S., 1919, 1921	SS * †	<i>Gross Point</i>

¹Candidate for professional degree in engineering.

Leigh, William Mu Yao—Chemistry B.S. (<i>Pei Yang Univ.</i>), 1919	* †	Kiangsi, China
Leisy, Ernest Erwin—English Literature A.B. (<i>Univ. of Kansas</i>), 1913 A.M. (<i>Univ. of Chicago</i>), 1917		
Le Marr, Paul Earl—History B.E. (<i>Illinois State Normal Univ.</i>), 1918	SS * †	Salem, Oregon
Leurig, Paul Murray—English A.B. (<i>Illinois Coll.</i>), 1918	SS	Carlinville
Lewis, Ernest Paul—Horticulture B.S. (<i>Purdue Univ.</i>), 1920	SS	Jacksonville
Li, Kuan Chung—Economics B.S. (<i>Peking Government Univ.</i>), 1919	* †	New Richmond, Indiana
Libman, Earl Emanuel—Chemistry B.S., M.S., 1916, 1920	†	Peking, China
Linkins, Ralph Harlan—Zoology A.B. (<i>Illinois Coll.</i>), 1911	* †	Urbana
Linn, Frank C—Mechanical Engineering A.B. (<i>Leland Stanford Univ.</i>), 1920	SS	Urbana
Linsley, Cyde Maurice—Soils B.S., 1916	†	Merced, California
Liu, Chin Chang—Economics A.B. (<i>Peking Univ.</i>), 1916	†	Fairfield
Liu, Chi Pau—Mining Engineering B.S. (<i>Pei Yang Univ.</i>), 1919 M.A. (<i>Columbia Univ.</i>), 1920	*	Hsien, China
Lochte, Harry Louis—Organic Chemistry A.B. (<i>Univ. of Texas</i>), 1918	* †	Hunan, China
Lorance, George Joel—Physics B.S. (<i>Drake Univ.</i>), 1921	SS * †	Fredericksburg, Texas
Lougee, Dora Aileen—Latin A.B. (<i>Bates Coll.</i>), 1917 A.M., 1921	* †	Des Moines, Iowa
Lougee, Flora Marion—Inorganic Chemistry A.B. (<i>Bates Coll.</i>), 1914 A.M., 1921	* †	Lewiston, Maine
Lowe, Lucretia—English A.B., A.M. (<i>Radcliffe Coll.</i>), 1918, 1919	* †	Lewiston, Maine
Lundgren, Frederick Gunard—Mechanical Engineering B.S., 1915	*	Andover, Massachusetts
Lynch, Helen Charlotte—Economics B.S., 1921	* †	Detroit, Michigan
McAllister, Perry Waldo—Education A.B. (<i>De Pauw Univ.</i>), 1916	†	Mattoon
McAnally, Marian Pace—English A.B., 1920	SS	Lovington
McAnutty, Leona—Education B.S. (<i>Carthage Coll.</i>), 1916	* †	Mt. Vernon
McCammon, Martha—English A.B., 1918	SS	Carthage
McClellan, Robert Phillips—Electrical Engineering B.S. (<i>Union Coll.</i>), 1921	* †	Lebanon
McClusky, Frederick Dean—Education A.B. (<i>Park Coll.</i>), 1917 A.M. (<i>Univ. of Chicago</i>), 1920	* †	Nassau, New York
McConagha, William Albert—Economics B.S. (<i>Muskingum Coll.</i>), 1917	*	Parkville, Missouri
McConkey, Oswald—Agronomy B.S.A. (<i>Ontario Agricultural Coll.</i>), 1917	* †	New Concord, Ohio
McCrea, Forrest Draper—Bacteriology A.B. (<i>Purdue Univ.</i>), 1918	* †	Cayley, Canada
McCusker, Ruth—English A.B. (<i>Eureka Coll.</i>), 1921	* †	Attica, Indiana
McElvain, Samuel Marion—Organic Chemistry B.S. (<i>Washington Univ.</i>), 1920	* †	Mattoon
McFarlan, Lee Horace—Mathematics B.S. (<i>Kansas State Normal Univ.</i>), 1917	* †	St. Louis, Missouri
MacFarlane, Henry Dudley—Business Organization and Operation A.B. (<i>Lawrence Coll.</i>), 1921	SS * †	Parsons, Kansas
MacGillivray, John H.—Botany B.S., 1921	* †	Oconto, Wisconsin
McGinty, Daniel Arthur—Chemistry A.B., A.M. (<i>Univ. of Denver</i>), 1920, 1921	* †	Urbana
McHarry, Liesette Jane—Education A.B., 1912	* †	Denver, Colorado
McMinn, Ney Lannes—English Ph.B. (<i>Westminster Coll.</i>), 1920	SS * †	Champaign
McIntyre, Robson Duncan—Business Organization and Operation B.S., 1921	* †	Jamestown, Pennsylvania
McMullan, Wilbur Neal—Economics A.B. (<i>De Pauw Univ.</i>), 1921	* †	Wilmington
McNeely, John Knox—Electrical Engineering A.M. (<i>Univ. of Southern California</i>), 1917	* †	Marion, Indiana
McSparran, Dorothy—English A.B. (<i>Cornell Univ.</i>), 1918	* †	Los Angeles, California
		* † Furniss, Pennsylvania

¹Candidate for professional degree in engineering.

Mach, George Robert—Business Organization and Operation B.S., 1921	* † Brookfield
Machin, James Stewart—Chemistry A.B. (<i>Westminster Coll.</i>), 1921	* † Bluffton, Missouri
Mackey, Arthur Kapp—Animal Husbandry B.S. (<i>Purdue Univ.</i>), 1921	* † Logansport, Indiana
Madden, Grace Erminie—Education A.B., 1917	SS * † Clinton
Malecki, John Daniel—Chemistry B.S., 1922	† Oak Park
Malloch, Walter Scott—Genetics B.S., M.S. (<i>Univ. of California</i>), 1919, 1920	* † Berkeley, California
Mandeville, Merten Joseph—Business Organization and Operation B.S., 1921	* † Terre Haute, Indiana
Mapes, Lester Ryan—Chemistry B.S. (<i>Carthage Coll.</i>), 1916	SS Ferris
Maricle, Raymond Fletcher—Chemistry A.B. (<i>Nebraska Wesleyan Univ.</i>), 1921	* Boone, Nebraska
Martin, Earl Webb—Mathematics B.S. (<i>Univ. of Chicago</i>), 1917	SS * Los Angeles, California
Martin, Frank W.—Mechanical Engineering B.S. (<i>George Washington Univ.</i>), 1920	† Urbana
Matheny, Arthur Rolla—Agronomy B.S., 1920	SS Bismarck
Mathews, Alvin Gugeler—Business Organization and Operation B.S., 1921	* † Danville, Iowa
Maxwell, Cyrus Haymond, Jr.—Animal Husbandry B.S. (<i>Univ. of West Virginia</i>), 1921	* † Morgantown, W. Virginia
Maxwell, Raymond Jones—Spanish A.B., 1918	SS Indianapolis, Indiana
Mayhew, Roy Lewis—Zoology B.S. (<i>Iowa Wesleyan Coll.</i>), 1914	* † Washington
M.A. (<i>James Millikin Univ.</i>), 1917	
Mazer, Gregory M—Latin A.B. (<i>Harvard Univ.</i>), 1917	* † Roxbury, Massachusetts
Melvin, Virginia—Spanish A.B., A.M. (<i>Univ. of Kansas</i>), 1920, 1921	* Lawrence, Kansas
Mendoza, Jose Miguel—Botany B.S.A. (<i>Oregon Agricultural Coll.</i>), 1921	* † Singayen, Philippine Islands
Mesenkamp, Louis Edward—Mathematics A.B., 1916	SS Freeport
Merriam, Cordelia Beatrice—Spanish B.A. (<i>Smith Coll.</i>), 1920	* † Blackinton, Massachusetts
Meyer, Alfred Herman Ludwig—Geology A.B., 1921	* † Venedy
Michaels, Ernest Edwin—Civil Engineering B.S. (<i>South Dakota State Coll.</i>), 1920	* † Watertown, South Dakota
Miles, Margaret Leslie—Romance Languages A.B., 1921	* † La Grange
Miller, Earl Joyce—Economics A.B. (<i>Simpson Coll.</i>), 1916	SS * † Indianola, Iowa
A.M., 1921	
Miller, Mrs. Elva Pumphrey—Bacteriology B.A., M.S. (<i>Ohio Wesleyan Univ.</i>), 1918, 1919	* † Urbana
Miller, Forrest Jennings—Geology A.B., A.M. (<i>Univ. of Kansas</i>), 1916, 1918	* † Kansas City, Missouri
Miller, Harry Milton, Jr.—Zoology B.S. (<i>Ohio Wesleyan Univ.</i>), 1917	* † Baltimore, Maryland
Miller, Marcus Gilbert—Architecture B.S., 1914	* † Youngstown, Ohio
Mills, Helen Thompson—Sociology A.B. (<i>Miami Univ.</i>), 1919	SS † Chattanooga, Tennessee
Mills, Lindley E.—Organic Chemistry A.B. (<i>Miami Univ.</i>), 1918	SS * † Urbana
Milton, Charles—Geology A.B. (<i>Univ. of Iowa</i>), 1922	† Chicago
Mine, Yoshijiro—Architectural Design A.B. (<i>Waseda Univ.</i>), 1918	* † Nagahama, Japan
Modesitt, Raymond Lyons—Mathematics A.B., A.M. (<i>Indiana Univ.</i>), 1908, 1909	SS Atherton, Indiana
Moore, Harry Albert—Electrical Engineering B.S., 1910	* † Salt Lake City, Utah
Moose, Joseph Eugene—Chemistry A.B. (<i>Southern Methodist Univ.</i>), 1917	SS * † Urbana
Morales, Maximo Eladio—Organic Chemistry B.S., 1921	* Lima, Peru
Morgan, Irving Bancroft—Chemistry 127½ hours, (<i>Univ. of Illinois</i>)	† Buffalo, New York
Morrison, Lethe Eleanora—Bacteriology A.B., 1919	SS * † Waterloo
Mowery, William Byron—English A.B., 1921	SS * † Danville
Mullins, Edgar Raymond—Education A.B. (<i>Indiana Univ.</i>), 1917	SS Flat Rock

¹Candidate for professional degree in engineering.

Mulnix, Emory Schriver—Education B.S., 1921	* † Lena
Munn, Lottie Ella—Chemistry A.B. (<i>Baldwin-Wallace Coll.</i>), 1917	* † Grafton, Ohio
Munson, John Leonard—Animal Husbandry B.S., 1913	* Randolph
Myerea, Thomas Douglas ¹ —Civil Engineering B.S., 1909	* † Toronto, Canada
Myers, Lena Josephine—English A.B., A.M., 1913, 1918	* † Quincy
Naito, Yoso—Electrical Engineering Degree (<i>Tohoku Imperial Univ.</i>), 1913 M.S., 1921	SS Onoda, Japan
Nauman, Robert Henry—Chemistry A.B. (<i>Northwestern Coll.</i>), 1920	SS Mendota
Navias, Louis—Chemistry B.S. (<i>College of the City of New York</i>), 1918	SS * † Rochester, New York
Needham, Marguerita—English A.B., 1920	* † Urbana
Nelson, Alfred Clarence—Chemistry B.S., M.S. (<i>Univ. of Denver</i>), 1920, 1921	* † Denver, Colorado
Nelson, Norman Edward—English B.A., M.A. (<i>Univ. of Minnesota</i>), 1921	* † Minneapolis, Minnesota
Nelson, Roy Andrew—Physics B.S. (<i>Knox Coll.</i>), 1916	SS * † Joy
Nelson, Severina Elaine—English A.B., 1918	* † Dallas, Texas
Nevyas, Jacob—Chemistry A.B. (<i>Swarthmore Coll.</i>), 1919	* † West Chester, Pennsylvania
Newburn, Iva Florence—Home Economics A.B., 1918	* Urbana
Newman, Clarence William—Geology 133 $\frac{3}{4}$ hours (<i>Univ. of Illinois</i>)	† Champaign
Nolan, Aretas W.—Education A.B. (<i>Indiana Univ.</i>), 1905 M.S. (<i>Univ. of West Virginia</i>), 1911	* † Urbana
Nordlie, Leonard Truman—Economics A.B. (<i>Concordia Coll.</i>), 1917	* † Deerfield, Wisconsin
North, Edward O.—Chemistry B.S. (<i>Beloit Coll.</i>), 1918	* † Rockford
Obenshain, Ivan Jennings—American History A.B. (<i>Hedding Coll.</i>), 1921	* † Galva
Odell, Charles Watters—Education A.B., A.M. (<i>De Pauw Univ.</i>), 1911, 1912	SS * † Urbana
O'Donnell, Thomas Edward—History of Architecture B.S., 1913	* † Olney
Oesterling, Henry Carl—English A.B. (<i>Westminster Coll.</i>), 1915	SS * † Butler, Pennsylvania
Ogden, Katharine—Organic Chemistry A.B. (<i>Passar Coll.</i>), 1918	* † Ithaca, New York
Olson, Willard Martin—Municipal and Sanitary Engineering B.S. (<i>Univ. of Nebraska</i>), 1921	* † Wahoo, Nebraska
Osawa, Ichiro—Theoretical and Applied Mechanics B.S. (<i>Waseda Univ.</i>), 1914	* † Tokyo, Japan
Osborn, John Balfour—Agronomy B.S. (<i>Transvaal Univ. Coll.</i>), 1920	* † Johannesburg, South Africa
Osborne, Pauline Theodora—English A.B., 1916	SS Champaign
Osgood, William Ruprecht—Theoretical and Applied Mechanics A.B. (<i>Harvard Coll.</i>), 1917	* † Cambridge, Massachusetts
Otanes, Faustino Quesales—Entomology A.B., 1921	SS * † Lupao, Philippine Islands
Overend, Harrison George—Architecture B.S., 1917	* Wichita, Kansas
Palmer, Charles Shattuck—Chemistry B.S., M.S., 1917, 1920	SS * Urbana
Park, Mary Melissa—Mathematics A.B. (<i>Wheaton Coll.</i>), 1920	* † Wheaton
Parkerson, William—Physics B.A. (<i>Tulane Univ.</i>), 1919	SS * † New Orleans, Louisiana
Parks, Earl Erwin—Chemistry B.A. (<i>Oberlin Coll.</i>), 1918	SS * Clyde, Ohio
Patton, Audley Everett—Business Organization and Operation B.S., 1921	* † Colorado Springs, Colorado
Pawn, Zun Lean—Railway Mechanical Engineering B.S., 1921	* † Soochow, China
Pect, Charles Heman—Organic Chemistry A.B. (<i>Hope Coll.</i>), 1914 M.S., 1921	SS * † Grand Rapids, Michigan
Pei, Ching Pong—Railway Engineering B.S. (<i>Tangshan Engineering Coll.</i>), 1921	* † Soochow, China
Pendegast, Mary Honora—Education A.B., A.M., 1917, 1918	* † Charleston

¹Candidate for professional degree in engineering.

Perkins, Edward Everett, Jr.—Electrical Engineering B.S. (<i>John Hopkins Univ.</i>), 1917		* † <i>Springfield, Maryland</i>
Perrott, Richard Henry—Education A.B., 1916	SS	<i>Champaign</i>
Peterson, Lester Carlisle—Chemistry B.S., 1920		* <i>Champaign</i>
Peterson, Ruben Walter—Dairy Husbandry B.S., 1917		* † <i>Chicago</i>
Pettit, Harvey Pierson—Mathematics A.B. (<i>Kalamazoo Coll.</i>), 1914 A.M. (<i>Univ. of Kentucky</i>), 1919	SS	* † <i>Bellevue, Michigan</i>
Pierce, John Stanton—Organic Chemistry B.S. (<i>Georgetown Coll.</i>), 1920 M.S., 1921	SS	* † <i>Catlettsburg, Kentucky</i>
Pleasants, Annie Lewis—Biology B.A. (<i>Maryville Coll.</i>), 1917		* † <i>Burlington, North Carolina</i>
Plunkett, Orda Allen—Botany A.B. (<i>Wabash Coll.</i>), 1920		* † <i>Crawfordsville, Indiana</i>
Porter, Charley Lyman—Botany A.B., M.A., 1913, 1921	SS	* † <i>Urbana</i>
Porter, Philip Kelsey—Organic Chemistry A.B. (<i>Grinnell Coll.</i>), 1918 M.A., 1921	SS	* † <i>Stuart, Iowa</i>
Powell, Burt Eardley—Education Ph.B. (<i>Grinnell Coll.</i>), 1899	SS	<i>Urbana</i>
Prante, Beulah Wise—English A.B., A.M., 1919, 1920		* † <i>Quincy</i>
Prather, Orra—English A.B. (<i>Southwestern Coll.</i>), 1917 A.M. (<i>Univ. of Kansas</i>), 1918		† <i>Winfield, Kansas</i>
Price, Edward Pugh—Electrical Engineering B.S. (<i>Univ. of Texas</i>), 1921		* † <i>Hereford, Texas</i>
Price, Mrs. Edward P—Chemistry Work completed for B.A., (<i>Univ. of Texas</i>)		† <i>Champaign</i>
Prout, Emma Rice—Zoology A.B. (<i>Wells Coll.</i>), 1920		* † <i>Rensselaerville, New York</i>
Pullen, Amedee Raymond—Agronomy B.S. (<i>Transvaal Univ.</i>), 1920		* † <i>Rustenburg, South Africa</i>
Quick, Armand James—Organic Chemistry B.S., M.S. (<i>Univ. of Wisconsin</i>), 1918, 1919	SS	* <i>Theresa, Wisconsin</i>
Rabenau, John—Accountancy B.S., 1921		* † <i>St. Louis, Missouri</i>
Raines, Merle Vincent—English A.B., 1921		* † <i>Champaign</i>
Rand, Helen Margaret—English A.B. (<i>Colorado Coll.</i>), 1913 A.M. (<i>Radcliffe Coll.</i>), 1918		* † <i>Salt Lake City, Utah</i>
Rasmussen, Harold Eijner—Business Organization and Operation B.S., 1921		* † <i>Chicago</i>
Rassweiler, Clifford Fred—Chemistry A.B. (<i>Univ. of Denver</i>), 1920		* † <i>Lewisburg, Pennsylvania</i>
Rauchenstein, Emil—Economics B.S. (<i>Univ. of Wisconsin</i>), 1911		* † <i>Rice Lake, Wisconsin</i>
Rector, Gordon—Geology B.S. (<i>Denison Univ.</i>), 1921		* † <i>Pawtucket, Rhode Island</i>
Reid, Dwight Logan—Education B.A., M.S. (<i>Univ. of Wisconsin</i>), 1915, 1918	SS	* † <i>Urbana</i>
Reinsch, Bernhard Paul—Architecture A.B., B.S., M.S., 1918, 1920, 1921		* † <i>Dubuque, Iowa</i>
Renne, Elsie Rose—English B.A. (<i>Washington State Coll.</i>), 1920	SS	<i>Springfield</i>
Renner, Theresa Marie—Mathematics B.S. (<i>Blackburn Coll.</i>), 1915		* † <i>Carlinville</i>
Rice, Warner Grenelle—English A.B., 1920		* † <i>Aurora</i>
Richart, Frank Irwin ¹ —Civil Engineering B.S., M.S., 1914, 1915		* † <i>Urbana</i>
Richmond, Thomas Everett—Agronomy A.B., M.S. (<i>Ohio State Univ.</i>), 1913, 1914	SS	* <i>Cleveland, Ohio</i>
Ricketts, Mabel Domeau—Education A.B. (<i>Univ. of Nebraska</i>), 1897	SS	<i>Urbana</i>
Riggins, Goldye B—History A.B. (<i>Greenville Coll.</i>), 1920	SS	<i>Sorento</i>
Riggins, Maude Irene—English A.B. (<i>Greenville Coll.</i>), 1920	SS	<i>Sorento</i>
Ringland, Mrs. Anna Edith Day—English A.B. (<i>Illinois Coll.</i>), 1907 A.M., 1908		* † <i>Jacksonville</i>
Roberts, William Everett—Sociology A.B. (<i>Occidental Coll.</i>), 1909		* <i>Champaign</i>
Robertson, Robert Crawford—Pathology A.B., 1921		* <i>Coulterville</i>
Robey, Lewis Cleon—Education A.B. (<i>Wabash Coll.</i>), 1903	SS	<i>Morrisonville</i>

¹Candidate for professional degree in engineering.

Robinson, Anna Belle—Education A.B., 1912		* † Granville
Rodewald, Charles William—Organic Chemistry B.S., M.S., 1920, 1921	SS	* † Rushville
Roman, Frank Louis—Chemistry B.S., 1911		* † Springfield
Romya, Anton Eric—Agronomy B.S. (<i>Univ. of Toronto</i>), 1916 M.S., 1920	SS	* † Pretoria, South Africa
Ross, Harry Albert—Economics B.S., 1917		* † Urbana
Roth, Walter John—Economics B.S., 1920		* Denver, Colorado
Rouch, Samuel Earl—Education A.B. (<i>Indiana Univ.</i>), 1920	SS	Kewanna, Indiana
Rowley, John William—Civil Engineering B.S. (<i>Univ. of Missouri</i>), 1921		* † Bowling Green, Missouri
Rubin, Alfred Lowe—Animal Husbandry B.S. (<i>Univ. of Missouri</i>), 1914		* Murfreesboro, Tennessee
Ruhle, George Cornelius—Chemistry B.S., 1921		* † Kankakee
Rutherford, Elizabeth Jane—Psychology A.B., A.M., 1919, 1921	SS	Oakland
Ryan, Ruth Winifred—Botany A.B. (<i>St. Clara Coll.</i>), 1921		* † Appleton, Wisconsin
Samuel, Dorothea—English B.S., 1921		† Philadelphia, Pennsylvania
Sanders, William Howard—Physics A.B., 1920	SS	* † La Crosse, Wisconsin
Sanford, Mrs. Grace Sloan—English B.E. (<i>Illinois State Normal Univ.</i>), 1920	SS	Effingham
Sanmann, Frank Paul—Dairy Husbandry B.S., 1921		* † Havana
Sauto, Hisata Asbury—History A.B. (<i>De Pauw Univ.</i>), 1920	SS	* † Okayama, Japan
Sayre, Charles Bovett—Horticulture B.S., 1913		* Chicago
Schapiro, Koppel—Civil Engineering B.S. (<i>Univ. of Texas</i>), 1921		* † San Antonio, Texas
Schlatter, Charles F—Accountancy B.S. (<i>South Dakota State Coll.</i>), 1916		* † Pulaske, Iowa
Schmaelzle, Otto Ignatius—Education B.S., 1920	SS	Charleston
Schmidt, Clarence Carl—Physics A.B. (<i>Cornell Coll.</i>), 1917 A.M., 1921	SS	* † Urbana
Schneider, Ralph Fred—Chemistry B.S., M.S., 1919, 1920	SS	* † Wheatland, Iowa
Scholl, Carl A—Animal Husbandry B.S.A. (<i>Univ. of Alberta</i>), 1918		* † Chicago
Schrider, George W—Animal Husbandry B.S. (<i>Ohio State Univ.</i>), 1921		† Bryan, Ohio
Schuler, Don Brull—Architecture B.S., 1916		* † Wichita, Kansas
Schwalbe, Isabelle Sanderson—English A.B., 1921		* † Urbana
Schwalbe, William Louis—Theoretical and Applied Mechanics B.S. (<i>Univ. of Wisconsin</i>), 1911 M.S., 1920		* † Urbana
Scott, Mary S—History A.B., 1920	SS	Lampasas, Texas
Sears, Ogle Hesse—Agronomy B.S., 1914	SS	* † Lafayette, Indiana
Secard, Arthur Wellesley—English A.B. (<i>Greenville Coll.</i>), 1916 A.M., 1920	SS	* † Nash, Oklahoma
Seehausen, Paul—Education B.S., 1920	SS	Chebanse
Seiler, Eleanor Frances—Physics A.B., A.M. (<i>Univ. of Denver</i>), 1913, 1914 A.M., 1916		* † Denver, Colorado
Sergeant, Amy Gertrude—English A.B. (<i>Univ. of Michigan</i>), 1918		* † Battle Creek, Michigan
Shaw, Hazel Yearsley—Political Science A.B., A.M., 1907, 1908		* † Urbana
Shelton, George Reed—Chemistry A.B. (<i>Univ. of Chicago</i>), 1912	SS	* † Urbana
Sherlaw, Fleming Murray—Animal Husbandry B.S., 1921		* † Chicago
Shive, Roy Allen—Organic Chemistry B.S. (<i>Pennsylvania State Coll.</i>), 1914		* † York, Pennsylvania
Short, Lloyd Milton—Political Science A.B. (<i>Knox Coll.</i>), 1919 A.M., 1920		* † Galesburg

¹Candidate for professional degree in engineering.

Shuey, Audrey Mary—Psychology A.B., 1922		† Charleston
Siegrist, Damon Carl—Agronomy B.S., 1918	SS	Effingham
Simons, Joseph H—Chemistry B.S., 1919		* † Chicago
Sloan, William Finlay—Education B.S., 1916	SS	Urbana
Smith, Mrs. Agnes Aronson—English A.B. (<i>Nebraska Wesleyan Univ.</i>), 1918	SS	University Place, Nebraska
Smith, George Edward—Agronomy B.S., 1921		* † Callin
Smith, John Aaron—Education B.Ed. (<i>Illinois State Normal Univ.</i>), 1916		* † Troy
Smith, Jesse Irwin—Sanitary Chemistry A.B. (<i>James Millikin Univ.</i>), 1921		* † Champaign
Smith, Kenneth Orville—Physics A.B. (<i>Cornell Coll.</i>), 1921		* † Morley, Iowa
Smith, Raymond Allyn—French Ph.B. (<i>Univ. of Chicago</i>), 1919		* † Tomah, Wisconsin
Smith, Vivian Thomas—Education A.B. (<i>Greenville Coll.</i>), 1916	SS	Lexington
Snider, Howard John—Agronomy B.S., M.S., 1913, 1921		* † Amelia, Ohio
Somers, Russell Ivan—Organic Chemistry A.B., A.M., 1919, 1920	SS	St. Joseph
Sotola, Jerry—Botany B.S., M.S., 1918, 1921	SS	Pullman, Washington
Souders, Lloyd Bonham—Education B.S. (<i>Kansas State Agricultural Coll.</i>), 1919		* † Hollywood, California
Spencer, Mrs. Blanche Beebe—Education A.B., 1919	SS	Vandalia
Spencer, Victor Elwin—Chemistry B.S., 1915		* Mazon
Sperry, Warren Myron—Chemistry B.S. (<i>Cornell Univ.</i>), 1921		* † Coldwater, New York
Stahl, Matthew George—Botany B.S. (<i>Univ. of South Africa</i>), 1919 M.S. (<i>Kansas State Agricultural Coll.</i>), 1921		* † Middelburg, South Africa
Stark, Robert Walt—Agronomy B.S., 1895		* † Urbana
Stevens, Earl Grover—Education B.E. (<i>Teachers Coll.</i>), 1916	SS	Rantoul
Stevens, Roger Greenleaf—Chemistry B.S., 1920		* † Chicago
Stevenson, Guy—Mathematics A.B. (<i>Georgetown Coll.</i>), 1921		* † Columbia, Kentucky
Stevenson, Paul Raymond—Education B.A. (<i>Park Coll.</i>), 1908 M.A. (<i>Univ. of Cincinnati</i>), 1914 A.M. (<i>Columbia Univ.</i>), 1920	SS	Urbana
Stewart, Otis G—Mining Engineering B.S. (<i>Univ. of West Virginia</i>), 1921		* † East Clarksburg, West Virginia
Stewart, William Blair, Jr.—Economics B.A. (<i>Reed Coll.</i>), 1921		* † Portland, Oregon
Stidley, Leonard—Organic Chemistry A.B. (<i>Carthage Coll.</i>), 1921		* † Fort Madison, Iowa
Stiritz, Benjamin Andrew—Dairy Husbandry B.S., 1918	SS	* † Murphysboro
Storer, Walter Henry—French A.B., A.M., 1919, 1920		* † Centralia
Stoever, Petronilla Gertrude—Education B.S., 1921	SS	Raymond
Sullivan, Ward William—History A.B., A.M., 1911, 1914		* † Thompsonville
Summitt, James Levi—Physics B.S., 1920	SS	Pesotum
Sun, Pen Weu Baldwin—Sociology B.A. (<i>Univ. of Peking</i>), 1918 B.A. (<i>Lawrence Coll.</i>), 1920	SS	* † Chekiang, China
Sweeney, Merle Arthur—English Literature A.B. (<i>Hedding Coll.</i>), 1913 A.M., 1916		* † Prairie City
Syford, Constance Miriam—English Literature A.B., A.M. (<i>Univ. of Nebraska</i>), 1909, 1911		* Lincoln, Nebraska
Tang, Ning Kang—Chemistry B.A. (<i>Shanghai Coll.</i>), 1918 M.S. (<i>Univ. of Chicago</i>), 1921		† Urbana
Taylor, Mildred Ellen—Mathematics A.B. (<i>Oxford Coll.</i>), 1921		* † Virginia
Taylor, Morris Onslow—Chemistry B.S., M.S., 1918, 1920	SS	Geneseo
Taylor, Paul Canaday—Accountancy B.S., 1920		* † Mooresville, Indiana
Taylor, Sarah Helen—Mathematics A.B. (<i>Illinois Coll.</i>), 1920		* † Flora

Teagarden, Irene—Home Economics B.S. (<i>Univ. of Montana</i>), 1915	* †	<i>Missoula, Montana</i>
Thomas, Lyell Jay—Zoology B.S. (<i>Fargo Coll.</i>), 1919	* †	<i>Fargo, North Dakota</i>
Thomas, Royle Price—Soils M.S., 1921		† <i>Sullivan, Indiana</i>
Thompson, David Hiram—Zoology B.S. (<i>Purdue Univ.</i>), 1919		
M.S., 1921	* †	<i>Dayton, Indiana</i>
Thompson, Davis Wesley—Education B.S., 1921	* †	<i>Sidney, Ohio</i>
Thompson, Luther S—Bacteriology A.B. (<i>Clark Coll.</i>), 1916	* †	<i>South Londonderry, Vermont</i>
Thor, Alfred U—Agronomy B.S., 1920		† <i>Rollo</i>
Thornsburch, Zada Goff—Education A.B., 1918	SS	<i>Urbana</i>
Tiilema, John A—Political Science A.B. (<i>Hope Coll.</i>), 1914	* †	<i>Morrison</i>
Tillman, Frank P—Education A.B., B.S., 1913, 1916	SS	<i>Urbana</i>
Titchener, John Bradford—Greek A.B. (<i>Clark Coll.</i>), 1917		
A.M., 1921	* †	<i>Ithaca, New York</i>
Tobias, Frank—Business Organization and Operation B.S., 1921		* † <i>Normal</i>
Tolman, Robert Gardner—Business Organization and Operation B.S., 1921		* † <i>Yonkers, New York</i>
Tomecko, Cyprian George—Chemistry B.A. (<i>St. Procopius Coll.</i>), 1917	SS	* † <i>Listle</i>
Torrance, Mary Elizabeth—English A.B. (<i>Northwestern Univ.</i>), 1920		* † <i>Pontiac</i>
Townsend, Myron Thomas—Zoology B.S. (<i>Bates Coll.</i>), 1918		
M.S., 1921	* †	<i>Brownville, Maine</i>
Tracy, Paul Hubert—Dairy Husbandry B.S., 1920	SS	* † <i>Attica, Indiana</i>
Trams, Albert Francis—English A.B., 1905	SS	<i>Danville</i>
Tripp, Donald A—Economics B.S., 1922		† <i>Elgin</i>
Troutman, William Chilton—English A.B., A.M., 1917, 1918	* †	<i>Carl Junction, Missouri</i>
Trowbridge, Mary Luella—Latin A.B., A.M., 1915, 1916	* †	<i>Green Valley</i>
Tsang, Chuk Yee—Chemistry B.S., 1921		† <i>Hong Kong, China</i>
Tschentke, Herman Louis—Chemistry B.S., 1920	SS	<i>Crescent City</i>
Tschudi, Erwin William—Mathematics A.B., A.M. (<i>Univ. of Cincinnati</i>), 1920, 1921	* †	<i>Cincinnati, Ohio</i>
Tsutsumi, Hideo—Electrical Engineering Degree (<i>Waseda Univ.</i>), 1914	* †	<i>Tokio, Japan</i>
Turman, Claude Kenneth—History A.B. (<i>Indiana Univ.</i>), 1920	* †	<i>Cynthiana, Indiana</i>
Tweedy, Wilbur Rudolph—Chemistry A.B. (<i>Indiana Univ.</i>), 1916	SS	<i>Boonville, Indiana</i>
Uchinura, Sabro—Theoretical and Applied Mechanics Degree (<i>Kyushu Imperial Univ.</i>), 1920	* †	<i>Tokyo, Japan</i>
Udinski, William Phillip—Mathematics B.S., M.S., 1918, 1920	SS	* † <i>Jersey City, New Jersey</i>
Underwood, Claude Roy—Animal Husbandry B.S. (<i>Ohio State Univ.</i>), 1921	* †	<i>Lost Creek, West Virginia</i>
Unfer, Louis—Education B.S. (<i>State Teachers' Coll.</i>), 1920	SS	<i>St. Louis, Missouri</i>
Updegraff, Helen—Physiological Chemistry B.A. (<i>Cornell Univ.</i>), 1915		
A.M., 1917	* †	<i>Prescott, Arizona</i>
Upton, Alita Ferne—English A.B. (<i>Eureka Coll.</i>), 1921	* †	<i>Barnett</i>
Uyei, Nao—Organic Chemistry B.S. (<i>Oregon Agricultural Coll.</i>), 1916		
M.S., 1921	* †	<i>Ohyodo, Japan</i>
Valentine, Roger Wendell—Economics A.B. (<i>McKendree Coll.</i>), 1916		
A.M., 1921	* †	<i>Mt. Vernon</i>
Vandaveer, Frederick Euart—Chemistry B.S., 1922		† <i>White Hall</i>
Vander Veen, George—Chemistry B.S. (<i>Univ. of Chicago</i>), 1917	SS	* † <i>Riverdale</i>
Van Deventer, Frank Macknit—Mechanical Engineering B.S., 1917	* †	<i>Pittsburgh, Pennsylvania</i>

¹Candidate for professional degree in engineering.

- Van Lone, Grant Ellsworth—Physics
Ph.B. (*Lawrence Coll.*), 1916 * † *Ft. Atkinson, Wisconsin*
- Vial, Edmund Ellsworth—Animal Husbandry
131 hours (*Univ. of Illinois*) † *La Grange*
- Vibar, Toribio—Agronomy
B.S.A. (*Coll. of Agriculture, Philippines*), 1920
M.S.A. (*Univ. of the Philippines*), 1921 * † *Camalig, Philippine Islands*
- Villegas, Valente Estrada—Animal Husbandry
B. Agr. (*Univ. of Philippines*), 1913
Ph.D. (*Iowa State Coll.*) 1921 * † *Los Bonos, Philippine Islands*
- Vogele, Alfred Charles—Botany
B.S., M.S., 1918, 1920 * † *Urbana*
- Voorhees, Vanderveer—Chemistry
B.S., 1921 * † *Alton*
- Vrooman, Agnes—English
A.B., 1922 † *Kokomo, Indiana*
- Wagner, Wesley John—Mathematics
A.B. (*Baldwin—Wallace Coll.*), 1918
A.M., 1921
- Wahlen, Frank Gustave—Mathematics SS * † *Elgin*
- Wahlen, Frank Gustave—Mathematics
B.S. (*Tufts Coll.*), 1917
M.S., 1919 SS * *Mt. Pelier, Vermont*
- Walker, Agnes Grieve—English
A.B. (*Coe Coll.*), 1920
A.M., 1921 * *Rochelle*
- Walsted, John Palmer—Chemistry
B.S. (*Oregon State Agricultural Coll.*), 1921 SS * † *Portland, Oregon*
- Walters, Prentice T—Education
A.B., 1917 SS *Macomb*
- Walther, Albertine M—French
Ph.B. (*Univ. of Chicago*), 1917
M.A., 1921 † *Chicago*
- Warren, Hill—Education
B.S., 1922 † *Bluford*
- Washburn, Charles Sidney—Machine Design
B.S., 1915 * † *Urbana*
- Watson, Elwood Kay—Economics
Work completed for A.B. (*DePauw Univ.*) † *Corydon, Indiana*
- Watson, Malcolm Hamilton—Farm Organization and Management
B.S., 1920 * *Chicago*
- Webster, Edwin Herbert—Inorganic Chemistry
B.S., 1921 * † *Chicago*
- Weese, Asa Orrin—Ecology
B.A. (*Univ. of Minnesota*), 1909
A.M., 1918 SS * † *Minneapolis, Minnesota*
- Weese, Josephine Mousley—Latin
B.A. (*Univ. of Minnesota*), 1909 * † *Litchfield, Minnesota*
- Weinard, Frederick Francis—Botany
B.S., M.A. (*Univ. of Nebraska*), 1916, 1917 * † *Lincoln, Nebraska*
- Weinhold, George Alfred—Chemistry
B.S. (*Union Coll.*), 1920 SS * † *Schenectady, New York*
- Werner, Elsie Ann—Education
A.B., 1921 SS * † *Normal*
- Werner, Mabel Marie—Education
A.B. (*Monmouth Coll.*), 1918 SS *Farmington*
- West, Henry Carson—French
A.B. (*Trinity Coll.*), 1917 * † *Durham, North Carolina*
- Westerman, Richard Wilbert—Chemistry
B.S., 1920 * † *Quincy*
- White, Howard—Political Science
A.B. (*Southwestern Coll.*), 1916
A.M. (*Univ. of Kansas*), 1917 * † *Winsfeld, Kansas*
- White, William Matthew—Animal Husbandry
B.S. (*Notre Dame Univ.*), 1921 * † *Ottawa*
- Wiedrich, Jacob Christian—Education
A.B. (*Coll. of Emporia*), 1913 SS *Sycamore*
- Wierda, John—Chemistry
A.B. (*Hope Coll.*), 1921 * † *Holland, Michigan*
- Wildman, Ernest Atkins—Chemistry
B.S. (*Earlham Coll.*), 1912
M.S., 1914 SS *Richmond, Indiana*
- Wilk, Harry Arthur—Education
A.B., 1920 SS *Kinmundy*
- Williams, Lewis Ward—Education
Ph.B. (*Hiram Coll.*), 1909
A.M., 1918 SS * † *Newton Falls, Ohio*
- Williams, Ruth Alexander—American History
A.B. (*Rockford Coll.*), 1921 * † *Rockford*
- Wilson, Ella Mac—Romance Languages
B.A. (*Vanderbilt Univ.*), 1919 * † *Nashville, Tennessee*
- Wilson, Thomas Adam—Physical Chemistry
A.B. (*Syracuse Univ.*), 1919
M.S., 1921 * † *Middletown, New York*
- Wilson, William Courtney—Organic Chemistry
B.S. (*Westminster Coll.*), 1917
M.S., 1920 SS * † *New Wilmington, Pa.*

Wimer, David Cleveland—Agronomy B.S. (<i>Pennsylvania State Coll.</i>), 1915	* † <i>Quarryville, Pennsylvania</i>
Wold, Ingall Ensor—Education B.S., 1916	
Wonsetler, Joseph B—Physics A.B. (<i>Miami Univ.</i>), 1916	SS <i>Rockford</i>
Woodard, John—Soils B.S., A.M. (<i>Univ. of Missouri</i>), 1910, 1914	SS <i>Roswell, New Mexico</i>
Worsham, Walter Boatman—Physics A.B., 1912	* † <i>Urbana</i>
Wylie, Charles Clayton—Astronomy A.B. (<i>Park Coll.</i>), 1908	* † <i>Paris</i>
A.M. (<i>Univ. of Missouri</i>), 1912	
Yancey, Harry Fagan—Chemistry A.B., A.M. (<i>Univ. of Missouri</i>), 1913, 1915	SS * † <i>Marissa</i>
Yao, Hsing Huang—Agronomy B.S.A., M.S.A. (<i>Utah Agricultural Coll.</i>), 1920, 1921	SS * † <i>Urbana</i>
Yntema, Theodore Otte—Chemistry A.B. (<i>Hope Coll.</i>), 1921	* † <i>Shanghai, China</i>
Young, Everett Gillham ¹ —Mechanical Engineering B.S., M.S., 1913, 1916	* † <i>Holland, Michigan</i>
Young, Paul Allen—Botany A.B. (<i>Wabash Coll.</i>), 1921	* † <i>Shanghai, China</i>
Young, William M—Electrical Engineering B.S., 1921	* † <i>Huntertown, Indiana</i>
Zavodsky, Joseph—Organic Chemistry B.S. (<i>Univ. of Nebraska</i>), 1907	* † <i>Omaha, Nebraska</i>
Zellhoefer, Glenn Faber—Chemistry B.S., 1921	* <i>Newman Grove, Nebraska</i>
	SS <i>LeRoy</i>

¹Candidate for professional degree in engineering.

UNDERGRADUATE AND PROFESSIONAL COLLEGES AND SCHOOLS IN URBANA, 1921-1922

(Including the Colleges of Liberal Arts and Sciences, Commerce and Business Administration, Education, Engineering, Agriculture, and Law, the Library School, and the School of Music)

ABBREVIATIONS

Curriculums

Acy	Accountancy	LG	Landscape Gardening
Agr	General Agriculture	Lib	Library Science
AE	Architectural Engineering	MedP	Medical Preparatory
Arch	Architecture	ME	Mechanical Engineering
Ath	Athletic Coaching	MinE	Mining Engineering
Bank	Banking	MSE	Municipal & Sanitary Engineering
Bus	General Business	Mus	Music
C&L	Commerce and Law	RA	Railway Administration
CCS	Commercial and Civic Secretaries	RCE	Railway Civil Engineering
CE	Civil Engineering	REE	Railway Electrical Engineering
CerE	Ceramic Engineering	RME	Railway Mechanical Engineering
Chem	Chemistry	RT	Railway Transportation
ChE	Chemical Engineering	SHAAgr	Smith-Hughes Teacher Training in Agriculture, College of Agriculture
ComT	Commercial Teachers		
Ed	General Education		
EE	Electrical Engineering	SHAEd	Smith-Hughes Teacher Training in Agriculture, College of Education
Eng	General Engineering	SHHEEd	Smith-Hughes Teacher Training in Home Economics, College of Education
EngPh	General Engineering Physics		
Flor	Floriculture		
FOM	Farm Organization and Management	SHHEAgr	Smith-Hughes Teacher Training in Home Economics, College of Agriculture
ForC	Foreign Commerce		
HEAgr	Home Economics, Agriculture	Sp	Special
HELAS	Home Economics, Liberal Arts and Sciences	SS	Summer Session, 1921
IndA	Industrial Administration	Ssp ²	Soldier Special
IndEd	Industrial Education	Voc ³	Special Vocational Curriculum in Agriculture
Ins	Insurance	Vsp ⁴	Vocational Special
Irr ¹	Irregular		
Jnl	Journalism		
Law	Law		
LawP	Law Preparatory		
LAS	General Liberal Arts and Sciences		

NAME	CURRICULUMS	CREDIT HOURS ⁵	RESIDENCE
Abbitt, Macon Armistead	<i>Arch</i>	93 $\frac{1}{2}$	* † Hopkinsville, Kentucky
Abbitt, Mrs. Enid Boner	<i>LAS</i>	20 $\frac{2}{3}$	† Raymonville, Texas
Abbott, George Robert	<i>Bus</i>	88	* † Charleston
Abbott, Ira Richmond	<i>EE</i>	67	* † Mason City
Abbott, Josephine Eleanor	<i>LAS</i>	104 $\frac{1}{3}$	* † Chicago
Abel, Mrs. Elizabeth Mae	<i>SS</i>	8	† Carbondale
Abel, Ruth Marie	<i>SS</i>	9	† Springfield
Abel, Wilfred Loren	<i>SS</i>	16	† Louisville
Abhyankar, Vishvanath Sitaram	<i>LG (SS)</i>	28	* † Bombay, India
Abney, Charles Lyndorf	<i>CerE</i>	32	* † Harrisburg
Abney, Willard Harold	<i>ForC</i>	101 $\frac{2}{3}$	* † Harrisburg
Abraham, Leonard Gladstoy	<i>EE</i>	112 $\frac{1}{2}$	* † Watson
Abraham, Robert	<i>ME (SS)</i>	74 $\frac{2}{3}$	* † Rockford
Abrahams, Jerome Louis	<i>LawP</i>	30	* † Chicago
Abrahamson, Elmer Julius	<i>SS</i>	52 $\frac{2}{3}$	† Sparta, Wisconsin
Abrahms, Evelyn	<i>SS</i>	7 $\frac{1}{2}$	† Chicago
Abrams, Clarence Charles	<i>SS</i>	8 $\frac{1}{2}$	† Cincinnati, Ohio
Abramson, Roy Theodore	<i>Agr</i>	92 $\frac{1}{3}$	* † Wilmette
Abt, Burl Raymond	<i>Bus</i>	106	* † Chicago
Ackerman, Alfred Jerome	<i>Bus</i>		* † Ligonier, Indiana
Ackerman, Paul	<i>Bus</i>	23	* † Oak Park
Ackley, Alberta Mildred	<i>SS</i>	111	† Odell

¹Students holding bachelor's degrees but taking undergraduate work.

²Honorably discharged soldiers and sailors not qualified for matriculation and under 21 years of age, admitted on the basis of a personal interview with a faculty committee and of passing the Army Intelligence Test (under the procedure suggested by the United States Commissioner of Education).

³Sub-collegiate, conducted for disabled soldiers and sailors under the auspices of the Federal Board for Vocational Education.

⁴Disabled soldiers and sailors under the auspices of the Federal Board for Vocational Education.

⁵Number of credit hours computed as of October 1, 1920, to show the student's class standing during the year. In the case of students in the College of Law and the Library School, only those credits that count toward the LL.B. and B.L.S. degrees are shown.

† Attendance first semester indicated by the asterisk (); second semester by the dagger (†).

Acton, Inez Opal	HELAS		* † Danville
Acton, Russell Dow	ChE	35	* † Danville
Adamek, George Frank	Bus (SS)	87½	* † Davenport, Iowa
Adams, Alice Elizabeth	HEAgr	61	* † Evanston
Adams, Alma Ione	HELAS	60	* † East Moline
Adams, Aubrey Bruce	ChE		* † Turks Island, B. W. I.
Adams, Beatrice Edna	LAS	33	* † Benton
Adams, Eber Clayton	MedP (SS)	18¾	* † Olney
Adams, Hugh Moore	Agr	66	* † Charleston
Adams, Jessie Ruth	HELAS	64	* † Princeville
Adams, John David	Agr	46	* † Chicago
Adams, John Philip	Bus	32	* † Fairfield
Adams, Kathleen	SS	8	Peoria
Adams, Laurence Russell	LAS		* † Newton
Adams, Mrs. Lucile W	SS		White River Junction, Vermont
Adams, Lyndon Olin	EE	70½	* † Casey
Adams, Varian Baltzell	Law	61	* † Chicago
Adams, Walter Glenn	ME	83	* † Kewanee
Adams, Walter Wilson	EE		* † Hurst
Adams, Wright Rowe	MedP		* † Chicago
Ade, Bertha Fredericka	HEAgr		* † Pana
Adkins, Winifred Jane	LAS	9	* † Wilmette
Adkisson, Fannie Leota	LAS	28½	* † Roseville
Adler, Maurice	ChE	71	* † St. Louis, Missouri
Adloff, Carl Henry	ChE		* † Springfield
Adsit, Gaylord DeWitt	LawP	61	* † Wellington
Agle, Maurine Therssa	LAS	69½	* † Bloomington
Agle, Myrtle Fern	Mus (SS)	94½	* † Bloomington
Agnew, John Maurice	EE	68	* † Clinton, Indiana
Agnew, Lester Pitt	EE		* † Rockford
Aguilar, Isabelo Forregosa	C&L		* † Loos, Philippine Islands
Aguilar, Juan Cruz	MinE (SS)	26	* † Tampico, Mexico
Ahlenius, Ruth Margaret	LAS	97½	* † Chicago
Ahlstrand, Alfred Oliver	LawP		* † Rockford
Ahuja, Yag Dhiyan	EE		* † Punjab, India
Aiken, Joseph Eugene	EE	113½	* † Benton
Aillaud, Andre	Eng	67	* † Chicago
Aiston, Louise Matilda	LAS	18	* † Chicago
Aitken, Louis Fred	ChE	66	* † East St. Louis
Aitkin, Frank Harley	Bus	69	* † Sand Springs, Oklahoma
Alanen, Arvid M	Eng	69	* † Ishpeming, Michigan
Alayn, Francisco P	LawP		* † Solano, Philippine Islands
Albaugh, Merton Victor	Bus		* † Chicago
Albee, Chester Leon, B.S., 1918	SS	133½	Bloomington
Aberhasky, Mary Helen	LAS		* † Woodstock
Albers, Paul Henry	LawP	27	* † Carlyle
Albershardt, Anna Mae	LAS	6	* † Tipton, Indiana
Alberstett, Vernon Roy	Acy	73	* † Rockford
Albert, Paul Mathias	Bus		* † Mattoon
Albert, Samuel Raymond	CE	58¾	* † Freeport
Alberts, Dewey Verne	Chem	139	* † Lincoln
Albertson, Roy Arthur	AE	75	* † Chicago
Albrecht, Daniel Arthur	MinE	183½	* † Champaign
Albrecht, Marcus Fred	Agr	34	* † Dundee
Albright, John Maurice	IndA		* † Urbana
Aldrich, Ernest Tanning	Bus		* † Chicago
Aldrich, Eugene Elliott	Ed	68	* † Duluth, Minnesota
Alexander, Beulah Gladys	SS	7½	Mt. Vernon
Alexander, John	SS	5	Champaign
Alexander, John Richardson	MedP		* † Charleston
Alexander, Louis Jessup	AE	134	* † Los Angeles, California
Alexander, Louis Julian	Bus	66	* † Little Rock, Arkansas
Alford, Frank Lambert	SS	72	Cropsey
Alford, Robert Gordon	Eng		* † Benton Harbor, Michigan
Alisky, Archie Harry	LAS		* † Kansas City, Missouri
Alison, Lloyd Cicero Wallace	LawP	64	* † Alvin
Alkire, Chester Marvin	AE		* † Sidell
Alleman, Martin Benjamin	Agr	110½	* † Champaign
Alleman, Merle Margarite	LAS	63	* † Champaign
Alleman, Norville James	ME		* † Champaign
Allen, Carl Elmer	SS	103¼	Springfield
Allen, Charles Moore	Agr	87	* † Charleston
Allen, David Bailey	Agr	60	* † Delavan
Allen, Donald Cameron	Agr		* † St. Louis, Missouri
Allen, Eloise Grace	HEAgr (SS)	72½	* † Delavan
Allen, Harold Johnson	LAS		* † Laurens, Iowa
Allen, Herbert Warren	Bus	32	* † Indianapolis, Indiana
Allen, Hubert Ethan	Arch	2¾	* † Missoula, Montana
Allen, James Edmund	ChE	28	* † Los Angeles, California
Allen, Katharine Gertrude	SS	8	Knoxville
Allen, Lyle Roy	Eng		* † Waterford, Pennsylvania
Allen, Paul Edward	SS	67	Newman
Allen, Philip Torrens	Ath		* † Briarcliff Manor, New York
Allen, Ralph B	Bus	64	* † Broadlands
Allen, Richard Grant	Bus 1p	8	* † Chicago
Allen, Robert Hammond	Agr	66	* † Delevan
Allen, Robert Joseph	LAS	82½	* † Charleston

Allison, Arthur R	AE	81	* †	Palisades, Colorado
Allison, Bertram Holt	Bus		* †	East St. Louis
Allison, Catherine Brown	Chem		* †	Macomb
Allison, Curtis Harold	Bus		* †	Chicago
Allison, Dale Omelia	Ath	21	* †	Assumption
Alison, Everett Harmen	MinE (SS)	121½	* †	East St. Louis
Alison, Howard Huff	Agr	58½	* †	Charleston
Alison, Louella Anna	HELAS		* †	Palisades, Colorado
Allyn, Hester Ann, A.B., 1917	Mus irr	131	* †	Lewistown, Montana
Allyn, Norman Barnes	SS	139	* †	Springfield
Alpinus, Henrietta Evelyn	HEAgr		* †	Chicago
Alten, Anzolette	LAS	21	* †	Harvey
Alter, Franklin Allen	ME	107½	* †	Davenport, Iowa
Alvey, Nelle	LAS		* †	Crawfordsville, Indiana
Alvord, Benjamin Finley	Agr	79	* †	Noble
Alyea, Paul Edgar	Ins	65	* †	Indianapolis, Indiana
Amacher, Vern David	SS	30½	* †	Strawn
Ames, George Richard	Bus (SS)	24½	* †	Belvidere
Ammon, Ralph E	Agr	84	* †	Carmi
Amory, Eugene Ernest, Jr.	IndA	39	* †	Chicago
Amsbary, Addie Elizabeth, A.B., 1921	Ed irr	134½	* †	Champaign
Amsbary, Frank Clifford, Jr.	CE (SS)	69½	* †	Champaign
Anderson, Carl Ivar	ChE	63	* †	Chicago
Anderson, Carl Oscar	ME	61½	* †	Chicago
Anderson, Clarence Felix, A.B., 1913	SS	138½	* †	Flora
Anderson, Clifford Clark	REE	32	* †	Moline
Anderson, Donald Southerland	Bus	99	* †	Chicago
Anderson, Everett Leroy	Bus	58½	* †	Rockford
Anderson, Florence Elsie	LAS		* †	Chicago
Anderson, Floyd Graham	Agr	63½	* †	Pinckneyville
Anderson, George William	ChE		* †	Chicago
Anderson, George William	IndA	62	* †	Heyworth
Anderson, Harold	Bus	21	* †	Paxton
Anderson, Harry Drake	Law (SS)	80	* †	Pittsfield
Anderson, Ivan George	ME	68	* †	Chicago
Anderson, Jeff Agnemnon	Acry		* †	Carterville
Anderson, John Arthur	Chem	104½	* †	Chicago
Anderson, John William Clarice	LAS	31	* †	Urbana
Anderson, Karl Willhard	Bus		* †	Chicago
Anderson, Kenneth Gates	Bus	35	* †	La Grange
Anderson, Loudene	Jnl	96	* †	Ceral Springs
Anderson, Mae Janette	Jnl	100	* †	Wheaton
Anderson, Maurice Franklin	MinE (SS)	30	* †	Pinckneyville
Anderson, Oliver Andrew	LG	2½	* †	Olean, New York
Anderson, Paul August	Bus	115½	* †	Chicago
Anderson, Paul John	EE		* †	Chicago
Anderson, Paul Theodore	Bus (SS)		* †	Rock Island
Anderson, Raymond Rueben	Eng	66½	* †	Kewanee
Anderson, Russell Howard	Ed	71	* †	Jewett
Anderson, Ruth	LAS	74	* †	Chicago
Anderson, Ruth Elizabeth	HEAgr		* †	Urbana
Anderson, Ruth Elizabeth	HELAS	90	* †	Blue Island
Anderson, Walter Theodore	CE	45	* †	Ottawa
Anderson, Walter Wilford	Bus	67½	* †	Huron, South Dakota
Anderson, Wesley Francis	Bus	68	* †	Sycamore
Anderson, William Bernard	ChE (SS)	34	* †	St. Louis, Missouri
Andren, Inez Dorothy	Bus	49	* †	Gary, Indiana
Anderson, Ollene Gertrude	LAS	60½	* †	Elgin
Andrew, Lowell Ross	ME	58	* †	Palmyra
Andrews, Arthur James	SS	10	* †	St. Francisville
Andrews, Donald Gordon	Agr		* †	St. Louis, Missouri
Andrews, Howard Wilbert	Bus (SS)	100	* †	Poniat
Andrews, Josephine Shoemaker	HEAgr	60	* †	Champaign
Andrews, Kenneth Anton	ForC (SS)	77	* †	Quincy
Andrews, Maurice	CE		* †	Mattoon
Andrews, Wilkins Bostick	ForC	49½	* †	Fayette
Anell, Esther Willard, A.B., 1919	Lib	34	* †	Urbana
Angell, Charles Frederick	Ath (SS)	24¾	* †	Battle Creek, Michigan
Angell, Otis Holmes	LAS	64½	* †	Rushville
Angier, Milton Sanford	EE	42½	* †	Beardstown
Angus, William Martin	Bus		* †	Chicago
Ankeny, Marjorie Luella	LAS	65	* †	Davenport, Iowa
Anthony, George Thomas	EE		* †	Peoria
Antle, Clifford Nathaniel	Agr		* †	Dexter, Iowa
Antoni, La Vern	Bus		* †	Leland
Awney, Lellwyn Raymond	Ath	104	* †	Kalamazoo, Michigan
Apostoloff, Constantine	Law	11	* †	Springfield
Appel, Robert Everett	EE	109½	* †	Springfield
Apple, Casper Bonrad	CerE		* †	Peoria
Applegate, Donald Perry	Agr		* †	Atlanta
Applegate, Gladys Irene	Chem	69	* †	Western Springs
Applegate, Robert Bugby	ME	36	* †	Western Springs
Aquino, Arthur Vincent	IndA	31	* †	Oak Park
Araneta, Romualdo Lucas	Chem	36	* †	Laoag, Philippine Islands
Araneta, Romualdo Marcial	ME		* †	Bago, Philippine Islands
Archbold, Harold Herbert	SS	130		Berwyn

Archer, Jesse Roosevelt	CE		† St. Joseph
Archer, Marjorie Edith	LAS	32	* † Peoria
Arends, Wilmer Ruppel	Agr	27½	* † Melon
Arensman, Jessie Marie	HELAS	31	* † Metropolis
Arford, Edwin Heston	EE	4½	* † Marshall
Arguelles, Francisco Leandro	Bus (SS)	15	* † Batangas, Philippine Islands
Arie, Marian Elizabeth	LAS	20	* † Champaign
Armantrout, William Everette	Arch	26	* † Philadelphia, Pennsylvania
Armin, Sidney	EE		* † Chicago
Armington, Mary Emily	ForC		* † Indianapolis, Indiana
Arms, Ray Walter, E.M., 1912	Mus irr		* † Muskegon, Michigan
Armstrong, Carl Romaine	Bus		* † Cleveland, Ohio
Armstrong, Carol	LAS	59½	* † Chicago
Armstrong, Grace Wilda	SHA Agr	68	* † Urbana
Armstrong, Juliette Adams	LAS	31	* † Chicago
Armstrong, Nellie Catherine, A.B., A.M., 1918, 1919	Mus irr		* † Kewanee
Armstrong, Oliver Milton	ME	90	* † Cleveland, Ohio
Armstrong, Ralph Wilbur	EE		* † Urbana
Armstrong, Raymond Lincoln	Bus		* † Terre Haute, Indiana
Armstrong, William Young	ChE	109½	* † Milwaukee, Wisconsin
Arndt, Fred Wilbur	EE		* † Lee
Arndt, Raymond Henry	ME	75	* † Rock Island
Arnholz, Clifford K	Arch		* † Peoria
Arning, Henry Urban	EE (SS)	46	* † Quincy
Arnold, Earl Frederick	CE		* † Rock Island
Arnold, George Verlin	Bus	8	* † New Palestine, Indiana
Arnold, James William	Agr	23	* † Arnold
Arnold, John William, A.B., 1921	EE irr		* † Little Rock, Arkansas
Arnold, Lathrop W	Jnl		* † Oak Park
Arnold, Russell Ellsworth	CerE	105½	* † Chicago
Arnold, Ruth Dotterer	LAS		* † Little Rock, Arkansas
Arntzen, John Christian	AE		* † Sycamore
Arnvig, Sigurd	Arch sp (SS)	33	* † Champaign
Arrau, Miguel Angel	EE	50	* † Santiago, Chile
Artega, George Alexander	CE	102	* † Cochabamba, Bolivia
Arter, Eugenia Jenkins	LAS	99	* † Danville
Arter, Virginia Marguerite	HE Agr	31	* † Danville
Artman, Robert Ervin	Flor		* † Piqua, Ohio
Arvedson, Fredrick St. Clair	ForC		* † Danville
Arvin, James Augustus	Bus	17	* † Timewell
Aschenbrenner, Andrew	Bus		* † Amboy
Ascher, Vernon William	LawP	35	* † Freeport
Ash, Esther Rebecca	LawP	30	* † Muncie, Indiana
Ashbaugh, Walter Wyatt Rose	Agr	69	* † Dunlap
Ashby, Virgil Edgar	Bus	48½	* † Kansas
Asher, Ollie Martin	LAS	28	* † Kankakee
Asher, Seymour	Accy		* † Chicago
Askey, Russel Orrin	EE	35½	* † Orangeville
Asmus, Edna Ida	Jnl	75	* † Chicago
Asmus, Edward William	C&L	69	* † Chicago
Aspern, Janet Louise	LAS	30	* † Champaign
Astell, Sarah Lucy	HE Agr	17	* † Champaign
Athey, George Lewis	MedP		* † Robinson
Atkinson, Graeme Lindley	ChE (SS)	113½	* † Wichita Falls, Texas
Atkinson, John Williams	LAS	29	* † Little Rock, Arkansas
Atkinson, Joseph Elliot	Bus	30	* † Champaign
Atkinson, Thelma Marie	LAS (SS)	95	* † Urbana
Atkinson, Willis Elton	Bus		* † Urbana
Atkinson, Earl Walston	EE (SS)	109½	* † Pana
Ator, Joseph Reeder	IndA	32½	* † Waukegan
Atwell, Donald Burgess	Cer (SS)	109	* † Nazogoches, Texas
Atwood, Clarence Newell	Agr	15	* † Grand Ridge
Atwood, Eda Mildred	HE Agr	33	* † Grand Ridge
Augur, Allison Leverett	ME	37	* † Chicago
Augustin, Wilbur Everard	Bus		* † St. Louis, Missouri
Aurand, Robert Ray	LAS		* † Mansfield, Ohio
Austin, James William	Bank	76½	* † Effingham
Austin, Merrill Reznor	LAS	41½	* † Monmouth
Austin, Oliver V	SS	7	* † Champaign
Austin, Rufus Paterson	LAS		* † Kansas City, Missouri
Austin, Thomas Edward	Eus (SS)	39	* † Effingham
Austin, Vivian Olive	Bus		* † Milford
Anwarter, Paul Roland	SS		* † Troy
Avendorph, Julius Nelthrop, Jr.	MedP		* † Chicago
Ayton, Alice Louetta	LAS	115	* † Mt. Morris
Ayers, Donald Jean	ME	64½	* † Chicago
Ayers, Howard Ransom	MedP sp	37	* † New Lenox
Ayers, Robert Brent	Bus	34	* † Hinsdale
Babaian, Rose Katherine	HELAS (SS)	17	* † Grand Bay, Alabama
Babb, Howard J	Bus (SS)	75	* † Champaign
Babcock, Bernice Lacey	LAS	67	* † Twin Falls, Idaho
Babcock, Edward Everett	Bus		* † Twin Falls, Idaho
Babcock, Lucius Draper	Arch		* † West Palm Beach, Florida
Babicky, Frank	Agr		* † Chicago
Baccus, Joseph Harold	Jnl	33	* † Kewanee
Bach, Carl Henry	Bus	16	* † Chicago

Bach, Ferdinand Harold	Accy	75½	* †	Terre Haute, Indiana
Bachman, George Christian	Jnl sp	39	*	Niles, Michigan
Bachmann, Arnold H	Bus		* †	Dolton
Back, William, Jr.	Bus		†	Little Rock, Arkansas
Bacon, Elizabeth	LAS		* †	Oak Park
Bacon, Lawrence Eckart	ME		* †	Chicago
Bacon, Marie Louise	Jnl	38	*	Lilly
Baechler, Matilda May	SS	135	*	Tuscola
Baethke, Jerome W	LawP	30	* †	Glen Ellyn
Baer, Sanford Joseph	Ath	39	*	Murphysboro
Baggerly, Elizabeth Frederick	Jnl	31	*	Louisville, Kentucky
Bagley, Frank Albert	MedP	29	*	Kansas City, Missouri
Bahlman, William John	LG (SS)	81½	* †	Goodenow
Bail, Philip Milo	SS	6½	*	Marshall, Missouri
Bailey, Bernadine Julia	LAS	26½	* †	Le Roy
Bailey, Bernice Huldah	HELAS (SS)	100	†	Le Roy
Bailey, Bessie Lois	LAS		†	Hillsboro, Indiana
Bailey, Carter	Bus	12	*	Chicago
Bailey, Dale Bedford	Agr	44	* †	Moline
Bailey, Harold Ogden	Bus	28	*	Muskegon, Michigan
Bailey, Helen Hildegarde	HEAgr		*	Chicago
Bailey, Howard Mitchell	EE	37	*	Olney
Bailey, Joseph Cannon	LAS		*	Danville
Bailey, Minnie Elizabeth	Mus		*	Urbana
Bailey, Ruth Maria	LAS	99	*	Los Angeles, California
Baillie, Violet	Bus		†	Urbana
Bair, Carroll Keppler	Arch		*	Harrisburg
Baird, Frieda	Bus	100½	*	Jamaica
Baird, George Dewey	Agr	77	*	Rock Island
Baird, George Malcolm	Bus (SS)	91½	*	Evansville, Indiana
Baird, Gordon Franklin	IndA	33½	*	Champaign
Baird, Jack Pierson	Bus	63	* †	Evansville, Indiana
Baird, Robert Leslie, Jr.	Bus	72½	*	Park Ridge
Bairstow, Jack Edward	Bus	35	*	Waukegan
Bake, Rosa	LAS	65	* †	Terre Haute, Indiana
Baker, Alonzo Newton	MedP		*	Marion
Baker, David Cameron	Bus		*	Chicago
Baker, Donald Oliver	CE	34½	*	Anna
Baker, Dorothy	HELAS	60	*	Hutsonville
Baker, Dorothy Rocelia	LAS		*	Oak Park
Baker, Eldred Benjamin	ComT	99	*	Riverside
Baker, Ernest Lindsey	SS	4	*	Fairmount, Indiana
Baker, Frank Melsome, Jr.	Bus (SS)	5	*	Chicago
Baker, George Allen	Agr		* †	Hutsonville
Baker, Gladys Viola, A.B., 1919	Lib		*	Breckenridge, Missouri
Baker, Glenn Everett	Bus	40½	*	Ottawa
Baker, Howard Robert	Agr	34	*	Warsaw
Baker, John D	ME sp	46	*	Sunmer
Baker, John Lewis	CE	8	* †	Eureka, Kansas
Baker, Laurence Edward	LAS	60	*	Champaign
Baker, Louise	SS	68½	*	Veedersburg, Indiana
Baker, Marjorie Beall	LAS	60	*	Champaign
Baker, Mildred Catherine	LAS	29	*	Chicago
Baker, Miriam Adele	LAS		* †	Champaign
Baker, Samuel Harry, Jr.	SS	63½	*	Decatur
Baker, Sophia	LAS	98	* †	Marion
Baker, Virginia Katherine	LAS	32	*	Urbana
Baker, Wilbert James	ChE	92½	* †	Princeville
Bakhe, Walter Bennie	Ath (SS)	49%	* †	Denver, Colorado
Balaban, Harry	Bus		* †	Chicago
Balazs, Charles Samuel	RCE	35	*	Chicago
Balbach, Harold Edward	SS	76½	*	Chicago
Baldrige, William Odus	MedP		†	Terre Haute, Indiana
Baldus, Edgar Aloy	EE (SS)	30½	*	Belleville
Baldwin, Beulah Helen	Ed (SS)	101½	*	Centralia
Baldwin, Grace Howard	LAS	99½	*	Urbana
Baldwin, James Howell	SHAEd (SS)	115	*	Windfall, Indiana
Baldwin, John Harold	Bus	14	*	Chatsworth
Baldwin, Kenneth Dennison Holmes	Agr	52	*	Peoria
Baldwin, Paul Munn	ChE	31	*	Joliet
Baldwin, William Robert	RA	65	* †	Dayton, Ohio
Balc, Ann Meta	LAS (SS)	98	*	Joliet
Bales, Miriam Josephine	LAS	97	*	Dana, Indiana
Ball, Donald Escol	CE		* †	Round Knob
Ball, Gernard Leonard	LAS		*	Chicago
Ball, Ralph Wilson	Agr	32	*	Virden
Ball, Samuel Sloman	CE	33½	*	Litchfield
Ball, Wright Owings	Bus	42	* †	Meeker, Colorado
Ballard, Frances Barbara	HELAS		*	Berwyn
Ballard, Lewis Addison	IndA		*	Jerseyville
Ballard, Randall Clarence	EE	½	* †	Chicago
Ballentine, Earl Wesley	EE	37	* †	Chicago
Ballinger, Florence Westfield	Jnl	41	* †	Chicago
Balson, Edward	CE	77	* †	Chicago
Bamber, Harriet Elizabeth	SS	4½	*	Eureka
Bamond, Manuel Julius	ME		†	Chicago

Banashek, Julius	<i>Accy</i>	106 $\frac{3}{8}$	* †	St. Louis, Missouri
Bancroft, Burton Richard	<i>MedP</i>	60	* †	Phoenix, Arizona
Bancroft, Ruth	<i>Ed (SS)</i>	86 $\frac{1}{2}$	* †	Jacksonville
Bandow, Joseph Elmer	<i>Chem</i>		* †	Rochester, Minnesota
Bandy, John Hanson	<i>FOM</i>		* †	Lovington
Bandy, Keith K.	<i>MedP</i>	65	* †	White Hall
Bandy, Lester W.	<i>Ath</i>	8	* †	Litchfield
Banker, Carleton Lloyd	<i>Bus</i>		* †	Chicago
Banker, Edward Hamilton, Jr.	<i>Bus</i>	65	* †	Chicago
Banks, James Jackson	<i>Bus (SS)</i>	30	* †	Fargo, North Dakota
Banks, Marie Estell	<i>LAS</i>		* †	Pontiac
Bankson, Clyde Russel	<i>Law</i>	50	* †	Pulaski
Banta, Clifton Edward	<i>EE</i>		* †	Pittsburg, Kansas
Banta, Elizabeth Blanche	<i>LAS</i>	58	* †	Low Point
Banton, Huston	<i>MedP</i>	82	* †	Mt. Zion
Barackman, Mildred Park	<i>LAS</i>		* †	Stratton
Barber, Albert Carlos	<i>MedP</i>	76	* †	Toledo, Ohio
Barber, Cecil Frederick	<i>MedP</i>	34	* †	Rochester, New York
Barber, Claron Dale	<i>LAS</i>		* †	La Fox
Barber, Fernald Keith	<i>Agr</i>	33 $\frac{1}{2}$	* †	La Fox
Barber, Lora Etta	<i>LAS</i>		* †	Toledo, Ohio
Barber, William	<i>Bus (SS)</i>	95 $\frac{3}{8}$	* †	Decatur
Barbie, Robert Owen	<i>Agr</i>	31 $\frac{1}{2}$	* †	Taylorville
Barcume, Lyle Nelson	<i>Arch (SS)</i>	115	* †	Los Angeles, California
Barcus, Gertrude Louise	<i>Agr sp</i>	12	* †	Crawfordsville, Indiana
Barcus, Glenn Oscar	<i>EE</i>	27	* †	Genoa
Bardwell, Edward Charles	<i>ME</i>	8	* †	St. Louis, Missouri
Bardwell, John Early	<i>IndA</i>	60	* †	St. Louis, Missouri
Bardwell, William Utley	<i>Law</i>		* †	Dixon
Barger, Henry	<i>SS</i>	7 $\frac{1}{2}$	* †	Cherry Valley
Barker, Lucille Miner	<i>LAS</i>	94	* †	Sparta
Barker, Meredith Faxon	<i>MedP</i>		* †	Glen Ellyn
Barkley, Paul Croxton	<i>Accy</i>		* †	Carlyle
Barla, Simon Joseph	<i>EE</i>	56	* †	Seneca
Barlow, Edwin Whitmore	<i>SS</i>	19	* †	Dixon
Barnard, Alger Sidney	<i>ME</i>	51	* †	Naperville
Barnard, Dorothy Lucile	<i>FOM (SS)</i>	78 $\frac{1}{2}$	* †	San Pierre, Indiana
Barnes, Chauncey Rupert	<i>Bus</i>		* †	Joliet
Barnes, Francis Joseph	<i>EE</i>	40 $\frac{1}{2}$	* †	Chicago
Barnes, Harvey Buxton	<i>Bus</i>	17	* †	Oakland, California
Barnes, John Cecil	<i>AC</i>		* †	Oskaloosa, Kansas
Barnes, Otis Avery	<i>Mus irr</i>		* †	Auburn
Barnes, Paul Royden	<i>MedP</i>	32	* †	Joliet
Barnes, Robert Avery	<i>Law</i>		* †	Washburn
Barnett, Albert Harold	<i>ChE</i>	102 $\frac{3}{8}$	* †	Chicago
Barnett, Clarence Edward	<i>ChE</i>	68	* †	Pana
Barnett, Irving Wood	<i>Bus</i>	94 $\frac{1}{8}$	* †	Chicago
Barnett, Mary Lorene	<i>LAS</i>	100 $\frac{3}{8}$	* †	Mattoon
Barnett, Thomas William	<i>SS</i>	8	* †	Kewanee, Indiana
Barnickal, Carl Richard	<i>SS</i>	7 $\frac{1}{8}$	* †	Chicago
Barousse, Ignacio Carlos	<i>Arch</i>	100 $\frac{3}{8}$	* †	Mexico City, Mexico
Barr, Andrew, Jr.	<i>Accy</i>	60	* †	Urbana
Barr, Dwight Laughlin	<i>LAS</i>		* †	Gibson City
Barr, Harriett Dell	<i>LAS sp</i>	5	* †	Paris
Barr, Harry Andrew, A. B., 1913	<i>Law</i>	71	* †	Aledo
Barr, James Wonell	<i>C&L</i>		* †	Joliet
Barr, Jolly John	<i>SS</i>	25 $\frac{1}{2}$	* †	Tipton, Indiana
Barr, Laurinda May	<i>LAS</i>	6 $\frac{1}{2}$	* †	Taylorville
Barr, Lola Rea	<i>SS</i>	30	* †	Greenville
Barr, Marjorie Lydia	<i>LAS</i>		* †	Oak Park
Barr, Myrtle Garnett	<i>LAS</i>	92	* †	Brazil, Indiana
Barr, Oliver Milton, Jr.	<i>LAS</i>	86 $\frac{3}{8}$	* †	River Forest
Barr, Robert Abraham	<i>EE</i>	20	* †	Centralia
Barr, Robert Jay	<i>Agr</i>		* †	Chicago
Barrett, Alice Pearl	<i>LAS</i>	64	* †	Princetonville
Barrett, Harold Truman	<i>ME</i>	76	* †	Chicago
Barrett, Helen Elizabeth	<i>MedP</i>	31	* †	Chicago
Barrett, Isaac Beamer	<i>Agr</i>	92 $\frac{1}{8}$	* †	Elmwood
Barrett, John Carl	<i>ForC (SS)</i>	58	* †	Neoga
Barrett, Marguerite Lillian	<i>LAS</i>	62	* †	Oak Park
Barrett, William Waller	<i>Ath</i>		* †	Hume
Barrick, John Dean	<i>LAS</i>	94 $\frac{5}{8}$	* †	Canton
Barringer, Ruth	<i>SS</i>	0	* †	Jonesboro
Barrow, William Haley	<i>Agr</i>	34	* †	Roodhouse
Barrows, Resler Stahl	<i>Agr</i>		* †	Mt. Sterling
Barry, Florence Marion	<i>SS</i>		* †	Chicago
Barry, Nelle	<i>Bus (SS)</i>	64 $\frac{3}{8}$	* †	Champaign
Barry, Walter Andrew	<i>IndA</i>	117	* †	Buffalo, New York
Barta, Joseph Thomas	<i>CE</i>		* †	Algonquin
Bartels, Edwin Joseph	<i>Bus</i>		* †	Hamilton, Ohio
Bartels, Elmer Clarence	<i>LAS</i>		* †	Hamilton, Ohio
Bartholomew, Maynard Todd	<i>IndA</i>	125 $\frac{3}{8}$	* †	Chicago
Bartle, George Jacob	<i>Bus</i>	94	* †	Pinckneyville
Bartle, Nancy Helen	<i>LAS</i>	30	* †	Pinckneyville
Bartley, Elias Russell	<i>IndA</i>	34	* †	Waterloo, Iowa
Bartley, Mary Mercedes	<i>SS</i>	0	* †	Seneca

Bartling, Henry Amardus	EE		* †	Litchfield
Barto, James Peter	Bus		* †	Spring Valley
Barto, Joseph Thomas	Ath		* †	Algonquin
Barton, Lester Leslie	Bus	96	* †	Peoria
Baseman, Elmer Gerdes	EE		* †	Elgin
Baskerville, Frances Angela	LAS	93	* †	Joliet
Bass, Irene	Bus	90 $\frac{3}{4}$	* †	Armstrong
Bass, Jewell Lee	MedP	16	* †	Makanda
Bass, Perkins B, Jr	IndA (SS)	109 $\frac{1}{2}$	* †	Evanston
Bassett, Margaret Beuliam	LAS		* †	Chicago
Bassett, Vera Vivian	LAS	100%	* †	Champaign
Bastian, Richmond Ellison	ForC	20	* †	Indianapolis, Indiana
Bastic, Lora John	LAS		* †	Bertram, Texas
Basurto, John	Agr sp		* †	Coyocoin, Mexico
Bateman, Elwood Townsend	Agr	32	†	Foosland
Bateman, Floyd Donald	LAS		* †	Wilmette
Bates, Gardner Oatman	CE	37	* †	Chicago
Bates, John Blinn	IndA	83 $\frac{2}{3}$	* †	La Grange
Bates, Nellie Florence	LAS (SS)	90 $\frac{1}{3}$	* †	Champaign
Bath, Gomer D	LAS	100	* †	Peoria
Bath, Ruby Lucille	LAS		* †	Peoria
Batman, Charles Loraine	Ath		* †	Newton
Batson, Walter Schaefer	Agr	36	* †	Keensburg
Battaille, Irene Louise	SS	61	* †	Champaign
Battaile, Sallie Catherine, A.B., 1917	SS	136 $\frac{1}{2}$	* †	Champaign
Battersby, Fred	Bank	71	* †	Keawanee
Batterton, Harriet, A.B., 1920	SS	138		Greenfield
Battin, Leland Bradford	Bus	32 $\frac{2}{3}$	* †	Evansville, Indiana
Bauer, Karl John	Chem	57 $\frac{1}{3}$	* †	St. Louis, Missouri
Bauer, Mayme Josephine	SS	6		Brownstown
Baughman, Clarence Wayne	LG	96	* †	Chicago
Baughman, Floyd Riesmyer	CE		* †	Taylorville
Baughman, Palmer Hubbard	EE	56 $\frac{1}{2}$	* †	Greenville, Ohio
Baum, Leland Smith	Bus	8	* †	Monticello, Indiana
Baum, Ray Alonzo	Law	14	* †	Quincy
Bauman, Sylvia	LAS		* †	Highland
Baumgardner, Alleyne	LAS		* †	Colchester
Baumgardner, Harry Harold	SS	8		Jenera
Baumgardner, Karl Conant	LAS (SS)	113 $\frac{1}{2}$	* †	Sioux Falls, South Dakota
Baumgartner, Erwin George	EE		* †	Forest Park
Baumgartner, Henry Carl	Bus	35	* †	Chicago
Baumunk, Ross Sonnefeld	Bank	123	* †	Champaign
Baur, Adelbert C	Bus	77	* †	Chicago
Baur, Willis Stewart	Bus		* †	Chicago
Baus, Walter Emerson, B.S., 1921	SS	136 $\frac{1}{6}$	* †	Indianapolis, Indiana
Bayer, Theodore Franklin	ForC	101 $\frac{1}{3}$	* †	Louisville, Kentucky
Bayles, Lowell Richard	MinE		†	Newton
Bayley, Herbert Grant	Accey (SS)	17%	* †	CarMI
Baynes, Kathryn Lee	LAS	71	* †	Urbana
Bayot, Jose Marion	CE	44	* †	Zamboagna, Philippine Islands
Beabout, Jesse Franklin	MedP	27	* †	Casey
Beach, Amy Adaline, A.B., A.M., 1914, 1918	SS			Urbana
Beach, Geraldine Lethia	Jnl		* †	Urbana
Beach, Harriet Alice	LAS (SS)	102 $\frac{1}{2}$	* †	Urbana
Beach, Kenneth Albert	ChE	31	* †	Wood River
Beach, Samuel Richard	M&SE		* †	Urbana
Beach, William E	EE		* †	Urbana
Beadles, Jessie Rachel	LAS (SS)	46 $\frac{1}{2}$	* †	Robinson
Beale, Russel Conwell	ChE	65	* †	Virginia
Beam, Paul Charles	Bus (SS)	26	* †	Granite City
Bean, Haldane Wesley	Agr	100	* †	Rensselaer, Indiana
Bean, Roy Anderson	Agr	31	* †	Blue Mound
Bean, Vera Edna	LAS	64	* †	Yaruro, Arkansas
Bean, William Hammond	EE		* †	Chicago
Beane, Harold Edwin	LAS		* †	Decatur
Beard, Byron Lugile	MinE		* †	Union City, Indiana
Beard, Howard Strickler	SS	7		Arenzville
Beard, Ray Albert	Bus	40 $\frac{2}{3}$	* †	Polo
Beardsley, Alfred Stave	LAS	25	* †	Chicago
Beardsley, Katharine	LAS		* †	Council Bluffs, Iowa
Beardsley, Kewey Thompson	Agr	66%	* †	Council Bluffs, Iowa
Beattie, Charles Lloyd	Agr (SS)	117 $\frac{1}{2}$	* †	Sparta
Beatty, Francis Merrill	Accey	96 $\frac{1}{3}$	* †	Paris
Beatty, Grace Elizabeth	LAS	65	* †	Chicago
Beatty, Sarah Margaret	LAS		* †	Middletown, Ohio
Beatty, William Henry	Agr	72	* †	Quincy
Beauchamp, Mary Ella	Jnl	61 $\frac{1}{3}$	* †	Paris
Beauchamp, Sara DeWitte	Mus sp		* †	Ossian, Indiana
Beaudet, Arthur Joseph	LAS		* †	Champaign
Beaugureau, Helen Mary	MedP		* †	Champaign
Beaumont, Thomas Morgan	Bus		* †	Manion, Canada
Beaver, Mrs. Faye	Agr	118 $\frac{1}{3}$	* †	Chicago
Bebb, Anna Marion	HEAgr		* †	Kankakee
Bechtold, Lillian Hortense	LAS	67 $\frac{2}{3}$	†	Armington
	LAS	65	* †	Muskogee, Oklahoma
	LAS	65	* †	Urbana

Bechtold, Mae Dake	LAS		† Urbana
Beck, George Alfred	SS	4	Pittsburgh, Pennsylvania
Beck, Richard Cleon	SS	7½	Thorntown, Indiana
Beck, Walter	EE	81	* † Rock Island
Becker, Carl, Jr	ChE	104	* † Champaign
Becker, Carlton Hewitt	CE	63	* † Elgin
Becker, Dorothy Jean	HELAS	55	* † Divernon
Becker, Edmund Frederick	Bus	97½	* † Chicago
Becker, Fredricka Lola	LAS	33	* † Urbana
Becker, George Robert	LAS		* † Divernon
Becker, John Haerms	IndA (SS)	66	* † Bloomington
Becker, Lola	LAS	33	* † Urbana
Becker, Paul Arthur	Ath	23½	* † Columbus, Nebraska
Beckington, Percy Clark	LAS		* † Belvidere
Beckman, Arnold Orvill	ChE	89	* † Bloomington
Beddow, Thomas Irland	SS	5½	* † Mt. Pleasant, Michigan
Beebe, Hamilton Keller	LAS	65½	* † Chicago
Beebe, Walter Ewart	Bus	105½	* † Chicago
Beeby, Dorothea Josephine	Jnl	93	* † Chicago
Beecher, Aloysia	SS	8	* † Chicago
Beechler, Arthur Karl	EE	109½	* † Springfield
Beedle, Mrs. Elizabeth	SS	4	* † Champaign
Beedle, Howard Romine	LAS		* † Urbana
Beedle, Paul Walter	EE	74½	* † Urbana
Beedy, Harold	ME	56	* † Chicago
Beeford, Rue Linsey	ME		* † Marion
Beem, Vilda Prescott	SS		* † Ottawa
Beem, William Earl	LAS	28	* † Champaign
Beeson, Carroll Ona	Arch	77	* † Marshall, Indiana
Beeson, Theron Henry	Agr	61	* † Marshall, Indiana
Beggs, Charles Norman	CE	143	* † Indianapolis, Indiana
Begun, Melvin Robert	Law	14½	* † Hebron
Behrendt, Florence	LAS		* † Chicago
Behrens, Catherine Schleder	LAS	55	* † Pekin
Behrens, Robert Griffith	MinE sp	11	* † Chicago
Behrens, William John	EE	118½	* † Chicago
Beiser, Carl Henry	LAS		* † Chicago
Beitler, Paul Louis	EE		* † Keokuk, Iowa
Beling, Earl Henry	ME	97	* † Chicago
Bell, Allen Chester	AE	79	* † Chicago
Bell, Blanche	SS		* † Indianapolis, Indiana
Bell, Carol Myrna	LAS		* † Barberton, Ohio
Bell, Delia Anne Nora	LAS		* † Hillview
Bell, Esther Virginia	LAS		* † Bloomington
Bell, Grace	ComT	103½	* † Bondville
Bell, Harold Lester	MinE		* † Chicago
Bell, Harry Laurence	Eng	72	* † Highland Park
Bell, Herbert	LAS	59	* † Springfield
Bell, James Charles	LAS	29	* † Joliet
Bell, John Arthur	Jnl (SS)	63½	* † Champaign
Bell, Maurine Elizabeth	LAS		* † Macomb
Bell, Nellie Irene	Jnl	34	* † Champaign
Bell, Norma Elizabeth, A.B., 1917	CE irr		* † West York
Bell, Paul Porter	Bus		* † Negaunee, Michigan
Bellows, Helen Louise	LAS		* † Crystal Lake
Belnap, Ray Miller	Bus	95½	* † Evanston
Belshaw, Mabel Lucina	LAS		* † Champaign
Belshe, Albert Thomas	LawP		* † Chicago
Belshe, Edwin Baird	Agr	15½	* † Chicago
Belting, John Theodore	MedP	8	* † Charleston
Belton, Arthur Reginald	CE	32	* † Virden
Beltram, Peter	Bus		* † Saunemin
Benbow, James Donald	Agr		* † Aurora
Bendle, Clarence Joseph	Bus	13½	* † Moline
Bendo, Francis James	Agr		* † Chicago
Benedict, Benjamin Brush	Arch		* † Chicago
Benedict, Cecil Edward	Bus	26	* † Peccatomica
Bengston, James Owens	Bus		* † Chicago
Bengston, Norman Elliott	Bus	67½	* † Chicago
Bengston, Ralph	SS		* † Rock Island
Bening, Walter Edward	ChE	71	* † Chicago
Benjamin, Lionel	ChE	79½	* † Chicago
Bennett, Austin Harold	Bus	108	* † Chicago
Bennett, Charles Donald	EE		* † Orangeville
Bennett, Dorothy Marie	LAS	29½	* † Wilmette
Bennett, Francis Harold	Law		* † Chicago
Bennett, George Lewis	AE	70	* † Champaign
Bennett, James Hallam	LAS	5	* † Evanston
Bennett, Lois Elza	LAS	61	* † Kansas City, Missouri
Bennett, William Alonzo, Jr.	ME		* † Ft. Worth, Texas
Bennett, William Wirt	Bus		* † Rockford
Bennyhoff, Harry Franklin	Bank	76	* † Fandalia
Benson, Eugene LeRoy	CE	120	* † Batavia
Benson, George Edwin	Agr sp	8	* † Glenview
Benson, Harold Just	Bus	100½	* † Mt. Carroll
Benson, John Benedict	LAS	8	* † Chicago

Benson, John Harold	ME	128	* †	Moline
Benson, John Harvey	Bus	71½	* †	DeKalb
Benson, Mitchell Joseph	LAS	85½	*	Chicago
Benton, Benjamin Frank	Bus		* †	Johnson City
Benton, Burton	LG			Elberfeld, Indiana
Bentley, Ellsworth Frederick	AE	17	*	Chicago
Benzio, William	Agr		†	Chicago
Benzing, Allan Lawyer	EE	71	* †	Evanston
Beren, Max Ervin	Bus		* †	Parkersburg, West Virginia
Berendes, Edwin Christopher	Arch	109½	* †	Evansville, Indiana
Beresford, Howard Chester	SS	5½		Boulder, Colorado
Berg, Arvid Henry	Chem (SS)	120	*	North Crystal Lake
Berg, Hebert Andrew	Agr	94½	* †	Riverside
Berg, Mary Alonza	SS	6		Manvoa
Berg, Otto Walter	LAS		* †	North Crystal Lake
Bergen, Curtis Calvin	Agr			Vermilion
Berger, Henry Kasper	Accy	32	* †	Murphysboro
Berger, Paul Jens	AE	68	* †	Davenport, Iowa
Berger, Victor Ewald	Bus	67	* †	Bremen, Indiana
Bergey, Lester Knipe	Ath (SS)	111½	* †	Colmar, Pennsylvania
Bergh, William, B.S., 1921	SS	130		Newton, Kansas
Bergholtz, Victor Edwin	ME	2	*	Aurora
Bergmann, Alfred	Bus		* †	Oak Park
Berquist, Carl Frederick	RCE	66	* †	Geneva
Berkovitz, Ralph Gero	IndA	60½	* †	Chicago
Berkowitz, Freda	LAS	18	* †	Mattoon
Berkowitz, Philip	ChE		* †	Bayonne, New Jersey
Berleman, Edward Laurence	Agr			Chicago
Berner, Joseph LeRoy	Arch	29	* †	Sacanna
Bernhardt, Irene Marguerite	HEAgr	33	* †	Collinsville
Bernreuter, Herbert Alphonso	EE	47	* †	Mt. Olive
Bernstein, Herbert Saul	Bus	90	* †	Chicago
Berry, Louise	LAS		* †	Oak Park
Berry, Richard Joseph	Bus	63	* †	El Paso
Bert, Archie Leon	Chem	57	* †	Quincy
Bertalan, Edward	ME	32	* †	Edwardsville
Beseler, Hardy William	SS	1		Woodsboro, Texas
Beshers, Hugh Morohan	CE	105½	* †	El Paso
Besse, Helen Philippa	LAS	31½	* †	Chicago
Besserer, Otis Frederick	EE		*	Chicago
Best, Marion Virginia	LAS	24	* †	Quincy
Best, Richard Bland	Agr	120½	* †	Lerna
Betts, Paul Watrous	RA	31	* †	Chicago
Beverly, Grant Elmer	CE		* †	Elgin
Beyer, Charles Anthony	SS	12½		Champaign
Beyer, Elizabeth Rosalie	MedP		*	Danville
Beyer, Fred Martin	EE	31	* †	Morton
Beyer, Lucy	HEAgr	25	* †	Danville
Bhajawan, Bangalore Urishna	EE		* †	Raichur, India
Bhushan, Vidiya	EE	87	* †	Kashmir, India
Bianchi, Joseph B	LAS (SS)	117	*	Urbana
Bichl, Francis Gerard	Bus	5	*	Chicago
Biederman, Edward Bader	CE		* †	Chicago
Bierdemann, Richard Alfred	Bus		* †	Chicago
Biersmith, Elizabeth Kathryn	Bus		* †	Chicago
Biespiel, Leonard Samuel	Bus	64	* †	Chicago
Biester, Theodore W	Accy	32	*	Sublette
Billerbeck, Ernst Raymond Carlos	Arch	68½	* †	Freeport
Billing, Albin Godfred	Ed	60	* †	Lockport
Billings, Percy Herbert	IndA		* †	Woodstock
Bills, Edna Charlotte	LAS	27		Chicago
Bills, Robert Wesley	Agr	22½	* †	Sheffield
Bils, Fred Stephen	Accy	90½	* †	Waukegan
Bingham, Edward Harold, Jr.	IndA	24½	* †	Hinsdale
Bingley, Charles Kolb	Agr	31	* †	Chicago
Binnington, Nora Louise	Agr	33	* †	St. Louis, Missouri
Binns, Helen Gray	Bus	30	* †	St. Louis, Missouri
Binyon, Mrs. Josephine Armstrong	SS	7½		Urbana
Birch, Joseph Nathaniel	MedP		*	Kansas City, Missouri
Bird, James Perry	SS	15	*	Kansas City, Missouri
Birtwell, Galan R	Agr		*	Streator
Bischoff, Rudolph Joseph	Accy	64	* †	Pinckneyville
Bisesi, Joseph Louis	EE	73	* †	Chicago
Bishop, Richard Edgar	Arch	136½	* †	Urbana
Bishop, Romalda Teresa	LAS	95	* †	St. Louis, Missouri
Bishop, Samuel Dewey	SS	96½		Perry, Missouri
Biska, Vincent	SS		*	Pilsen, Bohemia
Bissell, Cushman Brewer	LawP	68	* †	Chicago
Bissell, Donald Adrian	EE		* †	Chicago
Bither, Alfred Lloyd	Bus		*	Hinsdale
Bittner, Christopher J	SS	8		Chicago
Bivans, Kenneth Rockwell	LAS		* †	La Grange
Bivans, William Edgar	AC		*	Alvin
Bixler, Rudy Baxter	Accy	34	* †	Haubstadt, Indiana
Bizik, Julian John	Bus		* †	Chicago
Black, John Nelson	Bus (SS)	131	*	Greenfield, Indiana

Black, Luther Allen	<i>Agr</i>	17	* †	Urbana
Black, Raymond Henderson	<i>Bus</i>	68	* †	Rock Island
Black, Robert Alexander	<i>CE</i>	86	* †	Chicago
Blackard, Clara	<i>LAS</i>	102	* †	Harrisburg
Blackard, William James	<i>MedP</i>		* †	Harrisburg
Blackburn, Casey Lee	<i>SS</i>	7½		Pana
Blackburn, Joseph Hollowell	<i>SS</i>			New Vienna, Ohio
Blackburn, Rachel Evelyn	<i>LAS</i>		* †	East St. Louis
Blackburn, Ruth Evelyn	<i>LAS</i>		* †	East St. Louis
Blacker, Verla Josephine	<i>LAS sp</i>	14	* †	Urbana
Blackman, Cyrene Elizabeth	<i>LAS</i>	87	* †	Lebanon, Indiana
Blackmar, Roger W	<i>Arch</i>		* †	Ottumwa, Iowa
Blackwell, Robert Eldridge	<i>SS</i>			Urbana
Blaine, Jesse L	<i>Bus (SS)</i>	66	* †	Chicago
Blaine, Mrs. Nelle Griffith	<i>Mus sp (SS)</i>		* †	Champaign
Blair, James Alden	<i>MinE (SS)</i>	7	* †	Urbana
Blair, McKendree McElfresh	<i>LAS</i>	96	* †	Jacksonville
Blair, Robert Collyer	<i>ME</i>	32½	* †	Urbana
Blair, Sarah Elizabeth	<i>SS</i>	19		Alton
Blake, Donald Prouse	<i>Jnl</i>	8	* †	Chicago
Blakely, Loy John	<i>Agr</i>	88½	* †	Kilbourne
Blakely, Russell Harold	<i>MedP</i>		* †	Fairfield
Blakesley, Gladys Adele	<i>LAS</i>	32	* †	Kansas City, Missouri
Blalock, James Tillman	<i>Bus (SS)</i>	40½	* †	Springfield
Blane, John Propst	<i>Ath</i>		* †	Greenville
Blasey, Frank Earl	<i>Bus</i>	58½	* †	Tiskilwa
Blatter, Marguerite	<i>SS</i>	8		Brownfield
Blei, Edmund Berthold	<i>EE</i>	31	*	Sublette
Blevins, Olive May, A.B., 1921	<i>SS</i>	130		Atwater
Blickhan, Norbert Alois	<i>Arch</i>		†	Quincy
Blocher, John Garry	<i>Bus</i>		* †	Dayton, Ohio
Block, Carl Frederick	<i>MinE</i>		†	Chicago
Block, Louis	<i>Chem (SS)</i>	91½	* †	Joliet
Block, Lylyan Hilda	<i>LAS</i>		†	Ortonville, Minnesota
Blomberg, Carl Xerxes	<i>Bus</i>	92½	* †	Rockford
Blomgren, Charles Edwin, Jr	<i>ME</i>	16	* †	Chicago
Blood, Wallace W	<i>Bus</i>		* †	Port Jervis, New York
Bloom, Margaret	<i>Ed sp</i>		†	Evanston
Bloomer, Helen Dorothy	<i>LAS</i>	60	* †	Keithsburg
Bloomington, Paul Harold	<i>Law</i>	61	* †	DeKalb
Blue, Walter Anthony	<i>CE (SS)</i>	106½	* †	Webster City, Iowa
Blum, John Henry	<i>Bus</i>	25	* †	Collinsville
Blum, Louis Bernard	<i>Bus</i>	71½	* †	Chicago
Blumenthal, Morris Arthur	<i>Bus</i>	37	* †	Gary, Indiana
Blunk, Clifford Luther	<i>MedP (SS)</i>	33	* †	Virden
Blunt, Edith Susan	<i>Bus</i>	101½	* †	Urbana
Bluthardt, Oscar David	<i>Chem</i>	98	* †	Chicago
Blythe, Telva Ruth	<i>LAS</i>	49½	* †	Gays
Boatner, Edmund Burke	<i>CE</i>		* †	Peoria
Boberg, Irving Ernest	<i>CE</i>	35	* †	Chicago
Bobsin, William Henry	<i>Acy (SS)</i>	33½	* †	Chicago
Bodine, Thomas McDonald	<i>MedP</i>		* †	Covington, Indiana
Bodman, William Sereno	<i>MinE</i>	72	* †	Bement
Boehme, Carl Frederick	<i>Agr</i>	99½	* †	Lockport
Boeker, Victor William	<i>CerE</i>	34	* †	Edwardsville
Boerner, Alfred Loehren	<i>LG</i>	64½	* †	Port Washington, Wisconsin
Boltz, David Charles	<i>CE</i>		* †	Hilkinsburg, Pennsylvania
Bogard, Golden Mary	<i>HELAS</i>	3	* †	Oblong
Bogardus, Hubert Everett	<i>Agr</i>		* †	Belvidere
Boggs, Elizabeth Frances	<i>LAS</i>	66	* †	Urbana
Boggs, Norman	<i>Bus</i>	63	* †	St. Louis, Missouri
Boguchi, John Henry	<i>MedP</i>		* †	Chicago
Bogue, Beulah Catherine	<i>HEAgr (SS)</i>	72½	* †	Bement
Bohler, Roy	<i>SS</i>			West Reading, Pennsylvania
Bohn, Gerhardt Herman	<i>ME</i>	111	* †	Lockport
Bohnen, Edwin Joseph	<i>ME</i>	93	* †	Chicago
Bohon, Rane Samuel	<i>Bus</i>	63½	* †	Decatur
Boice, Ada Lenore	<i>LAS (SS)</i>	58	* †	Champaign
Boice, Edna Irene	<i>LAS</i>		* †	Champaign
Bolds, Elden Eckley	<i>EE</i>	83½	* †	Brownstown
Bolen, Milford Louis	<i>LawP</i>		* †	Maroa
Bolender, William Adam	<i>Bus</i>	72	* †	Rockford
Bolger, William Henry	<i>ChE</i>	73½	* †	Chicago
Bolinger, George Noel	<i>IndA</i>		* †	Shelbyville
Bollenbach, Elmer Riswig	<i>EE</i>	108½	* †	Wheeling
Boller, Irene Mae	<i>Agr</i>	90½	* †	Chicago
Bolles, Chester Olcott	<i>Bus</i>		* †	Springfield
Bollinger, Francis Lewis	<i>IndA</i>	98½	* †	Chicago
Bollinger, Omar John	<i>C&L</i>	65	* †	Champaign
Bonansinga, Frank Samuel	<i>Bus</i>	80	* †	Jacksonville
Bond, Margaret Elizabeth	<i>Bus</i>	64	* †	Joliet
Boner, Donald Gustine	<i>Bus</i>	57	* †	El Paso
Bonilla, Richard Belullo	<i>SS</i>	7		Chicago
Bonser, Virginia Madison	<i>LAS</i>		*	Leonia, New Jersey
Booker, Alpheus Watt	<i>LAS</i>		†	Washington, D. C.
Booker, Courtland Spencer	<i>ME</i>	108½	*	Washington, D. C.

Boone, Chelsea C	SS	8%	* †	Whitland, Indiana
Boone, Franklin McCormack	Agr		* †	Warren
Boord, John Harmison	Bus	28½%	* †	Springfield
Boorn, Philip Henry	Ind A	29	* †	Chicago
Boot, George William Jr.	RCE	48½%	* †	Evansion
Booth, Helen Catherine	LAS		* †	Chicago
Booth, Robert Webster	Bus	33	* †	Chicago
Bopp, Harold Franklin	CerE	07	* †	Dundee
Borders, Irvin Dougherty	REE	56	* †	Kansas City, Missou
Bordner, Russell Monroe	Bus	65	* †	Freeport
Borgeson, Carl Andy Berthal	EE		* †	Rockford
Borgmeier, Paul John	Accy		* †	Bicknell, Indiana
Borland, Harold Robert	CerE	133	* †	Peoria
Borough, William Ray	LAS	50¾%	* †	Laurenceville
Borror, Charles Donald	MinE		* †	Rossville
Boshell, Edward Owen	Bus	69	* †	Melvin
Boshkoff, George John	ME (SS)	97	* †	Sofia
Bostwick, Dorothy Mary	SS	6	* †	Centralia
Bothwell, Arthur Scott	Ath		* †	Warren
Bothwell, Robert Ord	Agr sp (SS)	24	* †	Warren
Bott, Roderick Francis	Chem	47	* †	Milwaukee, Wisconsin
Bottigheimer, Ellis Foster	AE	6¾%	* †	Peoria
Botts, Mrs. Martha Elizabeth	MedP		* †	Portland, Oregon
Botz, Andrew	Ind A		* †	Argo
Bouin, Camille Juliette	LAS sp		* †	Bordeaux, France
Bourland, Theodore Preston	LAS (SS)	75	* †	Pontiac
Bousquet, Euclid Wilfred	Ind A		* †	Auburn, Rhode Island
Boutwell, Helen Irene	LAS		* †	Urbana
Boutwell, William Dow	Jnl	100¾%	* †	Urbana
Bowditch, Laurence Joseph	ME	37	* †	Urbana
Bowen, Abner Hiram	ME (SS)	81¾%	* †	Delphi, Indiana
Bowen, Charles Edward	Bus	103¾%	* †	Delphi, Indiana
Bowen, Clarence Robinson	Bus	51½%	* †	Chicago
Bowen, Cromwell	ME	77	* †	Wilmette
Bowen, Harold N	Accy		* †	Urbana
Bowen, Leon Luther	ME	130%	* †	Dodge City, Kansas
Bowen, William Victor	ME	113%	* †	Dodge City, Kansas
Bower, Burnette Orum	RME		* †	Mound City
Bower, Oliver Kenneth	LAS	35	* †	Hindsboro
Bowerman, Dorothy Beatrice	LAS	29	* †	Leaf River
Bowers, George Dewey	Voc vs p		* †	Canton, Ohio
Bowers, Roscoe Rufus	MedP		* †	Carbondale
Bowey, Donald Fyfe	Chem	93¾%	* †	Chicago
Bowles, Frank Edwards	LAS (SS)	97	* †	St. Louis, Missouri
Bowles, Maurice Givens	LAS		* †	Chicago
Bowly, Devereux Leslie	Bus (SS)	45	* †	Winchester, Virginia
Bowman, Bliss Raymond	SS	8½%	* †	Baldwin City, Kansas
Bowman, Donald Jerome	Bus	8	* †	Stonington
Bowman, Floyd Walton, B.S., 1921	SS	137¾%	* †	Owansco
Bowman, James Arthur, Jr.	Bus		* †	Little Rock, Arkansas
Bowman, John Stanley	Bus	75%	* †	Rockford
Bown, Albert Joseph	MedP	13	* †	Canton
Boyce, Paul Roosevelt	ME		* †	Chicago
Boyd, Elmer Ferris	EE		* †	Robinson
Boyd, James Aubrey	AE		* †	Little Rock, Arkansas
Boyd, John William	Bus		* †	Lewistown
Boyd, Moses Bordner	Bus	38	* †	Lewistown
Boyd, Orby Cecil	AE	36	* †	Aurora
Boyd, Paul Vere	LG sp	8	* †	Dudley
Boyd, Thomas Alexander	Accy	100	* †	Lewistown
Boyer, Amedee Riley	Ind A		* †	Colorado Springs, Colorado
Boyer, Ben William	ME		* †	Auburn, Indiana
Boyer, Charles Allen	Agr	30	* †	Dudley
Boyer, Edgar George	Bus		* †	Kansas
Boykin, James Manly	Law sp		* †	Atlanta, Georgia
Boylan, Charles Clifford	SS		* †	Calamus, Iowa
Boylan, Helen Maurine	LAS		* †	Aledo
Boyle, Dorsey Augustus	SS	8	* †	Anadarko, Oklahoma
Boyle, John Kenneth	Accy	32	* †	Urbana
Boyle, Louis Albert	Agr	83	* †	Hennepin
Boyle, Marie Agatha	LAS	54	* †	Urbana
Boynton, Elmer Edward	Bus		* †	Sycamore
Boynton, Frederick Langhorn	ME	51	* †	Sycamore
Boza, Alfonso Ezeta	ME	48	* †	Baltimore, Maryland
Bozarth, Byron	LawP	22	* †	Staunton
Bracy, William Layne	Accy	67	* †	Cartersville
Bradbury, Thomas Bruce	Chem	27	* †	Riverside
Braden, Edward Fleming	LawP	32	* †	Watska
Bradish, Cyrus Peck	Agr (SS)	75½%	* †	Champaign
Bradley, Carol	SS	115½%	* †	Hume
Bradley, Gladys	Bus		* †	Champaign
Bradley, Martha Elizabeth	Mus		* †	Champaign
Bradley, Nelle Bly	LAS sp		* †	Mason
Bradley, Richard Smith	CerE	66	* †	Bement
Bradshaw, Booker Talmadge	Bus		* †	St. Louis, Missouri
Bradshaw, Carroll Wilson	Bus	72	* †	Fairfield

Bradshaw, Howard W	Bus		* † Delphi, Indiana
Bradt, Andrew Glidden	Bank	85	* † DeKalb
Bradt, Elizabeth	LAS	61	* † DeKalb
Brady, Dorothy Adams	LAS		* † Chicago
Brady, Edward Bart	EE		* † Balboa, Canal Zone
Brady, Ralph Waldo	REE		* † Windsor
Brady, Ruth Emil	Agr	40	* † Chicago
Brady, Zoe Elma	LAS	31	* † Chicago
Bragg, Benjamin Franklin	Bus		* † Connersville, Indiana
Braham, Leonard Wilkin	Agr	163	* † New Wilmington, Pennsylvania
Brainard, Clarence Stetler	ME		* † Chicago
Braman, William Henry	CE	121½	* † South Bend, Indiana
Bramble, Byron Virginius	Bus		* † Champaign
Brame, Mrs. Olive Arey, B.S., 1918	SS	142	† Urbana
Brame, Mildred Everett, B.S., 1920	SS	143	† LeRoy
Brame, Wilbur Carl	Bus (SS)	30	* † Harrisburg
Bramlet, Heyward Chesley	Agr (SS)	26	* † Rochelle
Branch, Clarendon Oliver	Bus	33	* † Danville
Brandenberger, Arthur Russell	MedP		* † Davenport, Iowa
Brandt, Walter Edward	ChE	73	* † Chicago
Branham, Camille Dickson	LAS		* † Urbana
Branham, Ivan Bundy	CerE	135½	* † Morris
Branjan, Gladys Cleone	LAS	54	* † Anboy
Branigan, Dan Andrew	CE	110½	* † Albin
Brannan, Ruth	MedP	32	* † Chicago
Bransfield, Mary Ellen	Jnl	33	† Salem
Brasel, Glenn	SS	67½	* † Bozeman, Montana
Braten, Sigrid	Law	21	* † Palestine
Bratton, Edward Samuel	Bus	20	* † Bement
Braucher, Ralph Loren	Accy	65½	* † Joliet
Braun, Leonard Henry	IndA	57½	* † Chicago
Brauner, Ernest Richard	CerE		* † West Chicago
Brauns, Esther Dorothy	Bus	06½	* † Huntingdon, Canada
Bray, Edith Agnes	LAS sp		* † Nekeosa, Wisconsin
Brazeau, Guy Stanton	Bus	81	* † Chicago
Brazeo, Wilmont Leon	EE		* † Greensburg, Indiana
Brazelton, Florence Carter	Ed	96	* † Washington, D. C.
Brazier, Catherine Beatrice	LAS	51	* † Wichita Falls, Texas
Breathwit, Rachel Augusta, A.B., 1920	SS		* † Collinsville
Brede, Erwin Carl	AE	152½	* † St. Louis, Missouri
Bredenhoft, John Fred	Accy (SS)	106	* † Melrose Park
Bredenbeck, Frederick William	Bus		* † Sireator
Breen, John Murphy	MedP		* † Sioux City, Nebraska
Breen, Joseph M	Voc sp		* † Washington, D. C.
Brehm, Helen Evelyn	Jnl	66	* † Buffalo, New York
Bremer, Edwin	MinE		* † Hillsboro
Bremer, Jesse Currier	CE (SS)	106½	* † Sireator
Brennan, James Edward	ME		* † St. Louis, Missouri
Brennan, James Thomas, Jr.	Bus (SS)	102	* † Ogden
Brennan, Jessica Wilma	Accy (SS)	73½	* † Cerro Gordo
Brenneman, Wayne William	Jnl		* † Ironwood, Michigan
Brenzel, Ledger Christian	Voc sp		* † Mattoon
Brese, Howard Russell	Bus		* † Mattoon
Bresee, John James	AE	98½	* † Mattoon
Bresee, Paul Kirk	Agr	69	* † Dysant, Iowa
Brettnall, George S	SS		* † Champaign
Brewer, Ellen Ruth	LAS	98½	* † Atwood
Brewer, Fred Samuel	Agr	67½	* † Peoria
Brewer, Horace Larin	AE	20½	* † Philo
Brewer, Leon David	EE		† Byron
Brewster, Walter Herbert	SS	15½	* † Chicago
Brewster, William Goddard	Bus	120½	* † Urbana
Breyfogel, Albert William	EE	109	* † Little Rock, Arkansas
Brickhouse, Linwood Leonard	Law		* † Leiters Ford, Indiana
Bridegroom, Hugh Ginther	MedP	58½	* † Chicago
Bridge, Helen Rhea	LAS	39	† Urbana
Bridge, Frank Bogart	SS		* † Princeton
Bridson, Myrtle Lillian	HEAgr	54	* † Urbana
Brierton, Bennie Emanuel	ME	37	* † Morris
Briggs, Alfred Warren	Bus	68½	* † Crystal Lake
Briggs, Helen Cornelia	LAS		* † Chicago
Bright, John William	REE	87	* † Terry, Montana
Bright, Kenneth A	AE	42¾	† Champaign
Brightfield, Mrs. Else Jean	Mus		† Aurora
Brightwell, James Erskin	Bus	27	* † Woodstock
Brink, Millard Charles	ME (SS)	25	* † Chicago
Bristol, Robert Stafford	Accy	112	* † Paris
Bristol, Warren Knowten	LAS	23½	* † Quincy
Brittain, Henry Wheeler	Law	20	* † Mounds
Britton, Benson Elsworth	Bus	64½	* † Champaign
Broadhurst, Tabitha Jayne	Mus sp		* † Waterloo
Brock, Glen Porter	EA	98	* † Waterloo
Brock, Irl Maxwell	Ed sp (SS)	76	* † Mt. Vernon
Brock, Isabel Margaret	LAS		* † Waynesburg, Pennsylvania
Brock, John Howard	FOM		* † Kankakee
Brockmiller, Harry	Bus	45½	* † Carlincille

Broderick, Aubrey Ernest	<i>Bus</i>		* † Liberty
Brodie, Julius	<i>Agr sp (SS)</i>	37	* † Baltimore, Maryland
Brokaw, Eugene Caldwell	<i>EE (SS)</i>	67	* † Cincinnati, Ohio
Bromm, Carl R	<i>Bus (SS)</i>	72	* † Evansville, Indiana
Bronski, Chester Russell	<i>EE</i>	65	* † Chicago
Bronson, Ethel Lucille	<i>CCS</i>	71	* † Chicago
Bronson, George Durriel	<i>SS</i>	86½	* † Urbana
Brook, Clarence Louis	<i>SS</i>	146¾	* † Highland
Brooks, Charles Wayland	<i>Law</i>		† Payson
Brooks, Eron Bennett	<i>RCE</i>	28	* † Cairo
Brooks, Eugene Sheffner	<i>ME</i>	69	* † Evanston
Brooks, James Knox	<i>Agr</i>	87	* † Forney, Texas
Brooks, James Oliver	<i>Bus</i>	13¾	* † Zion City
Brooks, James Read	<i>Accy</i>		* † Williamsport, Pennsylvania
Brooks, Margaret Elizabeth	<i>LAS</i>		* † Chicago
Brookstone, Reuben Frank	<i>Accy</i>	95	* † Chicago
Broom, Lulu Grace	<i>Mus</i>		* † Effingham
Broom, Mybert Estell	<i>SS</i>	130¾	* † Effingham
Broome, Stanley Oswald	<i>Ath</i>	51	* † Mt. Clemens, Michigan
Brothen, Hans Otto	<i>Bus</i>		* † Chicago
Browman, Mabel Julia	<i>HELAS</i>	30	* † Rockford
Brown, Alice Knox	<i>SS</i>	12½	* † Gillespie
Brown, Bonnar	<i>LAS</i>	31	* † Winnetka
Brown, Carl H	<i>Bus</i>	20	* † Medina, New York
Brown, Cecil David	<i>ChE</i>	32	* † Harrisstown
Brown, Constant	<i>Bus</i>	25	* † Geneseo
Brown, Donald	<i>Bus</i>	36½	* † Havana
Brown, Dorothy Kinyon	<i>SS</i>		* † Kankakee
Brown, Elizabeth	<i>HEAgr</i>	62	* † Sparta
Brown, Elmer Burtwell	<i>ForC</i>		* † Canton
Brown, Mrs. Mary Ernestine, A.B., 1921	<i>Lib</i>		* † Moscow, Idaho
Brown, Mrs. Estella Scott	<i>LAS</i>		* † Delavan
Brown, Eunice Josephine	<i>LAS</i>	99	* † Maple Hill
Brown, Everett Anson	<i>Bus</i>		* † Naperville
Brown, Florence Alice	<i>LAS</i>	14	* † Chicago
Brown, Frank Olney	<i>Bus</i>		* † Wilmette
Brown, Frederick Joseph, Jr.	<i>IndA</i>	20½	* † Grand Rapids, Michigan
Brown, George Bentley	<i>ME</i>	106½	* † Wyoming
Brown, George Elmon	<i>ChE (SS)</i>	74	* † Chicago
Brown, Gilbert William	<i>Agr</i>	33	* † Geneseo
Brown, Gladys May	<i>LAS</i>	33	* † Oak Park
Brown, Harold Frederick	<i>AE</i>	70½	* † Chicago
Brown, Harriet Grant	<i>SS</i>	7	* † Brookfield, Massachusetts
Brown, Hartley Bruce	<i>Bus</i>	32	* † Kansas City, Missouri
Brown, Howard Elsworth	<i>SHAAgr</i>	62	* † Vernont
Brown, Irwin Stanley	<i>Bus</i>		* † Carlinville
Brown, Kenneth Cotton	<i>ME</i>	136	* † Chicago
Brown, Kenneth Kobb	<i>EE</i>		* † Rock Falls
Brown, Louise Miriam	<i>LAS</i>	30½	* † Urbana
Brown, Lyle Chase	<i>Bus (SS)</i>	104	* † Du Quoin
Brown, Margaret Pearl	<i>LAS</i>		* † Dwight
Brown, Marjorie	<i>HELAS (SS)</i>	56½	* † Kewanee
Brown, Martha Maria	<i>LAS</i>	32	* † Herrin
Brown, Morris	<i>ChE</i>	55	* † Sparta
Brown, Mrs. Nellie Wiman	<i>SS</i>	75	* † Yale
Brown, Orville Horace	<i>MedP</i>		* † Pocahontas
Brown, Ralph Edwin	<i>ME</i>	32	* † Oak Park
Brown, Ralph Eugene	<i>Bus</i>	15	* † Sparta
Brown, Raymond Calvin	<i>MedP</i>	31½	* † Eldorado
Brown, Roy Rivers	<i>EE</i>	30½	* † Chicago
Brown, Ruth Adams	<i>Bus</i>	65	* † Chicago
Brown, Tempel Gladys	<i>LAS</i>		* † Leon, Iowa
Brown, Virginia Louise	<i>LAS</i>		* † Benton
Brown, Walter Sterry	<i>Ath sp</i>		* † Urbana
Browne, Dorothy Peacock	<i>LAS sp</i>		* † Oak Park
Brown, William Robins	<i>Bus</i>		* † Kansas City, Missouri
Browne, George Arthur	<i>Agr</i>	98	* † Carbondale
Browne, Richard Gibbs	<i>LAS</i>	97	* † Carbondale
Browne, Robert Ball	<i>SS</i>	116	* † Carbondale
Brownell, Dean Glenn	<i>Ath</i>		* † Champaign
Browning, Emil	<i>SS</i>	7½	* † Appleton City, Missouri
Browning, Mary	<i>LAS</i>		* † Golconda
Browning, Nancy Pope	<i>LAS</i>	115½	* † Benton
Bruce, Albert White	<i>ME</i>		* † Oak Park
Bruce, Clara Belle	<i>Jnl</i>		* † Springfield
Bruce, Walter Robert	<i>SS</i>	87	* † Blue Island
Bruce, Warren Covine	<i>ChE</i>	97¾	* † Danville
Bruker, Elmer Franklin	<i>CE (SS)</i>	82	* † Urbana
Bruntington, George Hall	<i>Agr</i>	36½	* † Cameron
Brummett, Ray Dewitt	<i>SS</i>	9	* † Murphysboro
Bruner, Allen Maxwell	<i>MedP</i>	20	* † Palestine
Bruner, Helen Harrington	<i>LAS</i>		* † Urbana
Brunkow, Charles Daniel	<i>SS</i>	62	* † Dubuque, Iowa
Brunkow, Florence Grace	<i>LAS</i>	94	* † Dubuque, Iowa
Brunkow, Otto Edwin	<i>Arch</i>	105	* † Dubuque, Iowa
Brunkow, William Henry	<i>ME</i>	77	* † Dubuque, Iowa

Brunnemeyer, John Emil	Bus	29	* † Aurora
Bruns, Melvin William	CE (SS)	72	* † St. Charles, Missouri
Bryan, Jennings Mathews	Bus (SS)	135	* † Chicago
Bryan, Mac Laurence	Ath		* † West Lafayette, Indiana
Bryan, Malcolm Honore	LAS (SS)	27	* † Champaign
Bryan, Mildred Murray	Jnl (SS)	67	* † Champaign
Bryan, Robert Edward	AE	31	* † Indianapolis, Indiana
Bryan, Vira Adele	SS	3	Champaign
Bryant, Chester Lewis	ME 1p		* † El Dorado, Arkansas
Bryant, Forrest Jennings	MedP	31	Hindsboro
Bryant, Robert Beach	Agr	108½	* † Princeton
Buchan, Leslie James	Bus	100½	* † Clarion, Iowa
Buchanan, Donald Partridge	MinE	29	* † Chicago
Buchanan, George Victor, Jr.	Jnl	104½	* † Norwalk, Connecticut
Buchanan, Gordon, Jr.	MinE	110½	* † Highland Park
Buchanan, Lloyd Jory	LG	71	* † Whiting, Indiana
Buchanan, Marjorie	LAS (SS)	42	* † Champaign
Buck, Glenn Leonard	Agr	92½	* † Moline
Buck, Herbert Jules	Bus		* † Davenport, Iowa
Buck, Mildred F	HELAS	63½	* † Monmouth
Buckler, Helen Irene	LAS	93½	* † Champaign
Buckler, Howard Werner	Agr	35½	* † Champaign
Buckler, Mrs. Mary Howe	HELAS (SS)	71	* † Urbana
Buckley, Lillie Mary	LAS	74½	* † Champaign
Bucknell, Roger Winston	EE	25	* † East St. Louis
Budan, Sylvia	LAS	59	* † Chicago
Buddeke, V Frank	EE	35	* † Peru
Budelier, Harry Edward	GE	25	* † Rock Island
Budenbender, Henry William	ME(SS)	37	* † Cicero
Budge, Ernest James	CE		* † Grand Fork, North Dakota
Bueche, Arthur Henry	Ath(SS)	7½	* † Elgin
Bueche, George Victor	Bus		* † Elgin
Buehler, Walter Anthony	AE	71	* † Whiting, Indiana
Buehrig, Donald Frederick	Bus	37	* † Mason City
Buell, Edwin Deloss	Ath		* † Homewood
Buescher, Walter Henry	Bus		* † Freelandville, Indiana
Buford, Shelby	MedP	27½	* † Chicago
Buhrmester, Catherine Caroline	LAS	68	* † Nashville
Bulkeley, Helen Elizabeth	LAS	64	* † Libertyville
Bull, Mrs. Margaret Austin	SS	7½	Effingham
Bulley, Allan Edgar	CE	82	* † Kenilworth
Bullington, Fay Montoya	CerE		* † Blue Mound
Bullock, Boyd Willard	Bus	111½	* † Evansville, Indiana
Bullock, Lucile Salisbury	HELAS	64½	* † Tonica
Bullock, Margaret Helen	HELAS	62	* † Earlville
Bullock, Max			* † Bloomington, Indiana
Bullock, Norman Charles	MedP	47	* † Rockford
Bulow, Wilma Ernestine	LAS		* † Chicago
Bumstead, Alice May	LAS	98	* † Colorado Spring, Colorado
Bumsted, Vera Frances	LAS	33	* † Woodstock
Bunge, Gordon Carl	LawP	31	* † Maywood
Buntin, Catharine	HEAgr	113	* † Bushnell
Bunting, William Layman	EE	27	* † St. Joseph, Missouri
Burch, Laurence Arthur	EE	71	* † Momence
Burch, Mary Edith	LAS		* † Dixon
Burcky, Andrew C	Ath	8	* † Tiskilwa
Burd, Katharine Wilson	LAS	96	* † Perry
Burdette, Robert Russell	SS		Portsmouth, Ohio
Bures, James Edward	ME		Cicero
Burge, Olav Dobbins	LAS(SS)	86½	* † Wichita, Kansas
Burgess, Ann Kathleen	SS	3	Fairfield
Burk, Leo	Law	78	* † Danville
Burke, Alice Brady	HELAS		* † Chicago
Burke, Elmer D	Ath	37	* † Champaign
Burke, James B	Law		* † Kansas City, Missouri
Burke, Richard Brown	Bus		* † Chicago
Burke, Sterling Clinton	Bus		* † San Antonio, Texas
Burkhardt, Victor Frederick	LAS	5½	* † Berwyn
Burkhart, Oscar Edwin	LAS	99½	* † Edgerton, Ohio
Burkhart, Paul Henry, B.S., 1916	Arch	142	* † Henry
Burlingame, Ruth Mae	SS		Evansville, Indiana
Burmeister, Bernice Baird	LAS	28	* † Chicago
Burnell, Edwin	Bus		* † Chicago
Burnell, William Reese, B.S., 1921	SS	146½	Spring Valley
Burner, Jarvis Nicholas Burr	Agr(SS)	37	* † Peoria
Burnett, Bernice Fannie	LAS		* † Champaign
Burnett, Marion Russell	Bus		* † Chicago
Burns, Grace Winifred	LAS	31	* † Homer
Burns, Johnson Green	ChE	69	* † Greenfield
Burns, Randall Essex	Bus	38	* † Hinsdale
Burns, Sanford Robey, B.A., 1919	SS		Freeport
Burnside, Evangeline Bernice	LAS	27	* † Abingdon
Burpo, Helen Lucile	LAS(SS)	7	* † Urbana
Burr, Carroll Jenkins	LAS		* † Western Springs
Burres, Joseph Reuben	LAS (SS)	14	* † Tuscola
Burris, Arthur	Agr	29½	* † Tonica

Burris, Joseph Garman	LAS	53½	* †	New Castle, Indiana
Burris, Quincy Guy	LAS	47	* †	Danville
Burritt, George Evan	CE	97½	* †	Rockford
Burritt, Lewis Everett	ForC	63	* †	Rockford
Burrows, Vernon Leslie	Bus		†	Champaign
Burster, Lillie Mae	LAS		* †	El Paso
Burt, Brian Parker	MinE(SS)	55½	* †	Kenney
Burt, Clarence Edward	Agr	55	* †	Savoy
Burt, Henry Jackson, Jr.	CE	20½	* †	Wilmette
Burt, LeClare Thaddeus	EE		* †	West Frankfort
Burt, Wanda Vivian	HEAgr		* †	West Frankfort
Burtis, Ruth	HEAgr		* †	Phoenix, Arizona
Burton, Ruth Beatrice	LAS	50	* †	Urbana
Burton, William Jennings	ME	87½	* †	Murphysboro
Burwash, Maynard Boswell	Agr	75	* †	Champaign
Busbey, Loucine Carl	CE	97	* †	Sparta
Bush, Della Mae	LAS		* †	Clinton
Bush, Donald William	LG	55	* †	Kansas City, Missouri
Bush, Franklin Hubbard	Bus	144	* †	Joliet
Bush, Harold Lockley	ME	61	* †	Quincy
Bush, Ralph Royal	ME	75	* †	Yakima, Washington
Bushman, Joseph Robert	CE	70	* †	Omaha, Nebraska
Buss, Elmer Jennings	CE	33	* †	Argyle, Wisconsin
Bussart, James Everett	Bus	16	* †	Paris
Bussart, Ora Ivan	Agr		* †	Urbana
Bussell, Helen Katherine	Jnl	62	* †	Greensburg, Indiana
Bussian, Marie Antoinette	LAS	69	* †	Chicago
Butler, Everett Hill	Bus	32	* †	Hillsboro
Butler, James Allen	LawP		* †	Urbana
Butler, John Bruce	IndA	96½	* †	Cairo
Butler, Louise Mildred	AE	138½		Belleville
Butler, Mary Hein, B.S., 1917	SS	9		Champaign
Butler, Ruth Eliot	SS	144½		Indianapolis, Indiana
Butman, John Edward	HEAg	65	* †	Chicago
Butner, Wendell Boise	ME	67	* †	Harrisburg
Butt, Emma Mae	MedP		* †	Little Rock, Arkansas
Butterbaugh, Homer Wolf	LAS	27	* †	Lanark
Butterfield, Frederick Fayette	ME	82½	* †	Libertyville
Butterfield, Paul Kenyon	LAS		* †	Highland Park, Michigan
Butters, Howard Erb	Ath		* †	Chicago
Butts, Ruby Darlene	MinE		* †	Harvard
Butwell, Galen R.	Jnl	69	* †	Streator
Butz, Jesse Samuel	Agr		* †	Champaign
Butz, Mrs. Mary F	EE		* †	Champaign
Byerley, Jacob Roy	Mus sp		* †	St. Joseph
Byerly, Robert Orvette	SS	25		Callin
Byers, Donald Morrison, A.B., 1921	Ath	19	* †	Garret, Indiana
Byrne, Blanche Grace	SS	130		Broadwell
Byrne, Frankie Helen	SS	5		Indianapolis, Indiana
Byrne, James Robert	LAS		* †	Rossville
Byrnes, Edward Paul, Jr.	Bus		* †	Chicago
Byrus, Guinevere	ME	19	* †	Chicago
Bzdek, Joseph Louis	LAS	60	* †	Champaign
Cable, Erma Elizabeth	LAS		* †	Chicago
Cadaval, Eduardo Gonzalez, B.S., 1921	Ed	116	* †	Chicago
Cade, Helen Jane	EE	142	* †	Durango, Mexico
Cadenhead, George Lorimer	HELAS	84	* †	Urbana
Cadmore, John Rannels	ME	68	* †	Winnetka
Cadwell, Charles Stewart	Agr	90	* †	Waukegan
Cadwell, Harold Edgar	REE	71½	* †	LaGrange
Cagannon, Oscar William, B.S., 1921	Bus (SS)	85½	* †	Rockford
Cahill, Charles Adams, Jr.	SS	155½	* †	Champaign
Cain, Con Rice	AE	104	* †	Milwaukee, Wisconsin
Cain, Joseph Ignatius	MedP		* †	Rantoul
Cain, Lulu	ME	36	* †	Rock Island
Cain, Vivian Catherine	LAS	114½	* †	Champaign
Cain, Walter David	Bus sp		* †	Champaign
Caldwell, Alfred	Bus	28	* †	Chicago
Caldwell, George Dix	Bus		* †	Chicago
Caldwell, Helen Louise	SS	5½		Warrensburg, Missouri
Caldwell, Ruth Margheretta	LAS	68	* †	Decatur
Calene, Edwin LeRoy	Bank	102	* †	Sheldon
Calkins, Frederick Theodore	ME	94½	* †	Sylvan Grove, Kansas
Calkins, Perry Shaul	Arch		* †	Chicago
Callahan, William Joseph	Arch	93½	* †	Freeport
Callen, Robert John	SS	7	* †	Chicago
Calta, Edward John	ME		* †	Collinsville
Caluya, Manuel Agbayani	CE	108½	* †	Chicago
Calvert, Mills LaMott	Bank	45½	* †	Vintar, Philippine Islands
Calvetti, Theresa Louise	CE	32	* †	Lawrenceville
Cambre, George Herbert	LAS		* †	Rutland
Cameron, Alan Bruce	Arch		* †	Alexandria, Louisiana
Cameron, Allan Marshall	IndA	92½	* †	Chicago
Cameron, Daisy Catherine	ME		* †	Chicago
Cameron, Edmund Francis	CGS	101	* †	Dundee
Camp, Chester Bennett	Bus	53	* †	Dundee
	SHAAgr	73	* †	Cairner

Camp, Eleanor Brandt	SS		Summerfield
Campbell, Carlos Elmer	SS	121 1/4	White Hall
Campbell, Eugene Shuey	IndA	53	* † Tuscola
Campbell, Ida Charlotte	SS	7	* † St. Paul, Minnesota
Campbell, Jeanne Adeline	LAS	69 1/2	* † Pecatonica
Campbell, Logan S.	Bus (SS)	32 1/2	* † Traer, Iowa
Campbell, Newell Frank	ForC		* † Valparaiso, Indiana
Campbell, Ralph Elbridge	Bus		* † Grand Ridge
Campbell, Ronald Kenneth	ChE	31	* † Hubbard Woods
Campbell, Thomas Henry	SS	1/2	* † Franklin, Indiana
Campbell, Walter Edward	Arch		* † Peoria
Campos, Juan Dayano	LAS (SS)	103 1/4	* † Sinait, Philippine Islands
Camroe, Irving Harold	CerE		* † Chicago
Canaday, Franklin Augustus	Agr	98	* † Homer
Canaday, James	ME		* † Georgetown
Canan, Mack Clelland	MedP	35	* † Baichtown
Canedy, Cecil Adelbert	Agr	07	* † Mt. Carmel
Cannon, John	LAS		* † Laramie, Wyoming
Cannon, John Deering	Bank	68	* † Chicago
Cannon, Ward Curtis	Agr	104 1/2	* † Buckley
Cansfield, Arthur Howard	SS	7	* † Mt. Clemens, Michigan
Canter, Mrs. Edna Maloy	LAS	30	* † Campaign
Cantrell, Charles Burdette	Bus	25 1/2	* † St. Louis, Missouri
Cantrell, Helen Naomi	LAS		* † Danville
Caplin, Victor	Accy	30 1/2	* † Chicago
Capouch, Myron Edwin	MinE	73 3/4	* † Oak Park
Capron, Margaret Winifred	LAS	61	* † Campaign
Carhart, Ralph Miller	CE	42	* † Wayne, Nebraska
Carl, Emmons Perry	EE		* † Rockford
Carlock, Margaret Louise	LAS	24	* † Urbana
Carloss, Winifred	Chem	54	* † Joliet
Carlsen, Dwight Allen	Bus	35	* † Chicago
Carlson, Carl Harold	Bus	75	* † Rockford
Carlson, Carl Harold	CE	35	* † Oak Park
Carlson, Ernel Franklin	Bus	42	* † Onawa, Iowa
Carlson, Herbert Nels Richard	EE	107 2/3	* † Chicago
Carlson, Joel Williams	Bus	46 1/2	* † Rockford
Carlson, Melvin Carl	Bus	97 3/4	* † Chicago
Carlson, Paul Leonard	CE	131 1/2	* † Lake Forest
Carlson, Solomon Wilhelm	CE	34	* † Batavia
Carlson, Thomas William	IndA	53	* † Evanston
Carlson, Wesley Royal	Bus	14 1/2	* † Elgin
Carlyle, Glenn Wilson	EE	68	* † Albion
Carman, Gage Griffin	Agr	96	* † Charleston
Carman, Lois	HELAS	61	* † Urbana
Carman, Max Griffin	LAS	96	* † Charleston
Carman, Omar Sinn	SS	128 1/2	* † Urbana
Carmichael, Erdys Lucile	LAS		* † Urbana
Carmichael, Eunice Annie	LAS	70	* † Urbana
Carmichael, Gersham Narramore	LAS		* † Urbana
Carnahan, Charles Evert	Law	65	* † Lead, South Dakota
Carney, Charles Roslyn	LAS	98 1/2	* † Evanston
Carney, Clair Thomas	Bus (SS)	32	* † Belvidere
Carney, Margaret Esther	LAS		* † Morrison
Caron, Justin August	Arch	52 1/2	* † Oak Park
Carpenter Clarence Dale	Accy		* † Dahlgren
Carpenter, Erasmus Fayette	ME	71	* † Williston, North Dakota
Carpenter, Helene	LAS	37	* † Altoona, Iowa
Carpenter, Kenneth Duncan	Bus	33	* † Melott, Indiana
Carpenter, Paul Foushee	Bus		* † Stroud, Oklahoma
Carpenter, Robert Charles	Flor		* † Sioux City, Iowa
Carpenter, Willard Chipman	Accy	35	* † St. Louis, Missouri
Carr, Claire Eugene	MedP	82 1/2	* † Carbondale
Carr, Clayborne Hughes	MedP		* † Casey
Carr, Harold Ford	SS	1/2	* † Auburn
Carr, Harry Salisbury	SS	9	* † Dundee
Carr, John Gregory	IndA	54	* † Kansas City, Missouri
Carr, Warren Jonas	Bus		* † Aurora
Carr, Wilton Andrew	EE (SS)		* † Greenup
Carré, Darwin Beach	Law	37	* † New Orleans, Louisiana
Carré, David Morey	IndA	67	* † New Orleans, Louisiana
Carrington, Mrs. Alice	LAS sp		* † Joliet
Carrington, John Wesley	Ed (SS)	97 1/4	* † Fayette, Ohio
Carroll, Edward Aloysius	EE		* † Bloomington
Carroll, Gladys Viola	LAS	30	* † Greenville
Carrothers, William Gaylord	ForC	43	* † Fairfield
Carson, John Kemp	Bus		* † Urbana
Carson, Mildred Charlotte	Bus	21	* † Joliet
Carson, Raymond Clark	Law sp		* † Bethany
Carswell, James, Jr.	MedP		* † Decatur
Carter, Alice Leona	LAS		* † Trenton
Carter, Burton Danforth	Bus	29 1/2	* † Wilmette
Carter, Dale E	Bus	30	* † Tulsa, Oklahoma
Carter, Edna	HELAS	46	* † Rossville
Carter, Frank Stanley	EE	129 3/4	* † Litchfield
Carter, Fred L. Jr.	Bus		* † Indianapolis Indiana

Carter, Herbert Duane	ChE	105	* † Cleveland, Ohio
Carter, Joseph	Bus	80½	* † Assumption
Carter, Lucile, A.B., 1915	LAS irr		* † Indianapolis, Indiana
Carter, Margaret	LAS (SS)	104½	* † Jamaica
Carter, Raymond Frederick	CerE	20	* † Peoria
Carter, Susan Elizabeth	Bus		* † Rockford
Carter, Vena	ForC	90½	* † Rockford
Cartinhour, Gaines Thomson	IndA	2	* † Indianapolis, Indiana
Cartland, Silas	ME	113	* † Chicago
Cartwright, Albert David	Flor	58½	* † Collierville, Tennessee
Cartwright, Mildred Margaret	LAS	32	* † East Moline
Carver, Everett Willard	Bus		* † Canton
Carvlin, George Michall	Chem (SS)	137½	* † Chicago
Cary, Agnes Bernice	HELAS	96½	* † LaGrange
Casanas, Eileen	HELAS		* † New Orleans, Louisiana
Case, Alvin Edward	Bus		* † McHenry
Casey, Daniel Joachim	CE	66	* † Chicago
Casey, William Jerome	MinE	15	* † Chicago
Casler, William Justa	CE	75	* † Louisville, Kentucky
Cassella, John Milton	Bus		* † Alton
Cassingham, Dorothy	LAS		* † Champaign
Casson, Thomas Francis	ForC	66½	* † Elgin
Casstevens, Robert Louis	Accy	40	* † Champaign
Caster, Zella Verne	LAS	69	* † Mound City
Caswell, Ralph Waldo	EE	36	* † Hinckley
Cathcart, Annabel Elizabeth	LAS	92	* † Marissa
Catlin, George Edwin, Jr.	CE	72	* † Peoria
Cattell, Fred Roy	SS	130½	* † Salem
Catron, Kelly Ray	Agr		* † LaGrange
Cavins, Joseph Loren	ME	98½	* † Normal
Cawthorne, Sylvia Eleanor	LAS	29	* † Chicago
Cawvey, Clarence Eley	EE	67	* † Marion
Cecil, Walter Phillips	Bus		* † Muncie, Indiana
Chabot, Arthur Simon	Agr	119	* † Kankakee
Chadsey, Charles Price	LAS (SS)	6	* † Urbana
Chadwell, John Toole	Law	43	* † Quincy
Chadwick, Robert L	ChE		* † Pleasant Lake, Indiana
Chalman, Lois Anita	HELAS	52½	* † Chicago
Chamberlain, Grant	IndA		* † Berwyn
Chamberlain, Olivia Langdon	LG	90½	* † Winnetka
Chamberlain, Walter Orrin	ME	105½	* † Berwyn
Chamberlin, Frank Robert	ForC		* † Eldorado
Chamberlin, Roland McKendree	Agr (SS)	35½	* † Houston, Texas
Chambers, Gordon Wright	Accy		* † Anna
Chambers, Leonard Francis	ChE	17½	* † Oak Park
Chambers, Robert Nelson,	Bus		* † Evanston
Chance, James Howard	Arch	71	* † Salem
Chand, Mehar Riat	ME (SS)	9	* † Punjab, India
Chandan, Vallobt Chandra	EE(SS)	20	* † Karachi, India
Chandler, George Asa	LG	90½	* † Kansas City, Missouri
Chandler, George LaVerne	Bus	95	* † Waukegan
Chaney, David Leslie	CE	36	* † Springfield
Chaney, Owen Jewison	Agr	61	* † Springfield
Chang, Han Ying	CE	10	* † Shantung, China
Chang, Hsieh-Ku	Chem	31	* † Tientsin, China
Chang, Tseh	Bus		* † Taigunfu, China
Chang, Wei Piu	Bus		* † Fuyun, China
Changnon, Elizabeth Violet	Jnl		* † St. Anne
Chao, Hwui Wu	ME	126½	* † Honan, China
Chao, Tung Lien	Bank	27	* † Kiangsu, China
Chao, Wehan	ME	128½	* † Honan, China
Chaplin, Isabella	LAS		* † Chicago
Chaplin, Paul Wisegarver	LAS (SS)	66½	* † Clinton
Chapman, Maurice Lawrence	Bus		* † Chicago
Chapman, Maxwell Cook	Agr	69	* † Carmi
Chapman, Walter Leslie	Bus	50	* † Canton
Charles Leon Gaston	Accy		* † Danville
Charlton, Clarence Dean	LawP		* † Chicago
Charlwood, Theodore Wilford	LAS		* † Marissa
Charpier, Melvin Walter	Bus	29½	* † Chicago
Chatfield, Roy Hooy	Bus	53	* † Momence
Cheaney, Thomas Franklin	EE	108½	* † East St. Louis
Cheesman, Mignonne	LAS	60	* † Princeville
Chen, Cheng	ChE		* † Troy, New York
Chen, Chum Cheng	RME		* † Washington, D. C.
Chen, Kermit C	RCE	75½	* † Peking, China
Chen, Ko Wei	LAS (SS)	48½	* † Hunan, China
Chen, Sih Chi	SS	2	* † Kiangyin, China
Chen, Yu Ching	RCE (SS)	120	* † Washington, D. C.
Chen, Yuen Kai	SS		* † Shantung, China
Cheng, Hsio Yu	LAS	21	* † Nanchang, China
Cheng, Hubert P C	SS		* † Peking, China
Chenoweth, Homer F.	SS	23½	* † South Charleston, Ohio
Chermkoff, Jack Kully	LAS		* † Kansas City, Missouri
Cherry, Edgar Dean	Bus	8	* † Kewanee
Chesbro, Helen Hale	HEAgr	80½	* † Peoria

Chesley, Robert Charles	<i>Agr</i>		* † Urbana
Chesneau, David	<i>MedP</i>		* † Omaha, Nebraska
Chesnut, Nelson Hale	<i>MedP</i>	27	* † Mason City
Chiao, Harold Ho Ling	<i>SS</i>	11	* † Tientsin, China
Chiaro, James Edward	<i>Arch</i>		* † Melrose Park
Chiber, Martin Paul	<i>Voc vsp</i>		* † Chicago
Childs, Geneva Miriam	<i>SS</i>	7½	* † Joy
Choisser, Fladene	<i>LAS</i>		* † Benton
Chou, Chia Lee	<i>REE sp</i>		* † Yunnan, China
Chow, Tanmin Stungson	<i>RCE</i>	11	* † Canton, China
Chrisman, Carl Edward	<i>CE</i>		* † Paxton
Christ, Raymond Edward	<i>CerE</i>		* † Chicago
Christian, Harold Martin	<i>Agr (SS)</i>	30½	* † Sheridan
Christensen, Tyra Myrtle	<i>LAS (SS)</i>	91½	* † Champaign
Christiansen, Christian Valdemar	<i>Agr</i>	30	* † Chicago
Christiansen, Eunice Esther	<i>SS</i>	7	* † Rock Island
Christoff, Theodore	<i>LAS</i>		* † Kansas City, Kansas
Chu, Chia Jen	<i>ME</i>	17½	* † Soochow, China
Chu, Hai Ying	<i>ME (SS)</i>	40	* † Hupen, China
Chulock, William Leo	<i>LawP</i>		* † Maywood
Church, Millicent	<i>HELAS</i>		* † Sidell
Chung, Wei Chen, A.B., 1921	<i>SS</i>	131½	* † Shanghai, China
Churchill, Frank Richard	<i>EE</i>		* † Alexis
Clafford, Floyd Rowland	<i>ME</i>	76	* † Chicago
Clafin, Florence Janet	<i>HEAgr</i>	12	* † Washington, D. C.
Clancy, Marion	<i>SHHEEd(SS)</i>	80½	* † East St. Louis
Clapper, Alma B	<i>LAS sp</i>		* † Bondville
Clarahan, Burton John	<i>ForC</i>		* † Oak Park
Clare, Joseph Aloysius	<i>LAS</i>	16	* † Chicago
Clarida, Beulah Mae	<i>LAS</i>		* † Marion
Clark, Alvin William	<i>Agr</i>	35	* † Kinderhook
Clark, Chester Nicholas	<i>EE</i>	108	* † Champaign
Clark, Dean Meredith	<i>Bus</i>	36½	* † Chicago
Clark, Edwin Hart	<i>Bus</i>		* † Clinton, Iowa
Clark, Eugene Vestal	<i>Bus</i>		* † Anderson, Indiana
Clark, Francis Leonard	<i>Agr</i>	33	* † Blue Mound
Clark, Francis Matthew	<i>Agr</i>	69	* † Mt. Sterling
Clark, Hazel Martha	<i>LAS</i>	26	* † Champaign
Clark, Hollis Rushton	<i>Accy (SS)</i>	44½	* † Alma, Michigan
Clark, Jack Preston	<i>Bus</i>		* † Council Bluffs, Iowa
Clark, James William	<i>CE</i>	155½	* † Chicago
Clark, John Elliott	<i>LAS</i>	77½	* † Georgetown
Clark, John Heriot	<i>Agr</i>		* † Durban, South Africa
Clark, John Peters	<i>ME</i>	73	* † Chicago
Clark, John Thomas	<i>LAS</i>	44	* † Elgin
Clark, Kathryn Dumford	<i>Ed</i>	99½	* † Galeburg
Clark, Lloyd Talbert	<i>SS</i>	130	* † Kinderhook
Clark, Lloyd Tunks	<i>SS</i>	6½	* † Watska
Clark, Marshall Grant	<i>SS</i>	157½	* † Carthage
Clark, Paul Abrams	<i>Bus</i>		* † Independence, Missouri
Clark, Perry Edwin	<i>Bus</i>	38	* † Oxford, Indiana
Clark, Robert Howard	<i>Bus sp</i>		* † Chicago
Clark, Robert Mahlon	<i>AC(SS)</i>	32½	* † Carthage
Clark, Ronald William	<i>LAS</i>	31	* † Yorkville
Clark, Rowland Fancher	<i>Agr</i>	60	* † Maunie
Clark, Vera Mabel	<i>LAS</i>	31½	* † Winnetka
Clarke, Joseph Anderson	<i>Intl</i>		* † Chicago
Clary, Marion Wilbon	<i>SS</i>		* † Paducah, Texas
Classen, Fred Edward	<i>MedP</i>		* † Danforth
Clausen, Arthur Dwight	<i>Agr</i>	98	* † DeKalb
Clausen, Arthur Martin	<i>ME</i>	19½	* † Chicago
Clausen, Edna Kathryn	<i>LAS</i>		* † Chicago
Clausen, John Burkert	<i>CE</i>	37	* † Chicago
Clausen, John Thomas	<i>ME</i>	58½	* † Kenwood, Missouri
Claxton, Allen Enes	<i>Accy</i>	70	* † Hinsdale
Claxton, Alvie Jacob	<i>Accy</i>	70	* † Hinsdale
Clayton, Faith Lillian	<i>Bus</i>		* † Kempton
Clayton, Roy Earl	<i>ME</i>		* † Shreveport, Louisiana
Clayton, Wilbur Stanley	<i>EE</i>		* † Dixon
Cleary, Eugene John	<i>Agr</i>		* † El Paso
Cleary, James Joseph	<i>Bus</i>	8	* † Bloomington
Cleary, John Allen	<i>Bus</i>		* † Bloomington
Cleary, Raymond	<i>ChE</i>	77	* † Chicago
Clegg, John Joseph	<i>Agr</i>	66	* † Chandlerville
Clem, Alfred Moore	<i>SS</i>	6½	* † Macomb
Clemens, Arnold Wayne	<i>MedP</i>		* † Dixon Springs
Clements, Robert Cass	<i>LAS</i>	31	* † Chicago
Clendenen, Harold Campbell	<i>EE</i>	27	* † Arthur
Clendenin, John Cameron	<i>LAS</i>		* † Sparta
Cleveland, Edmund Griffith	<i>IndA</i>	8	* † Bloomington
Cleveland, Laura May	<i>Bus</i>	31	* † Rockford
Cleveland, Mary Jane	<i>LAS</i>	80½	* † Plymouth, Indiana
Clevenger, Joseph Henry	<i>MedP</i>	32	* † Mt. Erie
Clifford, Cecil Herbert	<i>Bus</i>	53	* † Chicago
Clifford, Chester Baldwin	<i>Bus</i>	69	* † Oak Park
Clinch, John Houstoun	<i>IndA</i>	35	* † Danville

Cline, Richard Montgomery	SS	8	Eureka Springs, Arkansas
Clingsman, William Herbert	EE	35	Chicago
Clinton, Carter Milner	EE	16	* † Freeport
Clinton, John Paul	Bus		* † Oak Park
Clough, Clarence Edison	Agr sp	44	* † Chicago
Clover, Willis Hatch	Ind A		* † LaGrange
Cloyes, Edith Field	Chem	114 $\frac{1}{2}$	* † Chicago
Clute, Beulah Kathryn	LAS	107 $\frac{1}{2}$	* † Joliet
Coale, Arthur Vernon	LG (SS)	128 $\frac{1}{2}$	* † Peoria
Coale, John William	Agr	129 $\frac{1}{2}$	* † Taylorville
Coath, Edward Stern	Bus	3	* † Chicago
Coath, Virgil Walter	Bus	66	* † Chicago
Coats, Nellie Mae, E.S., 1915	Lib	28	* † Lafayette, Indiana
Coatsworth, James Turner	Bus		* † Galena
Cobb, Carl Clingsman	Bus		* † Tipton, Iowa
Cobb, Howard Roger	Bank	63 $\frac{1}{2}$	* † Buffalo, New York
Cobb, John Louis	SS	31 $\frac{1}{2}$	* † McCormick
Cobb, Margaret Elizabeth	LAS	64	* † Chicago
Cochran, Charles Victor	Ath		* † Carmi
Cochran, Paul Boyd	ChE	123	* † Wilkesburg, Pennsylvania
Cochrane, Helen Marie	LAS	90 $\frac{2}{3}$	* † Danville
Cochrum, Dorothy Dale	LAS	60	* † Oakland City, Indiana
Coen, Mildred Mariam	LAS (SS)	110 $\frac{1}{2}$	* † Greenville, Mississippi
Coen, Philip Albert	Agr	69 $\frac{1}{2}$	* † Washburn
Coffee, Bess Anna	HE Agr	97 $\frac{1}{2}$	* † Elgin
Coffeen, Esther	LAS		* † Champaign
Coffeen, Richard Preston	ME	93	* † Champaign
Coffey, Mrs. Clara E	SS		* † Wooster, Ohio
Coffman, Alden Williams	Chem (SS)	94 $\frac{1}{2}$	* † Davenport, Iowa
Coffman, Louise Mable	HE Agr		* † Pana
Coffman, Mark Stark	Bus	96 $\frac{2}{3}$	* † Augusta
Cogdal, Joseph Thomas	SS	9 $\frac{5}{8}$	* † Sullivan
Coghlan, Anne Margaret	Jnl	33	* † Chicago
Cohen, Abraham Emil	MedP		* † Springfield
Cohen, Frank Leon	Chem		* † Jacksonville
Cohen, Jesse Lester	Bus		* † Metropolis
Cohen, Joseph	Bus	65 $\frac{2}{3}$	* † Biwabik, Minnesota
Cohen, Raphael	ME	91	* † Chicago
Cohen, William	CE		* † Chicago
Cohn, Ernest	Bus	31	* † Chicago
Cohn, Samuel	ChE	58 $\frac{2}{3}$	* † Chicago
Coker, Marion Blaine	SS	8 $\frac{1}{2}$	* † McLeansboro
Colby, Alfred Vail	Agr	33	* † Atkinson
Coldren, Fanny Alice, A.B., 1921	Lib (SS)	41	* † Topeka, Indiana
Cole, Carroll Lovern	Ind A (SS)	48	* † Marion, New York
Cole, Cline Merwin	Bus	31 $\frac{1}{2}$	* † Marion
Cole, Helen Bernice	LAS	100	* † Peoria
Cole, James William	Bus	69	* † Ludlow
Cole, Margaret	CCS	65	* † Marshall
Cole, Richard	Bus		* † Chicago
Colean, Clara Elizabeth	LAS	3	* † Peoria
Coleman, Ernest Claude	LAS	32	* † Grenup
Coleman, Frank Low	CSL		* † Oskaloosa, Kansas
Coleman, Helen Gertrude	SS	7	Ipava
Coleman, James Wade	EE	21	* † Willow Hill
Coleman, James Weatherly	SS	6 $\frac{1}{2}$	* † Strong, Arkansas
Colgren, Martha Ann	Bus		* † Chicago
Colin, Guillermo Garcia	LAS	60 $\frac{2}{3}$	* † Mexico City, Mex
Colin, Leopoldo Garcia	Chem	67 $\frac{2}{3}$	* † Champaign
Collard, Earl Samuel	SS	4 $\frac{1}{2}$	* † Marion
Colliek, Ruth Mildred	HELAS sp	14	* † Ironwood, Michig
Collier, Anna Bess	LAS	67 $\frac{1}{2}$	* † Urbana
Collier, Theodore Franklin	ME (SS)	65 $\frac{1}{2}$	* † Peoria
Colliflower, Inez Fern	LAS	28	* † Husonville
Colligan, Thomas Marcus	SS	45	* † Chicago
Collings, David Burton	EE (SS)	120 $\frac{1}{2}$	* † Urbana
Collins, Clarence Jackson	LAS	87 $\frac{1}{2}$	* † Champaign
Collins, Clifford LeRoy	Bus	32	* † Waterloo, Iowa
Collins, Earle John	Ind Ed	66 $\frac{1}{2}$	* † Chicago
Collins, Eloise Gibson	SS	2	* † San Mateo, Florid
Collins, Harold James	MedP	68	* † LaMoille
Collins, John Michael	Jnl		* † Lena
Collins, Thomas Adolph	Eng		* † Indianapolis, Ind
Collins, Walter Samuel	Agr	96 $\frac{1}{2}$	* † Rockford
Collins, William G.	Acy		* † Monticello, Indian
Colson, Lloyd Dewey	Bus	32	* † St. Charles
Colvin, Esther Marie, A.B., 1921	SS	133 $\frac{2}{3}$	* † Nebo
Combs, William Augustus	Eng	20	* † Collinsville
Comstock, Harry Higdon	Min E		* † Neoga
Comstock, John Aldrich	Min E	72	* † Neoga
Comstock, Lucy Emily	LAS	87 $\frac{1}{2}$	* † Chicago
Conaty, John Driscoll	Chem sp (SS)	52	* † East St. Louis
Condit, Esther Harriser	SS	4	* † Chicago
Condit, Forrest McCool	LAW	23	* † Evansville, Indi
Condit, Horace Vincenz	LAS		* † Beardstown
Condit, Russell Odell	Agr	24	* † Chicago

Condon, Harold Day	<i>Agr</i>	59½	* † Stillman Valley
Condon, Robert S	<i>SS</i>	7	* † Bloomington
Condon, Verner Holmes	<i>MedP</i>	32	* † Bloomington
Cone, Charles	<i>Bus</i>	29½	* † Little Rock, Arkansas
Cone, Maurice Lynn	<i>Law</i>	43	* † Sheridan, Wyoming
Cone, Russell Glenn	<i>CE</i>	111	* † Sheridan, Wyoming
Conely, Mary Emily	<i>HELAS</i>	61	* † Warrensburg
Congleton, Harlan Davis	<i>Agr</i>	27	* † Urbana
Conkey, Robert Wilson	<i>Bus (SS)</i>	14	* † Mendota
Conklin, George Julius	<i>SS</i>	8½	* † Bloomington, Wisconsin
Conley, Edwin Beck	<i>Bus</i>		* † Champaign
Conley, James Edward	<i>IndA</i>	62	* † Belvidere
Conley, Virginia Maurine	<i>LAS</i>	64	* † Kansas City, Missouri
Conlin, Bernard Aloysious	<i>ME</i>	35	* † LaGrange
Conlisk, Louis Moore	<i>LAS</i>		* † Kewanee
Conn, Gordon Brainard	<i>Bus</i>		* † Sparta
Conn, Harlan DeWitt	<i>ForC</i>	98½	* † Champaign
Connelly, Joseph Turner	<i>Agr (SS)</i>	47	* † Westfield
Connelly, Ruth Elsie	<i>SS</i>	8	* † Judson, Indiana
Connolly, Catherine Elsie	<i>LAS</i>		* † Chicago
Connolly, Leo Albert Paul	<i>Bus (SS)</i>		* † Springfield
Connolly, Leo Andrew	<i>Agr</i>		* † Marrayville
Connor, Christopher Augustus	<i>SS</i>	8	* † Boston, Massachusetts
Connor, Daniel Allman	<i>SS</i>	2½	* † Washington, D.C.
Connor, John Hal	<i>SS</i>	132½	* † Newton
Connor, Madge	<i>Ed</i>	60	* † Toledo, Ohio
Conover, Harry Richard	<i>Ath</i>		* † Harrisburg
Conrad, Casper Hanzer, Jr.	<i>Agr</i>	146	* † Champaign
Conrad, Charles William	<i>SS</i>	12½	* † Charleston
Conrad, Clarence Leonard	<i>EE</i>	107½	* † Charleston
Conrad, John Walter	<i>Accy</i>	104½	* † Charleston
Conrad, Mrs. Hazel Porterfield, A.B., 1921	<i>SS</i>	136½	* † Urbana
Conroy, Theodore Joseph	<i>ChE</i>	68	* † Chicago
Conyne, Charles Howard	<i>Bus</i>		* † Warren
Cook, Alice Lorene	<i>HEAgr</i>		* † Oak Park
Cook, Beatrice Marie	<i>LAS</i>	53½	* † Chicago
Cook, Carl Frederick Martin	<i>Agr</i>	121	* † South Bend, Indiana
Cook, Carroll H	<i>EE</i>		* † Chicago
Cook, Grace	<i>LAS</i>	62½	* † Norris City
Cook, Henry Grady	<i>MedP</i>		* † Hattiesburg, Mississippi
Cook, Herman Louis	<i>CerE (SS)</i>	74½	* † Terre Haute, Indiana
Cook, James Lowell, Jr.	<i>IndA</i>		* † Chicago
Cook, Kenneth William	<i>ME</i>	2	* † Rockford
Cook, Mrs. Margaret Grace	<i>SS</i>		* † Champaign
Cook, Mrs. Rosamond Ray	<i>SS</i>	10	* † Alton
Cook, Raymond Mack	<i>LAS(SS)</i>	68½	* † Charleston
Cook, William Clifford	<i>SS</i>	9	* † Kane, Pennsylvania
Cooke, Robert Howell	<i>CE (SS)</i>	132½	* † Blairstown, New Jersey
Cooke, Thomas Dudley	<i>AE</i>	70	* † Lexington
Cooke, Thomas Gaunt	<i>ChE</i>		* † Chicago
Coolidge, Marshall Miller	<i>ME</i>		* † Maywood
Coolley, Marion Fowler	<i>Bus (SS)</i>	90	* † Danville
Coons, Ansel Lucian	<i>Eng</i>	30½	* † Gary, Indiana
Coons, Charles Smarte	<i>LAS</i>	41½	* † Gary, Indiana
Cooper, Albert William	<i>ME</i>	110½	* † Quincy
Cooper, Florence Kathlyn	<i>LawP</i>		* † Chicago
Cooper, Humphrey John	<i>CE</i>	40½	* † Quincy
Cooper, Maitland Henry	<i>Eng</i>	44	* † Ottawa
Cooper, Robert Allen	<i>LAS</i>		* † Springfield
Cooper, William	<i>Bus</i>	34½	* † Chicago
Cooper, William Henry	<i>MedP</i>		* † Dawson
Cope, Allison Jerome	<i>CE</i>	35	* † Champaign
Copeland, Earl Renwick	<i>Agr</i>	35	* † Coulterville
Copley, Harriet	<i>LAS</i>	85½	* † Joliet
Copley, Mary	<i>Ed</i>	130	* † Joliet
Copp, Fulton Watson	<i>REE</i>	30½	* † Detroit, Michigan
Copper, Earl McHarry	<i>CE</i>	36	* † Mason City
Corbett, Carrol Eberhardt	<i>Bus</i>	31	* † Arthur
Corbett, James Charles	<i>IndA</i>	15½	* † Chicago
Corbin, Alice Maurine	<i>HELAS</i>		* † Winnebago
Corbin, Leland Harlan	<i>Agr</i>	32½	* † Newton
Corbin, Robert Merle	<i>ChE</i>	68	* † Winnebago
Cord, Joy Sylvia	<i>HELAS (SS)</i>	93	* † Philo
Cordes, Harry Henry	<i>CE</i>		* † Havana
Corduan, Walter Ernest	<i>ME</i>		* † Chicago
Corey, Harry Eugene, Jr.	<i>Agr</i>	64	* † Chicago
Corey, Raymond Sheridan	<i>Bus</i>	88½	* † DeKalb
Corman, Julian	<i>ChE</i>	69	* † St. Louis, Missouri
Cornell, Dorothy Eleanor	<i>HEAgr</i>	65	* † Gurnee
Cornell, Richard Silva	<i>Bus</i>	29½	* † Carthage, Missouri
Corner, Faye Emma	<i>LAS</i>	31	* † Urbana
Cornwell, Leah S	<i>HELAS</i>		* † Newman
Cornwell, Ross Eugene	<i>ME</i>	91½	* † Neoga
Corr, Harold Eugene	<i>IndA</i>		* † Woodstock
Corrie, Henry Bliss	<i>Agr</i>		* † St. Francisville
Corrington, John William	<i>Bus (SS)</i>	95	* † Jacksonville

Corsa, Elizabeth Loe	LAS (SS)	9	* † Whitehall
Corson, Wesley Connelly	MedP		* † Springfield
Cortes, Julio Paixao	Agr sp	3	* † New York, New York
Cortis, Robert Percy	CE	74	* † Hinsdale
Corwin, Whitney Ralph	LAS		* † Paris
Corwine, Grace Evans	LAS	65	* † Lincoln
Cory, Luella, A.B., 1917	Lib (SS)	38	* † Leavenworth, Kansas
Cory, William Robert, Jr.	SS	21	* † Springfield
Corzine, Desire Lucile	LAS		* † Taylorville
Cosgriff, Agatha	SS		* † Springfield
Cosgrove, Helen Geraldine	LAS	48	* † Odell
Coss, Harold Thornton	Cer E	106½%	* † Saunemin
Costello, James Eggert	IndEd		* † Ottawa
Costigan, Sherwood Lawrence	LawP	32	* † Chebanse
Cotes, Merwin Franklin	Bus	96½%	* † Peoria
Cothorn, Leland Irvin	MinE (SS)	109½%	* † Pana
Cottingham, Chester Edwin	Bus		* † Mattoon
Cottingham, Erma	HEAgr	131	* † Jerseyville
Cottingham, Lillian Blanche	LAS	76½%	* † Mattoon
Cottrell, Frances	LAS	63½%	* † Champaign
Cottrell, James Douglas	Bus	27	* † Champaign
Couch, Joseph Hichigel	SS	10½%	* † Georgetown, Texas
Coughenour, Carolyn Carmen	Accy	36	* † Fairfield
Coughlan, Ruth Ann	LAS	66	* † Kokomo, Indiana
Coughlin, Francis Collins	LAS	34	* † DePue
Coughlin, John Anthony	RT	41½%	* † Joliet
Coughlin, Lawrence	Eng	37	* † DePue
Coughlin, William Henry	Bus		* † Champaign
Coultas, Wilbur Horace	Agr	70	* † Virden
Coulter, Donald Miles	LAS	31	* † Robinson
Coulter, Grace Edna	HEAgr	31	* † Urbana
Coulter, Roscoe William Bryan	FOM	71½%	* † Urbana
Coulter, Valden Scott	MedP		* † East St. Louis
Councell, Charles Clemens	AE	122	* † Marion, Indiana
Coutchie, Stephen Andrew	Ath	25	* † Harvey
Coverdale, Ruth Victoria	LAS	71½%	* † Chicago
Covey, Ira Jay, B. S., 1921	Law	42½%	* † Peoria
Covington, Mary Louise	LAS	56	* † Havana
Cowan, Esther Lydia	Bus	100	* † Danville
Cowan, Irle Legolden	IndA	33	* † Roanoke, Indiana
Cowan, Rufus Bruce	Agr	17	* † Danville
Cowell, Roland A	Ath (SS)	114	* † Durham, New Hampshire
Cox, Charles Shore	MinE		* † Chicago
Cox, Donald Albert	IndA		* † Chicago
Cox, Dorothy Elizabeth	Int		* † Champaign
Cox, Fred William	Flor	11	* † Plymouth
Cox, George	Agr		* † Urbana
Cox, Richard Franklin	ME		* † Chicago
Cox, Robert Darlington	EE		* † Chicago
Cox, Virgil Jeannot	CE		* † Hammond, Indiana
Coyle, Amy Margaret	LAS	58	* † Berwyn
Coyle, Emanuel John	IndA (SS)	60½%	* † Galesburg
Coyner, Chester Claude	Eng	35	* † Chicago
Crabb, Warren Depert	ChE	74	* † Fowler, Indiana
Craig, Edward Eugene	EE	97	* † Champaign
Craig, Ivan Alburtus	Ath	½	* † Galva
Craig, Vern Clark	Bus		* † Galva
Crain, Edward Lawrence	Bus	32	* † Champaign
Crain, Joseph Milton	LawP	28	* † Villa Ridge
Crain, Ruth Elizabeth	LAS	65	* † East St. Louis
Cramer, Glenn Everett	ME	33	* † Quincy
Cramer, Paul Brey	ChE		* † St. Louis, Missouri
Crammond, Ralph Gibson	Agr	98	* † Peoria
Crandall, George Herbert	SS	7½%	* † Milton, Wisconsin
Crandall, Richard John	EE	43½%	* † Urbana
Crane, Clarence Brodbeck	Accy	31	* † Mattoon
Crane, Floyd Hamilton, B.S., 1921	SS		* † Ratenna, Ohio
Crane, Henry Ludlow	Agr	94	* † Clearmont, Missouri
Crane, Olie Leo	CE		* † Dawson
Crangle, Walter Francis	Ath	94½%	* † Onarga
Craver, Alva Wilfred, B.S., 1921	SS	145½%	* † Harvey
Craver, Nolan Cornwell	Bus	8	* † Effingham
Craw, Roy Brannan	LG	14	* † Grand Rapids, Michigan
Crawford, Arthur Read	ME		* † Mionok
Crawford, Bess Lovinia	LAS	29	* † Belknap
Crawford, Carroll Victor	Agr	69	* † Danville
Crawford, Katharine	SS	9½%	* † Tolono
Crawford, Mary Clare	HELAS	65	* † Urbana
Crawford, Philip Marion	ForC	56½%	* † Champaign
Crawford, Walter Charles	AC		* † Waukegan
Cray, Charles Louis	Law	58	* † Jerseyville
Crays, John A	Agr		* † Rossville
Crean, Chester Leo	MedP	27	* † Mattoon
Creek, Loverne Wallace	LAS		* † Villa Grove
Crenshaw, Margaret Young	LAS		* † St. Louis, Missouri
Crew Maurice Croushorn	SS	138½%	Aurora

Crews, Lillyan Ramona	HEAgr	33	* † Effingham
Crill, Clarence Elmer	Bus	99½	* † Monroe Center
Crimmins, Beatrice Rosanna	Bus		* † Mattoon
Crink, Mary Elizabeth	LAS		* † Milford
Crissey, Joel Bringham	Bus	62	* † Oak Park
Crissey, Kathryn	LAS		* † Chester
Crittenden, Thomas Edgar	Bus		* † Salem
Crocker, Collis Huntington	LAS	12	* † Portsmouth, Virginia
Croll, Henry Albert	EE	78¾	* † Chicago
Cromenes, Thomas Olon	Arch		* † Marion
Cromer, Lois Margaret	LAS		* † West Chicago
Cromwell, Bernhard J, Jr.	MedP (SS)	08	* † Hanover
Cromwell, John Ivan	IndA		* † Aurora
Crooks, Charles Franklin	Ath	58	* † Dayton, Ohio
Crooks, Lester Maurice	Agr	14	* † Milford
Crosly, Glen Monroe	IndEd	116½	* † Maywood
Cross, Grace Lillian	LAS		* † Hallidayboro
Cross, Lois Kathleen	LAS	67	* † Sidney
Cross, Wilford Oakland	LAS		* † Sidney
Crossett, Russell John	ME		* † Litchfield
Crossley, Clarence Francis	Chem	108½	* † Champaign
Crossman, Anna Mary	LAS		* † Decatur
Crotty, Joseph James	CE	72	* † Elmira, New York
Crouch, Elizabeth Martha	LAS	51½	* † Lafayette, Indiana
Crouch, Kenneth Gilbert	Bus		* † Tulsa, Oklahoma
Crouch, Margaret Marie	LAS	60	* † Urbana
Crow, Glenn Wilmer	CerE		* † Blue Mound
Crow, Russell Lowell	Bus	62	* † Independence, Missouri
Crowder, Frederick	CE		* † Bethany
Crowe, Dale John	Ath		* † Saugatuck, Michigan
Crowell, Addison Perry	Agr		* † De Kalb
Crowell, Zelah Eunice	Agr	68	* † Waterly
Crowley, John David	Agr sp (SS)	29	* † Peoria
Crowley, Mrs. Wilda A	LAS	17	* † Champaign
Crozier, Andrew Liddell	Bus	30½	* † Kansas City, Missouri
Crum, Virgil Handley	SS		* † Pontiac
Cruse, Inis Lucille	HEAgr	28	* † Flora
Culbertson, John Whittaker	Agr sp		* † Toulon
Culkin, Louis Thaddeus	ME	70½	* † Coxsackie, New York
Culp, Lester Brenholt	Accy	77¾	* † Alton
Culter, Samuel Harold	Agr	33	* † Ripley, Ohio
Cumback, Preston Waldo	ME		* † Hinsdale
Cumming, Rodney Keeney	ForC	70	* † Rockford
Cummings, Stella Maude	LAS	31	* † Keniland, Indiana
Cummins, John Wesley Key	Bus	30	* † Marion
Cunningham, Eunice	LAS		* † Champaign
Cunningham, Lowell Clem	Agr		* † Bismark
Curnock, William Leonard	CE	36	* † Maywood
Curran, Gordon Charles	Agr sp		* † Urbana
Curran, Rose Lee	SS	7	* † Payson
Currier, Paul Bernard	LAS		* † Frankfort, Indiana
Curry, Cordelia Patricia	LAS	30	* † Peoria
Curtis, Ernest	LAS		* † Carrollton
Curtis, Lucille Grace	LAS	24	* † Reynolds
Curtis, Owen Shepherd	Accy		* † Clinton, Indiana
Curtis, Vernon DeForrest	MedP		* † Alton
Curtis, Willard Benjamin	Bus	17	* † Joliet
Curtiss, Earle Muller	Chem	62¾	* † Chicago
Curtiss, Edward Augustus	Agr	101	* † Stockton
Curts, Donald Dewey	ChE	8	* † Anderson, Indiana
Curts, Harry Emerson	C&L		* † Anderson, Indiana
Cushing, Horace Lyman, Jr.	AE		* † Decatur
Cushman, Angeline Bertha	HELAS	120¾	* † Danville
Cusic, Francis Elwin	Bus		* † Riverside
Custer, Florence Cecelia	Bus	26	* † Hamilton, Ohio
Cuthbertson, Donald Franklin	Bus	34	* † Oak Park
Cutler, Esther Charlotte	Bus		* † Urbana
Cutler, George Clinton	Agr	74	* † Carthage
Cutler, Sara Agnes	LAS	48	* † Urbana
Cutshall, Paul Webster	Bus	68	* † Brazil, Indiana
Cywinski, Casimir Arthur	MedP		* † Chicago
Dack, Gail Monroe	Agr (SS)	105¾	* † Elgin
Daddino, Joe	SS		* † Chicago
Dahlberg, Doris Louise	LAS	51	* † Galesburg
Dahlman, Homer Stillwell	Bus	15½	* † Chicago
Dahm, Marie Florence	LAS	100	* † Chicago
Daigh, Percy Harrison	Agr	115½	* † Perry
Dale, Harry Lincoln	IndA		* † Aurora
Dale, Lowell	SS		* † Lebanon, Indiana
Dale, Ralph Emerson	Bus		* † St. Joseph
Dallera, Italia	LAS		* † Santiago, Chile
Daly, Harold Merland	LAS	58	* † Armington
Daly, Raymond Ernest, Jr.	LAS		* † Homewood
Damisch, Herbert Raymond	FOM	70½	* † Gilberts
Dana, Everett Varnam	Bank	62	* † Kewanee
Danda, Frank Anton	ME		* † Chicago

Danforth, Harlan Kingsbury	<i>Agr</i>	62	* †	Washington
Dangremond, Carleton Elmer	<i>Bus</i>	102	* †	Chicago
Dangremond, LeRoy Marion Gerritt	<i>CE</i>	91½	* †	Chicago
Dani, Vallabhdas Harjovindas	<i>Agr (SS)</i>	13	*	Bombay, India
Daniels, Lucy Helen	<i>LAS</i>	123	*	Chicago
Daniels Philip Maurice	<i>Bus</i>	41	* †	Chicago
Daniels, Rupert Samuel	<i>Chem</i>	100	* †	Harvey
Daniels, Stewart Derry	<i>SS</i>	131	*	Jerseyville
Danielson, Cecil Reynolds	<i>Bus</i>	66	* †	Rockford
Danielson, Charles Bowen	<i>Jnl (SS)</i>	5	* †	Champaign
Dapper, Howard Wesley	<i>Accy</i>	35	* †	Quincy
Dappert, Arlone Amanda	<i>LAS</i>		* †	Taylorville
Dardarian, Joseph Bedros	<i>CE</i>		* †	East St. Louis
Darling, Elton Richmond	<i>SS</i>	6	*	Decatur
Darling, George Edward	<i>Bus</i>	25	* †	Elkhart, Indiana
Darling, Lyman Abbott	<i>SS</i>	28½	*	Champaign
Darling, Ray Abner	<i>Agr</i>	2½	*	Waterman
Darmstatter, George Charles	<i>ChE</i>		*	New Athens
Darnall, Andrew Jackson	<i>Bus</i>	70	* †	Danville
Das, Ravendra Kumar	<i>EE</i>		* †	Calcutta, India
Dauber, Addis Lionel	<i>Agr</i>	97½	* †	Chicago
Daum, Leonard Stanley	<i>Arch</i>		* †	Chicago
Daum, Mildred Valeda	<i>SS</i>	6½	* †	Evansville, Indiana
David, Adelaide Irene	<i>LAS</i>		* †	Chicago
David, Norman Kessler	<i>Bus</i>	24	*	Chicago
Davidson, Florence Edith	<i>SS</i>		*	South Hibbing, Minnesota
Davidson, Genevieve Martha	<i>Mus</i>		* †	Greenville
Davidson, Herbert Clark	<i>ChE</i>		* †	Wichita, Kansas
Davidson, Isabel	<i>LawP</i>		* †	Chicago
Davidson, James Meyer	<i>LAS</i>		* †	Quincy
Davidson, Neinia June	<i>SS</i>	7	*	Salem
Davis, Gordon McKinley	<i>Bus</i>		* †	Oak Park
Davis, Ahren Adam	<i>ForC</i>	31	* †	Fairfield
Davis, Alfred Hotchkiss	<i>IndA</i>	35	* †	Robinson
Davis, Catalina	<i>LAS (SS)</i>	93½	* †	Philo
Davis Chester Randolph	<i>Law</i>	61	* †	St. Charles
Davis, Clare Rudolph	<i>Ed (SS)</i>	76½	* †	Donnellson
Davis, Donald Byer	<i>Agr</i>	65	* †	Connersville, Indiana
Davis, Earl William	<i>Accy</i>	76½	* †	Pueblo, Colorado
Davis, Edward Moffett	<i>RCE</i>	35	* †	Indianapolis, Indiana
Davis, Florence Elizabeth	<i>LAS</i>	51½	* †	Urbana
Davis, George Andrew	<i>Law</i>	27	* †	Hazel Crest
Davis, Grace	<i>Mus</i>	29	* †	San Jose
Davis, Harold Baltzell	<i>Arch (SS)</i>	106½	* †	Champaign
Davis, Harold Sterling	<i>IndA (SS)</i>	79½	* †	Springfield
Davis, Herschel B	<i>Law</i>	17	* †	Clinton, Indiana
Davis, Ivan William	<i>Bus</i>	29	* †	Urbana
Davis, John	<i>ForC sp</i>	48	* †	Newton
Davis, Jonathan Epaphras	<i>Agr</i>		* †	Atwater
Davis, Joseph Keith	<i>CE</i>		* †	Wilmette
Davis, Josephine	<i>LAS</i>		* †	Champaign
Davis, Lewis Walter	<i>SS</i>	8	*	Mooreland, Indiana
Davis, Lynn La Barge	<i>Bus</i>	32	* †	Wilmette
Davis, Myrtle Ellen	<i>HELAS</i>	59	* †	Corydon, Indiana
Davis, Nathan J	<i>Bus</i>		* †	Cincinnati, Ohio
Davis, Nord William	<i>LG</i>	56	* †	Fairmont, Minnesota
Davis, Ora William	<i>Agr</i>	64½	* †	Hennepin
Davis, Palmer	<i>Agr</i>	14½	* †	Fairmount
Davis, Ralph Charles	<i>AE</i>		* †	Indianapolis, Indiana
Davis, Royal Edgar	<i>SS</i>		* †	Greencastle, Indiana
Davis, Vernetta Wiltse	<i>LAS</i>		* †	Clayton, Missouri
Davis, Virginia Helen	<i>ForC</i>	34	* †	St. Louis, Missouri
Davis, Waldo Emerson	<i>EE</i>	123	* †	Rapatee
Davis, William Bryan	<i>Arg (SS)</i>	46	* †	Bloomington
Davison, Alma Kaveta	<i>Mus</i>		* †	Marshall
Davison, Dale Marshall	<i>Bus</i>		* †	Marshall
Davison, Dorothy Stella	<i>LAS</i>	54½	* †	Chicago
Davison, Eugene L	<i>Agr</i>	80½	* †	Springfield
Davison, Florence Mabel	<i>LAS</i>	54	* †	Chicago
Davisson, Robert Mary	<i>LAS (SS)</i>	90½	* †	Springfield
Daw, Alfred Sebastian	<i>EE</i>		* †	Naperville
Dawley, Helen	<i>SS</i>	7	*	Champaign
Dawson, Francis Auras	<i>ChE</i>	35	* †	Kokomo, Indiana
Dawson, George	<i>Bus</i>	31	* †	Wheaton
Dawson, Presley Carson	<i>Bus</i>	32	* †	Dixon
Dawson, Sarah Eleanor Helen	<i>HEAgr</i>	64	* †	Champaign
Day, Esther Victoria	<i>LAS</i>	90½	* †	Bement
Day, George Vernon	<i>Agr</i>	38	* †	Dolton
Day, Howard Bloodgood	<i>EE</i>	70	*	Westfield, New Jersey
Day, Winfred Elmer	<i>Bus</i>	50	*	Stoux City, Iowa
Deakin, Alice Elizabeth	<i>LAS</i>	26	*	Champaign
Dean, Ethel Mary	<i>HELAS</i>		* †	Albion, Michigan
Dean, Harold Frederick	<i>ME</i>	104½	* †	Mendota
Dean, Helen May	<i>SS</i>	11	* †	Bloomington
Deane, Horace Albert	<i>LAS</i>		* †	Moline
Deaner, Mary Louise	<i>LAS</i>		* †	Marshall

Deatherage, Marjorie Aline	Mus	72	* † Auburn
Deaver, Mary Lenore, B.S., 1918	Lib		* † Rose Farm, Ohio
Debuchy, Albert Edward	SS	5½	* † Buenos Aires, South America
Decker, Adeline Margaret	LAS	12	* † Wilmette
Decker, Charles Henry	SS		* † Urbana
Decker, Howard Eugene	Bus		* † River Forest
Decker, John Ernest	Bus	62	* † River Forest
DeCook, Harry Benjamin	SS	7½	* † Rose Hill, Iowa
DeCrow, Edward Bristley	C&L		* † Indianapolis, Indiana
Dedman, Phil Thornton	ME	105¾	* † Kansas City, Missouri
Deem, Elmer Martin	SS		* † Greensburg, Indiana
Deering, Richard Francis	CE	40	* † Chicago Heights
Dees, Charles Lenard	EE	17½	* † Oblong
Dees, Dorothy Lois	LAS		* † Oblong
Defenbaugh, Charles Ronald	LawP	40	* † Ancona
DeHart, Glen	Agr	27½	* † Arthur
DeHaven, Walter Samuel	Bus	90½	* † Chicago
Dehr, William Bohlander	EE	04¾	* † Hinsdale
Deihl, Rolla Lescher	Bus (SS)	36	* † Morrisonville
DeJarnette, Reven Sims	Mus	29½	* † Parsons, Kansas
Delap, Ralph Leonard	IndA	35	* † Kansas City, Missouri
De Loach, Edward Lowell	LAS	29	* † Chicago
De Lorme, Emil	Voc esp (SS)	24	* † Peoria
Demaree, Leafy Pearl	SS	7½	* † Charleston
Demlow, Edwin Merritt	LG		* † Champaign
Dempsey, Helen Clara	LAS		* † West Chicago
Dencer, Frederick Arthur	MinE (SS)	106¾	* † Chicago
Deneke, Elmer Frederick	IndA		* † Beecher
Denham, Francis Scott	ME		* † Whiting, Indiana
Denison, Van Alvin	AE	32¾	* † St. Louis Missouri
Dennett, Dorothy	LAS	43	* † Wilmette
Dennett, Helen	LAS	66	* † Wilmette
Dennie, Frank Edward	SS	¾	
Dennis, Floy Edith	SS	4½	* † Platteville, Wisconsin
Dennis, Inez Irene	LAS	29	* † Homer
Dennis, Jacob Francis	Bus	28	* † Ellsworth
Dennis, James Adelbert	SS	3¾	* † Rockford
Dennis, Katherine Mc Clelland	LAS	67	* † Urbana
Denny, Blanche Erminnie	SS	7	* † Alton
Denny, Maurine Louise	LAS	65	* † Vandalia
Denton, Marcelle Freeland	LawP	35	* † Hillsboro
Denzel, Robert Emil	Bus	29	* † Highland Park
Dependahl, Carrie Wilhelmina	Ed (SS)	19	* † Delhi
Dependahl, Serena Elvira	SS	15	* † Alton
Deputy, Robert Maurice	Jnl		* † Bridgeport, Indiana
Deremiah, John Francis	EE (SS)	53	* † St. Elmo
DeSart, Minnie Estella	SS		* † Butler
DeShane, Roy Emery	ME	57	* † Panama
Despres, Madeleine Louise	LawP (SS)		* † Chicago
Dette, Elsa Frances	LAS		* † Chicago
DeTurk, Lucia Marie	Mus sp		* † Buckhannon, West Virginia
Detweiler, Richard Storz	LAS sp		* † Chicago
Devere, Florence Edith	Bus	69	* † Kankakee
Devore, Jack Joseph	ME	122	* † Chicago
De Wees, Dwight L	MedP	32	* † Mooresville, Indiana
De Wees, William	Agr sp (SS)	3	* † Harrisburg
Dewey, Carroll Wright	SS	4¾	* † Champaign
Dewhirst, Ernest Maxwell	MedP		* † Bridgeport
Dewhirst, Omar Allen	MedP		* † Champaign
DeWitt, Helen	LAS		* † Urbana
DeWitt, Herman William	Bus	32	* † Mt. Vernon
De Witt, Lloyd Rollan	Jnl	2¾	* † Dahlgren
De Witt, Maurice Irvin	Law		* † Mt. Vernon
De Witt, Richard Heffion	SS	6½	* † Kirksville, Missouri
Dexter, Clyde L	Agr	120¾	* † Galva
Dhar, Matlal	EE		* † Bengal, India
Dhein, Ray Emerson	AE	106½	* † Dayton, Ohio
Dhir, Rup Chand	EE (SS)	102	* † Punjab, India
Dice, Wilbur	Agr		* † Danville
Dickey, Margie E	LawP		* † Chicago
Dickinson, Marjorie	LAS (SS)	72	* † Champaign
Dickinson, Richard J. Jr.	Bus sp	8	* † Griggsville
Dickinson, Robert Ellis	Bus	61	* † Eureka
Dickson, Jack	Bus	71¾	* † Little Rock, Arkansas
Dickson, John Harold	Bus		* † Spring Grove
Dicus, John Lester	EE	29	* † Indiana Haris, Indiana
Diefenderfer, George Woodruff	Agr	100½	* † Oak Park
Diefendorf, Adelbert	EE sp		* † Chicago
Dierks, Bertha Pearl	LAS sp		* † Richmond, Virginia
Dietrich, Carl Bernhardt	IndA	115½	* † Champaign
Dietrich, Ruth Josephine	LAS	99¾	* † Bremen, Indiana
Dilbeck, James Edward	SS	8½	* † Greenville
Dille, Lavina Faye	HEAgr	66	* † Lincoln
Dilling, Lela Lucile	LAS	139¾	* † Urbana
Dillman, Pauline Isabella	SS	7	* † Joliet

Dillon, Teresita	LAS	SS	121½	*	†	Danville
Dilsaver, Jewell Irwin	C&L		20	*	†	White Heath
Dimick, Harold Arthur	Ath		113½	*	†	Aurora, Oregon
Dimond, Lawrence Everett	Bus		32	*	†	Aurora
Dingley, Paul George	Eng			*	†	Youngstown, Ohio
Dining, William James	LAS			*	†	St. Francisville
Dinsmore, Webb Onslow	Int		47½	*	†	Attica, Indiana
Dippell, Lawrence Vernon	CerE		59	*	†	Freeport
Dippell, Randle Luher	LAS			*	†	Huntington, Indiana
Dittmann, Frances E	Agr		8½	*	†	Chicago
Divelbiss, Maecotta	LAS			*	†	Collinsville
Dixon, Alfred Leonard	Chem		70	*	†	Champaign
Dixon, Arthur George	CE		39½	*	†	East St. Louis
Dixon, Burns Greenough	Bus			*	†	Marshall
Dixon, Guy	SS		130	*	†	Champaign
Dixon, Hubert Theodore	EE		61½	*	†	Kewanee
Dixon, Kenneth Robert	Agr			*	†	Waterman
Dixon, Ruth Ludden	LAS		89½	*	†	Chicago
Dixon, Thomas Carl	Acy		110½	*	†	Vincennes, Indiana
Doak, Emily Elizabeth	LAS		100½	*	†	Paris
Doak, George William	Agr		80	*	†	Dexter, Missouri
Doak, John	AE			*	†	Paris
Doak, Samuel Armitage	SS		7½	*	†	Greenville, Tennessee
Dobbins, Dorothy Courtney	LAS			*	†	Champaign
Dobbins, Ray Franklin	LawP		44	*	†	Champaign
Dobbs, Jessie Irene	LAS			*	†	Petersburg
Dobson, Ralph P	Agr			*	†	Cerro Gordo
Dobson, Ray Robinson	Acy		70	*	†	Milmine
Dodds, Josephine, A.B., 1917	LG irr		187	*	†	Champaign
Dodds, Morris Barnes	ChE (SS)		32	*	†	Springfield
Dodge, Charles Hulbert	Min E		41	*	†	Fall River, Massachusetts
Dodge, Edna Eugenia	LAS			*	†	Oak Park
Dodge, Eleanor Edith	Int		31	*	†	Oak Park
Dodge, Elinor Nathalie Moth	Int			*	†	Champaign
Dodge, Ruth Clifton	LAS			*	†	Chicago
Doern, Edwin Arthur	Bus		32	*	†	Chicago
Doerr, Emil William	EE		36	*	†	Carmi
Dohm, Marie Elizabeth	HELAS		92	*	†	Girard
Doisy, Roberta Josephine	Mus irr (SS)		136½	*	†	Champaign
Dolan, Ernest Marion	LAS sp		32	*	†	Centraiva
Dolan, Maude May	LAS sp			*	†	Centralia
Dolch, Mrs. Marguerite P	Ed (SS)		63½	*	†	Urbana
Dolinsky, Maurice Saul	Eng			*	†	Chicago
Dolle, Frances Theresa	LAS		66	*	†	Chicago
Dollins, Charles Roland	Bus			*	†	Portland, Indiana
Dombourian, Nerses Abraham	CE		28½	*	†	Tarsus, Asia
Donahue, Ada Elizabeth	SS		132	*	†	Quincy
Donahue, Dona Bancroft	SS		2½	*	†	Odell
Donahue, Frances Eleanor	LAS		35	*	†	Bloomington
Donahue, Mary Ellen	HELAS		100	*	†	Bellefontaine, Ohio
Donahue, William Dale	LAS		96	*	†	South Bend, Indiana
Donich, Michael August	MedP			*	†	Bessemer, Michigan
Donlin, Logan Leon	RA		69½	*	†	Chicago
Donnan, Dallas Leo	Bus		74	*	†	Idaho, Florida
Donnelley, Shenstone	LAS			*	†	Chicago
Donovan, Eugene Jerry	LAS sp		4	*	†	Chippewa Falls, Wisconsin
Doolen, Jesse Lowe	Ath sp			*	†	Champaign
Doolen, Minnie Myrna	SS		6	*	†	Kinmundy
Doran, Ruth, A.B., 1921	SS		133½	*	†	Hammond
Dore, Clarence Raphael	LAS		81	*	†	Cicero
Dore, John Patrick	Bus		70	*	†	Hennepin
Dorsett, Willis Albert	Ath		30½	*	†	Cloverdale, Indiana
Dorsey, Asenath Helen	LAS		47	*	†	Sterling
Doty, Marshall Lloyd	IndA		28½	*	†	Wilmette
Douaire, George Edward	LAS			*	†	Chicago
Doubet, Earl Wesley	Ath		46	*	†	Peoria
Doud, Oscar Leo	Acy		94	*	†	Chatsworth
Dougherty, Floyd Clarence	Ath		77	*	†	Michigan City, Indiana
Dougherty, John Francis	Law		61	*	†	Chenoa
Dougherty, John G, Jr.	Agr			*	†	Jerseyville
Dougherty, John Joseph	SS			*	†	Urbana
Douglas, Robert John	LAS			*	†	Chicago
Douglass, Binette	Int		86	*	†	Chicago
Douglass, Bonnie June	Mus (SS)		84½	*	†	Urbana
Douglass, Charles Arthur	Agr			*	†	Chicago
Douglass, Paul Whittier	CE (SS)		72	*	†	Urbana
Douglass, Thomas Jay	Agr		90	*	†	Champaign
Douglass, Mrs. Thomas Jay	LAS			*	†	Champaign
Doupcoff, Riril George	Bus			*	†	Sofia, Bulgaria
Dowd, John Matheny	SS		136½	*	†	Fisher
Dowell, Dorothy	HELAS			*	†	Oak Park
Dowell, Edd Lincoln	Mus		2	*	†	Marion
Dowell, Otis Francis	Eng		71	*	†	Port Richmond, New York
Dowell, Ralph S	Bank		104½	*	†	Bloomington
Downing, Isabel Nessie, B.S., 1919	Lib		34	*	†	St. Charles, Minnesota

Downs, Hedwig Veronica	LAS	67	* † Chicago
Downs, William Benham	MedP		* † Batavia
Doyle, Lorenzo Mulley	Jnl		* † Greenfield
Doyle, Bernard Francis	MedP		* † Urbana
Doyle, Blanche Gleeson	HELAS	45	* † Champaign
Doyle, Charles Gregory	Accy		* † Spring Valley
Doyle, Irene May, A.B., 1919	Bus irr		* † Clinton
Doyle, Katherine Adele	Lib sp		* † Clinton
Doyle, Lela Ruth	SS	6	* † Urbana
Doyle, Marie	LAS	68	* † Champaign
Drake, Richard Carvel	ChE	63½	* † Chicago
Drake, Rolland Russell	LawP		* † Burlington, Iowa
Dralle, Claude Frederick	Bus	19	* † Hamilton
Dralle, Ruth Clara	LAS	120¼	* † Hamilton
Draper, Florence Gladys	Bus	98	* † Diernon
Draper, Francis Headin	Mus	50¼	* † Urbana
Drandt, Mrs. O E	SS		Huntington, New York
Drayer, Clarence Tilghman	IndA	36	* † Indianapolis, Indiana
Drees, Frank Joseph	Agr	68	* † Downers Grove
Dreesen, Edison Carl	Chem		* † Whiting, Indiana
Dreman, Henry Kenneth	Accy	69	* † Princeton
Drennan, Arthur Allyn	LawP		* † Springfield
Drennan, Benjamin Homer	Agr	60	* † Auburn
Dresen, William Downey	ME	34	* † River Forest
Dressel, Lucian	Agr	35	* † Jerseyville
Drevno, Hymen Daniel	Bus (SS)	90¾	* † Chicago
Drews, Hazel Agnes	HELAS	58	* † St. Louis, Missouri
Drexmit, Raymond William	IndA	34	* † Chicago
Drielsma, Jonas Arthur	Arch	69	* † Chicago
Driggs, William Milton	ME		* † Moline
Driver, William Arthur	Ath	30	* † Girard
Drom, Margaret Catherine	LAS	64	* † Antioch
Drone, Arthur Edward	IndEd	60	* † Ridgeway
Dry, Hazel Morine	HELAS	50	* † Husonville
Drysdale, Margaret Nelson	LAS	33	* † Chicago
Duane, Margarette Joan	Bus	31	* † Mattoon
Dubach, Merrill King	Bus	35	* † Kansas City, Missouri
Dubach, Merrill Leon	SS	6½	Sabetha, Kansas
Dubey, Jugal Kishore	Chem sp (SS)	17	* † Bhopal, India
Du Bois, Granville Chase	LAS	75	* † Eldorado
Du Bois, Louis Jury	ME	98¾	* † Eldorado
Duca, Paul Natal	AE	32	* † Chicago
DuChemin, Robert Harold	CE	135½	* † Maplewood, Missouri
Duckworth, Everett Hines	Agr	63	* † Martinsville, Indiana
Dudley, Helen Martha	Bus		* † Springfield
Dudley, Mary Eloise	LAS	51	* † Springfield
Duensing, William Dean	Bus	30	* † Toledo
Duerr, Leslie	LG	8	* † St. Charles
Duffie, Paul Michael, B.S., 1921	SS	130	Sterling
Duffin, Russell Maurice	Jnl	34	* † Danville
Du Frain, Viola Maude	LAS	38	* † Momence
Dunbar, James Lonalvin	SS	30	Altamont
Dunblazier, Mary Sybil	LAS (SS)	38	* † Fort Smith, Arkansas
Duncan, Herman Oscar	SHAdEd sp (SS)	111	* † Mt. Vernon
Duncan, James Francis	EE		* † Bloomington
Duncan, Neal	Agr	103½	* † Mt. Carroll
Duncan, Paul Bernard	Bus	67	* † Bloomington
Duncan, William Joseph	Accy	66	* † Bloomington
Dungan, John Homer	ME	133½	* † Brimfield
Dunham, Raymond Starr, B.S., 1914	SS	150½	Chicago
Dunkle, Florence Belle	HELAS (SS)	62¾	* † Urbana
Dunkle, Iva Jane	CCS (SS)	5	* † Urbana
Dunlap, Collett Noble	CE	67	* † Clinton, Indiana
Dunlap, Marcia	Lib sp	2	* † Urbana
Dunlop, Edmund Decker	Agr	78%	* † Mason City, Iowa
Dunlop, Willard Lincoln	FOM	61½	* † Pinehurst, North Carolina
Dunn, Carl Arthur	LAS		* † Michigantown, Indiana
Dunn, Perry Kelly	Accy		* † Jetmore, Kansas
Dunn, William Prescott	LawP	34	* † Peoria
Dunnagan, Francis Ahrens	ChE		* † St. Louis, Missouri
Dunning, Sanford Frank	EE	49½	* † Dundee
Dunsing, Dorothy Mae	LAS		* † Hammond, Indiana
Dunsmore, Fred Albert	SS	3¾	Munderf, Pennsylvania
Durant, Philip Samuel	Bus	74	* † Wheaton
Durham, Arthur Burnam	ME	103¾	* † Kenilworth
Durham, Mrs. Marjorie Armstrong	LAS	96¾	* † Urbana
Durham, Morris David	Law	5	* † Effingham
Durland, Edwin Newberry	LAS	31	* † River Forest
Durst, Stanley Millard	EE	107½	* † West Frankfort
Dusenberry, Paul Browneller	CE	119	* † Henry
Dutler, Henry Christian	Agr	72	* † Baden Baden
Dutton, Frank Orrin	EE		* † Downers Grove
Duus, Ray	AC sp		† Tracy, Minnesota
Du Vall, Amelia Ruth	SS	59	Urbana
Duvall, Ben	LawP	35	* † Aledo
Du Vall, Kenneth Keith	Bank	100	* Decatur

Du Vall, Kenneth Leslie	Bus		* † Urbana
Duval, Mabel Florence	LAS	22	* † Belleville
Duval, Vesta	LAS	28 $\frac{2}{3}$	* † Alton
Duvigneaud, Vincent Reginald	ChE	85	* † Chicago
Dux, Herbert Elmer	CE	118	* † Indianapolis, Indiana
Dvorak, Jaroslav William	IndA		* † Chicago
Dvorak, Raymond Francis	Bus	99	* † Algonquin
Dwyer, Gertrude Mary	SS	5 $\frac{1}{2}$	* † Stonington
Dye, George Russell	Bus	50 $\frac{2}{3}$	* † Wolcott, Indiana
Dye, Walter Church	ME	50	* † Danville
Dyer, Ethel Golden	Ed	95 $\frac{1}{2}$	* † White Hall
Dyer, George Griffith	ME	73	* † Joliet
Dynes, Kenneth Leonidas	ME	30	* † Indianapolis, Indiana
Dyson, Everett Mahlon	Bus	27 $\frac{3}{8}$	* † Urbana
Eadie, James	Bus	8	* † Chicago
Eads, Henry Chester	SS	115	* † Arthur
Eads, Jane Noble	Jnl		* † Quincy
Eagle, Isaac Orval	SS	49 $\frac{1}{3}$	* † Champaign
Eagleton, Thomas Emons	Voc vs p		* † Urbana
Eakin, Allen Chancellor	MedP		* † Rockford
Earl, Willis Charles	LG	35 $\frac{1}{2}$	* † Kansas City, Missouri
Eash, Cornelius E	SS	5 $\frac{2}{3}$	* † Topeka, Indiana
Easley, Edward Payne	Bus	28	* † Springfield
East, Laurence John	SS	43 $\frac{2}{3}$	* † Springfield
Eastman, Albert Reyner	AE	96 $\frac{2}{3}$	* † Rockford
Easton, Virginia Marie	LAS		* † Deerfield
Eaton, Colman	AE (SS)	106 $\frac{1}{3}$	* † Rockford
Eaton, Donald Mack	Law	76 $\frac{2}{3}$	* † Stockton
Eaton, J Mack	Ath		* † Newton
Eaton, Ralph Melvin	Law	52	* † Champaign
Eaton, William Glenn	CE		* † Newton
Ebbert, John Foreman	Bank		* † Oak Park
Ebbler, Edward W	SS	14	* † Brighton
Ebbler, Fred William	EE (SS)	67 $\frac{1}{3}$	* † Brighton
Eberhardt, Herman Luther	LAS	64 $\frac{1}{3}$	* † Dundas
Eberhardt, Marguerite	LAS		* † Chicago
Ebersold, Frederick Henry	Bus	32	* † River Forest
Ebert, George Charles	Chem (SS)	96 $\frac{1}{3}$	* † Quincy
Ebert, Jack	ME	114 $\frac{2}{3}$	* † Chicago
Ebner, Emil Emanuel, Jr.	EE	70	* † Achison, Kansas
Echenique, Sylvio da Cunha	Agr sp	7	* † Plovart, Brazil
Echols, Charles Randall	Bank	61	* † Loraine
Eckart, Carl Henry	SS	4 $\frac{3}{8}$	* † St. Louis, Missouri
Eckart, Harold Crocker	MinE	142 $\frac{1}{3}$	* † Bloomington
Eckles, Effie Aurette	HELAS	58	* † Camp Point
Eckstein, Henry Emil	Voc vs p (SS)	48	* † Doniphan, Missouri
Eddy, Leroy John	ME	37	* † Oak Park
Eddy, William Henry	MinE	28	* † Maywood
Edelen, John Price	C&L		* † Indianapolis, Indiana
Edelman, Sara Lillian	LAS	76	* † Chicago
Edelson, Pearl	LAS	81 $\frac{1}{2}$	* † Chicago
Eden, Royal Krebs	IndEd	42	* † Champaign
Edens, William McKinley	Bus	35	* † Chicago
Ederer, Eugene August	Bus	60	* † Chicago
Edgar, Lloyd M	SS	7	* † Morning Sun, Iowa
Edgar, Martha	LAS	33	* † Doylestown, Pennsylvania
Edie, Willis Ray	Agr	78	* † Monticello
Edler, Alfred Edward	C&L		* † Freeport
Edler, Berneice Marion	HELAS		* † Freeport
Edman, Ellen Marion	LAS		* † Monte Vista, Colorado
Edmiston, Erma Vashti	LAS		* † Chicago
Edmunds, Arthur Washburn	EE	37	* † Clinton
Edstrom, Alfred Elmer	Jnl		* † Chicago
Edwards, Amy Marguerite	LAS sp	8	* † Princeville
Edwards, Charles Lee	SS	6 $\frac{1}{2}$	* † Richview
Edwards, Elizabeth Erma	LAS		* † Centralia
Edwards, Elizabeth Jeannette	LAS	35	* † Chicago
Edwards, Ernest Milton	Agr sp	36	* † Harrisburg
Edwards, Estelle Emma	LAS (SS)	97 $\frac{2}{3}$	* † Centralia
Edwards, Helen Anne	LAS	64	* † Chicago
Edwards, Lucile W	LAS	6	* † Odin
Edwards, Margaret Corrine	LAS	28	* † Pinckneyville
Edwards, Marshall Henry	Law	29	* † Jerseyville
Edwards, Warren Hall	LAS		* † Oklahoma City, Oklahoma
Enigenburg, Harry	REE	29	* † Chicago
Egan, Bruce Chapman	LAS		* † Chicago
Egan, Mildred Alice	LAS	84 $\frac{1}{3}$	* † Quincy
Egan, Walter Killough	MinE		* † Chicago
Egbert, Russell J	SS	25	* † Oak Park
Eggeman, Charles Jacob	Bus	84	* † St. Louis, Missouri
Eggmann, Hortense Fredericka	LAS sp		* † East St. Louis
Ehlers, Earl Edward	AE	77	* † Mason City, Iowa
Ehrenreich, Louis Sigismund	LAS		* † Minoqua, Wisconsin
Ehrhart, Everett Harold	Accy	66	* † Decatur
Ehlicher, James George	LAS		* † Pekin
Eich, Elizabeth Edith	HELAS	35	* † Joliet

Eichelman, Burr Simmons	<i>Agr</i>	102½	* † Downers Grove
Eichler, Victor Nathan	<i>Bus</i>	29	* † Dixon
Eikenberry, Russell Clifford	<i>Bus</i>		* † Denver, Indiana
Einhorn, Benjamin	<i>ME</i>	120½	* † Chicago
Eipper, Lloyd Vincent	<i>AE</i>	18	* † Hillsdale
Eisberg, Jacob Louis	<i>CE</i>	69	* † Kansas City, Missouri
Ekblaw, George Elbert	<i>LAS</i>	94	* † Paxton
Eklund, Carl Ludwig	<i>Agr</i>	54	* † Sycamore
Elden, Clarence Arthur	<i>LAS</i>	144	* † Buffalo, New York
Elder, Albert Lawrence	<i>ChE</i>	48½	* † Urbana
Elder, Clarence Huber	<i>EE</i>		* † Urbana
Elder, Dorothy Louise	<i>HELAS (SS)</i>	113½	* † Kansas City, Missouri
Eldredge, Jewell Rose	<i>LAS</i>	39	* † Oak Park
Eldredge, Roy Elnathan	<i>Bus</i>	35	* † Chicago
Eldridge, Eileen Alice	<i>HELAS</i>		* † Monmouth
Eldridge, Ferne Edmonia	<i>HELAS</i>	72½	* † Monmouth
Eldridge, Lloyd Earl	<i>Bus (SS)</i>	24	* † Wilmette
Elgin, Irvin Lee	<i>SS</i>		* † Catlin
Ellett, Durwood X	<i>AE</i>	71½	* † Danville
Elliff, John Ewing	<i>Bus</i>	24	* † Pekin
Ellington, Elmo Watts	<i>Bus</i>		* † Wagoner, Oklahoma
Elliott, Estes Eugene	<i>CE</i>	77½	* † Kansas City, Missouri
Elliott, Thomas Dwight	<i>ME</i>	35	* † La Grange
Elliott, Walter Irving	<i>Bus</i>	31	* † Chicago
Ellis, Amelia Dryer	<i>LAS</i>		* † Urbana
Ellis, Harry David	<i>LAS</i>	59	* † Springfield
Ellis, Mary Jane	<i>SS</i>	73¼	* † White Hall
Ellis, Nina Elizabeth	<i>HEAgr</i>	18	* † Lovington
Ellman, Samuel Maurice	<i>REE</i>	101½	* † Chicago
Elrod, Donald Stearns	<i>LAS</i>	33	* † Kansas City, Missouri
Elvis, Richard Arthur	<i>Mus sp</i>		* † Medford, Wisconsin
Elwood, Daniel Henry	<i>EE (SS)</i>	77	* † Champaign
Elwyn, Foss	<i>SS</i>	9½	* † Champaign
Ely, Archie Harold	<i>Jnl</i>		* † Fidelity
Embrey, Francis Albert	<i>Agr</i>		* † Chicago
Emch, Arnold Frederick	<i>Mus</i>	16½	* † Urbana
Emerick, Lucille	<i>SS</i>		* † Summer
Emersen, Edith Anne	<i>SS</i>	16	* † Stonington
Emrich, William Wayne	<i>SHAEd</i>	72	* † Casey
Emrick, John Jacob	<i>Bus</i>	93½	* † Aledo
Ems, Clarence Everet	<i>SS</i>	134	* † Ogden
Endres, Albert Adam	<i>Agr</i>	57	* † Canton
Endres, Arthur Fred	<i>LAS</i>	74	* † Canton
Eng, Bock J	<i>ME (SS)</i>	5	* † San Francisco, California
Engberg, Burton Anchor	<i>REE</i>		* † Chicago
Engberg, Felix John	<i>Bus</i>	66	* † Chicago
Engel, Mabel Ida	<i>Bus</i>	35	* † Stewardson
Engelbrecht, Herman Samuel	<i>Bus</i>	97½	* † Libertyville
Engelbrecht, Howard Frederick	<i>Bus (SS)</i>	63	* † Elgin
Engelhard, Eugene Field	<i>Bus</i>		* † Chicago
Engelhardt, Christian Ferd	<i>MedP</i>	25	* † Champaign
Engelhardt, Henry Adolph	<i>Bus (SS)</i>	106	* † Elkhart, Indiana
Engelhardt, Lila Harriet	<i>LAS</i>		* † Harvard
Engelhart, Max Disette	<i>ChE</i>	68	* † Glencoe
Englar, Eugene Field	<i>Bus</i>	33	* † Chicago
Engle, Lawrence Washington	<i>SS</i>	143½	* † Chicago
English, Elmer David	<i>Law</i>	16	* † St. Louis, Missouri
English, Robert William	<i>CE</i>		* † Denver, Colorado
English, Thomas Farris	<i>Bank</i>	76	* † East St. Louis
Englund, Grace Elvere Ruby	<i>LAS</i>	61½	* † Kansas City, Missouri
Enke, Irwin George	<i>SS</i>	6½	* † Emerson, Nebraska
Ennis, Burrill	<i>ChE</i>		* † Kansas City, Missouri
Enright, Edward Milton	<i>CE</i>	80	* † Chicago
Enyart, William Ralph	<i>ME</i>	76	* † Chicago
Epler, Elbert Painter	<i>EE</i>		* † Connersville, Indiana
Eppel, Clayton Benjamin	<i>Ath</i>	55	* † Mt. Vernon
Epperson, Orlan Hassett	<i>Ed (SS)</i>	70	* † Woodstock
Epps, Thad Chandler	<i>AE</i>	95	* † Delafield
Erb, Donald Milton	<i>Bus</i>	96	* † Red Oak, Iowa
Erickson, Emery Theodore	<i>ChE</i>	26	* † Brooklyn, New York
Erickson, Erick	<i>ME</i>	35	* † Chicago
Erickson, Erick Gustaf	<i>ME</i>	113½	* † Chicago
Erickson, Iver	<i>CE</i>	35	* † Maline
Erickson, Ralph Edward	<i>CE</i>	107	* † Kansas City, Missouri
Erickson, Willard Norman LeRoy	<i>Bus</i>	32	* † Chicago
Ericson, Rudolph Conrad	<i>EE</i>		* † De Kalb
Ericsson, Dewey Arthur	<i>AE</i>	108½	* † Orion
Erkel, Jesse Bryan	<i>LAS</i>		* † Chicago
Erkel, Ruth Anna	<i>Mus</i>		* † Canton
Erlandson, Hazel Ann	<i>Jnl</i>	30	* † Canton
Ernest, Bessie	<i>HELAS</i>		* † Miller, Indiana
Ernest, Nellie Edith	<i>LAS (SS)</i>	120½	* † Urbana
Ernest, Winifred	<i>LAS</i>		* † Urbana
Errant, Florence Morey	<i>HELAS (SS)</i>	88½	* † Urbana
Errant, James Whitcomb	<i>Agr sp</i>	65	* † Urbana
Erwin, Edgar Hawthorne	<i>Arch sp</i>		* † Fallon

Erwin, Lewis Dewey	<i>Ath</i>	50%	* †	Macomb
Erzinger, Helen Louise	<i>LAS</i>	33	* †	Kankakee
Escher, Gertrude Ida	<i>LAS</i>		* †	Chicago
Eslinger, Lydia Eleanor	<i>LAS</i>	63	* †	Farmington
Esmond, Dale Brown	<i>Agr (SS)</i>	65	* †	Ottawa
Esser, Wilbur David	<i>Bus</i>		* †	Aurora
Esslinger, Paul Henry	<i>MedP</i>	90%	* †	Rushville
Essmuller, Arthur Frederick	<i>IndA</i>	35	* †	St. Louis, Missouri
Etnoyer, Mary Margaret	<i>LAS</i>		* †	Cerro Gordo
Etnyre, Leon Vernon	<i>Ath</i>	34	* †	Elgin
EtsHokin, Barney Israel	<i>LAS</i>		* †	Kewanee
EtsHokin, Cobert	<i>LawP (SS)</i>	57½	* †	Chicago
Ettlinger, Roger Daniel	<i>Bus</i>		* †	Chicago
Euyang, Hsu Chu	<i>Bus</i>	32	* †	Shanghai, China
Evans, C W	<i>SS</i>	6½	* †	Blue Mound
Evans, Esther Edgeworth	<i>LAS</i>	117½	* †	Emporia, Kansas
Evans, Harry Thomas, Jr.	<i>MinE</i>		* †	Berwyn
Evans, Helen	<i>HELAS</i>	65	* †	Chicago
Evans, Henry Bowman	<i>Bus</i>	67½	* †	Roscoe, Indiana
Evans, Henry Herbert	<i>Bus</i>	90½	* †	Aurora
Evans, John Harwood	<i>Agr</i>	65	* †	Bloomington
Evans, John Watkin	<i>AE</i>		* †	Bloomington
Evans, Marguerite	<i>SS</i>	5	*	Peoria
Evans, Maurice Brice	<i>CE</i>		*	Urbana
Evans, Philip Gardener	<i>Agr</i>	83	* †	Davenport, Iowa
Evans, William Harold	<i>Jnl</i>	113	* †	South Bend, Indiana
Everett, Elmer Edward	<i>IndA</i>		* †	Ardmore, Oklahoma
Everitt, Ronald Edward	<i>MSE</i>		* †	Mason City
Eversole, Harold Baker	<i>Bus</i>	58½	* †	Hindsboro
Eversole, Lenore Lee	<i>LAS</i>	102½	* †	Champaign
Eversole, Leverett Wendell	<i>EE</i>		* †	Westerfelt
Eversole, Mildred Elizabeth	<i>LAS (SS)</i>	34	* †	Champaign
Ewald, Ralph Waldo	<i>Foc esp (SS)</i>	8½	* †	Mt. Carmel
Ewend, Walter Hamilton	<i>ME</i>		* †	Peru
Ewert, Earl Ernest	<i>MedP</i>	30	* †	Chicago
Ewing, Dean McLeod	<i>SHAEd (SS)</i>	105½	* †	Baldwin
Ewing, James Whitney	<i>EE</i>	36	* †	Neoga
Ewing, Mansford Ross	<i>Ath</i>	8	* †	Plano
Eycleshymer, Albert David	<i>MedP</i>		* †	Chicago
Eycleshymer, Dorothy Adele	<i>Bus</i>	97½	* †	Niles, Michigan
Eycleshymer, Ethel Mary	<i>ME</i>	65½	* †	Chicago
Fabian, Augustin Carralde	<i>LAS</i>		* †	Manila, Philippine Islands
Fadgen, Thomas Joseph	<i>CheE sp</i>	33	* †	Clinton, Massachusetts
Fagan, Arthur	<i>Acy (SS)</i>	65	* †	St. Charles
Fagan, Paul	<i>Bus</i>		* †	St. Charles
Fagerburg, Rudolph Edward	<i>MinE</i>	85½	* †	Faxton
Fahnestock, Maurice Kendall	<i>ME</i>	41½	* †	Edwardsville
Fahrnkopf, Charles Frank	<i>SS</i>	33½	* †	Decatur
Fair, Florence Leone	<i>LAS</i>	101½	* †	Chrisman
Fairbanks, Laurence Bowie, B.S., 1921	<i>SS</i>	131	* †	Varna
Fairfield, Mildred Knox	<i>LAS (SS)</i>	35	* †	Chicago
Fairweather, Stanley Andrew James	<i>Jnl</i>		* †	Cicero
Falberg, Mabel Louise	<i>SS</i>	5	* †	East Moline
Fales, Clyde Byron	<i>Ath</i>		* †	Waterloo, Indiana
Faletti, Anthony Joseph	<i>MedP</i>		* †	Spring Valley
Falkenberg, George Viggo	<i>Agr</i>	118	* †	Chicago
Falkenberg, Petra Eleanor	<i>LAS sp</i>	20	* †	Chicago
Falkin, Bernice Werly	<i>LAS</i>	67	* †	San Jose
Fallon, Patrick John	<i>Bus</i>	30	* †	Urbana
Fanning, Charles Lewis	<i>Foc esp</i>		* †	Hamburg
Fargo, Roy Newton, B.S., 1909	<i>SS</i>	161	* †	Fucaiapa, California
Fartna, Charles	<i>Arch</i>		* †	Chicago
Farley, Edgar	<i>SS</i>	30%	*	Pawnee
Farley, John Urban	<i>ME</i>		*	Chicago
Farley, Winfield DeWitt	<i>MedP</i>		*	Alton
Farram, Florence Ferguson	<i>LAS</i>		*	Pawnee
Farrand, Ellridge Ketchel	<i>Bus</i>	107	* †	Griggsville
Farrrell, Charles Boeyer	<i>Eng</i>	35	* †	Chicago
Farrrell, William James, Jr.	<i>Chem</i>	128	* †	Chicago
Farrow, Tera	<i>LAS</i>	63	* †	Kansas City, Missouri
Farwell, Carnie Angelia	<i>SS</i>	7½	*	Augusta
Fash, Robert Arthur	<i>Arch</i>	28	*	Springfield
Faude, Corvin William	<i>Bus</i>		*	Chicago
Faulk, Luther McCauley	<i>Agr</i>		*	Brownsville, Texas
Faunce, John Clement	<i>Jnl (SS)</i>	28½	* †	Casey
Faust, Carl Frederick	<i>Law</i>		* †	Joliet
Fawcett, Orville Emmett	<i>EE</i>	73	* †	Champaign
Faxon, Zelia Carol	<i>LAS</i>		* †	Sandwich
Fay, John Lawrence	<i>EE</i>		* †	Aurora
Fearer, Ruth Naomi	<i>Bus</i>	28	*	Oregon
Fearns, Kenneth Flexner	<i>Jnl</i>	32	*	Oak Park
Fechtmann, Hugh William	<i>Bus</i>	32	* †	Indianapolis, Indiana
Fee, Lawrence George	<i>SS</i>	53½	* †	Champaign
Feek, John Lester	<i>LAS</i>	61½	* †	Gibson City
Feffer, Ralph Berry	<i>Bus</i>		* †	Springfield
Fehrenkamp, Winnfred	<i>LAS irr</i>			Milwaukee, Wisconsin

Feickert, Arthur Juban	EE	67	* † Belleville
Felbeck, Mrs. Helen Kniseley	HELAS	38	* † Champaign
Felkins, Frank	SS	1/3	* † Hall, Indiana
Fellenstein, Urban	Acy	35	* † Waterloo
Fellows, Manley Fording	MedP	62	* † Belvidere
Fellows, Roger Lee, Jr.	GerE	30	* † La Grange
Fels, Clarence George	CE		* † Pine Bluff, Arkansas
Felsenthal, Sonnel Joseph	Bus	76	* † El Dorado, Arkansas
Felt, Arthur Webster	ChE	34 1/2	* † Kansas City, Missouri
Felton, Lurton Eugene	Acy	71	* † Mendota
Felts, David Virgil	LAS	70	* † Marion
Fencken, Lee Orion	Acy	110 1/2	* † Buckley
Fender, Owen Dewey	LawP (SS)	61	* † Westfield
Fendley, Maurine Elizabeth	LAS	6 1/2	* † Danville
Fenelon, Eunice Sarah	LG	160	* † Wyanoga, Wisconsin
Fenn, George Prentice	ME	90 1/2	* † Berwyn
Fennie, Ever Jerry	AE	20 1/2	* † Savanna
Ferguson, Charles William	ChE		* † Chicago
Ferguson, Edna Fayette	LAS		* † Windsor
Ferguson, Esther Hannah	Mus	26	* † Dixon
Ferguson, Fred Grant	MedP	48 1/2	* † Etna
Ferguson, Harry Clelland	Ath		* † Bend
Ferguson, Leila Gretta	Bus (SS)	40 1/2	* † Dixon
Ferguson, Perry Nichols	MinE (SS)	80	* † De Kalb
Ferguson, Robert Hugh	LAS (SS)	61	* † Champaign
Feriter, Josephine Lucille	LAS sp		* † Graymont
Fern, Lucile Charlotte	LAS	20	* † Chicago
Ferris, Lillah	HEAgr		* † Sinsinawa, Wisconsin
Ferris, Whitney	Bus		* † Kankakee
Fessant, Beulah Wuanita	LAS	40	* † Sandford, Indiana
Fessenden, Douglas Albert	Ath	33	* † Onawa, Iowa
Fessler, Allera Henry	SS	76	* † Elkland, Pennsylvania
Feuer, Milton, Abraham	Ins	105 1/2	* † Chicago
Fey, Stanley Edgar	ME		* † Thomasboro
Fieder, Mary Isabelle	LAS		* † Chicago
Field, Dayton	Agr	70	* † Chicago
Field, Harford	AE	63	* † Chicago
Field, Marion Russell	Mus	33	* † Urbana
Fielder, Virgil Byron	Agr		* † Fisher
Fields, David Wesley	LAS	00	* † Champaign
Fieseler, George	SS	6 1/2	* † Iowa City, Iowa
Fife, Harold Ambrose	Bank	65 1/2	* † Palestine
Fife, Helen Kathryn	LAS		* † Palestine
Figel, Andrew	IndA	26	* † Gary, Indiana
Fillingham, Enid	SS	107	* † Vincennes, Indiana
Filut, Frank Felix	Acy (SS)	06	* † Milwaukee, Wisconsin
Findlay, Grace Cecile	Jnl	7	* † Kokomo, Indiana
Finkelstein, Isadore	Chem	108 1/2	* † Chicago
Finley, Anaclete	SS		* † Springfield
Finley, Floyd McKelvey	Agr	60	* † Sparta
Finn, George Andrew	CE	60	* † Chicago
Finnell, John Harold	IndA		* † Aurora
Fiock, Ernest Franklin	ChE (SS)	82 1/2	* † Urbana
Firebaugh, Raymond Sims, B.S., 1921	SS	130 1/2	* † Robinson
Firth, Charles Henry	ME (SS)	15 1/2	* † Green Valley
Fischer, Alice Elizabeth	Bus		* † Chicago
Fischer, John Richard	ChE		* † River Forest
Fischer, Raymond Plummer	Bus	13	* † St. Charles
Fish, Ferol Fredric	Jnl	8	* † Louisville, Kentucky
Fishel, John Virgil	LAS sp		* † Cisme
Fisher, Arthur Glendon	ME	4 3/8	* † Chicago
Fisher, Charles Kendall	Bus	37	* † Park Ridge
Fisher, Delzon Long	Ath	7	* † Clarence, New York
Fisher, Dorothy Moss	LAS	11	* † St. Louis, Missouri
Fisher, La Verne	MinE	17	* † Woodstock
Fisher, Richard Ellis	Jnl	31 1/2	* † Chicago
Fisher, Richard Stoner	Chem	106	* † Champaign
Fisher, Russell William	ChE	70	* † Peoria
Fisher, William Albert, Jr.	Agr	2 3/8	* † Shipman
Fishman, Louis Zolo	Med P		* † Chicago
Fishman, Maurice Carlton	Bus	60 3/8	* † Springfield
Fiske, Herbert Dick	Acy sp (SS)	26	* † Omaha, Nebraska
Fisler, Russell Harry Cornwell	Ath		* † Clayton, New Jersey
Fitch, Erma Mae	SS	45 1/2	* † Greenup
Fitch, Horatio May	CE	82	* † Chicago
Fitch, Hugh	ME	120	* † Greenup
Fitch, Morgan Lewis	Jnl (SS)	113 1/2	* † Peabler, Ohio
Fittge, Erwin Harry	Chem	48	* † St. Louis, Missouri
Fitzgerald, Alexander Edward	GerE		* † Oglesby
Fitzgerald, Eugene Martin	SS	36	* † Clarks Hill, Indiana
Fitzgerald, Marshall Edgar	Ath		* † Fatbary
Fitzgerald, Nellie	LAS	34	* † Maple Park
Fitz-Gerald, Nesta	LAS		* † Urbana
Fitzgerald, Thomas	REE	65 1/2	* † Trenton, Missouri
Fitzhugh, William Cullen	MedP		* † Colorado Springs, Colorado
Fitzpatrick, James Courtney	Bus		* † Chicago

Fitzpatrick, Hartley Harve	EE		* † Rock Island
Fitzpatrick, Russell Stoner	Agr		* † Palestine
Fitzsimmons, Anna Marie	SS		‡ Urbana
Flack, Russell Allen	SS	72½	* † Boswell, Indiana
Flagg, Frank	Bus	36	* † Williamsville
Flagg, Katherine Hehner	HEAgr	32	* † Moro
Flaherty, Jerome Kendall	Bus	94½	* † Hubbard Woods
Flanders, Nathan Cloak	CE		* † Rochelle
Flanders, Seth Webster	CE	51	* † Aurora
Flatt, Harrison Obiah, A.B., 1912	SS	130½	* † Carrollton
Fleming, Geneva	Arch	87	* † Champaign
Fleming, Leland Addis	IndA	100	* † Peoria
Fleming, Merritt Thomas	Bus		* † Wilmette
Fleming, Mildred Dorothy	LAS	100½	* † Sullivan
Fleming, Richard Hill	Bus	30	* † Chicago
Fleming, Russell Clark	MinE	64	* † Moores Hill, Indiana
Flesher, Clare Edward	Law	15	* † Taylorville
Fletcher, Charles Loren	EE		* † Urbana
Fletcher, Charlotte Hinchliff	Bus		* † La Grange
Fletcher, Mildred	LAS	90	* † Georgetown
Fletcher, Paul LeRoy	Bus	30	* † Lebanon, Indiana
Fletcher, Ralph Emerson, B.S., 1921	SS	130½	* † Morris
Fletcher, Robert Borden	Bus		* † La Grange
Flickinger, Milo Potter	CE	127	* † Wichita, Kansas
Flint, Gordon Monroe	Agr	67	* † Belleflower
Flint, Theodore	Bus	8	* † Joliet
Flitcraft, Harold Wilson	Bus	32	* † Oak Park
Flodin, Arnold Emanuel	Bank		* † Chicago
Flom, Elizabeth Edder	LAS	31	* † Urbana
Flom, George Reginald	CE	62	* † Urbana
Floro, Martiniano	ME (SS)	114	* † Manila, Philippine Islands
Flostrom, Victor August	ForC	103	* † Morrison
Floto, Ella Christine	SS	3½	* † De Smet, South Dakota
Flournoy, William Farrar	Bus	60	* † Independence, Missouri
Flowers, Violet Vinetta	Mus (SS)	93	* † Champaign
Flude, John William	ME sp		* † Chicago
Flynn, Gratia H	LAS sp		† Carthage
Flynn, James Harding	Bus	24	* † Quincy
Fogelson, Rose June	Bus	117½	* † Chicago
Foiles, Loren Stanley	Agr		* † Hamburg
Foley, Edith Frances	HEAgr		* † Tennessee
Foley, Edward Carl	SS	109½	* † Kalamazoo, Michigan
Foley, Margaret Ebert	Mus sp		* † Mapleton
Foley, Paul James	Bus	26	* † Freeport
Folkers, Clarence Emil	LAS	38	* † Maywood
Follett, Dwight Walcott	LAS		* † Mt. Vernon
Foran, Arthur Frederick	Accy	68½	* † Joliet
Foran, James Ralph	Bus	9	* † Hubbard Woods
Forberg, Carl Nelson	Bus		* † Carterville
Ford, Floyd Bryan	LAS		* † Meeker, Colorado
Ford, John Lewis	AE sp (SS)	5	* † Chicago
Ford, Kenneth Arthur	Agr (SS)	113	* † Greenfield
Ford, Lee Harold	Agr	67½	† Amarillo, Texas
Ford, Rena Dorothy	LAS		* † Western Springs
Ford, William Kenneth	SS	74½	* † Carterville
Ford, Zella Zon	LAS	60	* † Kansas City, Missouri
Fordyce, Allmon Grant	Arch	91½	* † Blancheater, Ohio
Fordyce, Clyde Harrell	SS	6½	* † Oak Park
Foreman, Charlotte Miriam	LAS		* † Quincy
Foreman, James Gentry, Jr.	Bus		* † Chicago
Foreman, James Ramsdell	CE		* † Lafayette, Indiana
Foresman, Ralph	Law		* † Urbana
Forker, Frances Adeline	HELAS	101½	* † Pana
Fornoff, Charles Wright	LawP (SS)	127½	* † Chicago
Forrester, Florence Catherine	LAS		* † Rockford
Forsaith, Franklyn Blake	Agr	51	* † Chicago
Forslew, Ella	LAS	64	* † Chicago
Forslew, Johannes Herman	EE	71	* † Chicago
Forsythe, Stanley Davis	EE	76	* † Chicago
Fortier, Leo Reynold	LAS	67½	† Tulsa, Oklahoma
Forte, Stella Josephine	Mus	27½	* † Chicago
Fortney, Bonnie Pearl	SS	130	* † Casey
Fortney, Harry Dewey	Ath	2½	* † Muncie, Indiana
Forward, La Fayette Laurence	IndA	37	* † Rochester, New York
Forskule, Lena Louise	LAS	45½	* † Bloomington
Foss, LeRoy Merrill	SS	135	* † Freeport
Fosse, Agatha Ruth	Jnl	35	* † Chicago
Foster, Alfhild	SHHEAgr	96	* † Chicago
Foster, Charles Vernon	LAS	27½	* † Mt. Carroll
Foster, Mrs. Clara L.	SS		* † New Philadelphia, Ohio
Foster, Clara Louise	Bus	18	* † Chicago
Foster, Mrs. Claudia Woolard	SS	12½	* † Urbana
Foster, Edward Mern	Accy	40	† Danville
Foster, Elliott Eugene	LAS	95	* † Chicago
Foster, George Frank	LAS	31	* † Donovan
Foster, Grace Marion	LAS	98	* † Champaign

Foster, Harold James	ME		* † Menominee, Michigan
Foster, James Edward	Jnl (SS)	71½	* † Chicago
Foster, John Alan	Bus (SS)	62½	* † Attica, Indiana
Foster, John McCullough	Bus	62	* † Kansas City, Missouri
Foster, John Paul	Bus		* † Zeigler
Foster, Laurence Hafner	Bus	60	* † Oak Park
Foster, Louis Omar	Bus	73	* † Vermont
Foster, Sydney Percy	ChE	119¾	* † Milwaukee, Wisconsin
Fostir, Ulric Clarence	EE	138	* † Apple River
Foster, William Phineas, Jr.	Bus		* † Burlington, Iowa
Fouts, Robert Leo	Bus	27	* † Peru, Indiana
Fowler, August Lincoln	Law	29	* † Marion
Fowler, Charles Andrew	Ath		* † Fairmount, Indiana
Fowler, Chrystal Fern	HELAS		* † Metropolis
Fowler, Edna Lucile	SS	8	* † Irving
Fowler, John Lewis	Bus		* † La Grange
Fowler, Marion Roberta	Jnl	36	* † Harrisburg
Fowler, Raymond Justin	EE		* † Fairmount, Minnesota
Fowler, Richard Randolph	Ind A	01½	* † Wilmette
Fox, Arthur Lawrence	Chem (SS)	105	* † Glencoe
Fox, Gus	CE sp	12	* † Chicago
Fox, Helen Evelyn	LAS	9	* † Shelbyville, Indiana
Fox, Henry King	Bus	32	* † Davenport, Iowa
Fox, Herman	ME		* † Chicago
Fox, Herschell	Agr	86½	* † Chicago
Fox, John Perry	ME	47½	* † Chicago
Fox, Mildred Louese	Arch	26	* † Wilmette
Fox, Morris	Bus		* † Chicago
Foyt, William LeVerne	ChE (SS)	67¾	* † Galena
Frakes, John Dean	Ath		* † Champaign
Framburg, Stanley Alfred	Bus		* † Berwyn
Frame, Earl Russel	Bus		* † Hillsboro
Frame, Herbert Wayne	SS	25¾	* † Hillsboro
Francis, Chester A	Ath sp	65	* † Freeport
Francis, Horace Jay	Bank (SS)	61½	* † Ft. Wayne, Indiana
Francis, John Edward	FOM	32	* † New Lenox
Frank, Glen Harry	CE		* † Peoria
Frank, Raymond William	Bus		* † Freeport
Frankenfeld, Justus Carl	Agr	25	* † St. Charles, Missouri
Frankenfeld, Ralph Louis	Agr		* † St. Charles, Missouri
Frankenstien, Ruth	LAS		* † Chicago
Franklin, Burns Maurice	Ath	54	* † Urbana
Franklin, Earl Carlis	Ath (SS)	60	* † Urbana
Franklin, Mary Barber	HELAS		* † Bondville
Franklin, Ruth Barber	LAS	26	* † Spring Valley
Franklin, William Riley	C & L sp		* † Rockford
Franks, Meyer Edward	Bus		* † Springfield
Frantz, Helen Louise	HELAS	06½	* † Lafayette, Indiana
Franzen, Frank Clarence	Ind A sp (SS)	39	* † Rockford
Fraser, Thomas	LAS irr		* † White Hall
Fraser, Willard Elwyn	Arch		* † Davis Junction
Frawley, Mrs. Mae V	Lib sp		* † McLean
Frazeo, Lois Elizabeth	HELAS		* † Moweaqua
Frazier, Elizabeth	SS		* † Catlin
Frazier, James B, Jr., B.S. 1914	SS		* † Paris
Freark, Clarence Hobart	Acry	80	* † Champaign
Freark, Manila Bay	Bus sp (SS)	23	* † Champaign
Freas, Ida Marie	LAS		* † Milledgeville
Frederick, Joy Thompson	Agr	35	* † Walnut
Frederick, Russell Adair	ChE		* † Springfield
Frederickson, Harry Gray	Bus		* † Oklahoma City, Oklahoma
Frederickson, John Brownlee	LAS		* † Oklahoma City, Oklahoma
Fredricks, Charles Raymond	Bus	00½	* † Hinsdale
Fredricks, Leland Oswald	ForC (SS)	26	* † Joliet
Fredriksen, Henrik Axel	Bus	7½	* † Rockford
Freeberg, Oscar Willard	Bus	24½	* † Rockford
Freed, Edward Everett	LAS (SS)	48	* † Monticello, Minnesota
Freed, Paul Herbert	MedP		* † Rockville, Indiana
Freeman, Constance Hermine	LAS		* † Moline
Freeman, Harry Duke	LG	70	* † Evanston
Freeman, Helen Busey	LAS	116	* † Luka, Kentucky
Freeman, Isabelle Allen	LAS	32	* † Urbana
Freeman, Marion Eleanor	LAS		* † Fort Wayne, Indiana
Freese, Bernice Leone	Bus	62	* † Peoria
Freilberg, Frederick Arthur	AE		* † Ogden
Freidinger, Grace Pearl	SS	9	* † Chicago
Freitag, Thusenelda Clara	LAS	93	* † Springfield
French, Mildred	LAS	29	* † Chicago
Freyman, Abraham	Law		* † Riverside, California
Freytog, Theodore Julian William	MedP		* † Clarksdale, Mississippi
Frick, Alice Agnes	SS	5	* † Galena
Frick, E Herbert	Agr (SS)	8	* † Warrenton, Missouri
Frick, Raymond Lawrence	ME (SS)	25	* † Urbana
Friedman, Albert Harold	Bus	62	* † Urbana
Friedman, Bernard Robert	Bus		* † St. Louis, Missouri
Friedman, Harold Samuel	Bus		* † East Chicago, Indiana
			* † Benton Harbor, Michigan

Friedman, Max Marks	<i>Bus</i>	*	†	East Chicago, Indiana
Friedman, Olin Edmunds	<i>LAS</i>	*	†	Herscher
Friedman, Paul Sidney	<i>CL</i>	50	½	* Chicago
Friend, Gertrude Elizabeth	<i>HELAS</i>	67		* Chicago
Frier, Florence Naoma	<i>HEAgr</i>			* Benton
Frier, Pearl Elizabeth	<i>HELAS</i>	99	½	* Benton
Frierson, Mary Elizabeth	<i>SS</i>			* Columbia, Tennessee
Friskey, Arthur Wilbur, Jr.	<i>Bus sp</i>	32	½	* Moline
Fristoe, Carmene Mildred	<i>LAS</i>	35		* Pontiac
Frith, Marjorie F	<i>HEAgr (SS)</i>	90	½	* Kankakee
Fritschle, Alice Elizabeth	<i>LAS</i>			* Olney
Fritter, Enoch Marion	<i>SS</i>	7	½	* Urbana
Fritter, Helen Fear	<i>SS</i>	½		* Assumption
Fritts, Mrs. Ava Washburn	<i>HEAgr</i>	125		* Caneyville, Kentucky
Fritts, Donald Medford	<i>CE</i>			* St. Joseph
Fritts, James Edwin	<i>Chem</i>	98	¾	* Cowden
Fritz, Edward Albert	<i>REE</i>	8		* Morion
Frohardt, Elmer Philip, B.S. 1920	<i>SS</i>	130	½	* Granite City
Froom, Adele Janet	<i>LAS</i>			* La Grange
Frost, Oscar	<i>CE</i>	130		* Huron, South Dakota
Fruin, Mary Ellen	<i>SS</i>	9		* Kankakee
Frutiger, Gustav Theodore	<i>Bus</i>	32		* Olney
Fry, Florence Wilma	<i>LAS</i>	33		* Chicago
Fry, Grace Bernadine	<i>HELAS (SS)</i>	112	½	* Champaign
Frye, Howard Pascal	<i>Agr</i>	61		* Capron
Frye, Margaret Elizabeth	<i>LAS</i>	67		* Elkhart
Fuchs, Henry King	<i>Bus</i>	32		* Davenport, Iowa
Fudge, Joseph Franklin	<i>Agr</i>			* Pittsfield
Fuentes, Vicente Sanagustin	<i>ME (SS)</i>	70		* Escalante, Philippine Islands
Fuhr, Clara, B.S. 1921	<i>SS</i>	132	½	* Warrensburg, Missouri
Fuhr, Katherine Henrietta	<i>SHHEEd</i>	70		* Macomb
Fuller, Constance Hilliard	<i>LAS</i>	27		* Tuscola
Fuller, James Donald	<i>CE</i>	59		* Rockford
Fuller, Juanita Willa	<i>LAS</i>	30		* Chicago
Fuller, Justin Hubert	<i>CL</i>	5		* Princeton, Missouri
Fuller, Lorene Jeania	<i>LAS</i>	47	½	* Princeton, Missouri
Fuller, Blanche Louise	<i>HELAS</i>			* Belvidere
Fullerton, Greer Gilbert	<i>Bus</i>	64		* Bone Gap
Fullmer, Claren Emmitt	<i>Agr</i>	60		* Urbana
Fulton, George Leonard	<i>Bus</i>	60	¾	* Hartford City, Indiana
Fulton, James Peter Augustus	<i>Bus</i>			* Hartford City, Indiana
Fulton, Paul Cedric	<i>Bus</i>	62		* Dixon
Fulton, Zelda Helene	<i>LAS</i>	04	½	* La Grange
Fultz, Lileth Cleo	<i>Bus</i>	43		* Fairbury
Fung, Wai Sun	<i>Bank</i>	32	¾	* Manila, Philippine Islands
Funk, Carl Raymond	<i>MinE (SS)</i>	84	½	* Flat Rock
Funk, Eleanor Olive	<i>LAS</i>			* Finley Park
Funk, Eugene Duncan, Jr.	<i>Agr</i>	76	¾	* Shirley
Funk, Harold L	<i>EE (SS)</i>	64		* Urbana
Funk, John Christian	<i>Bus</i>	71		* Danville
Funk, Marguerite Marie	<i>SS</i>	102		* Danville
Funk, Mary Adell	<i>HEAgr (SS)</i>	58		* Urbana
Funk, Stanley Louis	<i>LAS</i>	43	½	* Manchester
Fuqua, Clarence N	<i>EE</i>	86	½	* Bethany
Gabrielson, Francis Alva Gilbert	<i>FOM</i>	68	½	* Galesburg
Gaddis, Haley Caldwell	<i>Bus</i>			* Tamaroa
Gadient, Chris Heuck	<i>ME</i>			* Rock Island
Gage, Fred Leonard	<i>ME</i>	50		* Wilmette
Gaines, Dorothy Lucinda	<i>HELAS</i>			* Indianapolis, Indiana
Gaissler, Caio Graccho de Souza	<i>EE</i>	33		* Curitiba, Brazil
Galbraith, Robert	<i>CerE</i>	76		* Pine Bluff, Arkansas
Galbreath, Robert Adam	<i>IndA</i>	86	½	* Pana
Gale, Edwin Oscar	<i>LAS</i>	67	½	* Oak Park
Gallagher, Dan Angelo	<i>Accy</i>	71		* Clinton
Gallant, Otis Melvin	<i>Bus</i>			* St. Louis, Missouri
Gallion, Agnes Mae	<i>HELAS (SS)</i>	116	¾	* Champaign
Gallion, Arthur Banta	<i>Arch</i>	35		* Urbana
Gallivan, Gerald Joseph	<i>Accy</i>	31	½	* Urbana
Gallivan, Timothy Joseph	<i>Accy</i>			* Urbana
Galloway, Mary Elizabeth	<i>LAS</i>			* Little Rock, Arkansas
Galster, Alma Lydia, B.A. 1921	<i>SS</i>	131		* Tower Hill
Galt, Robert Harvey	<i>Chem</i>	39		* Winter Park, Florida
Gam, Rulo Edward	<i>LAS</i>	21		* Plymouth, Indiana
Gamage, Harry G	<i>Ath</i>	40	½	* Macomb
Gamblie, James Cyril	<i>Ath</i>	31		* Champaign
Gammage, Frederick John	<i>Flor</i>	80		* London, Canada
Gansberger, Richard Henry	<i>Bus (SS)</i>	101	¾	* Chicago
Garb, William M	<i>Bus</i>			* Benton Harbor, Michigan
Garber, Irene Louise	<i>Bus</i>			* Chicago
Gard, Edmund Sehon	<i>Agr</i>	38	½	* Urbana
Gard, Mary	<i>HELAS</i>	50		* Urbana
Gard, William Lloyd	<i>SS</i>	130		* Urbana
Gardey, Erhard Julius	<i>RME</i>	24		* Saginaw, Michigan
Gardiner, Margaret Farmer	<i>LAS</i>	31		* Chicago
Gardner, Clarence	<i>MedP</i>			* Cleveland, Ohio
Gardner, Franklin Truesdale	<i>Chem (SS)</i>	83		* Tulsa, Oklahoma

Gardner, Harry Robert	CE	34	* † Warren
Gardner, Homer Frank	CE	62½	* † East St. Louis
Gardner, J. Paul	Agr	17½	* † Urbana
Gardner, Junius Raymond	CE	08	* † Rockford
Garcy, Luther Thomas	Chem	65	* † Wilmington, Delaware
Gargan, Joseph Edward	Ath	34	* † Simsbury, Connecticut
Garges, Wilbur Lawrence	SS	8	Urbana
Garland, John Courier	Ins	33	* † Dubuque, Iowa
Garman, Eliza Bonita, B.S., 1921	SS	133½	Urbana
Garman, Horace Bryan, A.B., 1919	Law	60	* † Urbana
Garms, Harold Henry	Min.E	68	* † Charles City, Iowa
Garner, Charles Wix	Ath	42	* † DeKalb
Garrett, Ralph Elwood	SS	8½	Springfield
Garrison, Bessie Eunice	SS	0	Centralia
Garrison, Mark Anthony	LawP (SS)	33½	* † Rushville
Garrison, William Homer	ME		* † White Hall
Garstang, Gladys Eloise	LAS	30	* † Urbana
Garth, Thomas Tyrrell	Bus	63½	* † Beaumont, Texas
Gartland, Mary Clotilda	SS		Springfield
Garton, Phebe Helen	HELAS (SS)	34	* † Champaign
Garvin, Noah	LAS (SS)	75	* † Champaign
Garvin, Wiley Boyce	SS	53½	Champaign
Garvin, William T	AC sp		† Champaign
Gasen, Sara	HELAS	31	* † Virden
Gasthoff, Earl Wilhelm	Bus	32½	* † Danville
Gates, Cecil Elmer	Agr	102½	* † Tuscola
Gates, Clyde E	SS	44	Harrisburg
Gates, Harold A	SS	0½	Valparaiso, Indiana
Gates, Natlan Phillips	LAS	30½	* † Chicago
Gates, Wilfred, Miller	Bus	73½	* † Alton
Gathany, Marjorie Janet	Jnl		* † Kankakee
Gathany, William Van Dervoort	Bus (SS)	61	* † Kankakee
Gauger, Earl Victor	Arch	66½	* † Charles City, Iowa
Gauger, Raymond Julius	AE		* † Charles City, Iowa
Gault, Louis	SS	150	Chicago
Gaumer, Everett Hale	Agr	8	* † Danville
Gay, Sara Lettie	HELAS	90½	* † Rockport
Gay, William Burton	Accy		* † Jamestown, Kentucky
Gayer, Eley Jordan	LAS	112½	* † Monmouth
Gayle, Virginia Gordon	Arch	132	* † St. Louis, Missouri
Gaylord, Leonard Leroy	SHAgr		* † Arcola
Gaynor, Gertrude Genevieve	Mus sp (SS)	8	* † Urbana
Gebhardt, William Henry	Bus	33	* † Chicago
Gee, Charles Hartwell Shelley	CE	07	* † Rockford
Gee, Dorothy Vernon	HELAS		* † Lawrenceville
Gee, Guy Kenney	Agr	58	* † Paxton
Gehlbach, Lee	Ind.A	43	* † Beason
Gehrt, Rollin Lawrence	Agr	64	* † Rantoul
Geiger, Edwin Stein	Agr	72	* † Mt. Carmel
Geiss, Fred Frank	Bus	95½	* † Harvey
Geist, Florence Estber	LAS	66	* † Chicago
Gellert, Anita Mary Ann	LAS	65½	* † Chicago
Gellert, Charlotte Marguerite	Jnl	30	* † Chicago
Gelmers, John Henry	ME		* † Chatsworth
Genre, Duane Joseph	Agr		* † Greenville
George, Elizabeth Mary	LAS		* † Independence, Iowa
George, Olive Esther	LAS		* † Chicago
George, Robert Slocum	LG	23	* † Painesville, Ohio
Georgioff, Bogomil	ME		* † Bulgaria
Geraghty, E Morland	LAS	99	* † Champaign
Gerber, Arthur Laurence	Arch		* † Chicago
Gerdes, Emil	Bus		* † Burlington, Iowa
Gerdes, Irma Charlotte Margeretha	LAS	66	* † Quincy
Gerdes, William Frederick, Jr.	CE	35	* † Quincy
Gerhardt, Royal Matthew	AE	71	* † Brookfield
Gerig, Benjamin Franklin	Voc vs p		* † Flanagan
Gerke, Elizabeth Matilda	LAS		* † Edwardsville
Gernon, Rosetta Josephine	LAS		* † Kankakee
Getcbell, Myron Warren, A.B., 1911	Lib	32	* † Eugene, Oregon
Geyer, Grace Mildred	LAS irr	133	* † Roswell, New Mexico
Gher, Ralph Giles	CE	109½	* † Allendale
Gher, Reginald Owen	Accy (SS)	61	* † Allendale
Giacomelli, Geno John	Bus	32	* † Ladd
Gibb, Harold Arthur	ChE	53	* † Columbus, Ohio
Gibbon, Karl Malcolm	LAS (SS)	95	* † Arthur
Gibbon, Polly Elizabeth	LAS		* † Arthur
Gibbs, Douglas James	Bus	71	† Chicago
Gibbs, Edward Lee	SS	62	Chicago
Giberson, Eugenia Leone	LAS		* † Alton
Gibson, Charles Donald	Accy	26	* † Aledo
Gibson, Ellen Josephine	LAS	34	* † Chicago
Gibson, Genevra Bush	Jnl	33	* † Sheldon
Gibson, James Dick, B.S., 1921	Law		* † Muskogee, Oklahoma
Gibson, John McClure	Agr	76½	* † Atlanta, Georgia
Gibson, John Thomas	Law		* † Muskogee, Oklahoma
Gibson, Ruth Mae	LAS	3	* † Urbana

Gidinghagen, Florence Lillian	LAS	90	* †	Kansas City, Missouri
Gidinghagen, Myrtle Rosalie, A.B., 1920	Mus		* †	Kansas City, Missouri
Gielniak, Walter Jacob	Bus		*	Gary, Indiana
Giese, Esther Aline	LAS	60	* †	Champaign
Giffin, Veva Mary	HEAgr	52½	* †	Charleston
Gift, Myrven Frank	Bus (SS)	102½	* †	Peoria
Gilbert, George Gale, Jr.	Law	59	* †	Mt. Vernon
Gilbert, George William	ChE		* †	Peoria
Gilbert, Helen Gale	LAS	04	* †	Mt. Vernon
Gilbert, Marvin Stewart	Bus	35	* †	Chicago
Gilbert, Pearl	SS	4½	* †	Urbana
Gilbert, Una Irene	LAS	65	* †	Crystal Lake
Gilbert, Wendell Philo	Agr	60	*	Carbondale
Gilbreath, Barbara Marie	SS	79	*	Watseka
Gilbreath, George F	Bus (SS)	72	* †	Watseka
Gilchrist, Theodore	Bus	67	* †	Crescent City
Gildhaus, William Jess	MinE		* †	Chicago
Giles, Ralph Wilbur	Bus		* †	Watseka
Gilkey, Herbert James	SS		* †	Oakland, California
Gill, Buford Harry Elledge	Accy	28	* †	Paris
Gill, Harriett Roberta	Bus	67	* †	Urbana
Gill, Ivan C	SS	130	*	Albion
Gillen, Janice M	HEAgr	128¾	* †	Beardstown
Gillen, Mildred Janet	HELAS (SS)	98¾	* †	Beryyn
Gillespie, Frank Stanley	Accy	63	* †	Springer, New Mexico
Gillespie, Fred Davidson, Jr.	LawP		* †	Harris
Gillespie, Martha	LAS		* †	East St. Louis
Gillespie, Ruth Elizabeth	HEAgr	63	* †	Pittsfield
Gillett, Lewis Todd	Bus		* †	Aurora
Gillette, William Henry	Bus	83	* †	Urbana
Gillfillan, Clarence Hawk	CE	67	* †	Watseka
Gillham, Charles Edward	Agr (SS)	75	* †	Edwardsville
Gillham, Norman Flagg	MinE		* †	Edwardsville
Gillogly, Edna Everette	LAS (SS)	75	* †	Mt. Carroll
Gilman, Lydon Ainsworth	AE	35	* †	Kansas City, Missouri
Gilmore, Bruce Wellington	Agr	31	* †	Compton
Gilmore, Franklin	Bus (SS)	71	* †	Oak Park
Gilmore, William Edward	Law	43	* †	Chicago
Gilsdorf, Howard Henry	CE		* †	Oak Park
Gilson, Robert Hiram	Law (SS)	29	* †	Chicago
Ginnaven, Sara Nannette	LAS	35½	* †	Blue Island
Ginsberg, Sidney	ForC		* †	Springfield
Gipson, Charles Franklin	Agr	68	* †	Chicago
Gipson, David William	Flor	133	* †	Amboy
Given, Jack Greenfield	Bus		* †	Amboy
Gjessing, Harry	MinE (SS)	67	* †	East Chicago, Indiana
Gladish, David Francis	CE	8	* †	Joliet
Glaeser, Elmer William	LawP	31	* †	Chicago
Glaeser, Philip Albert	Bus	23	* †	Chicago
Glantz, Otto Henry	LAS		* †	Chicago
Glanzner, Elvera Emelie	HEAgr	16	* †	Trenton
Glaser, Abraham Lewis	Flor	100	* †	Chicago
Glasgow, Glenn Earl	Agr	70½	* †	Chicago
Glass, William Carl	ME	95	* †	Hanna City
Glassford, George Bradley	EE		* †	Rock Island
Glassman, Morris	CE	77	* †	Chicago
Gleick, Joseph Theodore	Chem	67½	* †	Chicago
Glenn, Burr Hoover	LawP		* †	Webster Groves, Missouri
Glenn, Dorothy May	LAS	60	* †	Huntington, Indiana
Glenn, Harold Martin	Jnl	100¾	* †	Chicago
Glenn, M Wyman	Ath (SS)	72½	* †	Urbana
Glenn, Maude	SS	6	* †	Mt. Vernon
Glenn, Sidney Erwin	LAS	98½	* †	Chicago
Glenwright, John	Accy		* †	Mt. Vernon
Glicken, Maurice Jerome	AE	67½	* †	Springfield
Glidden, Doris	HELAS	64	* †	Chicago
Glos, Donald Frederick	ME	108½	* †	De Kalb
Glos, Marybelle Alden	LAS	73	* †	Wayne
Glos, Raymond Eugene	Bus		* †	Elgin
Glotfelty, Thomas Edward	REE (SS)	17¾	* †	Wayne
Gluskoter, Samuel Philip	ME	116½	* †	Urbana
Gnaedinger, Walter Charles	Bus	65	* †	Chicago
Goad, Louis Clifford	ME	70	* †	Chicago
Gobble, Harry Camden	Agr		* †	Urbana
Goble, Emerson Lloyd	EE	78	* †	Greenfield
Godbold, Edwin Dibrell	IndA	77¾	* †	Elgin
Goddard, Clara Elizabeth	LAS	95	* †	Moline
Goddard, John Henry	FOM	33	* †	Urbana
Goddard, Leland Paul	Bus		* †	Urbana
Goddard, Myron Chester, B.A., 1921	SS	134½	* †	Forest Park
Godfrey, Ernest	Bus		*	Monmouth
Godfrey, Joseph Charles, Jr	Jnl	68	*	Benton Harbor, Michigan
Godfrey, Mrs. Mable Collier	LAS (SS)	5½	* †	Oak Park
Goe, Mildred	LAS		* †	Indianapolis, Indiana
Goebel, Eunice Cooksey	LAS	16	* †	Chicago
			* †	Urbana

Goebel, Ralph Nickolus	Chem	76	* †	Sheridan, Wyoming
Goedde, Florence Henrietta	LAS	31	* †	Chicago
Goedde, Gladys Emma	LAS	20	* †	East St. Louis
Goelitz, Mildred June	Jnl (SS)	15	* †	Ravina
Goetz, Fred Samuel	Bus	91	* †	Chicago
Goetz, Leonard Clifford	ChE (SS)	12	* †	Collinsville
Goff, Frances Melissa	LAS		* †	Colorado Springs, Colorado
Goff, Joseph Richard	EE		* †	Colorado Springs, Colorado
Goings, Mildred Violet	SS	61½	*	Carbondale
Golb, Samuel Henry	CE	105½	* †	Chicago
Goldberg, Albin Gilbert	Accy (SS)	07½	* †	Joliet
Golden, Dios Edward	Agr	106	* †	Champaign
Golden, Jacob Morris	LAS sp		* †	Ploesti, Roumania
Golder, Harold Morris	Ath	30½	* †	Rock Falls
Golder, Mary Merle	LAS		* †	Rock Falls
Goldshall, Samuel	CE	104½	* †	Chicago
Goldstone, Lillian Katherine	LAS (SS)	06	* †	Dana
Gomez, Alfonso Arzapalo	SS	173½	* †	Mexico, Mexico
Gooch, John Horace	Agr	73	* †	Albion
Goodall, Harriet Moore	Mus	61	* †	Marion
Goodall, John Cobb	LAS		* †	Carbondale
Goodall, Virginia May	LAS	26½	* †	Capron
Goode, Richard Robert	Bus	33½	* †	Indianapolis, Indiana
Goodell, Harvey Leeper	CE		* †	Beardstown
Goodell, Helen Elizabeth	LAS	38	* †	Loda
Goodell, Horace Holbrook	CE	95	* †	Beardstown
Goodfellow, Ferdinand Chuse	LAS		* †	Peoria
Goodheart, Edmund James	CE	5	* †	Chicago
Goodman, Claire	ME		* †	Evanston
Goodman, David Frederick	Bus		* †	Pontoisuc
Goodman, Walter Ferdinand	Bus	29	* †	LaSalle
Goodman, William Finley	Law	90	* †	Louisiana, Missouri
Goodrich, Albert Herbert	IndA	101	* †	Champaign
Goodrich, Owen Rufus	Eng	30	* †	Peoria
Goodspeed, Fred Collins	Bus		* †	Evanston
Goodwillie, Walter Mahlon	IndA		* †	Chicago
Goodwine, Alice M	LAS	30	* †	Potomac
Goodwine, Glyn	LAS	56½	* †	Rockford
Goodyear, Grace Lucille	HELAS	01½	* †	Morton
Gopal, Pallampati Raja	ME		†	Bangalore, India
Gordin, Zella Coral	LAS	49	*	Champaign
Gordon, Benjamin Franklin	Agr (SS)	58½	* †	Wynne, Arkansas
Gordon, Frank Burgess	EE		* †	Lincoln
Gordon, Harold Henry	Agr	63½	* †	Alta
Gordon, Hazel Augusta, A.B., 1921	SS	133½	*	Urbana
Gordon, Lenore Alexandria	LAS	30	* †	Glen Ellyn
Gordon, Russell Mark	IndA	27	* †	Pontiac
Gordon, Wendell Holmes	Bus (SS)	97%	* †	Urbana
Gore, Roy Cletis, A.B., 1921	Law	54	* †	Champaign
Gorfinkel, Abraham Milton	Accy		* †	Chicago
Gorfinkel, Leon Harold	Accy	10%	* †	Chicago
Gorham, Thelma Mary	SS	15½	* †	Mt. Vernon
Gorham, Wilbur Clark	LAS	07½	* †	Fort Wayne, Indiana
Goslin, Leslie Harry	MedP		* †	Sireator
Gosman, Olivia Ann	Jnl		* †	Jasper, Indiana
Gossett, William Porter	LAS (SS)	106½	* †	Norris City
Gotta, Joseph Louis	AC		†	Bessemer, Michigan
Gotti, Hugo Palmer	SS	140	*	Libertyville
Gottschalk, Chester Eisele	IndA		*	Chicago
Gottschalk, Mrs. Laura Reichenthal	LAS	52	*	Urbana
Gough, Fayette Lichtenfeld	Bus	32	* †	Centralia
Gould, Richard Ernest	ME	76½	* †	Chicago
Gould, Wilfred Edwin	Agr		* †	Monteer, Missouri
Goulding, Robert LeRoy	Bus	26	* †	Alton
Gowans, Alan	SS	64	* †	Emmetsburg, Iowa
Gower, Roland Dewey	LAS		* †	Mendota
Gower, Walter Eugene	ME	63	* †	Odel
Grady, Guy Randall	ME	63	* †	Joliet
Grady, Henry Patrick	ME	82½	* †	Los Angeles, California
Grady, Paul	Ins	95	* †	Marion
Graesser, Mrs. Lois	LAS		* †	Burlington, Iowa
Graessle, George August	Ath		* †	Chicago
Graham, Frank Shipley	LAS	16	* †	Hindsboro
Graham, George Harold	LAS		* †	Chicago
Graham, Harold Haynes	Law	29	* †	Canton
Graham, Leo Handibode	Law		* †	Kewanee
Graham, Marcella	Jnl	63%	* †	Chicago
Graham, Phillip Summerfield	Ath	22	* †	Marion
Graham, Ray Scott	Agr sp	68	* †	Pittsfield
Graham, Ronald Clifton	Agr	115	* †	Athens
Graham, Waldron Albert	Ath sp		* †	Chicago
Graicunas, Algirdas Andrew	Agr	98%	* †	Chicago
Grange, Roger Tibbetts	ChE	3½	* †	Ladysmith, Wisconsin
Gransden, Albert Frederick	SS		* †	Sheridan
Grant, Joseph Glenard	EE	51½	* †	Harrisburg
Grant, Orin Bradford	Chem	100½	* †	Chicago Hright

Grant, Samuel	ChE	88	* † Chicago
Grapperhaus, Raymond Henry	Bus	54	* † Chicago
Grauel, George Warren	EE		* † Lebanon
Graves, George Keene	Bus		* † Lexington, Kentucky
Graves, John Ralph	Agr		* † Downers Grove
Graves, Kenneth Osborn	LG	21½	* † Chicago
Graves, Milton Albert	ME	64	* † Evanston
Graves, Ruth Bernadine	LAS	63	* † Bloomington
Gray, Anna Winifred	LAS (SS)	49	* † Urbana
Gray, Archibald Edmund	SS	8	* † Eureka
Gray, Bayard	LawP		* † Morrison
Gray, Beatrice Hallock	HEAgr	62	* † St. Joseph, Michigan
Gray, Earl Kenneth	Bus	95½	* † Joliet
Gray, Elizabeth Louise	LAS (SS)	3	* † Urbana
Gray, Harold Carey	Bus	37	* † Lima, New York
Gray, Harold Miller	Accy		* † Rantoul
Gray, Helen Frances	LAS		* † Springfield
Gray, Helen Grant	Lib		* † Chippewa Falls, Wisconsin
Gray, Horace Montgomery	Accy	117	* † Lerna
Gray, Howard William	Accy (SS)	101	* † Lerna
Gray, Mildred	LAS	109	* † Lerna
Gray, Muriel	LAS	68½	† Champaign
Gray, Ralston Dart, B. S., 1921	SS	130	* † Greensburg, Indiana
Gray, Sidney Jay	Agr (SS)	117	* † Princeton
Gray, Walter Scott	EE		* † Springfield
Greaves, Herman Bruce	ChE		* † Collinsville
Grebe, Frank Henry	ChE	23	* † Springfield
Greeley, Paul Webb	MedP	60	* † Waterman
Green, Carl	SS	5	* † Landes
Green, Drue Alfred	Law	35	* † Parkersburg
Green, Grace Luna	SS	7½	* † Norris City
Green, Helen Marie	HELAS		* † La Grange
Green, John Russell	CerE	104½	* † Chicago
Green, Mildred Amelia	SS	13	* † Nokomis
Green, Philip Thompson	LAS	37	* † Attica, Indiana
Green, Ruth Frances	LAS	64	* † Dundee
Green, Vernon Ray Clark	CE		* † Mattoon
Green, Vivian Julius	Agr	63½	* † Urbana
Green, Winifred	HELAS	33	* † Oakwood
Greenbaum, Howard Milton	ME	78	* † Cleveland, Ohio
Greenbaum, Minette Lorraine	LAS		* † Chicago
Greenberg, Saul Louis	C&L		* † Chicago
Greene, Earl Blair	Agr (SS)	113½	* † Abingdon
Greene, Harry Crysler	AE		* † La Grange
Greene, Howard Webber	Agr	68	* † Edelstein
Greene, Wilbur Lee	Bus	9	* † Bloomfield, Indiana
Greenhalgh, Amy Elizabeth	LAS	100½	* † Hillsboro
Greening, Jesse Arthur	Bus	66	* † Streator
Greenlee, Clark Montgomery	Agr	29	* † Winnebago
Greenman, Paul Revere	Ind A	47½	* † Champaign
Greenwald, David Paul	Bus		* † Hammond, Indiana
Greenwald, Leah	Bus		* † Chicago
Greenwill, Thomas Bazel	AE	29	* † Farmington
Greer, Garth Orville	LAS	89	* † Urbana
Greer, Homer D	Bus		* † Urbana
Greer, Russell Allen	LawP	31	* † East St. Louis
Greer, Villia Linton	SS	2½	* † Hot Springs, Arkansas
Gregg, Glenn Warren	Ath		* † Champaign
Gregg, Jean Passmore	HELAS	64	* † Chicago
Gregory, Helen Ruth	LAS	87	* † New Berlin
Gregory, Nina Belle	HEAgr (SS)	32½	* † Urbana
Griener, Roy John	LAS sp		* † Indianapolis, Indiana
Gries, Albin George	LG	97½	* † Chicago
Grieser, Robert Wallor	LAS (SS)	110	* † Quincy
Griffin, Edwin David	Agr	35	* † New Athens
Griffin, Judson Roy	LAS	38	* † Elkhart, Indiana
Griffin, Mary Avery	LAS		* † Champaign
Griffin, Stephen William	Voc vs p	27	* † New Athens
Griffin, Virgil Mason	LAS (SS)	58½	* † Sidney
Griffith, Everett McKee	LAS	106	* † Washington, Iowa
Griffith, Mrs. Louise Coleman, A.B., 1921	SS	130½	* † Urbana
Griffith, Mabel Frances	LAS	23	* † Rankin
Griffith, Walter George	Agr	72	* † McNabb
Grigg, Myron Guthrie	Bus	98	* † Sparta
Griggs, Clarence Dominique	Bus	76	* † Metamora
Grigsby, Chester Earl	CerE	33	* † Bruceville, Indiana
Griscom, Leo Leslie	MedP		* † Casey
Grobengieser, Robert Arthur	Bus	103	* † Altamont
Groeger, Roscoe Charles	EE	109½	* † Chicago
Grogan, Glenroy Gardner	CerE		* † Des Plaines
Groh, Nelle Marie	Ed	68½	* † Port Byron
Gronnerud, Herbert Melvin	CE	110½	* † Chicago
Grosch, Albert Edwin	Bus	32	* † Centralia
Gross, Annette	LAS	16	* † Chicago
Gross, Meda Floy	SS	105½	* † Warrensburg
Gross, Roland Albert	LAS	14	* † Springfield

Gross, Thusnelda Celestia	LAS	8	* † Urbana
Gross, Walter Henry	Bus	35	* † Buckley
Grossart, Charles Richard	Bus		* † Bellerille
Grossfeld, Lawrence James	Bus		* † Chicago
Grosskoff, Charles Edward	CE (SS)	41	* † Michigan City, Indiana
Grossman, Charles	AE		* † Chicago
Grossman, Donald Ashway, L.L.B., 1916	Mus irr		* † Champaign
Grossman, Thelma	LAS		* † St. Louis, Missouri
Grosstephan, Arthur Rudolph	Agr		* † Chicago
Grote, Waldorf William	ME	105½	* † Wheaton
Grout, Jack Rupert, Jr.	CerE		* † Chicago
Grove, Frances May	LAS	67	* † St. Louis, Missouri
Grove, Ivan Hampton	SS	8	* † Arkansas City, Kansas
Grow, Harold Asa	Bus	8	* † Kewanee
Grubb, Joseph Claron	ForC sp	8	* † Chicago
Grubb, Kenneth Alfred	Bus	67	* † Atlantic, Iowa
Grumhaus, Harold Francis	ForC	167	* † Lisle
Grunewald, Carl Frederick, A.B., 1920	Flor irr		* † Pasadena, California
Grylich, Fredarica Mai	LAS (SS)	101	* † Champaign
Guardia, Ernesto Jean	SS	152½	* † Panama City, Panama
Gubin, Samuel Hersch	Bus		* † St. Louis, Missouri
Guenther, Catherine Mary	LAS	30	* † Owensboro, Kentucky
Guenther, Louis Henry	LAS	108¾	* † LaSalle
Guenther, Otto Hugo	Agr sp		* † Normal
Guenther, Raymond	EE	98	* † Paterson, New Jersey
Guernsey, Roy Donaldson	Bus		* † Bound Brook, New Jersey
Gugger, Jack Emil	Bus		* † Freeport
Guha, Amulya Chandra	EE	25	* † Bengal, India
Gulick, Catherine	LAS		* † Champaign
Gullette, Edward Ewing	ME		* † Deer Lodge, Montana
Gulley, Sanford Joseph	ME	147½	* † Urbana
Gulmyer, Reginald Joseph	Bus	32	* † Elkhart, Indiana
Gumm, Minnie Carol	SS	152	* † Marseilles
Gundlach, Wallace Charles	LAS	65	* † St. Louis, Missouri
Gunning, Mary Gerard	SS	8½	* † Springfield
Gunton, George Edwin	ChE	83	* † Simcoe, Ontario
Gurtler, William August	CE	73¾	* † Chicago
Gustafson, Carl Edward	Accy	28	* † Waukegan
Gustafson, John Hilmer, B.S., 1921	SS	143¾	
Gustavson, Floyd Elmer	Bus		* † Kingston
Gutfreund, Norman Leo	LAS	96¾	* † St. Louis, Missouri
Guthrie, Audra Kitson	HEAgr	57	* † Frankfort, Kentucky
Guthrie, Kenneth William	CE (SS)	73½	* † Jacksonville
Guziel, Francis	LawP		* † Chicago
Gwinn, Andrew Burkey	LAS (SS)	103½	* † Champaign
Gwinn, Bessie Duff	LAS		* † Terre Haute, Indiana
Gwinn, John Fulton	Agr	20	* † Fairland
Haake, Marell Henry	Agr	60	* † Fillmore
Haas, Eli Samuel	SS	67½	* † Chicago
Haas, Norman Joseph	EE	8	* † Chicago
Haase, Paul Ferdinand	Bus	53½	* † Oak Park
Hackett, Robert Phillip	Accy	03½	* † Rochelle
Hackman, Frederick Henry	EE		* † LaSalle
Hackman, Marietta Duffy	LAS		* † Havana
Haddleton, Alfred William	SS	5½	* † Providence, Rhode Island
Hadley, Margaret Hannah	LAS	141¾	* † Winnetka
Hadley, Wilbur Powell	LAS	30	* † Edwardsville
Haering, Veronica Lucille	LAS	30	* † Chicago
Hafer, Theodore Hewitt	Agr	39	* † Irvington
Hagan, Bernard Anthony	SS	106½	* † Champaign
Hagebush, Charlotte Ann	LAS	32	* † Ashley
Hagedon, Harry Peter	ChE	66	* † Chicago
Hagen, Adele Clara	LAS	62	* † Oak Park
Hagen, Fred Ellis	Agr	32	* † Hubbard Woods
Hagener, Charles	ME	77½	* † Beardstown
Hager, David Chester	LAS		* † Columbus, Indiana
Hager, Floyd David	Chem	107¾	* † Adair
Hager, Levi James	Agr	30	* † Altona
Hahn, Alta Ruth	Jnl	100¾	* † Springfield
Hahn, Herman Edward	EE	60	* † Kansas City, Missouri
Hahne, William Fred	Bus	100¾	* † Chicago
Haines, Leslie Clinton	ForC	8	* † Gurnee
Haines, Russel Dewey	Bus	32	* † Denver, Indiana
Hair, Arthur J	Law	61	* † Greenville
Haldeeman, Virgil Kenneth	SS	114¾	* † Ponca City, Oklahoma
Hale, Dorothy	SHHEAgr	34	* † Omaha
Haley, Josephine Marita	LAS	104	* † Arcola
Haley, Kenneth Huber	Bus	26	* † East Lynn
Haley, Marion Marguerite	HELAS	66	* † Buda
Haley, Paul Edward	MedP	30	* † Champaign
Hall, Andy, Jr.	MedP	50½	* † Mt. Vernon
Hall, Benjamin Henry	SS		* † East St. Louis
Hall, Clifford Scoville	SS	5	* † Donovan
Hall, Colby	MedP		* † Springfield
Hall, Elbridge William	Voc vs p		* † Jackson, Michigan
de Hall, Gesiene Adelaide	HELAS		* † Indiana Harbor, Indiana

Hall, Gertrude Vera	HELAS		*	Alexandria
Hall, Gladys Gere	LAS	34	* †	Champaign
Hall, Harry	Bus		* †	Chicago
Hall, John Coleman	CE		*	Greenap
Hall, John W	CE-E		†	Baltimore, Maryland
Hall, Louis Gerard	Agr	114	* †	Decatur, Michigan
Hall, Marjory Isabel	LAS		* †	Urbana
Hall, Melvin Eugene	Accy	35	* †	Carterville
Hall, Mose M	SS	8	*	Carbondale
Hall, Orville	SS	8 $\frac{1}{2}$	*	Thornton, Indiana
Hall, Powell Storrs	Arch	57 $\frac{1}{2}$	* †	Ripon, Wisconsin
Hall, Robert Benson	ME		* †	Berwyn
Hall, Ross Cyril	EE		†	Rose Hill
Hall, Ruth Alden	HELAS	104	*	Chicago
Hall, Virginia Augusta	LAS	22	†	Oak Park
Hall, William Carleton	SS	7 $\frac{1}{2}$	*	Kitts Hill, Ohio
Hallaer, William E	AE	138 $\frac{1}{2}$	†	Davenport, Iowa
Halladay, Frank Hubert	EE	33 $\frac{1}{2}$	*	Buda
Halladay, James	Bus		* †	Columbia, Kentucky
Haller, Charles Jacob	EE	108 $\frac{1}{2}$	* †	Nokomis
Haller, Norman Lorraine	SS		*	Estherville, Iowa
Hallett, Howard Worthington	ME	71	* †	Chicago
Hallett, Robert Leland	MinE		* †	Rock Island
Halls, Martha Dee	Jnl	30	*	Chicago
Hallstein, Fred John	CE	69	* †	Pekin
Halpenny, Lawrence	LAS		* †	Chicago
Halperin, Isadore Martin	REE	106	* †	Chicago
Halushka, Cornelius Paul	LAS	42 $\frac{1}{2}$	* †	Chicago
Halvorsen, Arnold Oliver	CE	120	* †	Chicago
Hamblen, Lillian May	LAS	61	* †	Chicago
Hamby, William Irvin	Arch		* †	Dawson Springs, Kentucky
Hamerstrom, Norman Elwood	LAS	52	* †	Galesburg
Hamilton, Earl Jefferson	SS	6	*	Houlka, Mississippi
Hamilton, Ernest Forest	LawP	60	* †	Danville
Hamilton, Grace Leonora	LAS	69	* †	LaSalle
Hamilton, Hallie Leonidas	SS	$\frac{1}{3}$	*	Royal Centre, Indiana
Hamilton, James Colburn	LawP		* †	Maywood
Hamilton, Joseph Roe	FOM	35	* †	Galesburg
Hamilton, Linna	SS	8 $\frac{1}{2}$	*	Broughton
Hamilton, Ralph Kenny, B.S., 1921	SS	136 $\frac{1}{2}$	*	Blandinsville
Hamilton, Thomas Patrick	ME	88 $\frac{1}{2}$	* †	Clinton
Hamiter, Robertelle	LAS	77	* †	Little Rock, Arkansas
Hamlin, Iva Pearl	HELAS (SS)	89 $\frac{1}{2}$	* †	Urbana
Hamlin, Willa Sue	HELAS (SS)	32	* †	Urbana
Hamm, Bessie Lucile	LAS	64 $\frac{1}{2}$	* †	Champaign
Hamm, Martin Isaac	Bank	30	* †	Strasburg
Hammack, Robert Gale	Agr sp (SS)	15	* †	Pinckneyville
Hammaker, Paul M	Bus		* †	Youngstown, Ohio
Hammann, Doris Josephine	HELAS	60	* †	Watscha
Hammel, Egidius Henry	Agr		*	Thomasboro
Hammer, Carl Shelley	LAS		* †	Chicago
Hammer, Thomas Jacob	Bus	38	* †	Alpena, South Dakota
Hammerstein, Albert Emil	CE	104 $\frac{1}{2}$	* †	St. Louis, Missouri
Hammill, Mildred Acellia	SS	3	*	Beloit, Wisconsin
Hammond, Asaph Chandler	Agr	101	* †	Warsaw
Hammond, Bertrand Tarrant	Agr	123 $\frac{1}{2}$	* †	Hubbard Woods
Hammond, Catharine Elizabeth	HELAS		* †	Taylorville
Hammond, David Dick	LAS		†	Chicago
Hammond, Dorothy	LAS	65	* †	Taylorville
Hammond, Percy Don, A.B., 1917	Lib	25	* †	Weston, West Virginia
Hammond, Verdi	LAS		*	Chicago
Hammons, Foy Hayden	SS	7 $\frac{1}{2}$	*	Little Rock, Arkansas
Hampson, Herbert William	Agr		* †	DeKalb
Hancock, Agnes Leah	LAS		* †	Urbana
Hancock, Mary Lillian	HELAS	59	* †	Urbana
Hand, Ella Marie	CCS	40	†	Champaign
Hand, Pearl Irene	LAS	30	* †	Chicago
Handke, Otto Frank	Eng	32	* †	Forest Park
Handley, Howard Henry	Bus (SS)	121	* †	Alma, Michigan
Handy, Harry Edwin	EE	73	* †	Marshall
Hanf, Theodor Martin	Agr	110	* †	New Athens
Hanger, Mary Elizabeth	LAS	67	* †	Indianapolis, Indiana
Hank, Leonard Martin	Bus	25	* †	Urbana
Hanly, Darrell Irving	SHAAgr	57	* †	Muncie
Hanna, Floyd Odel	Agr	88	†	Worthington, Indiana
Hannaford, Eva Bula	Mus sp		*	Champaign
Hannan, Lillian Verneille	Ed	100	* †	Oncida
Hannon, John Michael	Agr	73 $\frac{1}{2}$	* †	Chicago
Hanselman, June Dorothea	LAS		* †	Chicago
Hansen, Edward Conrad	IndA (SS)	69	* †	Chicago
Hansen, Everett James	ME	109 $\frac{1}{2}$	* †	Brookston, Indiana
Hansen, Grant Oscar	MinE		* †	Chicago
Hansen, Ida C	LAS (SS)	15	* †	Persia, Iowa
Hansen, John Wilbur	Bus	32	* †	Brookston, Indiana
Hansen, Norman Albert	Chem	94 $\frac{1}{2}$	* †	Chicago
Hansen Robert George	ME	8	* †	Chicago

Hansen, William Emil	IndA		* † Chicago
Hansler, John Edward	ME	27	* † Elgin
Hanson, Albert Herman	CrE		* † Kewanee
Hanson, August Hugo	LG	117 $\frac{3}{4}$	* † Onatonna, Minnesota
Hanson, Edward Stuntz	LAS	33 $\frac{1}{2}$	* † Elmhurst
Hanson, Lorene Estella	HELAS	25	* † Paxton
Hanson, Maurine Louise	Ed	102	* † Galva
Happenny, John Clifford	CE		* † Revere, Massachusetts
Harcus, Margaret Antoinette	Jnl	33	* † River Forest
Hardacre, Gilbert Kuster	CrE	72	* † Kansas City, Missouri
Harden, James Edward	CE (SS)	114	* † Shelbyville
Hardesty, Josephine Frances	SS	127 $\frac{3}{4}$	* † Homer
Harding, Florence Marie	LAS	33	* † Champaign
Harding, Harry Gordon	LAS	38	* † Urbana
Harding, Mrs. Margaret	SS		Paris
Hardy, Helena Beatrice	SS	5	Momence
Hardy, Robert Henry	Bus	20 $\frac{1}{2}$	* † Murphysboro
Harewood, Richard Alexander	LAS	103 $\frac{3}{4}$	* † Winnipeg, Canada
Harford, Lyle Fowler	Agr	60	* † Alton
Hargis, Elbert Thomas	Ed	68	* † Champaign
Hargitt, Clara Belle	SS	67 $\frac{3}{4}$	Aurora
Harlan, Charles Alexander	ME	6	* † Chicago
Harlan, Marshall Oscar	Bus	32	* † Clinton, Indiana
Harlin, Amond McKinley	Bank	90 $\frac{3}{4}$	* † Del Rio, Texas
Harman, Gabriel Conger	LG	85 $\frac{1}{2}$	* † Waco, Texas
Harman, Howard Wynes	CE	110	* † Peoria
Harman, Ruth Marguerite	LAS	96	* † Sidell
Harmeling, Henry Charles	REE	107	* † Paducah, Kentucky
Harmon, Clayton John	EE		Bloomington
Harmon, Fannie Rosa	SS	129 $\frac{1}{2}$	Kenbridge, Virginia
Harmon, John Millard	SS	8 $\frac{3}{4}$	Louisville
Harms, Carl Frederick	ME	115	* † Chicago
Harms, Frank Robert	Bus	36	* † Chicago
Harms, George William	SS	71 $\frac{1}{4}$	Peoria
Harnet, Charles Emory	Jnl	65	* † Hinsdale
Harnit, Kathryn Anne	Law P (SS)	40	* † Champaign
Harper, Charles Athiel	SS	72 $\frac{1}{2}$	East St. Louis
Harper, Eva Jane	LAS		* † Urbana
Harper, Luther Lee	Bus (SS)	33	* † Urbana
Harper, Robert Harrell	Bus	4	* † Greenwood, Arkansas
Harper, Robert Osborne	Agr	66	* † East St. Louis
Harper, Wesley Dean	Agr	39	* † Urbana
Harpole, Katherine	LAS		* † Chicago
Harriman, John Walter	ME	74 $\frac{1}{2}$	* † Chicago
Harrington, Bernard Michael	Jnl	40	* † Chicago
Harrington, Bernard Wilfred	Law	50	* † Champaign
Harrington, Earl Conrad	Law	61	* † Champaign
Harrington, Earl James	Ath		* † Plano
Harrington, Lowell Raymond	EE		† Dewitt, Iowa
Harris, Alice Jane	LAS	74 $\frac{1}{4}$	* † Marion
Harris, Elizabeth Brooks	LAS sp		* † Urbana
Harris, Carl Garland	SS	8	Des Moines, Iowa
Harris, Don	AE	20 $\frac{1}{2}$	* † Benton
Harris, Donald Alton	CE	117	* † Windsor, Vermont
Harris, Edwin Luther	LAS	81	* † Macomb
Harris, Everette Lee	CrL	64 $\frac{1}{2}$	* † Rantoul
Harris, Fay Morrow	Arch	76 $\frac{1}{2}$	* † Mounds
Harris, Frank Charles	LG	131	* † Coffeen
Harris, Homer Blinn	Law	58	* † Lincoln
Harris, John Edgar	SS	152 $\frac{1}{2}$	Coffeen
Harris, Lloyd Elbert	ME	21	* † Quincy
Harris, Lucile Margaret	LAS	31	* † Champaign
Harris, Pauline A	LAS	7	* † Chicago
Harris, Richard Evan	LawP		* † Gillespie
Harrison, Alden John	LAS		* † Rockford
Harrison, Carter Henry	Bus		† Christopher
Harrison, Elbert Iredell	Arch	68	† Bloomington
Harrison, Emory Garnall	SS	9 $\frac{3}{4}$	Oxford, Indiana
Harrison, Eugene Rust	Bus	36	* † Davenport, Iowa
Harrison, Fred G	Agr	17 $\frac{3}{4}$	* † Herrin
Harrison, Glenn Gerald	Bus		* † Freeport
Harrison, Lyle Lux	Bus	59	* † Lovington
Harry, Lois Cumberland	LAS		* † Champaign
Harsch, Mrs. John William	LAS sp		† Urbana
Harsh, George Frederick	LAS	93	† Garrett, Indiana
Harshbarger, Frieda Irene	HELAS	94 $\frac{3}{4}$	* † Tiesdale
Hart, Fannye Sylvia	Bus	32	* † Cicero
Hart, James William	EE	39	* † Salem, South Dakota
Hart, Joseph Alfred	Bus		* † Maywood
Hart, Joseph Francis	Chem (SS)	82 $\frac{3}{4}$	* † Clinton
Hart, Marion Murphy, A.B., 1920	Law	60	* † Benton
Hart, Mary Miller	LAS	79	* † Benton
Hart, Morris Broadway	EE (SS)	103	* † Vienna
Hart, Raymond Dwight	Agr		* † Ashton
Hartelius, Floyd Melvin	EE	72	* † Rockford
Harter, Baxter Burris	ME (SS)	71	* † Urbana

Harter, Clarence Raymond	AE		* † Wichita, Kansas
Harter, Siegfried P	LAS	100%	* † Pana
Hartley, Helen Grace	LAS	30	* † Henry
Hartley, Miles C	LAS (SS)	72½	* † Toulon
Hartline, Opal Cameron	SS	7	* Ashley
Hartman, Ruth Lorley	LAS		* Chicago
Harts, Hanson Wright	SS	132¾	* † Chicago
Hartung, George August	Bus	102%	* † Chicago
Hartung, Philip Tempel Thomas	Bus		* † Chicago
Hartwell, Troy Kern	Agr		* † National Stock Yards
Harvey, Clifford Welton	Agr	98	* † Mt. Vernon
Harwood, Donald Gill	Agr		* † Janesville
Hasbrook, Robert Locke, B.S., 1921	SS	131½	* Hinsdale
Hasbrook, Theodore Louis	IndA	49½	* Bloomington
Hashimoto, Ryoza Miki	IndA	40	* † San Francisco, California
Haskins, Frederick E	EE	63½	* † Eldorado
Hasley, Louis William	EE		* Chicago
Hatch, Frank Moeller, Jr.	Accy	34½	* † Chicago
Hatch, Harland Livingston	SS	5	* Horton, Michigan
Hatch, Lemoine Scudder	ME	39	* † La Grange
Hatcher, James Frank	Arch	6	* † Weston, Ohio
Hathorne, Wade Sherman	Chem	88	* † Waukegan
Hathorne, Zenas Franklin	Bus	62%	* † Waukegan
Hatley, Frank Lewis	Ath	8	* † Lynden, Washington
Hatley, Fred James	Ath	8	* † Lynden, Washington
Haubrock, Alfert Charles	Agr		* † Mendon
Haumersen, Edith Henrietta	LAS (SS)	118	* Chicago
Hauser, Era Norbett	ChE	32	* † Oak Park
Hauser, Ruben Clemens	Chem	27	* † Stuttgart, Arkansas
Hausmann, Herbert	ForC	29	* † Vandalia
Havard, Mary Pearl	LAS	32	* † Urbana
Hawken, Granville Jacob	AE	13	* † Kirkwood, Missouri
Hawker, Raymond Peter	IndA	34	* † Marshall
Hawkes, Joseph Bulkley	LAS	78½	* † Rosemond
Hawkins, Mrs. Lois Maurine	SS	5	* Stonefort
Hawkins, Troy	SS	7	* Dix
Hawks, Jean Elizabeth	HELAS	72	* † Chicago
Hawks, John Uline	Bus	65	* † Goshen, Indiana
Haworth, Agnes May	SHHEAgr	63	* † St. Joseph
Haworth, Genevieve Marie	Ed	60	* † Danville
Haworth, Harry Sloan	CE (SS)	106½	* † Springfield
Hawthorne, Edward Everett	Agr		* † Granville
Hawthorne, Rosene Alice	LAS	54	* † Urbana
Hay, Arthur Vincent	Agr	33½	* † Fowler, Indiana
Hay, Porter Wand	ME (SS)	72	* † Urbana
Hay, Rollin Olin	Accy		* † Fowler, Indiana
Hay, Sarah Frances	HELAS	30	* † Danville
Hayden, Lyle Johnson	Agr		* † Pittsfield
Hayes, Bluford Faris	EE		* † Paris
Hayes, Dulcie	LAS	54%	* † Ogden
Hayes, Grant Joseph	ME	13½	* † Indianapolis, Indiana
Hayes, Harmon Phillips	LAS	31	* † Urbana
Hayes, Robert Cary	LAS	100%	* † Urbana
Haylett, David Graaff	Agr (SS)	86	* † Cape Town, South Africa
Haynes, George Lester	Accy		* † Moline
Hays, Edward Cormaran	Bus	100	* † Marion, Indiana
Hays, Ethel Marguerite	LAS	72	* † Marissa
Hays, Genevieve Elizabeth	LAS	68%	* † Marion, Indiana
Hays, Thomas George	MedP		* † Marissa
Hayward, Harold Nathaniel	EE	37	* † Elgin
Hayward, Landes Hamilton	ME	38½	* † Peoria
Hayward, Robert William	Agr	68	* † Fairfield
Haywood, Ruth Mildred	LAS	29	* † LaFayette, Indiana
Hazebrigg, William Elmer	Jnl	78½	* † Terre Haute, Indiana
Hazen, Cecil Reeder	Agr (SS)	103%	* † Champaign
Hazen, Nathan Bruce	Arch	153	* † Peoria
Hazlehurst, Jack Harris	EE	35	* † Chicago
Headly, Arthur Barr	LawP		* † Paris
Heath, John Jackman	Bus	34	* † Chicago
Heath, Mildred Dorothy	SS	97	* Odell
Heath, Walter Arthur	LAS	64	* † Elgin
Heath, William Owens	Bus	38	* † Chicago
Heaton, Jeannette	SS	130	* † New Burnside
Heaton, Raymond Lester	Agr	94	* † Hoopston
Heberer, Henry Miles	LAS (SS)	100%	* † East St. Louis
Hebert, Mary Cecilia	SS	5½	* Assumption
Hecht, Adrienne	LAS		* † Chicago
Heckaman, Loren Link	Bus	30	* † Bremen, Indiana
Heckel, Ervin John	SHAEEd	62	* † Chicago
Heddings, Helen	Bus		* † Urbana
Hedgcock, Charles Bolton	SS	7	* Plymouth
Hedgcock, Ralph Everette	CE	132	* † Augusta
Hedges, Mrs. Edith Wight	SS	90½	* † Chicago
Hedrich, Otto Hoffmann	ME	127½	* † Chicago
Hedrich, Roland Louis	ME	72	* † Chicago
Hedrick, Charlotte June	LAS		* † Chicago

Heer, Herschel George	EE	12½	* † Summer
Heffernan, Helen Gertrude	LAS		* † Champaign
Heffernan, James Francis	Bus (SS)	18½	* † Champaign
Heffron, Roderick	MedP	32	* † Chicago
Hegert, Geraldine Daette	LAS	65	* † Amboy
Hegner, Herman Franz	Bus	28	* † Chicago
Heideman, Arthur Gustav	Chem	95½	* † Elgin
Heidemann, Ella Henrietta	LAS	33	* † Hinsdale
Heidemann, Francis Joseph	Accy	28	* † Rock Island
Heidemann, Leah Miriam	LAS		* † Hinsdale
Heidenrich, Stanley George	SS	65	* † Ottawa
Heider, Raymond Louis	Bus	37½	* † Moline
Heider, Joseph Bunn, A.B., 1918			
A.M. 1920	SS		Springfield
Heil, Henry	LawP	23	* † Decatur
Heil, Joseph Frank	CE	11	* † Chicago
Heim, Lillian Romaine	LAS		* † Youngstown, Ohio
Heimovics, John Francis	Eng	36	* † Kansas City, Missouri
Heineman, Henry Edward Orville	ChE	66	* † Chicago
Heiner, Louis Joseph	EE		* † Mound City
Heinle, Harold Samuel	Agr		* † Argenta
Heinle, William Frederick	SS	8	* † Urbana
Heinrichs, Robert Mills	MinE	104½	* † Chicago
Heitler, Charles	Bus	35	* † Chicago
Heitmeyer, Powis Lee	MedP		* † Portland, Oregon
Heller, Clarence Max	Bus	63½	* † Champaign
Hellstrom, Norton Evans	Ath	27	* † Evanston
Helm, Verna Mae	HELAS	63	* † Metroplitis
Helmig, Carl William	MedP	99½	* † Peru
Helmle, Herman George	Bus	35	* † Springfield
Helmreich, Ernst Christian	LAS	36	* † Crescent City
Helms, Elva Allen	LAS	107½	* † Attica, Indiana
Helsing, Einar Axel	Bus		* † Chicago
Helvie, Marian Cole	LAS	33	* † Decatur
Hemb, Donald Mills	Bus	66	* † Wilmette
Hemingway, Wanda Marie	Bus	2	* † Arcola
Hemphill, John Scott	MinE	19	* † Benton
Henry, J Scott	EE	69½	* † Hamilton, Missouri
Henwall, John Edwin	Bus		* † Oak Park
Henderson, Clarence Henry	Agr		* † Chicago
Henderson, Donald Cedric	Agr	33	* † Leland
Henderson, Edwin Percy	CE		* † Elgin
Henderson, George Warren	Bus	27	* † Mattoon
Henderson, George Washington	SS	6½	Effingham
Henderson, Herschel Clifford	CE		† Toronto, Ontario
Henderson, Lawrence Jewell	Bus (SS)	43½	* † Champaign
Henderson, Noble Rhollen	Agr	25	* † Mendon
Henderson, Russell Dewey	Arch	70	* † Humrick
Henderson, Stanley	ME	34½	* † Washington, D. C.
Henderson, William Timble	Arch		* † Urbana
Hendry, Charles George	Agr	18	* † Kentland, Indiana
Henle, Raymond Zoller	SS	80½	Davenport, Iowa
Henley, Thomas Edward, B.S., 1921	SS	147½	Mattoon
Henley, William Burton	ME		* † Mattoon
Henn, Donald Everett	CE	106½	* † Park Ridge
Henneberry, James Leo	ME	115	* † Rankin
Henneberry, Mary Theresa	LAS sp	12½	* † Lincoln
Heness, Charles Floyd	ME		* † Champaign
Henning, Edgar Bennett	Bus	84½	* † Chicago
Henning, Lester Anton	Bus	53	* † Chicago
Henninger, Fred A	Arch	93½	* † Omaha, Nebraska
Henninger, George Copeland	ChE	70½	* † Chicago
Henricksen, Vesta Clair	LAS		* † Chicago
Henry, Arden Forest	EE		* † Rockford
Henry, Bernard Edward	IndA	79	* † Villa Grove
Henry, Bernice Fern	LAS	66	* † La Porte, Indiana
Henry, James Ray	Bus	48	* † Burlington, Kansas
Henry, Mabel Frances, A.B., 1921	SS	139½	Urbana
Henry, Oren Osborne	Chem		* † Canton
Henry, Ruth Charlotte	LAS		* † La Porte, Indiana
Henry, Vernon Wilmot	Accy	70½	* † Tulsa, Oklahoma
Henry, William Carter	Bus	106	* † Urbana
Henry, William Stone	Chem	29½	* † Washington, D. C.
Hensel, John Benjamin	Bus		* † Chicago
Hensel, William Monroe	LAS	26½	* † Chicago
Henshel, Walter Marcus	Bus		* † Chicago
Hensinkoeld, Charles Theodore	LAS		* † Fulton
Hensler, Earle David	Bus		* † Earlsville
Hensley, Oliver May	Mus sp (SS)	34½	* † Champaign
Hensler, Alfred S	Ed	60	* † Salina, Kansas
Henson, John Robert	Bus	17	* † Villa Grove
Herb, Clarence Church	Bus	33½	* † Emington
Herbert, Harold H	CE	89½	† Elmwood
Herbst, Mabel Lueretia	SS		Sandy Lake, Pennsylvania
Herbst, William Henry	SS	7	Scranton, Pennsylvania
Herche, Arlyn George	Bus	70	* † Rushville

Hancock, Genevieve Helen	HELAS		* † Chicago
Herman, Frank Andrew	C&L	66	* † Mounds
Hermann, Margaret Elizabeth	HEAgr		* † Woodbine
Herold, Verna Rose	SS		* † Grand Rapids, Michigan
Heron, Laurence Tunstall	Jnl	36	* † East St. Louis
Herrick, Harriet	LAS		* † Champaign
Herrick, Helen Harriet	LAS		* † Farmer City
Herrick, Mildred Katherine	LAS		* † Farmer City
Herrick, Norman Gains	Ath	67	* † Waterman
Herrig, Milton Alexander	AE (SS)	17½	* † Sioux City, Iowa
Herrin, Blanche Grace	LG	57	* † Boulder, Colorado
Herrin, Joseph	Bus	34	* † Eureka, Missouri
Herrin, Willard	Agr		* † Buffalo
Herron, Mildred Leone	LAS	35	* † Warrensburg
Herrold, Maurice Frank	Bus	50½	* † Indianapolis, Indiana
Herron, Horace Southworth	Lib		* † Gilman
Herron, Miriam Ermintrude, A.B., 1919	CE	22	* † Shelbyville
Herting, Herold Edward	CE	41	* † Chicago
Herrwig, Lee Conrad	CE	137½	* † Ashton
Herzog, Ralph Benjamin	LAS		* † Chicago
Heshin, Herman George	AE	71	* † Chicago
Hesler, Evelyn Junita	LAS	27	* † Chicago
Heslip, Hannah Elizabeth	HEAgr		* † Hillsboro, Indiana
Heslip, Malcolm Farnsworth	Bus		* † Danville
Hess, Lester Sunan	SS	59½	* † Danville
Hesser, Frank Raymond	Acy (SS)	147½	* † Greencastle, Pennsylvania
Hesser, George Batchelder	Bus	99	* † Urbana
Hesser, Mary	Bus	117	* † Urbana
Hessler, Mae Catherine	LAS	27	* † Urbana
Hetherington, Raymond	Agr sp	32	* † Villa Grove
Hewes, Mrs. Annie Butcher	SS		* † Chicago
Hewes, Ellis Elliott	Bus	4	* † Wibeck, England
Hewes, George Cavender	AE	35	* † Chicago
Hewett, Philip Crane	ME	74	* † Barbourville, Kentucky
Hewitt, Harvey Carl	SHAAgr (SS)	62½	* † Boston, Massachusetts
Hoyduck, Harold George	Bus	2½	* † Georgetown
Hibbard, Fred W	Eng		* † Centralia
Hickman, Allen Ray	CE		* † Chicago
Hickman, Howard Henry	Arch	86	* † Danville
Hickman, James Franklin	SS		* † Chicago
Hickman, Mary Rowena	Jnl	16	* † Eldorado, Oklahoma
Hickman, Wayne	EE		* † Benton
Hicks, Chester Winslow	MEsp (SS)		* † Fairmount
Hicks, George Mayhew	C&L	44	* † Washington, D. C.
Hicks, Mrs. Helen Evelyn	LAS	59	* † Glencoe
Hicks, Mary Ella	SS	54	* † Macomb
Hicks, Philip Edward	LAS	8	* † Huntsville, Missouri
Hicks, Reon Darius	Agr		* † Columbia, Missouri
Hicks, Vivian Elizabeth	LAS	100½	* † Macomb
Hicks, William Ellsworth	Law	94	* † Columbia, Missouri
Hidy, Mrs. Leora Mabel	SS		* † Champaign
Hiescher, Martha Concordia	LAS	23½	* † Charleston
Hier, Ethel Lucile	LAS	64	* † Mionok
Higdon, Harold Carey	IndA	40	* † Quincy
Hisert, Geraldine D	LAS	97½	* † Kansas City, Missouri
Higgins, Frances Mary	LAS	65	* † Amboy
Higgins, Frances Ruth	Chem	34	* † Niagara Falls, New York
Higgins, Mary Clarissa	SS		* † Champaign
Higginson, Glenn Devere	SS	6½	* † Springfield
Higgs, Arthur Garfield	Law	130	* † Mt. Carmel
Higham, Ella M	EA	16	* † Harcoy
Highfill, Imogene	HELAS	63	* † St. Louis, Missouri
Highsby, William Scott	CerE	05	* † Farmer City
Highsmith, Naomi Lois	SS	34	* † Shreveport, Louisiana
Hikes, Esther Anna	LAS		* † Lawrenceville
Hildebrandt, Lois Fredrica	LAS	84	* † Chicago
Hildenbrand, Harold Lee	EE	12	* † Logansport, Indiana
Hilgard, Ernest Ropiequet	ChE		* † Onarga
Hilgard, Georgie	LAS	35	* † Belleville
Hill, Anita Lucile	LAS	78	* † Bellville
Hill, Arthur James	Ath	99	* † Miller'sville
Hill, Aubrey Deloss	ChE		* † Rochester, New York
Hill, Charles Augustus	MedP	41	* † Little Rock, Arkansas
Hill, Dick Bunker	IndA		* † Joliet
Hill, Dorothy Huntington	LAS (SS)	104	* † Oak Park
Hill, Earl Preston	AE		* † Urbana
Hill, Elmer Ivy	Bus		* † Nokomis
Hill, Fred	SS		* † Eldorado
Hill, Howard Carl	Bus		* † Culbertson, Nebraska
Hill, John Joseph	EE		* † Freeport
Hill, Maurice List	Acry		* † Cobden
Hill, Neva May	LAS		* † Chicago
Hill, Pauline Esther	LAS	57	* † Kansas City, Missouri
Hill, Richard Jackson	ForG (SS)	69	* † Hammond, Indiana
Hill, Roy Geibe	Law (SS)	107½	* † Detroit, Michigan
Hill, Sam Houston	Ath (SS)	32	* † Mt. Vernon
		73	* † Champaign

Hill, Thomas Martin	ME (SS)	40	* † Quincy
Hill, William Harry	SS		Champaign
Hillemeier, Alfred Koesner	EE	40	* † Urbana
Hillman, Irene May	SS	2½	Lanesville
Hills, Mrs. Ethyl Hutchinson	SS		Champaign
Hills, Seth Harlow	Agr		* † Rockford
Hiltbrand, Wray Franklin	Agr		* † Tonia
Hilton, Miles Elmer	Agr		* † Brownsville, Texas
Himelblau, Clara M	Bus	31	* † Chicago
Himes, Verna Beatrice	LAS	32	* † Tower Hill
Himrod, Tracy Woodward	Bus	85½	* † Waterford, Pennsylvania
Hinckley, William Bernard	LAS	79	* † Pinckneyville
Hinckley, Marjorie Squier	SS		St. Louis, Missouri
Hindle, John Russell	Agr (SS)	88	* † Peoria
Hindman, Lita Eugene	SHHEEd	100	* † Anna
Hindson, William Henry	EE		* † Monteagle, Tennessee
Hinote, Russell Charles	Ath (SS)	8	* † Chatsworth
Hintzpetter, Edward Charles	LAS		* † Kenilworth
Hippelheuser, Richard William	LAS		* † Hume
Hiraki, Yoshiro	Chem sp		† Kanayawa, Japan
Hirsch, Donald Anton	CE		* † Chicago
Hirsch, Joseph	ME		* † Chicago
Hirsch, Louis Henry	EE	35	* † Cape Girardeau, Missouri
Hirschfield, John Charles	Law P	32	* † Champaign
Hirth, Delmar Herman	Agr (SS)	97½	* † Quincy
Hiser, Nova Owalla	LAS	64	* † Cerro Gordo
Hitch, Lillian Adeline	LAS		* † Champaign
Hitt, Willis Henry	Bus	36	* † Chicago
Hitz, Kate Efen	SS		Urbana
Ho, Ching Shi	Bus		* † Kiangsi, China
Ho, Shih Feng	CE		* † Shanghai, China
Hoadley, Lyman Mortimer	CE	66	* † Tarpon Springs, Florida
Hoak, Harold Alexander	ME		* † Sterling
Hobbs, Bertha Elizabeth	LAS	65	* † West Branch, Iowa
Hobbs, Clara Idris	LAS	18	* † West Branch, Iowa
Hobbs, Wesley Stratton	ME	35	* † Chicago
Habgood, Guy	Agr	145	† Howell, Indiana
Hobson, Frank Amos	Agr	68½	* † Vincennes, Indiana
Hobt, A Watt	SS		Wellston, Ohio
Hock, Florence Genevieve	LAS		* † Oak Park
Hock, Marie Blanche	LAS		* † Oak Park
Hocking, Albert W	ME		* † Chicago
Hocking, Ashlie Reid	LAS		* † Albion
Hockman, Dwight Lawrence	EE	32	* † Xenia
Hockman, Marietta Duffy	LAS		† Havana
Hodges, Guy Earl	LAS	8	* † Joliet
Hodges, Jefferson Houston	Bus	61½	* † Orlando, Florida
Hodgin, Robert Chatfield	Flor	62	* † Richmond, Indiana
Hodson, Glendon Conley	Law	20	* † Centralia
Hoefler, Herbert	AE	71	* † Davenport, Iowa
Hoefflin, Mary Margaret	LAS	26	* † Oak Park
Hoepfner, Karl	SS	8½	† Spooner, Wisconsin
Hofer, Louis Lawrence Berthier	ChE sp		* † Victoria, Texas
Hoff, Arthur Stanley	AE (SS)	30	* † River Forest
Hoff, Robert Benjamin	Bus		* † Pekin
Hoffman, Harry Burton	Agr	123	* † Champaign
Hoffman, Herman Wesley	MinE		Chicago
Hoffman, John Brewster	SS	130½	Kewanee
Hoffman, Josephine Frances	LAS	98½	* † Spring Valley
Hoffman, Mary Margaret, A.B., 1919	MedP irr	130½	* † Urbana
Hoge, Robert Henderson	EE	34	* † Pembroke, Virginia
Hogle, Berton Mason	SS	½	Mt. Vernon, Iowa
Hogue, Leland Jamieson	EE	152½	* † Monmouth
Hoinville, John Recer	Agr	60	* † Chicago
Hokenson, Carl	ChE	63	* † Canton
Holcombe, Mrs. Helen Moffett	SS	6	Kansas City, Missouri
Holcombe, Robert Franklin	SS	7½	Topeka, Kansas
Holden, Fred Samuel	EE	18½	* † Pittsburg, Kansas
Holder, William Donald	MinE		* † Chicago
Holderman, Samuel James	LAS	23	* † Morris
Holland, Cyrus Elwood	ME		Chicago
Holland, Knight Otha	SS	16	Omaha
Holland, Mabel Ruth	LAS	33	* † Omaha
Hollem, Ruth Marie	LAS		* † Rockford
Holler, Lu Scholfield	Agr	95½	* † Marshall
Hollingshead, Thomas Elijah	Chem	109½	* † Zion
Hollingsworth, Denzil Maurice	CE	102	* † St. Louis, Missouri
Hollis, Barbara Herndon	LAS	33	* † Little Rock, Arkansas
Hollopeter, Cecil Forrest	Ath		* † Spencerville, Indiana
Hollowell, John Delos	Bus	76	* † Chicago
Hollsten, Clarence Ward	Bus		* † Joliet
Hollway, Louis Henry	SS	7½	Grand Rapids, Michigan
Holman, Roy Lester	Agr sp	51	* † Mt. Carroll
Holmboe, Erling	CE	26½	* † Iron Mountain, Michigan
Holmes, Andrew Welwood	Ath (SS)	50½	* † Chicago
Holmes, Claude Ernest	Agr	84½	* † Lindenwood

Holmes, Glenn Thomas	SS	6½	Freeport
Holmes, Herman Edward	Arch		* † Oklahoma City, Oklahoma
Holmes, John Kenneth	ME	71	* † Danville
Holmes, Leslie Arnold	LAS		* † Freeport
Holmes, Lloyd Victor	Arch	35	* † Williamsport, Indiana
Holmes, Mildred L. Leuella	LAS (SS)	99½	* † Chicago
Holmes, Wendel Francis	MedP		* † Stewardson
Holmgren, Irving Joel	IndA	69	* † Eganston
Holsapple, Coen Edward	Ed		* † Toledo
Holsinger, Wallace King	LG	24	* † Rosedale, Kansas
Holst, William Henry	LAS	70	* † Granite City
Holston, James Benjamin	EE	72	* † Nashville
Holston, Laurence Leland	LawP	27	* † Nashville
Holt, Elbert Donald	ChE		* † Urbana
Holt, Elisabeth Warner	HELAS	107	* † Chicago
Holt, Jonathan Robert	Bus		* † Urbana
Holt, Lester Hampton	Bus	100	* † Wheaton
Holt, Orval C.	Agr	4½	* † Milford
Holtermann, Veta Merle	HELAS	30	* † Sadorus
Holtz, Alvin	Bus (SS)	56	* † Eoanston, Indiana
Holz, Marie Alice	LAS	27	* † Buckley
Holzberger, Glen John	CE	23	* † Hamilton, Ohio
Holzgraefe, Elmer John Carl	ME	35	* † Quincy
Holzinger, William Homer	LawP	56½	* † Annawan
Homan, Earl Wilson	AE	130	* † Kansas City, Missouri
Homocher, Adele Catherine	LAS		* † Waterloo
Hon, George Dewey	Bus	61½	* † Hon, Arkansas
Hon, Howard Leon	Accy	32	* † Grayville
Honens, John Gustavus	LAS	37	* † Sterling
Hon, Ruth	SS	6	* † Champaign
Hood, Edward Earl	LAS	27	* † Arcola
Hood, Phyllis Elinor	Bus		* † Sparta
Hood, Robert Murray	Accy		* † Lake Bluff
Hooker, Margaret	LG	59½	* † Chicago
Hoopes, Charles Oliver	Agr sp		* † Chagrin Falls, Ohio
Hoover, Arthur Francis	Bus sp	66	* † Monroezuma
Hoover, Elsie Maud	Agr		* † Veedersburg, Indiana
Hoover, Glenn Franklin	Voc sp	66	* † Morrison
Hoover, Ross Elijah	LAS	35	* † Milton
Hopkins, Harvey Childs	LAS (SS)	98	* † Urbana
Hopkins, Helen Millar	MedP	32	* † Urbana
Hopkins, James Harold	Agr	77½	* † Walnut
Hopkins, Leroy Trimble	Jnl	99	* † Walnut
Hopkins, Mary Ann	RA	8	* † East Peoria
Hopkins, Ralph Yount	MedP (SS)	53	* † Urbana
Hopping, Louis M.	EE		* † Springfield
Hopson, Hilton Cramp	Agr		* † Virden
Hopwood, Frank Hubert	CE	2½	* † Athens
Horan, Charles Raymond	LAS		* † Urbana
Hordyk, Emily Marie	AC		* † Burlington
Horn, Alfred Oswald	AE		* † Withee, Wisconsin
Horn, Harry Louis Martin	Bus	27	* † Davenport, Iowa
Horn, Howard Herman	Bus	62	* † Centralia
Horn, Reinhold William	EE	109	* † Chicago Heights
Hornback, Robert H.	Lib sp		* † Greenview
Horne, Isabella Grant, A.B., 1917	AE (SS)	107½	* † Des Moines, Iowa
Hornor, Edwin Arno	SS	4	* † Kewanee
Hornor, Helen Louise	LAS		* † Kewanee
Hornor, John Henry	Jnl (SS)	70	* † Indianapolis, Indiana
Hornor, Ruth Hermione	HELAS (SS)	88½	* † Champaign
Horning, Otha Inez	Agr	63	* † Urbana
Hornor, James David	Agr	71	* † Bismarck
Horn, Oren Glenn	Bus	77½	* † Taylorville
Horrell, Albert Josephson	Accy		* † Chicago
Harrow, Samuel Rodin	Bank	38½	* † Chicago
Horsfield, Robert W.	IndA	69	* † Champaign
Horst, Lester Richard	IndA	70½	* † Rock Island
Horton, Frank Graeff	IndA	34	* † Chicago
Horton, John Walker	LAS	31	* † Chicago
Horton, Willis Lee	LAS	34½	* † Chicago
Hosford, Amy Ruth	HELAS	69	* † Geneseo
Hosken, Bernice Colton	EE		* † Wilmette
Hoskins, Florence	EE	69	* † La Grange
Hoskinson, Edwin E.	Lib	32	* † Wellington
Hostetter, Marie Miller	SS	130½	* † Lawrence, Kansas
Hostetter, Oliver Clinton	EE	16	* † Charleston
Hotchkiss, Raymond Gale	CE	36	* † De Kalb
Hotelling, Ralph Addison	Lib	18	* † Rockford
Hottes, Flora Emily, A.B.A.M., 1918., 1919	LAS	70	* † Urbana
Hottinger, Helen June	MedP	30	* † Muncie, Indiana
Hotz, Carl Julius Henry	SS	83½	* † Marissa
Hotz, John William	SS	8½	* † Marissa
Houck, Dorothy Dudley	MedP		* † Dixon, Missouri
Hough, Marvin Noel	Mus	62	* † Eflingham
Hougham, Ethel Beatrice	LAS		* † Brllflower
Houghton, Arthur Vincent	LAS		* † Patterson

Houghton, Leatha Lillian	LAS	98	* † Peoria
Houk, Merwin Douthett	Jnl		* † Urbana
House, Byron Orvil	LAS		* † Nashville
House, Leona Pearl, A.B., 1898	Mus irr		* † Champaign
Houser, John William	EE	33	* † Desloge, Missouri
Housh, Charles Nelson	Agr		* † Tulsa, Oklahoma
Houston, Raymond Woodard	SS	8	* † Ryan, Iowa
Houston, Waverly Isabelle	LAS	60	* † Vandalia
Hovey, Alfred Dominicus	Bus (SS)	55½	* † Nokomis
Hovey, Russell Wilson, B. S., 1921	SS	158½	* † Capron
Howard, Charles Girard, A.B., 1920	Law	55	* † Oakwood
Howard, Claud Earl	SS	82½	* † Burket, Indiana
Howard, Clifford Walter	Bus	30	* † Jamestown, New York
Howard, Daniel Orson	Bus	109	* † Champaign
Howard, Frank Swan	CerE	37	* † Aurora
Howard, John Carver	EE	117½	* † Champaign
Howard, Mabelle Lorraine	LG	111	* † LeRoy
Howard, Merle Auvern	HEAgr		* † Urbana
Howard, Philip Joseph	CE		* † Elgin
Howarth, Ralph Edicon	LawP		* † Bryant
Howe, Carleton Gibson	Agr	102	* † Dorset, Vermont
Howe, Dorothy Esther	LG	69½	* † Urbana
Howe, Eleanor	HEAgr	107½	* † Homewood
Howe, Frederick King	CE	79	* † Downers Grove
Howe, Harriet	SS	38½	* † Urbana
Howe, Herbert Lufbery	ME		* † Kankakee
Howe, John Edward	ME		* † Kankakee
Howe, Robert F	Law		* † Chicago
Howe, Roscoe Leland	Agr	63	* † Mansfield
Howe, William Harper	Ath	1½	* † Kankakee
Howell, Francis McMurtrie	SS		* † Evanston
Howell, Floyd	Agr		* † Galesburg
Howell, Oliver Willis	Bus	64	* † Arthur
Howells, Joseph Henry	LAS		* † Kankakee
Howe, Maxwell Martin	Bus		* † Muskegon, Michigan
Howie, John Lloyd	EE	107	* † Chicago
Howland, Walter William	C&L		* † Chicago
Howorth, Edmund Briggs	Law	27	* † Chester
Hoy, Robert Benjamin	CE	6½	* † Oak Park
Hoyt, Charles B	SS		* † Grinnell, Iowa
Hoyt, Orville Lee	Ath		* † Trenton
Hsiu, Hsien Dzoh	Agr (SS)	31	* † Changsha, China
Hsu, Dung Bei	ChE (SS)	62	* † Shanghai, China
Hsu, Kwaufu Weiman	LAS	130½	* † Shanghai, China
Hsu, Wellington Shang	Agr	99	* † Shanghai, China
Hu, Tsu Chan	ForC (SS)	35	* † Moukden, China
Hubbard, Karl Hammond	EngPh	70	* † Quincy
Hubbard, Paul Henry	Jnl (SS)	98½	* † Lincoln
Hubbard, Ruth Frances	LAS	60	* † Urbana
Hubbell, Edward Lawrence	Arch	130	* † Davenport, Iowa
Hubler, John Corneions	Agr		* † Chicago
Huck, Ralph Francis	LAS		* † Quincy
Hucker, Aneta	Jnl		* † Antioch
Huckins, Donald Sinclair	Agr	26	* † Kankakee
Huckins, George	MinE		* † Kankakee
Huddle, Orlando Earheart	SS		* † Bowling Green, Kentucky
Hudelson, Jane Elizabeth	LAS		* † Chicago
Hudgens, Elsia Alela	HELAS	104½	* † Johnston City
Hudson, Ellen Charlton	LAS		* † Logansport, Indiana
Hudson, Georgiana Hall	LAS	53	* † Logansport, Indiana
Hudson, Grace Marie	HEAgr	28	* † Urbana
Hudson, James Edward	MSE (SS)	13	* † Galva
Hudson, James Rollan	Agr	101	* † Springfield
Huegy, Harvey Wilborn	Bus		* † Highland
Huff, Clyde Everet	C&L (SS)	62	* † Jamaica
Huff, Helen Elizabeth	LG (SS)	98	* † Champaign
Huffer, Enos George	Agr (SS)	92	* † Urbana
Huffer, Flossie Minnie	HEAgr	34	* † Urbana
Huffington, Paul	SS	62½	* † Normal
Huffman, Lester C	Agr	25½	* † Harrisburg
Hug, Gladys Louise	LAS	33	* † Highland
Huggans, Edith Reeder	LAS		* † Streator
Huggans, Margaret Lois	LAS		* † Streator
Hugh, John Hermann	For esp (SS)	32	* † Peoria
Hughes, Alberta	SS	130½	* † Sullivan
Hughes, Charles Talton	SS	6½	* † Repton, Kentucky
Hughes, Harold Fred	C&L		* † Stroud, Oklahoma
Hughes, Helen Howard	LAS		* † Urbana
Hughes, Kathryn Howard	Mus	91½	* † Urbana
Hughes, Merlin Wells	CE		* † Crystal Lake
Hughes, Morris Nelson	Bus	91½	* † Champaign
Hughes, Russell R	ForC	27	* † Harvey
Hughes, Seth Morrison	Bus		* † Tulsa, Oklahoma
Hughes, Sherman Kelso	Bus	25	* † Champaign
Hughes, William Leonard	SS	9½	* † Ong, Nebraska
Hughes, Mrs. William Leonard	SS	6	* † Lexington, Nebraska

Hughitt, Anna Lue	LAS	28	†	Escanaba, Michigan
Hugle, Beverly Sawyer	Bus		†	Oak Park
Hulick, Claude Otis	MedP	24½	†	East St. Louis
Hull, James Montgomery	Agr	41	†	Urbana
Hull, Mabel Ruth	HELAS	31	†	Urbana
Hull, Ted Gordon	LAS		†	Clinton
Hull, Thomas Clinton	Bus	08½	†	Wheaton
Hull, Victor Hugo	Jnl		†	Chicago
Hullfish, Henry Gordon	SS	148½	†	Washington, D. C.
Hullinger, Dorothy Lucille	Bus		†	Chicago
Hulsebus, Gretchen Ruth	Jnl		†	Peoria
Humphrey, Arthur Cole	Bus (SS)		†	St. Louis, Missouri
Humphrey, Evelyn Myrtle	Bus	31	†	Wilmette
Humphrey, Mary Louise	LAS	32	†	St. Louis, Missouri
Humphreys, John Patrick	LAS		†	Chicago
Humphreys, Vivian Naomi Robertson	LAS		†	Linton, Indiana
Humrichouser, Carol	LAS sp		†	Plymouth, Indiana
Humrichouse, Gladys	LAS	79½	†	St. Joseph
Hunolt, Domitilla	LAS (SS)	37½	†	Edina, Missouri
Hunt, Dorothy Kimball	LAS	07½	†	Oshkosh, Wisconsin
Hunt, Edith Irene	HELAS	35	†	Marshall
Hunt, Florence Ann	LAS		†	Urbana
Hunt, Howard Leroy	Agr		†	Sparland
Hunt, Kenneth	Agr	03½	†	Roodhouse
Hunt, Leonard Garland	IndA (SS)	88½	†	Springfield
Hunt, Mahlon Charles	SS	15	†	Noblesville, Indiana
Hunt, Millard Herbert	Eng		†	Morris
Hunt, Nellie Frances	LAS	67	†	Marshall
Hunt, Stanley Browne	EE		†	DeKalb
Hunt, Wiley Emery	Bus	70	†	Gibson City
Hunt, William Clare	ForC	61	†	Wheaton
Hunter, Mrs. Frances Anne	SS	8½	†	Normanna, Texas
Hunter, George William	Bus	24	†	Fairfield
Hunter, Harold Leslie	IndA	85½	†	Peotum
Hunter, Oscar Lee	Bank	99½	†	Shawnee, Oklahoma
Hunter, Paul Edward	CerE		†	Pawhuska, Oklahoma
Huntington, Bertha May	Accy	32	†	Urbana
Huntington, Harold Allen	Ind Ed (SS)	121	†	Urbana
Huntington, Mary Louisa	LAS	32	†	Ladoga, Indiana
Huntington, Myra Belle	HELAS	30	†	Chicago
Huntley, Cecil Russell	CE		†	Pontiac
Huntley, Otto Ershine	SS		†	Holland, Michigan
Huntoon, Gail Marjory	LAS	60	†	Rock Island
Huntoon, Jean Inez	LAS		†	Rock Island
Hurd, Burton Cannon	Bus	30	†	El Paso
Hurd, Edwin Charles	CE	37½	†	Indianapolis, Indiana
Hurd, Mason Montraville	Law		†	Williamsport, Maryland
Hurley, Paul O'Neill	SS	6½	†	West La Fayette, Indiana
Hurst, John Wildeboor, B.S., 1921	SS		†	Garden City, Missouri
Hurt, Edwin Fred	Bus	101½	†	Oak Park
Hurwitz, Aaron	Jnl	20	†	Wilno, Poland
Huse, Esther	LAS	82½	†	Manchester, New Hampshire
Hust, George William	IndA (SS)	60½	†	Chicago
Husted, Granger	IndA	61	†	Zion City
Huston, Charles Barclay	Agr		†	Roseville
Hutchins, Frank Hilliard	Bank	38	†	Urbana
Hutchins, Lucius Lester	LAS		†	White Hall
Hutchinson, Donald Warner	IndA		†	Chicago
Hutchinson, John Theodore	CerE	58½	†	Carbon
Hutchinson, Lowell	Bus	47	†	Arlington, Indiana
Hutson, Ed Francis	SS	6	†	Fowler, Indiana
Hutson, Noble Eugene	ChE	26½	†	Urbana
Hutson, Pearl Rea	LAS sp		†	Urbana
Hutton, Eugene Harold	Agr	98	†	Charleston
Hutton, Irwin Charles	CE		†	Gillespie
Huxel, Charles Joseph	Agr (SS)	122½	†	Granite City
Huxham, Harold Hanniford	Ath	21½	†	River Forest
Hwang, Chung Su	SS	143½	†	Nanking, China
Hyde, Arthur Dwight	MinE	30	†	Joliet
Hyde, Paul Adams	Bus	30½	†	Malone, New York
Hyde, Rosa Kate	Mus sp (SS)	32½	†	Champaign
Hyland, Christine Barbara	Ed	99	†	Maplewood, Missouri
Hyle, Kenyon Athling	Chem	125½	†	White Hall
Hyster, Frances Willard	LG	27	†	Oklahoma City, Oklahoma
Iben, Richard	AE	104	†	Peoria
Icenogle, Carus Stanley	Law	20	†	Mattoon
Ide, Agnes Dorothy	LAS	98	†	Creston, Iowa
Iftner, George Henry	Agr	97	†	Pittsfield
Ikehara, Gisei	AE		†	Los Angeles, California
Illyes, Clifford Raymond	SS	155	†	Atlanta, Indiana
Illyes, Frances Mary	LAS	19	†	Palestine
Imlay, Robert John	LG	64½	†	Zanesville, Ohio
Ingle, Willis Hilliary	Bus	16	†	Saybrook
Ingold, Arthur Johnson, Jr.	ME	105½	†	Appleton, Wisconsin
Ingram, Mildred Laura	Jnl		†	Grady, Arkansas
Ingram, Robert Paul	IndA	54½	†	Chicago

Ingram, William Coy	LawP	26	* † Kinmundy
Ingwersen, Philip Augustin	Agr	97	* † Chicago
Ingwersen, Richard Castle	EE	19	* Chicago
Inman, James Edward	CE		* † Chicago
Innes, David Hanson	CerE	35	* † Chicago
Innis, Charles Albert	LAS sp		† Belleflower
Ireland, Invaline Inez	SS	8½	† Vandalia
Irvin, Ernest Fletcher	SS		† Illiopolis
Irvine, Edward Thomas	ForC	30	* † Zion City
Irwin, Howard Emsley	Arch	04½	* † Quincy
Irwin, Nelson Janzes	Ath		* † Elnora
Isaacs, Edward Martin	Agr		* † Chicago
Iseberg, Meyer Albert	IndA	70¾	* † Chicago
Isenberger, Robert Orien	Arch		* † Chicago
Isenberg, Oscar Fred	Bus		* † Baraboo, Wisconsin
Ishhart, Laurence Francis	LAS	64½	* † Mt. Carroll
Ismail, Syed Mohamad	EE	28½	* † Jhanabad, India
Israel, Kathryn	ComT	33	* † Shelbyville, Indiana
Iungerich, Viola	LAS	58	* † Champaign
Ives, Joseph Thomas	MinE		* † Delphi, Indiana
Izzard, Wesley Sherman	Jnl	70¾	* † Independence
Jack, Elmer Simmons	Agr	105	* † Wadsworth
Jack, John Marshall	CE	103¾	* † Wadsworth
Jack, Mary Louise	LAS	30	* † Wadsworth
Jack, Morris Stanley	Agr (SS)	02½	* † Wadsworth
Jack, William Ralston	FOM	73¾	* † Springfield
Jackel, Herbert Arthur	ME	25	* † Chicago
Jackman, Warren Seth	Jnl	90½	* † Elgin
Jackson, Andrew Stokes	SS	130½	† Champaign
Jackson, Arthur Mells	SS	0½	† Champaign
Jackson, Charlotte	HEAgr	34	* † Oblong
Jackson, Clifford Lawrence	Bus (SS)	86¾	* † Berwyn
Jackson, Ernest Theodore	SS	115	† Odin
Jackson, Euris	SS	25	† Tallulla
Jackson, Jerry Tyler	EE	20½	* † Algonia
Jackson, Mrs. Myrna Lois	Mus (SS)		* † Manteno
Jackson, Richard Willet	SS	15¾	† Eureka
Jackson, Russell Raymond	EE	85½	* † Finley
Jackson, Walter Henry	MinE (SS)	62½	* † Toulon
Jackson, Wilton Walthan	MedP		* † Washington, D. C.
Jackson, Zerny Monroe	LAS		* † Urbana
Jacobi, Arthur	Jnl		* † Oak Park
Jacobs, Frank Douglas, Jr.	MedP		* † Trivoli
Jacobs, Glenn	Ath		* † Greeley, Colorado
Jacobs, Margaret Caroline	LAS		† Chicago
Jacobs, Margaret K	LAS		† Chicago
Jacobs, Russell Lawrence	MinE (SS)	39	* † Chicago
Jacobsen, Earl Bernard	IndA sp	38	* † Kenosha, Wisconsin
Jacobsen, Helen Anne	Bus		* † Chicago
Jacobson, Carl Clifford	ME	102¾	* † Champaign
Jame, Lawrence Allan	Bus	13	* † Terre Haute, Indiana
James, Hallie Mae	HELAS	32	* † Champaign
James, Harold Lewis	Bus (SS)	3	* † Canton
James, Harold Thomas	Bus	30	* † Seymour, Indiana
James, Margaret Crull	LAS	55	* † Indianapolis, Indiana
James, Mary	LAS	60	* † Eureka
James, Rode Madison	LAS		* † Salem
James, Thomas Melville	Bus		* † East St. Louis
James, Walter Franklyn	MedP sp (SS)	37	* † Champaign
Jamias, Luis Edralia	SS	27	* † Sarrat, Philippine Islands
Jamieson, Gilbert	Bus		* † Moline
Jamison, Dan DeWitt	Bus		* † Danville
Jamison, David Newton	Jnl	116½	* † Burlington, Iowa
Jamison, Gordon	LawP		* † Scotland
Jamison, Virginia Lee	LAS		* † Chicago
Jandes, August William	Acey		* † St. Louis, Missouri
Janes, Milo	AE	64¾	* † La Fayette
Janowski, Joseph	Bus	30¾	* † Tulsa, Oklahoma
Janowitz, Rose Harriette	Jnl	31	* † Waukegan
Jansen, Herbert Daniel	Arch	34	* † Oshkosh, Wisconsin
Jansen, James Nathan	IndA	01	* † Pekin
Jansen, Ruth Evelyn	Mus (SS)	32	* † Kankakee
Janssen, Herman Gerard	Agr	30	* † Chicago
Janssen, Julius Ingwer	Bus	34½	* † Sterling
Janssen, Rolla	Voc Vsp		* † Mt. Vernon
Jansson, Martin Ernest	CE	76	* † Chicago
Janz, Arthur William	IndA	78¾	* † Peru
Jardine, Helen	LAS		* † Belvidere
Jardine, Ray	EE	47¾	* † Spring Valley, Minnesota
Jarrett, Harry William	Voc Vsp	36	* † New Berlin
Jasinski, Romuald Felix	CE		* † Chicago
Jaskowski, Roman Anthony	EE		* † La Salle
Javier, Pedro Villamuena	CE		* † Quinquia, Philippine Islands
Jayne, Nina Zoe	SS	35½	† Wheaton
Jean, Millard	EE		* † Robinson
Jeffers, Adrienne	Mus	33	* † Urbana

Jeffers, John Dewey	Arch	82 $\frac{2}{3}$	* †	Oklahoma City, Oklahoma
Jeffery, Barrett John	EE		* †	Lowell, Arizona
Jenkins, Helen	LAS		* †	Denver, Colorado
Jenkins, Lyman Hall, A.B., 1921	SS	133	*	Carthage
Jenks, Clarence William	Bus		*	Wauconda
Jenner, Henry Harlan	Agr	31 $\frac{1}{2}$	*	Pocahontas
Jennings, Forrest Harmon	LG	107	*	Mason City, Iowa
Jennings, William Samuel	AE		*	Davenport, Iowa
Jensen, Elizabeth Caroline	HELAS	28	*	Momence
Jensen, Harry Martin	Bus	2	*	Chicago
Jensen, Henry Milton	Bus	51	*	Timetwell
Jensen, Siegert Amanual	ME	72	*	Dwight
Jensen, Gerhard Olaus	Bus		*	Edgerton, Wisconsin
Jentszsch, Walter Hans	ForC		*	Chicago
Jessen, Clifford Twilstedgaard	Agr	65 $\frac{1}{2}$	*	Alto Pass
Jewell, Edward Clinton Scott	Bus	7	*	Chicago
Jewell, William Ray	EE	37	*	Danville
Jewett, Joseph Eugene	CE	75	*	Kansas City, Missouri
Jimenez, Jose T	Agr (SS)	33	*	Newwa, Philippine Islands
Jo, Kiichi	ChE (SS)	67 $\frac{2}{3}$	*	Honokaa, Hawaii
Jobst, Chester Albert	Law	24	*	Chicago
Joedicke, Louis Charles	ChE		*	Waterloo
Joern, Henry Albert	Eng	32	*	Chicago
Joffe, Morris Howard	ChE (SS)	112	* †	Chicago
Johns, Harold Byron	ChE	107 $\frac{2}{3}$	*	Oak Park
Johns, Harry Alfred	Eng (SS)	73	*	Kankakee
Johns, Harry Corwin	LAS	65 $\frac{2}{3}$	*	Ellery
Johns, Ralph Stanley	Chem		*	Oak Park
Johns, William Louis	Agr		*	Rockford
Johnsen, Hans Christian	CE	123 $\frac{1}{2}$	*	Chicago
Johnson, Adelaide Lumina	LAS		*	Divernon
Johnson, Arthur	Arch	18	*	Marshall
Johnson, Frances Alberta	LAS		*	Urbana
Johnson, Arthur Gunner	Bus (SS)	7 $\frac{1}{3}$	*	Urbana
Johnson, Carl Lester	Bank (SS)	50 $\frac{1}{2}$	*	Mt. Vernon
Johnson, Charles Theodore	Bus		*	Chicago
Johnson, Clara Loys	Jnl		*	Oak Park
Johnson, Clare Alda	Bus	45	* †	Kalamazoo, Michigan
Johnson, Claude Francis	ME	57	* †	South Haven, Michigan
Johnson, Clinton Goodloe	Flor	81	*	Danville
Johnson, Dewey Woodruff	CE	103 $\frac{5}{8}$	* †	Marshall
Johnson, Edgar Jerome	ForC	113	*	Orion
Johnson, Edward Norman	Voc Vsp (SS)	48	* †	Galesburg
Johnson, Elmer	LawP	8	* †	Wayne City
Johnson, Elmer Albert	CE	108 $\frac{2}{3}$	* †	Rock Island
Johnson, Elmer Thomas	SS	137 $\frac{5}{8}$	*	Rockford
Johnson, Emil Balder	ME	58 $\frac{2}{3}$	* †	Crystal Lake
Johnson, Ernest Clayton, Jr.	MinE (SS)	52 $\frac{1}{2}$	* †	Champaign
Johnson, Evelyn Charlotte Briette	LAS	100	*	Chicago
Johnson, Fay Warren	Law	72	*	Sidney
Johnson, Florence Ida	LAS	100 $\frac{1}{2}$	*	Chicago
Johnson, Franklin Pitcher	Agr	32	*	St. Louis, Missouri
Johnson, Fred	Agr sp	8	*	Chicago
Johnson, George Dillon	Bus	31	*	Danville
Johnson, Gustaf Adolph	CerE	42	* †	Bloomington
Johnson, Hannah O	LAS	66	* †	Chicago
Johnson, Harold Axel	CE		* †	Rock Island
Johnson, Harry Benjamin	IndA	68	*	Champaign
Johnson, Harry Edward	ME	114	*	Omaha, Nebraska
Johnson, Helen Martha	LAS	30	*	Champaign
Johnson, Helen W	LAS	22	*	Champaign
Johnson, Hjalmar William	MinE	125 $\frac{1}{3}$	* †	Joliet
Johnson, Horace Merrill	ME		* †	Chicago
Johnson, Irma Naomi	LAS	31	* †	Orion
Johnson, Irwin Ezra	SS	7	*	Rushford, New York
Johnson, James Francis	Agr	65	* †	Warsaw
Johnson, James Leroy	MedP (SS)	3	* †	Mt. Vernon
Johnson, John Robert	Bus	13	* †	Mattoon
Johnson, John Sigurd	Bus sp		* †	Orange, Massachusetts
Johnson, Katherine Helena	LAS	97	* †	Galesburg
Johnson, Leland Taylor	LAS (SS)	58	* †	Urbana
Johnson, Lowell Norman	Bus	74	* †	Moline
Johnson, Lucy Ellen	LAS	33	* †	Pana
Johnson, Otis Floyd	Arch	124	* †	West Point, Indiana
Johnson, Paul La Forest	Eng	70	* †	Los Angeles, California
Johnson, Peter Raymond	Bus		* †	Oak Park
Johnson, Raymond Gustaves	AE	8	* †	Moline
Johnson, Russell Harold	Ed (SS)	96	* †	Moline
Johnson, Thomas Peirce	Bus	52 $\frac{2}{3}$	*	Homer
Johnson, Walter Emanuel	IndA	39	* †	Champaign
Johnson, Walter John	ME sp	4	* †	Peoria
Johnson, Walter Ryerson	LAS	36	* †	Divernon
Johnson, Warren Edward	SS	5	*	Bloomington
Johnson, Warren Hoff	Flor	103	* †	Kendallville, Indiana
Johnson, Wilbur Eliher	LawP	17	* †	Rockford
Johnson, William Daniel	Bus		*	Louisville, Kentucky

Johnsos, Raymond Dorthius	ChE		* † Chicago
Johnston, Bennett	Bus		* † Chicago
Johnston, Charles Ralph	LawP		* † Chicago
Johnston, Clarence Lee	Agr	90%	* † Champaign
Johnston, George Seely	Bus	25	* † Champaign
Johnston, Hazen Henry	SS	141	* † Ft. Wayne, Indiana
Johnston, John Maclin	SS	9	* † Nashville, Tennessee
Johnston, Joseph Edwin	Bus	27	* † Chicago
Johnsotn, Natalie Robinson	SS		* † Shelbyville, Kentucky
Johnston, Odien Kurtz	Bus		* † Rocky Ford, Colorado
Johnston, Perry Floyd	Bus	31	* † Sibley
Johnston, Ralph English	CE	21	* † Chicago
Johnston, Robert Jordan	Agr	93½	* † Pontiac
Johannott, Grace Marie	HELAS (SS)	38½	* † Champaign
Jolley, Geraldine Marie	Mus		* † North Chicago
Jones, Arthur Sherwood	Agr	47	* † Tuscola
Jones, Benjamin Milton	Agr (SS)	15½	* † Humboldt, Kansas
Jones, Carl Delmar	FOM	87	* † Midland City
Jones, Christine Elizabeth	Ed	64½	* † Muncie, Indiana
Jones, Delmar Lee	Agr	72	* † Bloomington
Jones, Dorothy Evans	LAS		* † Egan
Jones, Elbert Abner	ChE	60	* † Kenilworth
Jones, Glenn Abiah	ChE	21	* † Medina, New York
Jones, Gomer Beane	Arch	32	* † Egan
Jones, Harris William	CE		* † Johnston City
Jones, Harry Hugh	SS	8	* † Carmi
Jones, Herbert Richard	IndA	51	* † East Chicago, Indiana
Jones, Howard Lewis	LAS	81	* † Sidel
Jones, James Knox	Bus	54½	* † Wayne, Nebraska
Jones, John Calvin	SS		* † Moody, Texas
Jones, John Howard	Bus		* † Kenilworth
Jones, John W	AE		* † Urbana
Jones, Lawrence Martin	LAS		* † Oak Park
Jones, Lilla Maurine	LAS		* † Urbana
Jones, Llewellyn	ME	93	* † Vici, Oklahoma
Jones, Marvel Armored	LAS	61	* † Urbana
Jones, Mary Emily	LAS (SS)	97	* † Amboy
Jones, Mary Jane	LAS	64¾	* † Chicago
Jones, Maurice Leigh	Jnl (SS)	100	* † Johnston City
Jones, Merle Warren	Agr		* † Ridge Farm
Jones, Ralph Coughenour	Bus	111	* † Urbana
Jones, Ralph Merton	Agr		* † Urbana
Jones, Raymond Lewis	ChE	27	* † Grayslake
Jones, Robert Moore	LAS	77	* † Michigan City, Indiana
Jones, Sherman	Agr sp (SS)	2½	* † Chicago
Jones, Thornton Price	CE	36	* † Pinckneyville
Jones, Verne Harold	MedP		* † Williamsville
Jones, Vernie Allen	SS	24½	* † Bicknell, Indiana
Jones, Vivian Myfanwy	LAS (SS)	117	* † Willow Hill
Jones, Walter Spencer	ME	134	* † Aurora
Jones, William Archie	ME	29	* † Chicago
Jones, Willim Martin	ME		* † Carriers Mills
Jordan, Byron Henry	Bus	90	* † Pilla Grove
Jordan, Clarence Levi	SS	40	* † Elkhart, Indiana
Jordan, Donald Voorhees	MedP	56½	* † Mt. Carmel
Jordan Harold Emory	LAS (SS)	77%	* † Chicago
Jordan, Jerome J	AC		* † Minneapolis, Minnesota
Jordan, Julien	ME	32	* † Clinton
Jordan, Kenneth Dunham	Agr		* † Chicago
Jordan, Obed J	SS	7½	* † Chenoa
Jordan, William Carleton	Bus		* † Freeport, Kansas
Jorden, Myrtle May	LAS	28	* † Palestine
Joseph, Effie Catherine	LAS	70½	* † Sesser
Joseph, Glenn Howe	ChE (SS)	107%	* † Hayden, Indiana
Joshi, Anant Keshao	Chem (SS)	29	* † Tuscola
Joy, Philip Wickware	CE	5	* † Bombay, India
Joyner, Louise	LAS	67	* † Chicago
Juckett, Harold F	Law sp		* † Harrisburg
Judah, Charles Burnet, Jr.	LAS	31	* † Hot Springs, South Dakota
Judd, Alice Gertrude	LAS	33	* † Vincennes, Indiana
Judd, Florence Ruth	Bus sp	12	* † Chicago
Judd, Wesley Thomas	Eng		* † Kankakee
Judson, Bertha R	Ed		* † Sugar Grove
Judson, James Edward	SHAEd	106¾	* † Chicago
Judy, Viola Elizabeth	LAS	103¾	* † Bristol, Indiana
Julien, Estelle Maude	LAS	131	* † Potomac
Julien, Marie Louise	LAS		* † Sheldon
Jung, Frederick William	Chem	35	* † Sheldon
Jungell, Emil Vernon	LAS		* † Woodstock
Jungmann, Harold Leon	ChE	63	* † Chicago
Jurd, Samuel Owen	LAS		* † St. Louis, Missouri
Justin, James E	Bus		* † Champaign
Jutkins, Clarence Emig	ME		* † Smithville, Missouri
Kabbes, Sarah Madonna	Accy		* † Champaign
Kadison, Barnett	Accy	43	* † Champaign
Kadyk, David James, A.B., 1919	Law	66	* † Chicago
			* † Fulton

Kadyk, John Claudius	Bus	100	* †	Fulton
Kaemper, Ernest Fred	ME	61	* †	East St. Louis
Kagy, Leigh Monroe	Law		* †	Salem
Kahn, Kathryn	LAS		* †	Chicago
Kahoun, John Anton	LAS	15	* †	Chicago
Kaiser, Paul William	Bus	113½	* †	Chicago
Kalish, Sidney	Bus		* †	Chicago
Kallas, James George	Agr	98½	* †	Chicago
Kamm, Blanche Vivian	LAS	33	* †	Atwood
Kammermann, Clarence	Law	61	* †	Forrest
Kandelin, Leonard Matthew	Eng		* †	Ishpeming, Michigan
Kane, Catherine Mary	LAS		* †	Champaign
Kang, Mien Hwa	ChE (SS)	20	* †	Hunan, China
Kanter, Charles	MedP	31	* †	Chicago
Kaplan, Hyman Joseph	MedP		* †	Lima, Ohio
Kappenmacher, Jerome	ForC	35	* †	Chicago
Kapple, Ivan Maurer	Bus	35	* †	Chicago
Karabin, Andrew Leroy	MedP	0	* †	Chicago
Karcher, Raymond Andrew	Bus		* †	Little Rock, Arkansas
Karnahan, Hazel Clare	SS	73		Gillespie
Karnes, Thomas Donald	Ath		* †	Fairbury
Karraker, Zelma Zenobia	SHHEEd	60	* †	Jonesboro
Karrenbrock, Wilbert Eugene	Bus		* †	New Melle, Missouri
Kartman, Benjamin	Jnl	66	* †	Chicago
Kashin, Boris Leonidovich	Min E sp (SS)	8	* †	Vladivostok, Siberia
Kassel, John Henry Leslie	Bus	30	* †	Evanston
Kataria, Karam Chand	Bank		* †	Karamoon, India
Katti, Muppauna Chanavirappa T	Chem		* †	Tiptur, India
Katz, Solomon	MedP	2	* †	Bayonne, New Jersey
Kaufman, Samuel	Jnl	47		Bayonne, New Jersey
Kaufman, Stanley Louis	LAS (SS)	107	* †	Champaign
Kavanaugh, Lurine Alice	LAS		* †	Niagara Falls, New York
Kawai, Hajme	SS	8		Ogaki, Japan
Keach, Guy Elston	Bus (SS)	42	* †	Casey
Keach, Vernice Eva	HELAS (SS)	69½	* †	Casey
Kearney, Dunphy	MedP		* †	Chicago
Keckickian, Messiah	LawP		* †	Racine, Wisconsin
Keele, Harold Marquiss	LAS	69	* †	Monticello
Keeler, Otis	SS	25		Brownstown
Keeler, Theodosia J	LAS	68	* †	Earlville
Keenan, James Sargent	Bus	30	* †	Le Roy
Keeney, Herman Fletcher	MedP (SS)	8	* †	Callin
Kehart, Martin William	CE		* †	Benld
Kehl, Charlotte Ellen	LAS	4½	* †	Sandwich
Keim, Edwin Emmert	Agr	33	* †	Mt. Carroll
Keith, John Alling	LAS	34	* †	Kenilworth
Keith, Lloyd Wesley	SS	20½		Mt. Pleasant, Iowa
Kell, Gladys	SS	8		Kell
Keller, George Ernest	ChE	105½	* †	Jonesboro
Kelley, Fannie	LAS	104	* †	Marion
Kelley, Harry William	Law		* †	Glen Ellyn
Kelley, Marion Elizabeth	HELAS		* †	Chicago
Kelley, Mildred	LAS		* †	Marion
Kelley, Victor Wendell, B.S., 1921	SS	135½		Fairfield
Kellogg, Elaine Josephine	LAS	101	* †	Chicago
Kelly, Baldwin Nathan	Agr		* †	Pittsfield
Kelly, Charles Holland	IndA	104	* †	Bryan Ohio
Kelly, Floribel Hargett	LAS		* †	Oskaloosa, Iowa
Kelly, Helen Rhoda	LAS		* †	Urbana
Kelly, Joseph Sherman	Bus	104	* †	Wateka
Kelly, Margaret Katherine	Bus	70½	* †	Oak Park
Kelly, Maybra M	SS	3		Centralia
Kelly, Thomas Gordon	IndA		* †	Rushville
Kelsey, Robert Moffat	SS	2½		Plainfield, Indiana
Kelsheimer, Eugene Gillespy	Agr	64	* †	Paris
Kelso, Corinne Marie	LAS	70	* †	Glendale, California
Kemp, Dewey Walter	Bus	71	* †	Champaign
Kemp, Ellis Wayne	Agr	27	* †	Wenona
Kemp, Katharine	Ed	95½	* †	Paxton
Kemp, Wendell Walter	CE		* †	Wenona
Kempton, Joseph Glenn	Accy		* †	Richmond, Indiana
Kendall, David Alden	AE	72	* †	Peoria
Kendall, Donald Francis	Bus		* †	Elgin
Kendall, Forrest Everett, B.S., 1921	SS	153½		Victoria
Kendall, Irene	Chem	67	* †	Metcalf
Kendall, Richard George	EE	43	* †	Chicago
Kendrick, Merritt Irwin	Agr	35	* †	New Canton
Kennedy, Arabelle Bruce	SS	7		New Orleans, Louisiana
Kennedy, Clyde Sparks	Bus		* †	Freeport
Kennedy, Earl Vix	SS	4		Metropolis
Kennedy, Fletcher Fisher	ME	37	* †	Springfield
Kennedy, Gladys Jones	Mus	65	* †	Morrison
Kennedy, William George	EE		* †	Urbana
Kenney, Henry Fletcher	LG	96	* †	Nicholasville, Kentucky
Kenney, John Harvey	ForC	78	* †	Champaign
Kenney, Mahlon Wesley	EE	72	* †	Loda

Kennedy, John Walter	Bus		* † Mattoon
Kenny, Herbert M	Bus	94½	* † Champaign
Kent, John Paul	CE	32	* † Palestine
Kent, Richard Eugene, B.Mus., 1921	Mus irr	133½	* † Champaign
Kepler, Kate Susan, B.A., 1908	Lib	32	* † Ashland, Wisconsin
Kepler, Thomas Samuel	SS		* † Waterloo, Iowa
Kepley, Leona Ella	LAS	33	* † Greenville
Kerchenfant, Edith M	SS	8½	* † Gibson City
Kerchner, Delbert Harlan	LAS	70	* † Freeport
Kerchner, Russell Marion	EE	107½	* † Belleville
Kern, Dorothea Estell	LG	101	* † Champaign
Kern, Helen Carol	HELAS	8	* † Gays
Kern, Peter Daniel	EE		* † Dwight
Kerns, Arthur David	EE	117	* † Taylorville
Kerns, Earl William	Accy		* † Chicago
Kerr, Francis Xavier	Accy	31½	* † Balboa, Canal Zone
Kerr, Grover William	SS	0	* † Cisne
Kerr, Harriett Hazel	LAS	32	* † Metropolis
Kerr, Ralph	Agr	94½	* † Urbana
Kerr, Wellman Greene	Agr		* † Metropolis
Kerrigan, Edward Nicholas	ME		* † Chicago
Kerrins, John Quinn	Bus	70	* † Chatsworth
Kerrins, Joseph Arthur	Accy (SS)	107½	* † Chatsworth
Kershaw, Glenwood Haigh	IndA	120	* † Kankakee
Kertis, Emmeline Elizabeth	LAS (SS)	95½	* † Champaign
Kesel, Robert George	LAS		* † Aurora
Keslar, Francis Murray	SS	128½	* † Kennard, Indiana
Kessler, Clifford Ray	Accy	31½	* † Danville
Kessler, Irvin John	EE		* † Augusta, Kansas
Kessler, Thomas	IndA	50	* † Chicago
Ketner, Elisabeth Stebbens	Bus	60½	* † Marion, Indiana
Kettering, Mrs. Grace Joycelyn	SS	2½	* † Orion
Ketzler, Adolph Carl	Bus	91½	* † Chicago
Keusch, Edwin Frank	EE	34	* † Kansas City, Missouri
Key, George William	SS	7½	* † Idaville, Indiana
Keyes, Otis Walton	SS	24	* † Rantoul
Kibler, Clarence Trait, B.S., 1921	SS	135½	* † Sreator
Kieffer, Chester L	Jnl	62½	* † Robinson
Kienzle, Georgia Florence	SHHEAgr	34	* † St. Joseph
Kieran, William Anthony	Bus	50½	* † Danville
Kiest, Calvin Herrick	Agr	38	* † La Grange
Kiest, Herschel Orville	Accy	77	* † Lincoln
Kilbury, Gennette Fae	LAS (SS)	36½	* † St. Joseph
Kile, Lucille Faustine	LAS	95½	* † Icesdale
Kiley, Leo Robert	IndA	54½	* † Chicago
Killefer, Wickliffe Frances	Jnl		* † Urbana
Killefer, Miriam Elizabeth	HEAgr	60	* † Mattoon
Killinger, Donald William	MedP	30	* † Joliet
Killinger, Merl William	LAS sp		* † Akron, Ohio
Kimball, Elizabeth	Arch	72	* † Glencoe
Kimball, Marion Rich	LAS		* † Andover, Massachusetts
Kimbel, George William	ME		* † Louisville, Kentucky
Kimpling, Guy Henry	SS	7½	* † Noble
Kinahan, John Charles	ChE	37½	* † Milwaukee, Wisconsin
Kincaid, Herbert	Bus		* † Hume, Missouri
Kincaid, Hiram Emmons	Bus	95	* † Kansas City, Missouri
Kincaid, Jack Herbert	LAS		* † Chicago
Kinder, Arla M	SS	6½	* † Arcadia, Indiana
Kindstrom, Melvin Gustav	Bus	59½	* † Salem, South Dakota
Kindt, Harvey William	Bus		* † Chicago
King, Ameda Ruth	LAS (SS)	110	* † White Hall
King, Enoch Austin	Bus		* † Ashland
King, Herman Ray	Voc vs p		* † Xenia
King, Laurence Charles	C&L		* † Chicago
King, Leo Francis	ForC	104½	* † Indianapolis, Indiana
King, Lornan Tilman	LAS (SS)	9	* † Mt. Vernon
King, Mrs. Lou Wood	SS		* † Champaign
King, Marcus Rudolph	IndA	51½	* † Chicago
King, Maurice Vinton	EE	30	* † Cleveland, Ohio
King, Walter Bernard	ChE	57½	* † Ewing
Kingery, Otis Minor	Agr	73½	* † Toledo
Kingman, Jack	Bus		* † Grimes, Iowa
Kingsbury, Franklin Laffin	ChE	27	* † St. Louis, Missouri
Kingsbury, George Hunt, B.S., 1921	SS	130	* † Indianapolis, Indiana
Kingston, Neil Anthony	SS	5	* † Hornell, New York
Kinley, Janet Fraser	LAS	32	* † Urbana
Kinnane, Arthur John	Law	56	* † Champaign
Kinnard, Virginia	LAS		* † Muskogee, Oklahoma
Kinney, Clarence Niles	Arch	25	* † Ft. Collins, Colorado
Kinney, Ronald Eugene	Bus	76½	* † Kansas City, Missouri
Kinsey, Dan Chapin	ME		* † St. Louis, Missouri
Kinsey, Halladay Medcalf	LAS		* † St. Louis, Missouri
Kinson, Earl Francis	Bus	60	* † Galesburg
Kionka, Paul Frederick	LAS	32½	* † Melrose Park
Kiracofe, Edgar Stuart	SS	6½	* † Mt. Solon, Virginia
Kiram, Tarhata	Mus sp	26	* † Sulu, P. I.

Kirby, Mrs. June	SS		Champaign
Kirby, Nelle Almeda, B.Mus., 1921	LAS irr (SS)	160½	Eureka
Kirby, William Francis	LAS		Urbana
Kirchner, LeRoy William	Accy		Harvey
Kirk, Charley Edmund	Agr	33	Oblong
Kirk, James Covington	Bus (SS)	30½	Champaign
Kirk, Thornton Robert Lee	Bus (SS)	30%	Champaign
Kirkham, Bonnie Jean	Jnl	27	Evanston
Kirkpatrick, Elsie Virginia	LAS	101½	Urbana
Kirkpatrick, Kenneth Wilson	Bus		Urbana
Kirkpatrick, Vivian Maurine	LAS	66	Tuscola
Kirsch, Anthony Richard	Accy		Clinton, Indiana
Kirsch, Jacob Alexander	Bus		Benton
Kirsner, Harold Robert	Bus	32	Chicago
Kishpaugh, Harold William	MedP		Wyandot
Kissinger, Clarence Andrew	Arch	06½	Olney
Kistner, Arthur Wesley	ChE		Elkhart, Indiana
Kitch, Stanley Billings	ME	100½	Berwyn
Kitchell, Florence Ethel	HELAS	83	Morrisonville
Kizer, Clarence W	Bus	29	Mattoon
Kizer, John Lawrence	Bus		South Bend, Indiana
Klaproth, Norman Thomas	EE	78	Chicago
Klaproth, William Otto	REE	110½	Chicago
Klein, Bernard David	EE	34½	Chicago
Klein, Henry George	Bus		Chicago
Klein, Helen Hyacinth	HELAS		Urbana
Klein, John Alfred	Agr	43½	Blue Island
Klein, Leroy Nathan	Chem (SS)	61	Kansas City, Missouri
Klein, Marie Inez	LAS		Omaha, Nebraska
Klein, Otto Gustav	MedP		Chicago
Klenze, Delmar	Accy	100½	Chicago
Klinckmann, Erwin Christian	ChE	95	Chicago
Klindt, Herbert James	Ath		Sheridan, Wyoming
Kline, Lawrence Everette	ForC	100	Chicago
Klingberg, William Joseph	ME	108	Spring Valley
Klingebeil, Ray Irvin	Law		East Moline
Kloeppep, Victor Ferdinand	MedP	55	St. Louis, Missouri
Klontz, Mrs. Augusta	SS	16	Champaign
Klopper, Leonard	Bus	65	Chicago
Klossner, Virgil Eugene	Bus	15	Enid, Oklahoma
Klotzsche, Eunice Esther	HELAS	95½	Cornell
Klowden, Benjamin Morris	CE	105½	Chicago
Klutas, John Edward	Bus	37	Sterling
Klute, Roy Harvey	Bus	30	Chester
Knapheide, Marjorie Hortense	LAS		Quincy
Knapheide, Merle Douglas	Chem	93½	Quincy
Knapp, Arthur Rosell	Ath	35	Spartansburg, Pennsylvania
Knapp, Vernon	Bus	60½	Ashton
Knapple, Francis Yoder	SS	7%	Lexington, Missouri
Knapple, Mrs. Lela Cutter	SS	2	Bethany, Nebraska
Knauer, Harley Lillard	ChE	100½	Duquoin
Knecht, Walter Grote	EE		Elgin
Kneer, Greta Lucille	HELAS	64	Laura
Kneier, Charles Mayard	LawP	110½	Keosauqua
Kniel, Julius Louis	Bus		Dixon
Knight, Charles Basil	EE	22	Clinton, Iowa
Knight, Hubert Willard	EE	110	Somonauk
Knight, John Richard Watrous	Bus (SS)	64	Chicago
Knight, Paul	Agr		Frederick
Knipp, Pauline Louise	SS	78	Urbana
Knocke, Arthur Edmore	SS	11½	Davenport, Iowa
Knowlton, Grace Phillis	Bus	18	Chicago
Knowlton, Kenneth Homer	Law		Freeport
Knox, Walter A	Agr	19½	Morrison
Knuth, Ray Jacob	Arch	27	Peoria
Koch, Elmer Cornelius	Bus	95	Alton
Koch, Everett William	Agr	64	Warsaw
Koch, Helen Durand	LAS	33	Alton
Koch, Lorin Chester	Agr	23	Varna
Koch, Richard Frederick	Bus	30	Chicago
Koch, Victor Hugo	Bus		Highland
Koch, William Mortimer	Agr	55	Varna
Kocour, Cyril Joseph	ChE	91½	Chicago
Koehler, Edwin Robert	CE	72	Chicago
Koehler, Elmer George	MedP (SS)	47	Chicago
Koehler, Frank August	CE		Des. Plains
Koehler, Oscar Henry	EE	136½	Chicago
Koehn, Geneva Beatrice	LAS (SS)	30½	Tuscola
Koemen, Albert Theodore	MinE		Baldwin
Koenig, Karl Frederick	ChE	63	Alton
Koenig, Russell Otto	IG (SS)	80½	Bremen, Indiana
Koepke, Edward Frank August	C&L		Chicago
Koerfer, Paul Edward	EE	64½	Aurora
Koerner, Theodore George, Jr.	Bus	101½	Park Ridg
Kohl, Edith	LAS (SS)	6	Central
Kohl, Leona Josepha	Mus	33	Belle

Kohlhagen, Grace Emily	LAS	26	*	Frankfort
Kohlhagen, Olive Elizabeth	LAS	32	* †	Frankfort
Kohn, Stella M	LAS	121 ³ / ₈	* †	Chicago
Koho, Forrest Burks	Bus	31	*	Vermilion
Kohout, Jerre	Flor	53	* †	Chicago
Kolb, Esther Ruth	Jnl		* †	Chicago
Kolb, Kathryn Louise	HELAS	60	* †	Lebanon
Kolben, Henry, Jr.	ME	71	* †	Chicago
Kolls, Raymond Constantine	Acy	31	* †	Harvard
Kolls, Walter Law	LAS	23 ¹ / ₈	* †	Harvard
Kolmer, Oliver Ernst	Agr	62	* †	Waterloo
Komuro, Shidzuo	SS	3		Tokyo, Japan
Konold, William Saints	Ind A	35	* †	Warren, Ohio
Koons, Josephine	LAS	29		Danville
Koonz, John Charles	EE		* †	Winnetka
Kopf, Harry Clifford	Bus		* †	Chicago
Kopple, Abraham Louis	SS	66		Dubuque, Iowa
Kordell, Leon Bruno	CE	58	* †	Chicago
Koritz, Lloyd Amos	Agr		* †	Thawville
Kost, Martha Elizabeth	SS	4		Astoria
Kosvich, David	Arch	33 ¹ / ₂	* †	Chicago
Kotal, Edward Louis	ME		*	Chicago Heights
Koukalik, Charles	Voc osp	29	*	Chicago
Koupal, Elsa Emily	LAS (SS)	100 ¹ / ₂	* †	Crown Point, Indiana
Koupal, Helen Marie	LAS (SS)	101	* †	Crown Point, Indiana
Kovacsy, William George	ME	71	* †	Hammond, Indiana
Kozelka, Joseph Benjamin	Bus	55 ¹ / ₂	* †	Chicago
Krablin, Alma	SS	7		Onarga
Kraeger, Alice Edwardine	LAS	35	* †	Pekin
Kraemer, Irvin Fred	LAS sp		* †	Champaign
Krafft, William C	SS			Paton, Iowa
Kraft, Anna Lorraine	LAS	119	*	Bloomington
Kraft, Gordon Malon	MedP		* †	Ludington, Michigan
Krantz, Ellsworth Stout	SS	9		Easton, Pennsylvania
Krael, Dorothy Mary	HELAS	34	* †	Danville
Krause, Christine	SS	9 ¹ / ₂		Dieterich
Krause, Elmer George	EE	106 ³ / ₈	* †	Belleville
Krauskopf, Karl Hort	Bank		* †	Maywood
Krauskopf, Sherry Bowen	Jnl	71	*	Maywood
Krauthelm, William Charles	ME	65	* †	Granite City
Krekler, William Henry	LG	63 ¹ / ₂	* †	Clinton, Indiana
Krelstein, Bernard Sidney	Law	39	*	Chicago
Krenz, Edgar John	EE	53	* †	Chicago
Krenz, Mathilde Hannah	LAS	60	* †	Chicago
Kress, William Edward	Bus	30	* †	Springfield
Kretchmer, Clarence Martin	Bus	109 ³ / ₈	* †	Chicago
Kreuser, Theodore Anthony	CE		* †	Chicago
Kriekhaus, Elles Walter	LAS		* †	Herrin
Krieg, Arthur Walter	AE	49 ¹ / ₂	* †	Riverside
Kries, Elden Lawrence	Acy	35	* †	Grayville
Krishna, Pallemate Gopala	Agr (SS)	41	* †	Ricket, India
Kroehler, Delmar Leroy	Bus	26	*	Naperville
Kroesten, Kenneth Penn	Bus	30	*	Chicago
Krone, Max Thomas	MedP	70	* †	Bryan, Ohio
Krows, Paul Martin	SHAAgr	63	* †	Champaign
Krueger, Gerald August	Agr	103	* †	Chicago
Krueger, Paul Fredrich	Agr	71	* †	Chicago
Kruger, Irwin Bachenhaimer	Acy sp	72	* †	Fargo, North Dakota
Krumstieg, Raymond George	EE	36	* †	Chicago
Kruse, Alta Elizabeth	SS			Freeport
Kruse, Charles Edward	SHAEd	64	* †	Richmond
Kruse, Cornelius Francis	SS		* †	Webster Groves, Missouri
Kruse, Waldemar Carl	Law		* †	Champaign
Ksiazek, Chester Stephen	ME	69 ³ / ₈	* †	Chicago
Kucera, Margaret Evelyn	LAS		* †	Maywood
Kuehl, Edwin Christ	CE	99 ³ / ₈	* †	Davenport, Iowa
Kuehne, Carl William	Chem	108	* †	Chicago
Kuhl, George Harris	Ind A	43	* †	Chicago
Kuhl, Melvin Henry	Eng	48	* †	Chicago
Kuhle, Orlando Augustus	Law		* †	Assumption
Kuhnen, Curtis William	Arch		* †	Chicago
Kuhnen, Harold Harry	Agr		* †	Highland
Kulakowsky, Charles Edward	LawP		* †	Chicago
Kuller, John Walter	MSE	35	* †	Ancon, Canal Zone
Kuny, Frances Bertha	LAS	107	* †	Decatur
Kunz, Henry Laurence	EE	35	* †	Springfield
Kunze, Ernest John	Bus	58 ³ / ₈	* †	Marissa
Kuo, Yu Pin	Agr (SS)	30	*	Siangcheng, China
Kuppinger, Harold Earl	EE		* †	Mason City, Iowa
Kurlin, Saul Albert	LAS		*	Chicago
Kurru, Charles Gustav	LAS		* †	East St. Louis
Kurth, Owen B	Bus		* †	Centralia
Kusano, Gonpachiro	CE		* †	Kumamoto, Japan
Kustner, Carl Gerding	ME	77	* †	Chicago
Kwan, Sung-Kin	Arch		* †	Tientsin, China

Kyger, Roy Jay	SS	107½		Danville
Kyle, George Thomas	LAS		* †	East St. Louis
Laadt, George Anton	LAS	121	* †	Chicago
Laadt, William John	Bus	33	* †	Chicago
Laase, Fred Henry	Agr	30	* †	Mazon
Labahn, Alfred Henry	LawP	65	* †	Algonquin
LaBahn, Rudolph Otto	Bus	77	* †	Chicago
LaBelle, Leo Arthur	Bus		* †	Oak Park
LaBerge, Irene	LAS		* †	St. Louis, Missouri
Lacey, John James, B.S., 1917	SS	140		Elmwood
Lachenmyer, Agnes Lucille	LAS	11	* †	Champaign
Lackens, Georgia	Ed	70	* †	Macomb
Lackey, Alice Caroline	LAS	33	* †	Lawrenceville
Lacy, Reginald Ross	MinE	72	* †	Herrin
Ladd, Dwight John	MedP (SS)	67½	* †	Shabbona
Lafferty, George Gustavus	SS	112		Burgess
Lafferty, Thomas Wheeler	Agr (SS)	126½	*	Galesburg
LaFollette, Bernell Lois	HELAS		* †	Rantoul
LaFuze, Donald Frazier	Law	70	* †	Liberty, Indiana
Lahoda, Henry	IndA		* †	Chicago
Lai, Lien	ME	70	* †	Changsha, China
Laible, Beryl Vivian	HEAgr	34	* †	Freeport
Lake, Elmer, A. B., 1907	SS		* †	Lincoln
Lake, Mary Florence	LAS	31	* †	Blountsville, Indiana
Lake, Virgil Henry	SS	23		Dieterich
Lake, William Paul	AE	56½	* †	Champaign
Lake, Zera William	Jnl		* †	Champaign
LaMaster, Frank Holcomb	Ath		* †	Marion
Lambert, Kathryn Mary	LAS	67½	* †	Arthur
Lambert, Kenneth Coghlan	CerE	73	* †	Maywood
Lambert, Margaret Mary	LAS		†	Arthur
Lambert, Raleigh	LAS			Orange, Virginia
Lambert, Violet, A.B., 1921	Lib (SS)	7	* †	Palo Alto, California
Lambright, John Allen	Ath		* †	Landrum, South Carolina
Lamer, Glenn Robert	Bus		* †	Cobden
Lampe, Chester Edward	CerE		* †	Quincy
Lampitok, Andrew Bonus	MedP	28	* †	Champaign
Lamport, Leonard Rollings	CE	84½	* †	Chicago
Lancaster, Samuel Pottinger	ME	60	* †	Chicago
Lander, Russell Hubert	Agr		* †	Belvidere
Landers, Raymond Paul	CEL		* †	Chillicothe
Landes, Ralph H	SS	9½		Lintner
Landfield, Joseph David	Arch	34	* †	Chicago
Landhy, Irwin Theodore	EE	114½	* †	Chicago
Landis, William Speer	Bus	31	* †	Chicago
Lanc, Anna Antoinette	SS	13½		Perry
Lanc, Charles Felder	LawP		* †	Chicago
Lanc, Charles Howard	Bus (SS)	63½	* †	Clinton
Lanc, Emily Elizabeth	LAS		* †	Western Springs
Lanc, Harold Gay	ME (SS)	26	* †	Belvidere
Lanc, Harold Harrison	Ath (SS)	21	* †	Clinton
Lanc, Luther William, Jr.	LAS		* †	St. Louis, Missouri
Lanc, Walter August	Bus		* †	Shumway
Lang, Frederick William	Arch	35	* †	Chicago
Lang, Harvey Lawrence	LAS	106½	* †	Mt. Morris
Lang, Margaret Lucille	LAS		* †	Champaign
Langan, Edward Augustus	Bus	28		Collinsville
Langdon, Ilda	SS	5		Papillion, Nebraska
Langham, Irene	LAS	33	* †	Keyesport
Langhenrich, Fred William	CE		* †	Chicago
Langston, Carroll Spencer	LAS		* †	Pekin
Langston, Ellen Terry	LAS	32	* †	Chicago
Lannin, Thomas Floyd	Bus	34	* †	Chicago
Lansford, Wallace, Monroe	CE	30	* †	St. Peter
Lansford, William Isham	Agr	24	* †	St. Peter
Lantz, Mildred	HEAgr	62	* †	Congerville
Larimer, Ruth, A.B., 1919	Lib	6	* †	Topeka, Kansas
Larrance, George Silas	SS	7½		Evanston
Larry, Etta Cynthia	SS	91		Champaign
Larry, Herbert Freeman	CE	6	* †	Champaign
Larry, Ray Nicholas	Agr	34½	* †	Champaign
Larsen, Harold Theodore	CE	64	* †	New London, Connecticut
Larsen, Thyge Otto	CE	107	* †	Chicago
Larsen, Valdemar Charles, Jr.	FOM	28	* †	Oak Park
Larson, Arthur Clarence	EE	84	* †	River Forest
Larson, Mrs. Blanche Louise, A.B., 1916	Mus irr	148	* †	Champaign
Larson, Carl	ME		* †	Chicago
Larson, Carl G	Bus	63½	* †	Oak Park
Larson, Eleanor Ruth	HELAS		* †	Chicago
Larson, Etta Lillian	Bus (SS)	102	* †	De Kalb
Larson, Gladys Madge	LAS	63	* †	Princeton
Larson, Godfrey William	CE	60	* †	Kansas City, Missouri
Larson, Paul Filip	LAS	61½	* †	Mazon
Larson, Reinhold Fridtjof	ME (SS)	72	* †	Geneva
Larson, Roy Fredrick	ME	31	* †	Chicago
Lascelles, John William	Ath	7	* †	Capron

Lash, Clarence Roy	<i>Agr</i>	113½	*	Big Rock
Lassers, Benjamin Morris	<i>Bus</i>	31	* †	Chicago
Latham, Hollis Culver	<i>Bus</i>	86	*	Sandwich
Latham, Wendell Abbott	<i>Bus (SS)</i>	87	*	Sandwich
Lathrop, John Sherman	<i>CerE</i>	146	* †	Chicago
Latowsky, Carl Rodo	<i>ForC</i>	94½	* †	Urbana
Latta, Maurice Cooper, Jr.	<i>CE</i>	37	* †	Washington, D. C.
Lauder, Don Custer	<i>Accy</i>		* †	Carterville
Lauer, Meyer Chase	<i>Bus</i>		* †	Plymouth
Laverty, Lew Frank	<i>SS</i>			Bay City, Michigan
Law, Clifford Julian	<i>ME</i>	45½	* †	Springfield
Law, John Carl	<i>EE (SS)</i>	39	* †	Chrisman
Law, Lois Leota	<i>LAS</i>		* †	Taylorville
Law, Philip M.	<i>Med P</i>		†	Chippewa Falls, Wisconsin
Law, Rhene Berwyn	<i>Ath</i>	66	* †	Savanna
Lawder, Homer Lee	<i>MedP (SS)</i>	6	* †	Rockwood
Lawder, John Francis	<i>Mus</i>	3	* †	Champaign
Lawrence, Helen Adelaide	<i>CCS</i>	98	* †	Chicago
Lawrence, James Rollin	<i>Jnl (SS)</i>	99½	* †	Champaign
Lawrence, Norbert Edward	<i>Bus</i>	144	* †	Denver, Colorado
Lawrence, Thomas Maurice	<i>ForC</i>	65½	* †	Springfield
Lawrence, Wasson Watts	<i>ME</i>	43	* †	Fairfield
Laws, Merle Wade	<i>CE</i>	87½	* †	Alexandria
Lawton, Ruth	<i>HEAgr</i>	91½	* †	Hinsdale
Laybourn, Kueluff	<i>Bus</i>		* †	Centralia
Layman, Gosnell	<i>SS</i>	6½		Litchfield, Kentucky
Layne, Duff Bertram	<i>Bus</i>		* †	Centralia
Lazarus, Bernhard	<i>IndA</i>	2	* †	Chicago
Lazier, Harold Elmer	<i>Agr</i>	71	* †	Rochelle
Lazier, Wilbur Arthur	<i>Chem</i>	105½	* †	Rochelle
Leach, Edgar Shelby	<i>LAS</i>	95	* †	Mt. Carmel
Leach, Jule Gurtler	<i>MedP</i>	13	* †	Chicago
Leach, Oliver Maxine	<i>LAS</i>	32	* †	McLean
Leach, Orouis Ira	<i>SS</i>	8½		Louisville
Leager, Marc	<i>SS</i>	7		Champaign
Leahy, Frank Spellman	<i>CCS</i>		* †	Chicago
Leak, Sarah Elizabeth	<i>LAS</i>		* †	Lizton, Indiana
Leaming, Jeremiah Coopsey	<i>ChE</i>	31	* †	Highland Park
Leary, William Andrew	<i>Accy</i>	102	* †	El Paso
Leavitt, Maurice	<i>Bus</i>	91½	* †	Chicago
Lebstein, Sylvia Margarite	<i>Jnl</i>		†	Chicago
LeBosquet, Maurice, Jr.	<i>MSE</i>	108½	* †	Chicago
Lebowich, Eugene Douglas	<i>Bus</i>	100½	* †	Oregon
Le Conte, Alfred	<i>LAS</i>		* †	Danville
Lederer, Edwin Alexander	<i>Chem</i>		* †	Chicago
Lederer, Edwin Rudolph	<i>Bus</i>	33	* †	Bloomington
LeDuc, Gertrude Junette	<i>LAS</i>	64½	* †	Chenoa
Lee, Alfred Erwin	<i>Bus (SS)</i>	97½	* †	Champaign
Lee, Clarence Lloyd	<i>LAS</i>	38	* †	Champaign
Lee, Donald Orval	<i>Agr</i>		* †	Hoopeston
Lee, Hsiang Chuan	<i>Bank (SS)</i>	38	* †	Tientsen, China
Lee, Jack	<i>Bus</i>	104	* †	Portland, Oregon
Lee, John Proctor	<i>Agr</i>	115½	*	Peoria
Lee, Kian Gie	<i>ME</i>	57½	* †	Bataravia, Java
Lee, Maurice William	<i>EE</i>		* †	Champaign
Lee, Oliver Dettmer	<i>Ath</i>		* †	Niles, Michigan
Lee, Poy Kwun	<i>CE</i>	24½	†	Shanghai, China
Lee, Seymour Rowland	<i>MedP</i>	33	* †	Howard, South Dakota
Lee, Sherman Quentin	<i>CerE</i>	64	* †	West Chicago
Lee, William Homer	<i>Bus</i>	50	* †	Harrisburg
Leech, Howard Wray	<i>SS</i>	8½		Pickering, Missouri
Leeds, Lerner	<i>Vos vsp (SS)</i>	6½	†	Mt. Carmel
Leeds, Winston Bryan	<i>Jnl</i>	100	* †	Urbana
Leedy, Mary Elizabeth	<i>SS</i>	8½		Jacksonville
Leeming, Mason Starring	<i>REE</i>	108	* †	Chicago
deLeeuw, Philip Movitz	<i>ChE</i>	69	* †	Chicago
LeGault, Stewart Exvie	<i>Ath</i>	28	*	Pekin
Leggate, Leora Lillian	<i>HEAgr</i>	68	* †	Chatsworth
Leggott, Harry James	<i>Bus</i>		* †	Kankakee
Lehman, Arthur William	<i>Bus</i>	36½	* †	Bloomington
Lehmann, Fred Gustave	<i>Chem (SS)</i>	102½	* †	Chicago
Leibert, Edwin Reinsigle	<i>Jnl</i>		* †	Bradford, Pennsylvania
Leigh, Oliver Wendell Holmes	<i>Agr</i>	64	* †	Champaign
Leighly, Hollis Philip	<i>Agr</i>		* †	St. Joseph
Leighton, Harold Haerle	<i>Jnl</i>		* †	Chicago
Leland, Edward Akin	<i>LAS</i>	36½	†	Springfield
LeMaster, Oscar Lloyd	<i>Law</i>	33	* †	West Frankfort
LeMay, Leora	<i>Ed</i>	90	* †	Olney
LeMenager, Earl Henry, A.B., 1921	<i>SS</i>	132½		Champaign
Lemon, John Frederic	<i>SS</i>	6½		Richmond, Indiana
Lemos, Bernardo de Fria	<i>C&L</i>		* †	Mindora
Lenane, Edward Hugh	<i>ME (SS)</i>	110½	* †	Quincy
Lennox, George	<i>MedP</i>	46½	*	Marshalltown
Lentz, John Cyrus	<i>Bus</i>	28	*	Syracuse, Indiana
Lentz, Leo Francis	<i>Agr</i>	91½	* †	Anna
Lenz, Pauline Marie	<i>LAS</i>	32	*	Chicago

deLeon, Ricardo Dominador	ChE (SS)	67%	* †	Tarlac, Phillipine Islands
Leonard, Charles Pierson, A.B., 1921	SS	130½	* †	Boston, New Jersey
Leonard, Edward Patrick	Jnl	102	* †	La Grange
Leonard, Lois Ann	HELAS	32	* †	Rantoul
Leonard, Rose Catherine	SS	16½		Hollandale, Wisconsin
Leopold, Esther Marian	Jnl		* †	Chicago
Leopold, John Frederick	ChE		* †	Wooster, Ohio
Lesch, Edward C	CE	8	* †	Danville
Lesemann, Ralph Frederick	Law		* †	Nashville
Leslie, Mrs. Myra Henion	SS	90½		Urbana
Leslie, Robert Thies	Chem (SS)	33	†	Belleville
Less, Mary Louise	HELAS		* †	Champaign
Lester, Rollin Harold	MedP	34	* †	Kewanee
Lethen, Edward Frederick	Accy	64	* †	Chicago
Lettie, Arnold Maurice	Bus	63½	* †	Chicago
Levenberg, Georgia Jeannette	LAS		* †	Chicago
Levenstein, Mose Abraham	Bus	30½	* †	Greensburg, Indiana
Leverenz, Harold Theodore	CerE	72	* †	Danville
Levin, Charles	ME	73	* †	Chicago
Levin, Lewis Layarcis	Bus	27	* †	Chicago
Levin, Morris Solomon	Bus	64	* †	Monticello
Levinson, Arthur Aaron	ChE		†	Chicago
Levis, Edward Nelson	Bus		* †	Alton
Levitt, Marie	LAS			Sailor Springs
Levy, Henry Kay	EE	122½	* †	Chicago
Levy, Jacob	MedP	43	* †	Bayonne, New Jersey
Levy, Katherine Henrietta	Bus	31	* †	Chicago
Levy, Russell David	EE		* †	Oak Park
Levy, Samuel Albert	Ath	70	* †	Bayonne, New Jersey
Levystein, Alan Lobell	Chem	17	* †	Chicago
LeWald, Curtis Crain	LAS	33½	*	Chicago
Lewis, Alfred James	LAS	10	* †	East St. Louis
Lewis, Blanche Letha	Accy		* †	Champaign
Lewis, Carl Cecil	Agr	8	* †	Camp Point
Lewis, Charles Bennett	FOM	30	* †	Wheaton
Lewis, Dana Meridal	Agr (SS)	87	* †	Camp Point
Lewis, Ethel M	LAS	94	* †	Chicago
Lewis, Everett	Law sp		* †	Benton
Lewis, Franklin Spencer	Jnl	54	*	Chicago
Lewis, Fred McKendree	SS	9½		Mayville, Missouri
Lewis, Harold Wilcox	Bus (SS)	105	* †	Urbana
Lewis, Henrietta Pauline	LAS	93	* †	Stone Fort
Lewis, James Mandell	ME	107½	* †	Wheaton
Lewis, Leslie Lisle	LAS	44	* †	New Richmond, Indiana
Lewis, Mabel Rebecca	SS	11		Brooklyn
Lewis, Martha Estine	LAS	71½	* †	Des Moines, Iowa
Lewis, Orvill Lawrence	Ed		* †	Urbana
Lewis, Paul Wilber	Agr		* †	Vincennes, Indiana
Lewis, Percy Williams	ChE	5		La Grange
Lewis, Preston	Agr (SS)	41	* †	Stillman Valley
Lewis, Sumner Fay	LAS	57½	* †	La Grange
Lewis, Thomas Elwood	MinE	45%	* †	Kokomo, Indiana
Lewis, Walden Sharp	CE	61	* †	Sandwich
Lewman, Elsie Battles	HEAgr		* †	Decatur
Leyden, Richard John Thomas	ME		* †	Chicago
Leydorf, Mary	SS	8		Nautoo
Lhotka, Henry Anton	Ind A		* †	Chicago
Li, Chen Hsien	RA		* †	Peking, China
Li, Hsiang Kai	ME	113%	* †	Honan, China
Li, Pao Lu	RA		* †	Chihli, China
Li, Sheo Hen	ChE (SS)	132	* †	Kiangsu, China
Li, Tsu Ching	Bank (SS)	24	* †	Cheh Kiang, China
Li, Yung	RA		* †	Chihli, China
Libin, Aaron	Arch	30	* †	Chicago
Libke, Andrew Emanuel	SS			West Salem
Libman, Ginna Andrea	LAS		* †	Chicago
Libunao, Jose Bautista	RCE (SS)	56	* †	Malolos, Phillipine Islands
Lichty, Edson Prosper	Bus	64	* †	Zion City
Lidschin, Max Milton	Ind A	60½	* †	Chicago
Lieb, Samuel Benjamin	ChE	109	* †	Chicago
Liederman, Sidney Edward	Bus	17	* †	St. Louis, Missouri
Lies, Arthur Nicholas	ME	116½	* †	Chicago
Lies, Clyde Henry Harold	Bus		* †	Aurora
Liggett, William Alexander	MedP		* †	Virden
Liggett, William LaVerne	Bus		* †	Metropolis
Lightle, Ralph Waldo	Bus		* †	Ashland
Lightring, Lydia L	SS	7		Gross Point
Liljequist, Ruth Bernice	Accy		* †	Freeport
Liller, Ruth Margaret	SS	33½		Anna
Limper, Fred Godlieb	Bus		* †	Edwardsport, Indiana
Lin, Jung Hsiang	RCE		* †	Foochow City, China
Lin, Kuan Hua	Bank (SS)	73%	* †	Moukden, China
Lin, Lu Chi	Bank		* †	Peking, China
Lincicome, Luna Belle	Bus sp	4	*	Urbana
Lind, Hjordis Angelica	LAS	33	* †	Peotone
Lindberg, Thora Helen	SHHE Ed	101	* †	De Kalb

Lindblom, Leonard Hamilton	<i>Ind A</i>	32	* † Chicago
Linde, Gerald Herman	<i>Bus</i>	34	* † Moline
Lindelof, Ethel Mae	<i>LAS sp</i>		* † Urbana
Lindelof, Frank Albert	<i>CE</i>	24½	* † Urbana
Lindemann, Herbert William	<i>Bus</i>	20	* † Chicago
Lindley, Bertrand Hollowell	<i>Min E (SS)</i>	153½	* † Vicksburg, Mississippi
Lindley, Donald James	<i>Bus</i>		* † Chrisman
Lindley, James Ralph	<i>EE</i>	102¾	* † Marshall
Lindley, Mary Helen	<i>LAS</i>	51	* † West York
Lindley, William Price	<i>Jnl</i>	34	* † Sullivan, Indiana
Lindner, Charles Terry	<i>EE</i>		* † Auburn
Lindquist, Carolyn	<i>Cer E</i>	72	* † Chicago
Lindquist, Rubert John	<i>Accy</i>	67	* † Sycamore
Lindsay, James Douglas	<i>ME</i>	35	* † La Salle
Lindsay, Virginia	<i>HELAS</i>	31	* † Onarga
Lindsey, Adrian Herne	<i>FOM</i>	120	* † Bryan, Ohio
Lindsey, Lelia Helen	<i>SS</i>	7½	* † Shelbyville
Lindsey, Marion Lee	<i>SS</i>		* † Beaumont, Texas
Lindstrom, Wallace Nelson	<i>Bus</i>	45	* † Chicago
Ling, Hung Ung	<i>SS</i>	81	* † Fukieu, China
Ling, Shu Mong	<i>Bus</i>	95½	* † Hunan, China
Lingenfelter, Lucille	<i>HELAS</i>	63	* † Lawrenceville
Link, Louis John	<i>CE</i>	40¾	* † Chicago
Link, Walter	<i>Bus</i>	1½	* † Chicago
Linke, Madge	<i>HELAS (SS)</i>	101¾	* † Seymour, Indiana
Linn, Alexander McFerran	<i>AE</i>	127	* † Des Moines, Iowa
Linn, Arnold John	<i>Bus</i>	33	* † Roberts
Linn, Flora	<i>LAS</i>	58	* † Kansas City, Missouri
Linnard, Clarence Kenneth	<i>Agr</i>	70	* † Peotone
Linnard, Lawrence Gilbert	<i>LG</i>	33	* † Peotone
Linstrum, Esther Adelia	<i>Chem</i>		* † Assumption
Linstrum, Vina Dorothea	<i>LAS</i>	48	* † Assumption
Lipe, Cora Zenobia	<i>SS</i>	15	* † Witt
Lipe, Gordon Clyde	<i>Ath</i>	14½	* † Decatur
Lipe, Raymond Caspar	<i>Ind A</i>	18	* † Chicago
Lipman, Ben Herbert	<i>Bus</i>		* † Benton Harbor, Michigan
Liscom, William Martin	<i>Accy</i>	41	* † Beardstown
Litke, Edward	<i>ME sp</i>		* † Cleveland, Ohio
Little, Elmer Phelps	<i>FOM (SS)</i>	96	* † Champaign
Little, Florence Mable	<i>Jnl</i>		* † Rantoul
Little, George Howard	<i>SS</i>	5	* † Janesville
Little, Mary Ninas	<i>LAS</i>	98	* † Kansas City, Missouri
Littler, Sara Frances	<i>Mus</i>	34	* † Pendleton, Indiana
Littlewood, Harold Raymond	<i>Agr sp</i>		* † La Moille
Littmann, Edwin Robert	<i>Chem (SS)</i>	92	* † St. Louis, Missouri
Littmann, Raymond Edgar	<i>Bus</i>	55	* † St. Louis, Missouri
Litz, Leo Meredith	<i>Jnl</i>	40	* † Indianapolis, Indiana
Liu, Szu I Sidney	<i>SS</i>	37	* † Nanking, China
Lively, Carlos Alain	<i>SS</i>	105½	* † Oblong
Livermore, Ogden	<i>Ch E (SS)</i>	104½	* † Evanston
Livesay Durnard Paul	<i>Eng</i>	35	* † East St. Louis
Lo, Dun Hao	<i>Agr</i>		* † Hunan, China
Loag, Robert, Jr.	<i>CE</i>		* † Evanston
Lock, Kathryn Mary	<i>LAS</i>		* † Oak Park
Locke, Sam Pelide	<i>EE</i>	89	* † Mexico, Missouri
Lockhart, Paul H	<i>Agr</i>	67	* † Palestine
Loehr, Hazel Coughtrey	<i>LAS</i>	66	* † Oak Park
Loekle, Otto John	<i>Agr (SS)</i>	36	* † Penn
Lofton, Harry Floyd	<i>Law P</i>	60½	* † Jacksonville, Florida
Logan, Charles Harold	<i>Bus</i>	31	* † Decatur
Logie, Jane Merritt	<i>HELAS</i>	33	* † Wilmette
Logsdon, Amy Louise	<i>SS</i>	22	* † Rushville
Loh, Ming Sung	<i>EE</i>		* † Champaign
Loh, Ying Tsau	<i>Bank</i>		* † Canton, China
Lollar, Forrest Dale	<i>Ch E</i>		* † Tuscola
Long, Charles David	<i>Agr</i>	72	* † Beardstown
Long, Dora Edith	<i>HELAS</i>		* † Garden City, Kansas
Long, Edward Enoch	<i>Agr</i>		* † Wellington
Long, Eugene Byrons	<i>Bus</i>	30	* † Rossville
Long, Fred Wallace	<i>Ch E</i>		* † Amboy
Long, Gladys Nora	<i>LAS</i>	59	* † Waukesha
Long, Harvey Lawrence	<i>LAS</i>	106½	* † Mt. Morris
Long, Lee Shuman	<i>SS</i>		* † Bennett, Nebraska
Long, Mary Wilson	<i>LG</i>		* † Metropolis
Long, Noah Glynne	<i>Agr</i>	67	* † Waukesha
Long, Roy Clarence	<i>EE</i>		* † Springfield
Long, Wendell Burton	<i>Bus</i>		* † Rantoul
Longaker, James Fisher	<i>Bus</i>		* † Oak Park
Longaker, Samuel	<i>Bus</i>		* † Oak Park
Longbons, Belle	<i>Mus (SS)</i>	111½	* † Urbana
Longbons, Elizabeth	<i>LAS (SS)</i>	102½	* † Urbana
Longenecker, Paul Adair	<i>C&L</i>		* † Union City, Indiana
Longenotti, LaCari	<i>Bus</i>	104½	* † St. Louis, Missouri
Longfellow, Harold Russell	<i>EE</i>	34	* † Anderson, Indiana
Longman, Reba Etta	<i>HELAS</i>	93	* † Lacon
Loo, Wah Yop	<i>Bus</i>	17	* † Yokohama Japan

Loomis, Frances Louise	LAS	66	* †	Mattoon
Loomis, Frank Farmer	SS		* †	Evanston
Loomis, Milo Anderson	Agr sp		*	Makanda
Loomis, Oliver King	Agr	104 $\frac{1}{2}$	* †	Makanda
Lopes, Emio Ferra	Agr sp	3	* †	New York, New York
Lorber, Max Jack	ForC	33 $\frac{1}{2}$	* †	Columbia City, Indiana
Lorenz, Robert William	LAS		* †	Champaign
Lotz, Meyran Alfred	ChE	73	* †	Chicago
Lou, Chi Tin	ME	97	* †	Hankow, China
Louden, Robert Hadley	CerE (SS)	42	* †	Collinsville
Loughlin, Rosemary	LAS sp		†	Urbana
Loughnane, John Patrick	SS			Decatur
Louis, Elizabeth Valentine	LAS		* †	Champaign
Love, Frank Armen	FOM	59	* †	Chicago
Love, John Joseph	EE (SS)	106	* †	Newton
Loveless, Alexander Watt Thomson	ChE (SS)	145	* †	Indianapolis, Indiana
Lovell, Marie Elsie	LAS (SS)	93	* †	Kaneville
Loversky, Frank George	LAS		* †	Chicago
Lovitt, Sara Ethel	LAS		* †	Kearney, Nebraska
Lovvorn, Joseph Edgar, Jr.	Bus	32	* †	Okeechobee, Florida.
Low, Margaret Loraine	Chem	76	* †	Bemis, Tennessee
Lowe, Burton James	Bus	65	* †	Kewanee
Lowes, Helen Hall	Agr	110 $\frac{1}{2}$	* †	Chicago
Lowes, Mary Elizabeth	Jnl	97 $\frac{3}{8}$	* †	Chicago
Lewis, Frank Ashton	Agr		* †	Morrisonville
Lowman, Fred L	SS	16 $\frac{1}{2}$		Sadorus
Lowrance, Roy E	CerE	148 $\frac{1}{2}$	* †	Robinson
Lowry, John T	Agr sp		* †	Champaign
Lubelsky, Benjamin L	ME	64	* †	Chicago
Lubelsky, Samuel Sidney	MinE	102	* †	Chicago
Lubman, Harry Fredrick	CerE		* †	Chicago
Luby, Marcella	SS			Springfield
Lucas, Herbert Lester	CerE		* †	Evanston
Lucas, Merrill	IndA		†	Chicago
Lucero, Isaac Villagonzalo, A.B., 1918	Lib	32	* †	Rounda, P. I.
Lucke, Russell Stewart	CerE		* †	Chicago
Luckey, George Alonzo	Bus	32	* †	Farmington
Luckey, Robert Magill	Bus		* †	Potomac
Ludwig, Leon Robert	EE		* †	Kansas City, Missouri
Luedke, Gertrude	LAS		* †	Chicago
Luhnow, Lester A	Agr	76	* †	Oak Park
Lui, Chin Chang	SS			Hien, China
Lukas, Joseph Martin	Accy		* †	Pawnee
Lukemeyer, George Earl	LAS		* †	Huntingburg, Indiana
Lumpp, Janaice Mary	Mus	61	* †	Decatur
Lumsden, Harold A	LAS	30	* †	Urbana
Lund, Helen Dorothea	Bus	26	* †	Chicago
Lundbeck, Orelud Rudolph	ME	14 $\frac{1}{2}$	* †	Oak Park
Lundeen, Edgar Emmanuel	Arch	85	* †	Bloomington
Lundy, Gladys Evelyn	HEAgr	90	* †	Champaign
Lupu, Max Joseph	MinE ₁	71	* †	Chicago
Lurie, David Robert	Bus	29 $\frac{1}{2}$	* †	Chicago Heights
Lurie, Harold Hiram	ChE	84 $\frac{1}{8}$	* †	Chicago
Lutyens, Leslie Wayne	Accy	62	* †	Tampico
Lutz, Carl Walter	Accy (SS)	85 $\frac{3}{8}$	* †	Evansville, Indiana
Lycan, Mary Louise	LAS		†	Paris
Lycan, William Hiram	LAS		* †	Vermillion
Lyddon, Clyde Oakley	Bus	33	* †	Rockford
Lyerla, Ava Juanita	SS	83 $\frac{1}{2}$		Irving
Lykins, Denny Lebus	Bus		* †	Champaign
Lyle, Allene	Jnl	88 $\frac{3}{4}$	* †	Chicago
Lyle, William Jesse	SS			Gleichen, Canada
Lyman, Bernard Anthony	Bus	118	* †	Champaign
Lyman, Armond Ferris	Bus	27	* †	Oak Park
Lyman, George Storrs	EE		* †	Farmingdale
Lynch, Earl Walter	Agr	11 $\frac{1}{2}$	* †	Attica, Indiana
Lynch, John Joseph	CE	36	* †	Maywood
Lynd, Joseph Merle	IndA (SS)	90	* †	Springfield
Lynde, Herbert Bargis	EE	92	* †	Chicago
Lynn, Ardis Lenore	Jnl	65	* †	Byron
Lynn, Chester Vernon	CE (SS)	76	* †	Decatur, Georgia
Lyon, Stuart Wellington	ME (SS)	105 $\frac{1}{8}$	* †	Chicago
Lyons, Alice Bessie	SS	4		Urbana
Lyons, Ernest Lee	Ath	77 $\frac{1}{2}$	* †	Urbana
Lyons, Harold Arthur	Ath		* †	Rockford
Lyrila, Keith Harold	MinE (SS)	12	* †	Champaign
Lytle, Florence May	Bus (SS)	104 $\frac{1}{8}$	* †	Urbana
Lytle, John Ebert	ME (SS)	68	* †	Decatur
Lytle, Manta Maria, B. S., 1921	SS	130		White Hall
McAdam, Joseph Lee	Ath		*	Pana
McAdoo, Clarence Ervin	Accy		* †	Litchfield
McAdow, Helen Elizabeth	LAS	29	* †	Chicago
McAfoos, Roy Earl	Ath (SS)	58	* †	Ewing
McAllister, James Russell	Agr	71 $\frac{2}{8}$	* †	Waterman
McAllister, Ralph Hammond	ME		* †	Quincy
McAlpin, Beula Holland	Mus		* †	Marion

McAnnulty, James Terry	Bus	13	* † Springfield
McArthur, Moral Randall	MinE		* † Bicknell, Indiana
McBrien, Charles Christopher	Law	5	* † Mt. Vernon
McBride, Glen Clovis	LawP		* † Decatur
McBroom, Ethel Minnie	SS	6	* † Woodstock
McCabe, Alice Lorraine	HELAS		* † Des Moines, Iowa
McCabe, James Russell	MSE	103	* † Des Moines, Iowa
McCabe, Marie Belle, B.S., 1921	SS	132½	* † Urbana
McCabe, Merrell Linn	SS	7½	* † Charleston
McCaleb, Charles Albert	Jnl	3	* † Chicago
McCall, Arvilla Penney	LAS	66¾	* † Eganston
McCall, Stephen Martin	CE		* † Chicago
McCann, Franklin Adams	Chem	103	* † Quincy
McCann, Thomas Edward	Ath	74	* † Wankegan
McCarroll, Mildred Louise	Bus		* † Little Rock, Arkansas
McCarthy, Harold Berkeley	IndA	71	* † Springfield
McCaskill, Illinois	HELAS	102½	* † Champaign
McCaskill, Valden Maurice	FOM	108¾	* † Champaign
McCaughtry, Ruth Corrine	Lib	35	* † Carthage, Missouri
McCauley, Doris Helen	LAS		* † Hoopston
McCauley, Eleanor Lindsay	LAS		* † Hoopston
McClain, Mary Ellen	LAS sp	3	* † Rome, Georgia
McClallen, Vera Mae	SS	4	* † Peoria
McClellan, Robert Bruce	Agr	33	* † Chicago
McClellan, Velma Elizabeth	SS	6	* † Peoria
McClelland, Harold Alexander	LAS	24	* † Clinton
McClelland, Marion Miller	CE	35	* † Clinton
McClelland, Ralph Lester	IndA	119¾	* † Chicago
McClintick, Allen J	Bus	18	* † Peoria
McCluer, Paul	LAS	85¾	* † Urbana
McClure, Olive Jane	HEAgr (SS)	44	* † Gibson City
McClurg, Lola DeWitt, A.B., 1910	SS	135½	* † Urbana
McColm, Eugene Miller	ChE	102¾	* † Pontiac
McComb, Helen Plummer	LAS		* † Champaign
McCombs, Vera Katherine	LAS		* † Ottawa
McCombs, Wilson Parke	SS		* † Fairmount, Indiana
McConkey, Lysander Humphrey	EE	8	* † Elmhurst
McConkey, Ruth Ileen	LAS		* † Farmer City
McConnell, Abram Bodine	Agr	52	* † Woodstock
McConnell, Dorothy Jane	LAS	69	* † Champaign
McConnell, Everett Jacob	Agr		* † Oconee
McConnell, Helen Evelyn, A.B., 1920	SS	135	* † Champaign
McCord, Leslie Ira	Bus	94	* † Blue Island
McCord, Lois Hall	LAS	104	* † Oxford, Indiana
McCormick, Carl C	SS	18½	* † Vermont
McCormick, Donald Dean	Bus	22	* † Emden
McCormick, John Lynn	LAS	25½	* † Champaign
McCormick, Kenneth Tilton	ChE	114¾	* † Milwaukee, Wisconsin
McCormick, Mildred Elizabeth	LAS	94¾	* † Delavan
McCormick, Ray Elmer	Bus		* † Ambia, Indiana
McCormick, Robert Sudduth	Agr	99	* † Normal
McCormick, Seth Theodore	ME	35	* † Waterloo, Iowa
McCormick, Vera	LAS		* † Urbana
McCorquodale, Donald William	ChE	62	* † Chicago
McCown, Charles Bruce	IndA	27	* † St. Louis, Missouri
McCoy, Florence Mae	SS	48½	* † Danville
McCoy, Glen Archie	LAS	24	* † Centralia
McCoy, Harry Allan	LAS		* † Wichita, Kansas
McCoy, Henry Condell	Agr		* † Golconda
McCoy, William Henry	Bus		* † Rockford
McCreary, Benjamin Franklin	SS	7	* † Urbana
McCulloch, Horace Young	Agr		* † Paris
McCullough, Don William	Bus	36	* † Chicago
McCullough, James Richard	LawP (SS)	26	* † Chicago
McCullough, Robert Osgood	LAS	60¾	* † Marseilles
McCune, Howard Allen	Arch	34	* † Wichita, Kansas
McCune, Thornton Calvert	Bus	27	* † Chicago
McCurdy, Harry Henry	Ath	80½	* † Urbana
McCurdy, Matthew D	AC		* † Two Harbors, Minnesota
McDaniel, Lee Roy	SS	64	* † Martinville
McDaniel, Paul Howard	MedP	31	* † Martinville
McDavitt, Mary Caroline	LAS		* † Quincy
McDavitt, Thomas Virgil	Bus	24	* † Quincy
McDermatt, Margaret	Mus	15	* † Champaign
McDermott, Agnes Theresa	LAS sp (SS)	21	* † Champaign
McDermott, Charles Byran	ChE		* † Morris
McDermott, Francis O'Neill	Accy	69	* † Crescent City
McDermott, Hugh Virgil	SS	7¾	* † Portales, New Mexico
McDevitt, Harold Willard	Agr	15	* † Jacksonville
MacDonald, Bettie	LAS	66¾	* † Chicago
McDonald, Carol Russell	ME	100¾	* † Arthur
McDonald, Donald Everett	IndA	15	* † Aurora
McDonald, Earl George	Chem	97¾	* † Chicago
McDonald, Edward Carroll	EE	72¾	* † Bloomington
McDonald, Helen Emory	LAS		* † Chicago
McDonald, James Joseph	EE	102	* † Clinton, Indiana

McDonald, Timothy Emmett	SS		Champaign
McDonnell, Fred Dwyer	Bus 5p	8	* † Peoria
McDonnell, John Boniface	LAS	65	* † Champaign
McDonnell, Margaret Mary	LAS		* † Champaign
McDougle, Ella Moore	LG	100½	* † Humboldt
McDougle, Ethel Lucille	HELAS (SS)	70	* † Urbana
McDowell, Clarence Merle	ME	72	* † Cedar, Iowa
MacDowell, Francine Elynore	LAS		* † Chicago
McEachran, Curtis Daniel	Bus	30	* † Rockford
McEldowney, Homer Irving	Bus	95½	* † Chicago Heights
McElfresh, Paul Cliff	Bus	81½	* † Westfield
McElroy, George Harold	Bus	33	* † Arzenoville
McElroy, Lester Bly	SS	7½	Seymour
McElvain, Carl Roswell	Bus	27	* Chicago
McElvain, Ralph Carswell	Bus	24½	* Chicago
McElwee, Charles Thomas, Jr.	LawP	32	* † Peoria
McEwan, Digory William	Bus		* † Oak Park
McEwen, Cecil Ray	REE	121	* † McComb, Mississippi
McEwen, Willard Lewis	ChE		* † DeKalb
McFarland, Charles Lee	Agr	91½	* † West Chicago
McFarland, Dorothea Helen	LAS		* † Lafayette, Indiana
McFarland, Kenneth Verne	LawP	8	* Chicago
McFarland, Philip Eugene	LAS		* Chicago
McFarland, Wilfred Myers	Law	57	* † Vincennes, Indiana
McGaughey, George Samuel	LawP	44	* † Staunton
McGawn, Alice Gertrude	HE Agr 5p	9	* † Three Oaks, Michigan
McGeath, John Floyd	Ath		* † Elkhart, Indiana
McGee, Alice Eva	LAS		* † Festus, Missouri
McGee, John Paul	Ath	50	* † Marion Center, Pennsylvania
McGill, Maurice Taylor	Agr	62	* † Watska
McGinness, Alfred John Louis	ChE		* † St. Louis, Missouri
McGinnis, Donald Costly	Bus	105	* † Aurora
McGinnis, Gordon Fiske	LAS	93½	* † Aurora
McGinnis, Ruth	LAS	29½	* † Aurora
McGlashon, Don Walker	SS	5	Doniphan, Missouri
McGrath, Catherine Sadulia	LAS	29	* † Springfield
McGrath, Edna Mary	LAS	50	* † Freeport
McGrath, Irving Thomas	ME	35	* † Chicago
McGaughey, Charles C	LAS		* † Staunton
McGrath, Patrick Martin	Voc 5p	10	* Chicago
McGraw, Hazel Elizabeth	Bus	15	* † Gary, Indiana
McGraw, Margaret Mary	LAS		* † Champaign
MacGregor, Helen Margaret	LAS	30	* † Rockford
McGregor, James Rollin	Bus	35	* † Okaloosa, Iowa
McGregor, Marian C., A.B., 1920	HELAS irr		* † Rockford
McGuire, Daniel Simins	Agr		* † Chicago
McHie, Margaret Logan	LAS		* † Hammond, Indiana
McHose, Joseph Chauncey	Bus	31	* † Griggsville
McIlvain, Leta	Ed	65	* † Champaign
McIlvaine, Robert Louis	EE		* † Oak Park
McIlwain, Wallace Wesley	ME		* † Highland Park
McInnes, Jesse Samuel	EE		* † Sidney
McInnes, John William	Agr		* † Sidney
McIntire, Alta Maud	SS	6	Quincy
MacIntyre, Elbridge Albert	MedP	32	* † Mendota
McIntyre, Margaret Thompson	LAS	63½	* † St. Louis, Missouri
McIntyre, Robert Dilwarth	MedP		* † Troy Grove
McIver, Milo	SS		* † Pullman, Washington
McKean, Leonard Albert	SS	82	Urbana
McKee, Harold Robert	LG		* † Stuart, Iowa
McKee, William Brown	LG		* † Stuart, Iowa
McKeever, Thomas	Bus	90½	* † Chicago
McKelvey, Harold B	LAS	61½	* † Moline
McKenna, Arthur Anthony	Bus		* † Chicago
McKenna, Phillip Joseph, Jr.	FOM	34	* † Chicago
McKeown, Marjorie Evelyn	LAS		* † Stronghurst
McKeown, Thomas Shanks	Bus	86½	* † Hubbard Woods
McKinley, Lura	LAS (SS)	87½	* † Indianapolis, Indiana
McKinney, Ira A	Mus (SS)	92	* † Champaign
MacKinnon, Russell Harrison	EE		* † Amboy
McKinstry, Elizabeth Bennett	LAS	101	* † Grant Park
McKinzie, Ralph	SS	7	Tonkawa, Oklahoma
McKittrick, James Esten	Agr	34	* † Pana
McKnight, Clark Wilson	Bank	81	* † Mason City
McKnight, Dana Inghram	CE		* † Aurora
McKnight, Dorothy Virginia	LAS	34	* † Collinsville
McKown, Lisle William	Agr	36	* † Raymond
McKown, Willa Pauline	LAS	64½	* † Monica
McLain, Virginia Isabella	LAS		* † Springfield
McLain, William Douglas	Ins	90	* † Springfield
McLare, Margaret Esther	LAS	33	* † Chicago
McLarty, Alfred Dewey	LAS (SS)	105½	* † Harvey
McLean, Alice Edna	HELAS (SS)	98½	* † Jewell City, Kansas
McLean, Helen Frances	LAS		* † Peoria
McLean, Jack Flinn	LAS	43	* † Oak Park
McLellan, Mrs. V S	SS	7	Pine Bluff, Arkansas

MacLennan, George John	Bus	31	* † Springfield
McManus, William Albert	Agr	35	* † Chicago
McMeans, Mary	Arch		* † Indianapolis, Indiana
McMillan, Foster Lamont	MedP	30	* † Marissa
McMillan, Margaret	LAS		* † Roseville
McMillan, Paul Edgar	LG	38	* † Sparta
McMillan, Wylie Milfred	EE	71	* † Sparta
MacMillen, James Willard	MinE	35	* † Grayslake
McMillen, Luen Raymond	Bus		* † Princeville
McMullin, Marie	SS	4	* † Tallula
McMunn, Richard Lacey	Agr	75	* † Neoga
McMurray, Hayward Thomas	Agr	104	* † Divernon
McMurtry, Thomas Polglase	AE		* † Chicago
McNair, Francis Gary	CerE	22½	* † Batavia
McNeill, Ada Nora	LAS		* † Chicago
McNeil, Benjamin Franklin	SS	3	* † Miami, Florida
McNeill, Jordan Reese	Agr	73	* † Spur, Texas
McNeill, Lois Adele	HELAS sp	20	* † Champaign
McQueen, Harold George	Arch	134½	* † Missouri Valley, Iowa
McRae, Malcolm William	EE		* † Chicago
McShane, John Joseph	SS	42½	* † East Chicago, Indiana
McTaggart, Clarence Glenn	Arch	90	* † Pana
McTaggart, Clinton Kenneth	Bus	24½	* † Pana
McVey, Garland William	Agr	28½	* † Monmouth
MacWherter, John Evans	SS	3½	* † Decatur
MacWherter, Kile William	SS	3½	* † Decatur
Maas, Carroll Jacob	EE		* † Equality
Mabie, Eleanor	Jnl	31	* † Evanston
Macdonald, Donald	Bus		* † Evanston
Macdonald, James Wear	ME	105½	* † Evanston
Mach, George Robert, B.S., 1921	SS	155	* † Brookfield
Mach, Mrs. Elsie	Mus		* † Chicago
Machamer, Hobart Ellis	AE		* † Kansas City, Missouri
Machamer, Jerome Ellis	MinE	140	* † Wheaton
Machiels, Helen Leona	LAS		* † Benton
Mack, James Franklyn	LAS		* † Bicknell
Mackay, Donald	Agr		* † Urbana
Mackay, Isabel	HELAS		* † Urbana
Macke, Marshall Comer	ChE		* † Chicago Heights
Mackenzie, Clark Ellis	Bus		* † Elgin
Mackie, Alexander Brown	SS	2½	* † Clearfield, Pennsylvania
Madden, William Dillon James	SS	27	* † Cincinnati, Ohio
Maddox, Notley Sinclair	SS	104½	* † Clayton
Madigan, Edward Patrick	SS		* † Ottawa
Madison, Francis William	CE		* † Kankakee
Madison, Raymond Samuel	Accy		* † Kankakee
Madsen, Howard	Voc osp (SS)	20	* † Holton
Maeda, Yutaka Frank	MedP	28	* † Honolulu, Hawaii
Magid, Hyman Singer	CerE	70	* † Chicago
Magnuson, Leonard Gustaf	EE		* † Kansas City, Missouri
Magnuson Raymond Alfred	Bus	41½	* † Chicago
Magnussen, Henry George	IndA	18½	* † Chicago
Magnusson, Leonard Gilbert	CE	30	* † Chicago
Mahannah, Edward Wayne	Voc osp (SS)	25½	* † Dwight
Mahmood, Syed	MinE (SS)	103	* † Bawkipore, India
Mahon, Noah Lawton	Law P	88	* † Crawfordsville, Indiana
Mahoney, Edmund Patrick	ME		* † Chicago
Mai, Florence	LAS	57½	* † Chicago
Main, Howard H	CE	145	* † Rockford
Main, Owen James	Bus	35	* † Casey
Mair, George Nathan	CE	74½	* † Chicago
Majeski, Arthur Edwen	CE	57	* † Chicago
Major, Charles Fredrick	Ath	32	* † Champaign
Major, Mary Katherine	LAS	50	* † Hillsboro
Makeever, Jean	HELAS	32	* † Marseilles
Makeever, Samuel Joseph	LAS		* † Marseilles
Makepeace, Frank George	Agr	102	* † Kansas City, Missouri
Malcolmson, Robert Joseph	REE	108½	* † Urbana
Maldaner, John Charles	Bus		* † Springfield
Malecki, John Daniel	ChE	130½	* † Oak Park
Mallers, Charles Eaton	Bus		* † Chicago
Mallers, Edward Benjamin	LAS (SS)	95½	* † Chicago
Mallers, John Bernard	LAS (SS)	144½	* † Champaign
Mallory, David Milton	Agr		* † Sreator
Malnar, Anna Theresa Frances	SS	76½	* † Rutland
Malone, Dayle G	ME	101½	* † Palmyra
Malone, Edith Helen	SS		* † Pickneyville
Maloney, Charles	SS	6½	* † Bay City, Michigan
Maloney, William Wiley	Bus		* † Chicago
Malsbury, Cecile Ione	HELAS	27	* † Virden
Malsbury, Marshall Raymond, B.S., 1920	SS	145½	* † Virden
Malter, J Mitchell	Arch		* † Chicago
Mandel, Samuel Earl	IndA	55½	* † Chicago
Manley, Florence Virginia	LAS		* † Chicago
Manlove, William Basil	SS	7	* † Evanston
Mann, Harold McKinley	LAS	31	* † Kansas City, Missouri
			* † Danville

Mann, John Collins	Law	60	* † Latham
Mann, John Ellis	Bus	1	* † Metropolis
Mann, Mary Fidelia	HELAS	120%	* † Sullivan, Indiana
Mann, Maurice Edward	Bus	68	* † Elgin
Mann, William Allen	EE	51	* † Kansas City, Missouri
Manning, George Alfred	Accy	13	* † Paris
Manning, Gernon Sargeant	LAS		* † Eganston
Mannon, Mildred	LAS	62	* † Aledo
Manny, William Lincoln	ME	105%	* † Urbana
Mansfield, Russell	IndA	108	* † Chicago
Manzano, Miguel Antonio	LAS		* † Mayagirez, Porto Rico
Mapes, Paul Edwin	SS	7	* † Annawan
Maple, Charles George	SS	1/2	* † Champaign
Maramba, Concepcion Garcia	HEAgr	125%	* † Santa Barbara, P. I.
Marbold, Charlotte Riche	LAS	65	* † Greenview
Marciniak, Jerome Benedict	ChE	61 1/2	* † Chicago
Marcy, John Porter	CE	44	* † Kansas City, Missouri
Maremont, Agatha	LAS		* † Chicago
Margrave, William Bagby	SS	92	* † Thebes
Marion, Thelma Elizabeth	LAS	24	* † Louisiana, Missouri
Market, Frederick Schaefer	CerE	37	* † East St. Louis
Markle, D Lafal	CE		* † Eganston
Marks, Edith May	LAS sp		* † Edwardsville
Markwell, Louis Eugene	Bus		* † Newton
Marlowe, Katharine	HELAS	39	* † Urbana
Maroe, Luella May	SS	95 1/2	* † Rushville
Marquardt, John Walter	EE	87 1/2	* † Urbana
Marr, Hazel Elizabeth	LAS		* † Oak Park
Marr, Richard Searl	Agr	65	* † Oak Park
Marsh, Elsie	SS	19	* † Ogden
Marshall, Bernice Louise	LAS		* † Serena
Marshall, Grace Bernice, A.B., 1921	Lib (SS)	7	* † Jacksonville
Marshall, Lowell Vincent Scheidecker	Agr	63	* † Serena
Marshall, Morris De Bruler	LAS (SS)	80	* † Gibson City
Marshall, Thomas	Bus	76	* † Bernardston, Massachusetts
Marshall, Thomas Holland, A.B., 1921	Law	24	* † Urbana
Marshall, William Forman	Agr	101	* † Belknap
Martens, William Christian	Bus		* † Champaign
Martin, Ava Eugenia	HELAS	68%	* † Odin
Martin, Cecil Laurence	MedP		* † Eldorado
Martin, Charles Leslie	Arch	72	* † Harrisburg
Martin, Duane Leslie	LawP	29	* † Quincy
Martin, Edmund Robert	ChE		* † Chicago
Martin, Edward Davidson	LAS	32	* † Watseka
Martin, Everett Kirby	Bus	96	* † Oak Park
Martin, Fay	LAS	12%	* † Benton
Martin, Harold Easton	RA		* † La Porte, Indiana
Martin, Helen Cecil	LAS		* † Oak Park
Martin, Howard, C. A.B., 1921	CerE irr	135%	* † Grinnell, Iowa
Martin, Mabel Ann	LAS		* † Riverside
Martin, Milford Maurice	CE	128	* † Murphysboro
Martin, Noble Colwell	CE		* † Watson
Martin, Russell Read	LAS	57 1/2	* † Mound City
Martin, Ruth Lucille	LAS	93	* † Milford
Martin, Samuel Loveridge	Bus	23	* † Watseka
Martinic, Lloyd William	Voc vsp		* † Maroa
Martinson, Ernest Leslie	CE	44	* † Paxton
Martorell, Luis de	ME		* † Coruna, Spain
Marty, Katherine Verena	LAS		* † Chicago
Marvel, Gertrude Mary	HELAS	32	* † Waynesville
Marx, Elmer William	Arch	98%	* † Chicago
Marx, Henry Joseph	IndA	96	* † St. Louis, Missouri
Marx, Milton Reuben	LG	115 1/2	* † Chicago
Marzulo, Samuel Charles	AC		* † Rochester, New York
Mascha, Madeleine K	LAS sp (SS)	7	* † Chicago
Mashek, Edward Joseph	EE		* † Collinsville
Mason, Clarence English	ME	31	* † Buda
Mason, David Howard	EE	139	* † Chicago
Mason, Earl Greenfield, B.S., 1921	SS	143	* † Yorkville
Mason, Edward William	LAS	32	* † Urbana
Mason, Glenn Eldridge	Agr		* † Rushville
Mason, Harold Gordon	LAS		* † Libertyville
Mason, Harry Browning	Voc vsp		* † Farmington
Mason, James Bryant, A.B., 1921	SS	136 1/2	* † Urbana
Mason, John Cyrus	MedP	31 1/2	* † Rossville
Mason, Lee, B.S., 1921	SS	139	* † Crawfordsville, Indiana
Masters, Lillian Downs Dolores	Jnl	22	* † Chicago
Matheny, Mrs. Nona Winn	SS	5 1/2	* † Bismarck
Mathew, Paul Jacob	Bus		* † Oskaloosa, Iowa
Mathews, Della Emerzilla	LAS		* † Bement
Mathews, Herschel	Voc vsp		* † Hidalgo
Mathews, John Mabry, A.B., Ph.D., 1906, 1909	Law sp	5	* † Baltimore, Maryland
Mathews, Wallace Bruce	ME	135	* † Fulton, Missouri
Mathis, Albert Ruggles	EE	28	* † Chicago
Mathias, Henry Ruggles	ChE (SS)	73	* † Chicago

Mathis, Alvin Leroy	<i>Ed sp</i>	63½	* † Bloomfield
Mathis, Doris Margaret	<i>LAS</i>		† Chicago
Matkocsik, Arpad Andrew	<i>Accy</i>		* † Westville
Matsumo, Masashi Alfred	<i>RCE</i>		* † Migayiken, Japan
Matthes, Earl Edwin	<i>SS</i>	6	* † Anna
Matthew, Helen	<i>HELAS</i>	100	* † Anderson, Indiana
Matthews, Bernita Jewell	<i>LAS</i>	31	* † Canton
Matthews, Jim P.	<i>SS</i>		† Horatio, Arkansas
Matthews, Otis Reed	<i>Agr sp</i>		† Greencastle, Indiana
Matthews, Wallace Bruce	<i>ME</i>	135	† Fulton, Missouri
Matthys, Clifford James	<i>LG</i>	78	* † Van Wert, Ohio
Mattis, Julia R.	<i>SS</i>		† Champaign
Mattox, Elmo Fleener	<i>Accy</i>	21	* † Ames, Iowa
Mattson, George Waldemar	<i>ME</i>	35	* † Ishpeming, Michigan
Mattson, Raymond Adolph	<i>Arch</i>	35	* † Chicago
Matz, Edward	<i>Bus</i>		† Cincinnati, Ohio
Mauer, John	<i>AC</i>		† Batavia
Mauton, Victor Theodore	<i>Bus</i>		† Coffeen
Mautone, John	<i>Ath</i>		* † South Boone, Massachusetts
Mautz, Rose Irene	<i>LAS</i>	36	* † Shelbyville
Mawby, Ben	<i>EE</i>		* † Aledo
Maxey, James Roy, A.B., 1916	<i>SS</i>		† Shattuck
Maxfield, Elizabeth Allmond	<i>SS</i>	117¾	* † Palmyra
Maxfield, Frank Hiram	<i>Agr</i>	35	* † Tampico
Maxfield, John Asbury	<i>MedP (SS)</i>	35½	* † Palmyra
Maxfield, Lucile Carolyn	<i>SS</i>	60½	† Palmyra
Maxfield, Robert Lowell	<i>SS</i>		† Palmyra
Maxwell, Douglas Irving	<i>ChE</i>	162¾	* † Myra, Texas
Maxwell, Edward Creighton	<i>Bus</i>		* † Lincoln
Maxwell, Martha Adelle	<i>LAS</i>	15	* † Washington, Iowa
Maxwell, Rolland Edward	<i>Agr (SS)</i>	33	* † Urbana
May, Eric Oscar	<i>SS</i>	22½	† Newton
May, Olen Edgar	<i>AE</i>	101¾	* † Newton
May, Truman Ward	<i>Agr</i>	36	* † Windsor
Mayberry, Myers Matkin	<i>ME</i>	184½	* † Farmington, Missouri
Mayer, Sydney Francis	<i>IndA</i>		† Chicago
Mayes, Roy Edward	<i>Bus</i>		* † Champaign
Mayhew, Harry Amos	<i>LAS</i>	47	* † Evanston
Mayhue, Mary Marceline	<i>LAS</i>	35	* † Palestine
Maynard, Stephen Baker, Jr.	<i>Bus</i>	13½	* † Chicago
Mayne, Eugene	<i>Agr</i>		* † El Paso
Mayne, Frank Clarence	<i>ForC</i>	31	* † Kankakee
Mayne, Joseph Ford	<i>CE (SS)</i>	66	* † Little Rock, Arkansas
Mazza, James	<i>Chem</i>		* † Kansas City, Missouri
Meade, Claude Vincent	<i>EE</i>	8	* † Virginia
Meade, Harriet Mary	<i>LAS</i>		* † Pinckneyville
Meagher, John Francis	<i>SS</i>		† Champaign
Meals, Charles Franklin	<i>Bus</i>	36	* † Peoria
Mearns, Jack Greene	<i>MedP</i>	71	* † Kalamazoo, Michigan
Meder, Everett Stanley	<i>AE</i>	118	* † Joliet
Medlyn, Elsie May	<i>SS</i>		† Ironwood, Michigan
Meek, Herschel Dee	<i>Accy</i>	28	* † Parma, Missouri
Meeks, Rosamond Effie	<i>Bus</i>	67½	* † Chicago
Meents, Wendell Evert	<i>Bus sp</i>		* † Ashkum
Meese, Harry John	<i>ChE</i>		* † Oak Park
Mefford, Joseph Isaac	<i>Agr</i>	30	* † Robinson
Megel, George Dewey	<i>Bus</i>	70	* † St. Louis, Missouri
Meier, Henry John	<i>ME</i>	96½	* † Crete
Meier, Mary Catharine	<i>HEAgr</i>	34	* † Urbana
Meier, William Karl	<i>Agr</i>	101	* † Urbana
Meinardi, Dorothy Zoe	<i>LAS</i>		* † Glen Ellyn
Melangton, Robert H.	<i>Eng</i>	63	† Evanston
Melchior, Alvin Carl	<i>Bus (SS)</i>	31	* † Chicago
Melin, George Cornelius	<i>Bus</i>	31	* † Galesburg
Melms, Donald Fred	<i>Bus</i>	31	* † Hampshire
Melton, Presley	<i>CE (SS)</i>	69½	* † English, Indiana
Melvin, Virginia	<i>Mus</i>		† Lawrence, Kansas
Melzer, Evalyn Virginia	<i>LAS</i>	31	* † Belvidere
Menaker, Arnold	<i>ChE</i>	110	* † Chicago
Mendelson, Robert	<i>Bus</i>	31	* † Chicago
Mendenhall, Richard A.	<i>IndA (SS)</i>	85½	* † Evanston
Mendins, Caroline Louise	<i>LAS</i>		* † Chicago
Meneguini, Bertha	<i>SS</i>	6	† Galena
Mengden, Walter Henry	<i>GerE</i>	35	* † Chicago
Menze, Louis Edmond	<i>SS</i>	6½	† Kansas City, Missouri
Menzemer, Lisle William	<i>Bus</i>		* † Galena
Mercer, Clifford Chester	<i>Ath</i>	20½	* † Vermont
Mercer, Fred Olen	<i>Law</i>		* † Vermont
Mercer, Harold	<i>Bus</i>		* † Morristown
Mercer, Janet	<i>SS</i>		† Paris
Merchant, Marie Sibylla	<i>LAS</i>		* † Waukegan
Meredith, Calvin Mateer	<i>Agr</i>	60	* † Byron
Meriwether, Shannon	<i>Arch</i>	145	* † Kansas City, Missouri
Merker, Dorothy Jean	<i>LAS</i>	28	* † East St. Louis
Merki, Walter Emil	<i>Ins</i>		* † Chicago
Merriam, Theodore Howard	<i>Agr</i>	73¾	* † La Grange

Merrill, Robert Arthur	CE		* †	Maywood
Merrills, Wayne	CE&L		* †	Belleville
Merritt, James Francis	Bus		* †	Berwyn
Merryman, Mrs. Nannie McIlvain	SS	65	* †	Champaign
Merryweather, Paul Charles	Bus	54½	* †	Anderson, Indiana
Mersbach, Robert Herman	Bus		* †	Chicago
Mersereau, Anne Valerie	Bus	67	* †	Urbana
Mersereau, John Randolph	LAS		* †	La Grange
Mershimer, Mrs. Ruth Thompson	Mus	17	* †	Urbana
Mertsky, Grace Charlotte	HELAS		* †	Western Springs
Merz, Russell Albert	MinE	108½	* †	Omaha, Neb.
Messinger, Earle Philip	ME	107	* †	New Canaan, Connecticut
Messinger, Lester Hubert	ME ssp	76	* †	New Canaan, Connecticut
Messner, Daniel Kingston	Law		* †	Oxford, Indiana
Metcalf, Owen Ellsworth	Arch		* †	Gurnee
Mette, Gertrude Emily	Arch	71	* †	Eureka
Mette, Minnie Isobel	LAS	65	* †	Eureka
Metz, Velma Marie	LAS	48½	* †	Champaign
Metzger, Elisha Albright	MedP (SS)		* †	Covington, Indiana
Metzger, Freda Elizabeth	Ed	67	* †	Tower Hill
Mewes, Frederic Theodore	CE	106½	* †	Urbana
Meyer, Claire Victoria	HELAS	34	* †	Highland
Meyer, Clarence Charles	Agr	106	* †	Chicago
Meyer, Clarence Herman	Bus	68½	* †	Quincy
Meyer, Frank Louis	ME	5	* †	Peoria
Meyer, Frederick Walter	LawP	28	* †	Lexington
Meyer, George	Bus	68	* †	Chicago
Meyer, George William	Bus	69	* †	St. Louis, Missouri
Meyer, Helen Florence	HELAS	88	* †	Highland
Meyer, Henry Edward	Bus	28	* †	Chicago
Meyer, James Harold	Chem (SS)	40	* †	Louisville, Kentucky
Meyer, Marjorie	Bus		* †	Milford
Meyer, Roy Bicknell	Accy	32	* †	Chicago
Meyer, Roy Edward	ME	70½	* †	Peoria
Meyer, Ruth Matilda	LAS	35	* †	Havana
Meyer, Sophia Dorothy	HELAS		* †	Milford
Meyer, Walter Martin	Agr sp	28	* †	Placencia, California
Meyer, William Henry	Agr	50	* †	Beardstown
Meyer, William Phillipson	Agr		* †	Pamaleo
Meyers, Joseph Ormond	Bus	2½	* †	Henry
Mican, George	ME	8	* †	Chicago
Michael, Beatrice Anne	SS	29	* †	Champaign
Michael, Frank Lester	CerE	34	* †	Peoria
Michael, Lionel Bertam	CE		* †	Champaign
Michael, Viola Mae	LAS	31	* †	Urbana
Michael, William Conrad	EE	33	* †	Elmhurst
Michaels, Marion	LAS		* †	Chicago
Michalek, John Clarke	Chem	59	* †	Chicago Heights
Michot, Louis Ozanne	EE		* †	Louisville, Kentucky
Middleton, Alice	HELAS		* †	Chicago Heights
Middleton, Errol Bathurst, A.B., M.S., 1919, 1921	SS			Victoria, Texas
Middleton, James Dent	CE&L (SS)	5	*	Victoria, Texas
Middleton, Jonathan Erfft	IndA	12	* †	Pontiac
Midkirk, Jewel Reuben	Bus (SS)	67	* †	Belvidere
Midwinter, Mary Elizabeth	SS		* †	Arcola
Mieher, Edward Christopher	Agr		* †	Nilwood
Miers, Clayton Thomas	Arch		* †	Decatur
Mighell, Albert Thomas	Agr	120½	* †	Aurora
Mikesell, Helen Beatrice	LAS	32	* †	Tl. Wayne, Indiana
Miles, James Rufus	Agr	30	* †	Urbana
Miles, Leon Rolffe	Agr	71	* †	Walnut
Miles, Lois Catherine	HELAS		* †	Walnut
Miles, Lydia Clements	SS	118½	* †	Chicago
Miles, Margaret Leslie, A.B., 1921	SS	130	* †	La Grange
Miles, Phyllis Mary Bruce	LS	29	* †	Urbana
Miles, Rena Estelle	HEAgr		* †	Walnut
Millar, Edith May	HEAgr		* †	Urbana
Millar, Julian Zimmerman	EE	68	* †	Mattoon
Millar, Melvin Oscar	LAS (SS)	44½	* †	Urbana
Millard, Laurance Oscar	ME	8	* †	Reed City, Michigan
Miller, Andrew Kley	LAS	68	* †	Quincy
Miller, Anne Marion	LAS	10	* †	Chicago
Miller, Carl George	Bus		* †	Staunton
Miller, Carl John	ChE (SS)	25½	* †	Danville
Miller, Carl Robeson	Bus		* †	Decatur
Miller, Carmi Edward	EE		* †	Champaign
Miller, Chalmers Epling	ME	61	* †	Joliet
Miller, Charles Edwin	EE		* †	Carrier Mills
Miller, Cora Kathryn	LAS	34	* †	Villa Grove
Miller, Del Gratia	LAS	31	* †	Chicago
Miller, Eldon Stiles	Bus		* †	Egerton, Missouri
Miller, Ernest Roy	SS	5½	* †	Waterloo, Ohio
Miller, Esther Linnia	SHHEAgr	59	* †	Rockford
Miller, Frank Arthur, Jr.	CE		* †	Chicago
Miller, Garnet O'Bryan	Mus	26½	* †	Champaign

Miller, George Ludwick	IndA	61 $\frac{2}{3}$	* † Wilkinsburg, Pennsylvania
Miller, George Patrick	SS	7 $\frac{2}{3}$	* † Oshkosh, Wisconsin
Miller, Harold Hammond	Agr	36	* † Champaign
Miller, Harold Raymond	Bus		* † Dayton, Ohio
Miller, Helen Catherine	ComT	60	* † Chicago
Miller, Isadore Louis	Bus		* † Shelbyville, Indiana
Miller, Katherine Fay	LAS	101 $\frac{1}{2}$	* † Centralia
Miller, Lawrence Byrne	Agr	47 $\frac{2}{3}$	* † Rockford
Miller, Leslie E.	Bus		* † Champaign
Miller, Lewis	Ath		* † Metropolis
Miller, Lewis Elbert	ME	55	* † Paw Paw
Miller, Lillian Dolores	LAS	31	* † Toledo
Miller, Lloyd Kenneth	Bus		* † Ellsworth
Miller, Louis Joseph	CE	101 $\frac{1}{6}$	* † Chicago
Miller, Marlin	Bus		* † South Bend, Indiana
Miller, Mary Elizabeth	LAS	30	* † Oak Park
Miller, Mary Hazel	SS	10	* † Indianola
Miller, Mary Norene	LAS	90	* † Lebanon, Indiana
Miller, Maude Marie	HELAS	99	* † St. Louis, Missouri
Miller, Millage Clinton	LAS		* † Urbana
Miller, Oliver David	Agr	103 $\frac{1}{3}$	* † Princeton
Miller, Philip Louis	LAS	47	* † West Point
Miller, Ralph Walter	Chem	53	* † Chicago
Miller, Robert Cantlish	SS		* † Rockford
Miller, Robert Preston, Jr.	LAS		* † Shipman
Miller, Mrs. R B	SS		* † Champaign
Miller, Roy Andrew	Bus		* † Urbana
Miller, Stuart Eaton	CE	30	* † Chicago
Miller, William John	Accy	28	* † Canton
Miller, William Joseph	Agr	120 $\frac{1}{2}$	* † Jacksonville
Milles, George	MedP	36	* † Chicago
Milligan, David Austi	Agr	35	* † Shelbyville
Milligan, George W	CE	59	* † Harvard
Milligan, Robert Edward	ChE	100 $\frac{3}{4}$	* † Denver, Colorado
Milliken, Vincent Dewey	ME	8	* † Chicago
Mills, Abe	Agr	82 $\frac{1}{2}$	* † Chicago
Mills, Carlos Pinkstaff	CE		* † Lawrenceville
Mills, Gail A	Accy (SS)	48	* † Mooresville
Mills, Hayden Robert	LAS		* † Oak Park
Mills, John Harold	ChE	32	* † Dayton, Ohio
Mills, Robert Rourke	CE	62	* † Washington, D.C.
Mills, Victor Churchill	LAS	47	* † Warsaw
Millsom, Alfred Leroy	LAS	97	* † Macomb
Milner, Reid Thompson	ChE	41	* † Evanston
Mine, Yoshijiro, A.B., 1918	SS		* † Ehime, Japan
Miners, Verne Thomas	ME (SS)	64 $\frac{2}{3}$	* † Rockford
Minier, Frederick Sylveste	EE	38	* † Highland, Kansas
Minier, John Philip	LawP		* † Benton
Minnick, Leone Marie	LAS	62	* † East Dubuque
Minnis, Louise Eleene	LAS	96 $\frac{1}{2}$	* † Chicago
Minor, Lee Hestlet	Agr	49	* † Champaign
Minor, Virginia Edith	LAS		* † Metropolis
Miranda, Octacilio	Chem (SS)	80 $\frac{2}{3}$	* † Rio de Janeiro, Brazil
Missimer, Dale Johnson	ME	137 $\frac{3}{4}$	* † Champaign
Missman, Lena Elizabeth	Jnl	5	* † Dixon
Mitchell, Albert George	LAS		* † St. Louis, Missouri
Mitchell, Claudius Elias	EE (SS)	85	* † Effingham
Mitchell, Daniel Palmer	Ed (SS)	85	* † Effingham
Mitchell, Eric Herman	IndA	38	* † Champaign
Mitchell, Ethel Marie	LAS		* † Roseville
Mitchell, Eula May	Bus		* † Champaign
Mitchell, Howard Arthur	Bus		* † Virden
Mitchell, Mamie Lillian	LAS		* † Danville
Mitchell, Metta May	LAS	44 $\frac{1}{3}$	* † Lake Forest
Mitchell, Orvall Oran	Agr (SS)	41	* † Newton
Mitchell, Paul Martin	Law	64	* † Wheaton
Mitchell, Wallace Archie	Bus		* † Sannemin
Mitchell, Wilbur Arthur Emmons	LawP		* † Wheaton
Mitchem, John Foster	LAS	34	* † Harvard
Mitelman, Leon	ME (SS)	106	* † Chicago
Mitenbuler, Robert Lathrop	Bus	67	* † Chicago
Mittelbusher, Edwin Henry	Arch	34	* † Davenport, Iowa
Mittendorf, Mrs. Mary	SS		* † Champaign
Mittler, George William	Bus		* † Chicago
Mochon, Floyd Oliver	IndA	34	* † Lead, South Dakota
Mock, Ina Lorena	SS		* † Mattoon
Mochlenhof, George John	Agr		* † Hanna City
Moffet, Edna Vancil	LAS	40	* † Modesto
Moffet, Everett	Bank	65	* † Springfield
Moffet, Warren	Agr	110 $\frac{1}{2}$	* † Modesto
Moffet, William Theodore	EE	71	* † Washington, D. C.
Moffett, John Franklin	Agr	56	* † Ashmore
Mogler, Walter Rudolph	AE	82	* † Rock Island
Mohan, Edgar Herbert	LAS	102 $\frac{2}{3}$	* † Chicago
Mohn, Paul Leonard	ChE	54	* † Jacksonville

Mohr, Albert William Terry	<i>IndA</i>	100	* † Chicago
Mohr, Louis Edward	<i>CE</i>	72	* † Chicago
Mojzis, Charles	<i>CE</i>		* † Chicago
Moller, Robert Arthur	<i>IndA</i>	50	* † East St. Louis
Mollman, Elmer Henry	<i>ME</i>	05	* † East St. Louis
Mollman, Libbert Arthur	<i>EE</i>		* † Millstadt
Molohon, Frank Lambert	<i>EE</i>	63	* † Diernon
Molz, Cleopha Helen	<i>Bank</i>	31	* † Murphysboro
Monahan, August Robert	<i>ME</i>		* † Chicago
Mong, Kuang Chao	<i>CE</i>		* † Kwei Yang, China
Monier, John Lawrence	<i>Bus</i>		* † Champaign
Monk, Ralph Morten	<i>C&L</i>		* † Macomb
Monnier, Eustace	<i>Agr</i>		* † Elizabeth
Monohan, Irma Naomi, B.S., 1920	<i>SS</i>	132 $\frac{3}{4}$	<i>Urbana</i>
Monro, Donald Austin	<i>ME</i>	107	* † Fort Smith, Arkansas
Monson, George Edwin	<i>SS</i>		<i>Watertown, Minnesota</i>
Monsson, William Henry	<i>ChE</i>	80	* † Chicago
Montgomery, John Waldo	<i>LAS</i>		* † Highland Park
Montgomery, Ruth Ann	<i>LAS</i>		* † St. Paul, Minnesota
Monti, Don	<i>EE</i>	36	* † West Frankfort
Montzheimer, Arthur Mosher	<i>ChE</i>	121 $\frac{1}{3}$	* † Joliet
Moody, Paul Andrews	<i>ME</i>	107 $\frac{1}{6}$	* † Elgin
Moore, Addison Gerald	<i>SS</i>	8	<i>Flora, Indiana</i>
Moore, Bernice Hawthorne	<i>SS</i>	6 $\frac{1}{2}$	<i>Champaign</i>
Moore, Clarence Mason	<i>Agr</i>	103 $\frac{2}{3}$	* † Danville
Moore, Dorothy Lucretia Ruth	<i>HELAS (SS)</i>	8	<i>Bismarck</i>
Moore, Dwight Leonard	<i>Agr</i>	20	* † New Salem
Moore, George St. Clair	<i>Accy</i>		* † Benton
Moore, Goodloe Edward	<i>CE</i>	42	* † Danville
Moore, Helen Jane	<i>LAS</i>		* † Newnan
Moore, Joseph Earl	<i>ME</i>		* † Canton
Moore, Laura Ann	<i>HEAgr</i>	97	* † Otterbein, Indiana
Moore, Leslie Wibber	<i>Agr</i>	53	* † Otterbein, Indiana
Moore, Lucy Chloe	<i>SHHEEd</i>	60	* † Equality
Moore, Margaret Jane	<i>LAS</i>	25	* † Danville
Moore, Marion Joseph	<i>Accy</i>	24	* † Benton
Moore, Mary Eulalia	<i>SS</i>	7	<i>Springfield</i>
Moore, Maude Myrtle	<i>LAS (SS)</i>		* † Elwood, Indiana
Moore, Perry Oliver	<i>Agr</i>	30	* † Otterbein, Indiana
Moore, Robert Frank	<i>CE</i>	119	* † Springfield, Missouri
Moore, Virginia E	<i>LG</i>	54	* † Benton
Moore, William Hartnell	<i>Bus</i>	51 $\frac{1}{2}$	* † Kewanee
Moorhead, Margaret Jane	<i>LAS</i>		* † Champaign
Moorhead, Robert Dean	<i>SS</i>	7 $\frac{1}{6}$	<i>Stuttgart, Arkansas</i>
Moorman, Richard Harry	<i>SS</i>	28 $\frac{1}{2}$	<i>Chicago</i>
Morc, Grace Van Dyke	<i>Mus (SS)</i>	103	* † Urbana
Morehead, Carl Flanders	<i>Bus</i>	70	* † Shelbyville
Moreland, William Henry	<i>CerE</i>		<i>Urbana</i>
Moreno, Gerardo	<i>EE</i>	74	* † Manila, Philippine Islands
Morgan, George Newell	<i>Flor</i>	98	* † Elgin
Morgan, Irving Bancroft	<i>ChE (SS)</i>	125 $\frac{2}{3}$	* † Buffalo, New York
Morgan, Iva Elizabeth	<i>LAS</i>	90	* † Vienna
Morgan, Juanita	<i>LAS</i>	96 $\frac{2}{3}$	* † Elgin
Morgan, Marjorie Muriel	<i>LAS</i>	50	* † Peoria
Morgan, Muriel	<i>LAS</i>	95	* † Granite City
Morgan, Norris Gould	<i>Agr</i>	51	* † Galva
Morgan, Theron William	<i>ME</i>		* † Chicago
Morgan, Willard Amos, B.S., 1921	<i>SS</i>	136 $\frac{1}{2}$	<i>Bone Gap</i>
Morrell, Essie Adele	<i>LAS</i>		* † Canton
Morris, Dorothy Elizabeth	<i>SS</i>	31	<i>Urbana</i>
Morris, Evan Richard	<i>ChE</i>		* † Chicago
Morris, George Elwood	<i>MinE</i>		* † Danville
Morris, Inez Lucile	<i>SS</i>	8	<i>Bluford</i>
Morris, James Matthew	<i>MedP</i>		* † Harrisburg
Morris, Lewis Vincent	<i>Bus</i>	28	* † West Liberty, Iowa
Morris, Nellie Fern	<i>SS</i>	8	<i>Oblong</i>
Morris, Seth Bradley	<i>CE</i>	60	* † Palatine
Morris, Thomas Baker	<i>CE</i>	18 $\frac{1}{2}$	* † Marshall, Texas
Morrison, Clay Alexander	<i>Agr</i>	115	* † Muncie, Indiana
Morrison, Elmer Duncan	<i>Agr</i>	32	* † Peotone
Morrison, Robert Rees	<i>Agr</i>	51 $\frac{1}{2}$	* † Savoy
Morrison, Thomas Rominger	<i>Bus</i>	86 $\frac{3}{8}$	* † Greensburg, Indiana
Morrison, Voris Leo	<i>Bus</i>		* † Ramsey
Morriss, Thomas Edward	<i>Bus</i>		* † Chicago
Morrissey, Georgia Neville	<i>SS</i>		<i>Urbana</i>
Morrissey, Thomas Cotter	<i>SS</i>		<i>Bloomington</i>
Morrow, Charles Edward	<i>ME</i>	70 $\frac{1}{2}$	* † Champaign
Morrow, Thomas William	<i>Int</i>		* † Champaign
Morsch, Grace Emma	<i>LAS</i>		* † Hinckley
Mortenson, Ethel Elvira Berenice	<i>LAS</i>		* † Chicago
Mortenson, Florence Evelyn	<i>LAS</i>		* † Chicago
Morton, Roscoe William	<i>ME</i>	54	* † Downers Grove
Mosbaugh, Louie Joseph	<i>Bus</i>	38 $\frac{1}{2}$	* † Arcadia, Indiana
Mosley, Addison Chester	<i>ForC</i>	27	* † Chicago
Moser, Rosalie Barbara	<i>LAS</i>	97 $\frac{2}{3}$	* † Maywood
Moses, Dudley Bertie David	<i>Agr</i>	59	* † Johannesburg, South Africa

Moses, Horace Irving	Arch	36	* † Oak Park
Moss, Bertram Bernard	Bus		* † Chicago
Moten, Frederick Eugene	Agr (SS)	60½	* † Chicago
Motley, Loren Alva	Agr	55½	* † Virden
Motley, Ralph Edward	Bus	30	* † Richmond, Indiana
Motschman, Alberta Viola	Bus	16	* † Chicago
Mott, Richard Merritt	ME (SS)	74	* † Rockford
Mottar, Roland Francis	LAS (SS)	66	* † Springfield
Mougin, Edna Harriet	LAS		* † Elizabeth
Mougin, Gladys Catherine	SS	4	* † Elizabeth
Moulton, George Foss	Eng (SS)	102¾	* † Chicago
Moulton, Margaret Jane	LAS (SS)	32½	* † Oak Park
Mount, Helen Adrienne	LAS	77¾	* † Evanston
Mount, Robert Merle	SS	59½	* † Chicago Heights
Mountain, Dorothy Stayert	LAS		* † Gary, Indiana
Mowery, Ralph Edward	Accy	69	* † Ullin
Moxley, Martha Ver Dier	LAS		* † Little Rock, Arkansas
Moyer, Andrew Jackson	EE	19	* † Paris
Moyer, Clema Grace	Ed (SS)	112½	* † Mattoon
Moyer, Frank Alexander	Bus	27	* † Paris
Moyer, Harold Ernest	Bus		* † Naperville
Moyer, Louise Patricia	LAS		* † Rockford
Moyer, Waldo Briggs	CE		* † Mathias, West Virginia
Mozley, Virginia Frances	HEAgr		* † Johnson City
Mracek, John, Jr.	ChE	21	* † Chicago
Muchmore, Ethel Eugenia	HEAgr	56	* † Oblong
Muchmore, Mable Valeria	HEAgr	63	* † Oblong
Muller, Anita Rosemil	LAS		* † St. Louis, Missouri
Muller, Frederick William	ME	57	* † Chicago
Mueller, Margaret Wilhelmine	LAS (SS)	47½	* † Tower Hill
Mueller, Russell Arthur	EE	92½	* † Belleville
Mueller, Thomas Edward	Ind A (SS)	54	* † Oak Park
Mueller, Waldo George	Bus		* † Belleville
Mueller, Walter Alfred	AE	112¾	* † Chicago
Mueller, Walter Earnest	EE (SS)	34	* † Tower Hill
Mueller, Walter Lewis	Bus		* † Greenville
Mugge, George Hudson, B.S., 1921	SS	130½	* † Harrisburg
Mui, Wing Fai	RCE		* † Milwaukee, Wisconsin
Muir, William G	SS		* † Champaign
Mulberry, Minnie Lorena	Bus	94	* † East St. Louis
Mulford, Charles William	LAS		* † Rockford
Mullen, Joseph Thomas	LAS	8½	* † Champaign
Mullen, Lawrence Ray	Jnl		* † Urbana
Mullen, Mary Ellen	Bus sp		* † Cheltenham, Pennsylvania
Mullen, Vern Elmo	Ath	32	* † Taylorville
Mullen, Floyd Minch	ForC	40	* † Washington
Muller, Mrs. Gertrude Emerson	LG		* † Urbana
Muller, Joseph Percy	Agr		* † Rockford
Muller, Julius	ME (SS)	9	* † Urbana
Mullins, Anna Marie	HELAS	27	* † Champaign
Mumford, Dwight Curtis	Agr	67	* † Urbana
Mumford, Mary Caroline	HELAS	28	* † Urbana
Mumma, Clarence William	SS	8	* † Urbana
Muncie, John Dwight	LAS	62½	* † Dayton, Ohio
Muncie, Wendell Stanley, B.S., 1921	SS	141	* † Olney
Mundorf, Wilbert Winter	Bus	32	* † Marshall
Mundy, Charles Algy	Bus	91	* † Chicago
Mundy, Otto Seraphim	CerE	74	* † Huntingburg, Indiana
Munroe, Helen Lydia	LAS	62	* † River Forest
Munsell, Roy Clifton	Bank	42	* † Henryetta, Oklahoma
Munson, Lyle Walfred	Agr		* † Magnolia
Munson, Mary Moore	HEAgr	56	* † Champaign
Munsterman, Francis Aloysius	Law sp	24	* † Jerseyville
Murch, Edith Jessie	LG	66	* † St. Louis, Missouri
Murch, Lucille	Ed	60	* † St. Louis, Missouri
Murch, Mildred	LAS	72	* † St. Louis, Missouri
Murdoch, Robert Emerson	Bus		* † Washington, Indiana
Murdock, Elizabeth Adams, A.B., 1917	SS		* † Champaign
Murphey, Helen Catherine	LAS sp		* † Champaign
Murphey, Lillian Ruth	LAS sp		* † Champaign
Murphy, Arthur Rowan	ChE	113	* † Milwaukee, Wisconsin
Murphy, Bert Kenneth	Bus (SS)	123	* † Stockton
Murphy, Charles Jerome	ME (SS)	52	* † Indianapolis, Indiana
Murphy, Daniel Cornelius	ME	71	* † Rock Island
Murphy, Edwin Brookfield	LawP	25½	* † Sterling
Murphy, Florence Victoria	LAS (SS)	50	* † Tuscola
Murphy, Harold Joseph	IndA	53½	* † Aurora
Murphy, Harvey Clyde	CE&L (SS)	67½	* † Harrisburg
Murphy, James Francis	Agr	45½	* † Lovington
Murphy, John Russell	SS	7½	* † Denver, Colorado
Murphy, Joseph Vincent	LawP		* † Chicago
Murphy, Laurence Webster	Agr (SS)	63	* † Canton
Murphy, Lois Mae	LAS		* † Champaign
Murphy, Mildred Travis	LAS (SS)	101½	* † Waukega
Murphy, William Delmer	Agr	35	* † Bement
Murray, Adam Royal	Agr	30	* † Arrowsmith

Murray, Clarence Robert	ME	40½	* †	Menominee, Michigan
Murray, Donald Bruce	Bus	94½	* †	Springfield
Murray, John Ross	CE	05	* †	Harvard
Murray, Martha Lucy	LAS (SS)	93	* †	Centralia
Murray, Mary, A.B., 1912	Lib	15	* †	River Forest
Murray, Nevada Elizabeth	LAS		* †	Champaign
Murray, Ralph Walter	EE	67	* †	Stockton
Murray, Reada Claire	LAS		* †	Hinsdale
Murray, Rowland Hill	Bus	69	* †	Chicago
Murray, Samuel Walter	Accy	79	* †	Menominee, Michigan
Murray, Steele	Voc vs p	19	* †	Joliet
Murray, William Norman, Jr.	Ind A		* †	Chicago
Murrell, Raymond	EE		* †	Shelbyville, Indiana
Murry, Willard Joseph	Agr	30½	* †	Batavia
Murton, Arthur Edward	Min E		* †	Allon
Muschott, Stewart Edward	ME	8	* †	Joliet
Muse, Luther Lee	Ath (SS)	12½	* †	Senath, Missouri
Musfeldt, Rhoda Maria	LAS	67	* †	Rock Island
Musgrove, John Ernest	Agr		* †	Martinsville, Indiana
Musick, Ralph Eugene	Med P		* †	Lincoln
Musselman, Harold Z	SS		* †	LaNark
Musson, Arthur Stowell	Ind A	66	* †	Moline
Myalski, Walter Aloys	Accy		* †	Chicago
Myers, Edwin Lowell	Ed	105	* †	Glenn Ellyn
Myers, Fern Bernice	HELAS	58	* †	Bloomington
Myers, Frances Helen	Bus	67	* †	Champaign
Myers, Franklin Rudolf	LAS	82½	* †	New York, New York
Myers, Harold Bain	Accy	94	* †	Decatur
Myers, John Croft	SS	8½	*	Marion, Pennsylvania
Myers, Joshua Jay	Agr		*	Varna
Myers, Kenneth Hayes	Agr	100	* †	Wendon
Myers, Lydia Eva Theresa	SS	3	*	Urbana
Myers, Mary Estelle	LAS		* †	Olney
Myers, Mildred Esther	LAS		* †	Decatur
Myers, Raymond Carter	Agr sp		* †	Decatur
Myers, Virginia Emma	LAS	60	* †	Carbondale
Myers, Wilfred Stanley	EE		* †	Mendon
Myler, William Edward	For C	35¾	* †	Detroit, Michigan
Myrick, Burdell Noel	Bus		* †	Chestnut
Mysch, Herbert Paul	Bus	32	* †	Decatur
Naber, Kathryn	LAS		* †	Wabash, Indiana
Naber, Marie	LAS	32	* †	Wabash, Indiana
Nadsen, Kai Noritz Ove	Arch (SS)	46	* †	Milwaukee, Wisconsin
Naef, Robert William	AE	71	* †	Whiting, Indiana
Nagel, Frederic Emil, Jr.	Bus	26	* †	La Grange
Nagel, Gertrude Elizabeth	LAS	67	* †	Chicago
Nagele, Frederick Harold	Arch	33	* †	Indianapolis, Indiana
Nagle, Perry Ira	ME	104½	* †	Chicago Heights
Nagle, Sybil Kathryn	LAS sp	8	* †	Urbana
Naidu, Pagadala Narasimule Ethirajulu	Chem (SS)	83½	* †	Bangalore, India
Nance, Oliver Odell	SS	24½	*	Urbana
Napierski, Stephen Emanuel	AE		* †	Des Plaines
Naramore, Milton Orlando, Jr.	EE	118	* †	Evanson
Naselli, Attilio Vincent	Ind A	46	* †	Chicago
Nash, Herbert Thomas	Med P	8½	* †	Chicago
Nash, Justin Russell	Ch E	61	* †	Belvidere
Nations, Leroy J	LAS	95	* †	Shawnee, Oklahoma
Naughton, Frank Usher, Jr.	Agr	100½	* †	Champaign
Nauman, Grayden Church	Ind A	34	* †	Waterloo, Iowa
Naumann, Karl Rudolph	Accy	8	* †	Joliet
Nay, Bernard Everett	Bus	26	* †	Marshall
Naylor, Dorothy Virginia	LAS	31	* †	Chicago
Naylor, Ralph Edmond	CE	155	* †	Chicago
Naylor, Mulki Ray	Cer P		* †	Punjab, India
Neagle, Richard John	Law P	34	* †	Kewanee
Neathery, Verna Esta	HE Agr	36	* †	Greenville
Neave, Sidney Lionel	Chem sp (SS)	19	* †	Victoria, Canada
Nebeker, Helen Rhonda	HELAS		* †	Salt Lake City, Utah
Nee, Kwan Chi	Bus		* †	Shanghai, China
Needham, Alfred Allen	Agr	97½	* †	Rockford
Needham, Carrie	SS	62	*	Urbana
Needham, Catharine, A.B., A.M., 1918, 1919	SS		*	Urbana
Needham, Grace Alice	LAS	32	* †	Urbana
Needham, John Wilbert	AE	64½	* †	Urbana
Needler, David Wesley	C&L		* †	Chicago
Needler, Elizabeth Gertrude	LAS	27	* †	Chicago
Needler, Lowell Quiggle	Bus	103	* †	Chicago
Neff, Grace Viola	Jnl		* †	Chicago
Negley, Scott Robertson	EE (SS)	107½	* †	Farmington
Ncill, Walter	Bus	79	* †	West Terre Haute, Indiana
Neiswanger, Samuel Owen	Cer E	83	* †	Oakalooza, Iowa
Neiswanger, Wandaline Elizabeth	LAS	98½	* †	Washington, Iowa
Nelms, William Chandler	C&L (SS)	61	*	Springfield, Iowa
Nelson, Alva King	CE sp (SS)	7	*	Danville
Nelson, Arleisle Marie	LAS	28	*	Champaign
Nelson, Arthur Edwin	ME	115½	* †	Springfield

Nelson, Arthur Elis	IndA	30	† Evanston
Nelson, Arthur Stacey	LawP	18	* † St. Charles
Nelson, Carl Randall	EE		* † Council Bluffs, Iowa
Nelson, Charlotte Augusta	Bus	86½	* † Urbana
Nelson, Chester George	Agr		* † Chicago
Nelson, Earl Loyal	EE	108½	* † Rockford
Nelson, Edwin Avery	MEP		* † Watertown, New York
Nelson, Enar Wellington	AED	26	* † Winnetka
Nelson, Ernest Alfred	CE	04	* † Chicago
Nelson, Franklin Christian	Agr	01	* † Ashkum
Nelson, George Thomas	AE	32	* † Chicago
Nelson, Gladys Elizabeth	ComT	21	* † Chicago
Nelson, Gordon Vernon	CE	41	* † Paynesville, Minnesota
Nelson, Gustave Ferdinand	Law	38	* † Chicago
Nelson, John Walter	Bus sp	34	* † Wilmette
Nelson, Joseph Arvin	AE	95	* † Chicago
Nelson, Leonard Nels	ChE	77	* † East Moline
Nelson, Maud Irene	LAS	31	* † Chicago
Nelson, Maurice Walter	Bus	26	* † Chicago
Nelson, Raymond Carl	Agr	35	* † De Kalb
Nelson, Ruben Otto	CE	07	* † Berwyn
Nelson, Sadie Ruth	LAS		* † Champaign
Nelson, Wallace Alan	ForC	35	* † South Bend, Indiana
Nelson, Walter Nicholas	CE sp		* † New London, Connecticut
Nemitz, Emil Charles	ChemE (SS)	112	* † Chicago
Nemoyer, Jason Wallace	M&SE	83½	* † Champaign
Nerad, Frank	Bus	32	* † Oak Park
Nesbitt, Estella Elizabeth	HELAS	08	* † New Richmond, Indiana
Nesbitt, Herbert Franklin	Agr	27	* † Urbana
Nesbitt, Kenneth Alexander	CerE	8½	* † Pinckneyville
Nesbitt, Pearl Judith	LAS	33	* † Urbana
Netcott, Victor A	AE	37	* † Waterloo, Iowa
Neth, Frank Arthur	Bus	31	* † Piqua, Ohio
Neth, John Hubert	IndA	124	* † Eaton, Ohio
Netz, Ralph Morton	Bus	102	† Toledo, Ohio
Neubauer, Jacob George	EE	36	* † Champaign
Neuber, Anna Louise	LAS	93	* † Litchfield
Neuberger, Abraham	Bus		* † Chicago
Neuenschwander, Milo Hugo, A.B., 1921	SS	136	† Champaign
Neuman, Irma Helen	Bus	15	* † Chicago
Neumann, Robert Louis	Accy	75½	* † Kokomo, Indiana
Neville, Cleda Blanche	LAS (SS)	02	* † Pinckneyville
Neville, Harry Clay	Agr	03	* † Pinckneyville
Nevin, Henry Wells	Bus	49	* † Atlanta, Georgia
Newbold, Allyn Davis	CE	72	* † Joliet
Newburn, Gene Edgar	SHAAgr	71	* † Hoopston
Newby, Mayben Proctor	Bus	100	* † Kansas City, Missouri
Newcomb, Edward Charles	Arch (SS)	01	* † La Crosse, Wisconsin
Newcomer, Hale Lloyd	LAS	64½	* † Mason City, Iowa
Newell, Horace Mead	Agr	33	* † Kirkswood, Missouri
Newenham, Gladys Mary	SS	7	† Hersman
Newenham, Raymond Lincoln	SS	51	† Hersman
Newhard, Francis Gordon	Agr		* † Dayton, Indiana
Newkirk, Nelle Andrus	HELAS	29	* † Mt. Carmel
Newlander, Sylvia	LAS		* † Chicago
Newlin, Vernon Raynes	Bus		* † Hutsonville
Newman, Albert Hardy	Bus	36½	* † Chicago
Newman, Clarence William	LAS	110½	* † Champaign
Newman, Harold	Bus		* † Danville
Newman, Howard Eugene	Bus	115½	* † Urbana
Newman, Roy Leo	Bus	02	* † Chicago
Newmark, Valentine Payne	Bus	43	* † Tulsa, Oklahoma
Newport, Willard Leslie	Agr	101	* † Hillsboro
Newsom, Paul Irvin	EE	05½	* † Mattoon
Newsom, Noble	SS	9%	* † Mt. Carmel
Newton, Dorothy	LAS	56	* † Urbana
Newton, Frank Wilson	Agr (SS)	121½	* † Champaign
Newton, Helen Charlotte, B.S., 1920	SS	169%	* † Downers Grove
Newton, Lillie Mae	Bus (SS)	90	* † Champaign
Ng, Tak Kei	ChE (SS)	06½	* † San Francisco, California
Ngan, Chun On	ChE		* † Tainan, China
Nicholas, George Worthington	SS		* † Dewitt, Nebraska
Nicholas, Aldridge Reed	Eng	40	* † Decatur
Nicholas, Arthur Forbes	ME		* † La Grange
Nichols, Elmer Sammons	Bus		* † Milwaukee, Wisconsin
Nichols, Esther I	SHHEEd	103½	* † Elmwood
Nichols, Ina Pearl	HEAgr	100½	* † Green Valley
Nichols, Orville Raymond	Eng	36	* † Palestine
Nichols, Robert Mairne	AE	97	* † Momence
Nichols, Warren Alfred	Bus	33	* † West Liberty, Iowa
Nicholson, John Patrick	SS		* † Sewanee, Tennessee
Nicolet, Clara Burt	ME	124½	* † Urbana
Nieburger, Grace Edna	Accy		* † Chicago
Niemann, Wilmont Edwin	EE	105½	* † Mt. Olive
Niergarth, Milton Gingrich	SS		* † Cleveland, Ohio
Niess, Netta Virginia	LAS	35	* † Belleville

Nilson, Ann E	LAS	97	* † Chicago
Nilson, Elizabeth Hilma	LAS		* † Chicago
Nilson, Karl Andrew	ME	31½	* † Chicago
Nilson, Olga Evelyn	LAS	67	* † Chicago
Nims, Isabelle Eugenia	LAS	67	* † Chicago
Nims, Valiant Gale	AC		* † Greeley, Colorado
Nissen, Henry Wieghorst	LAS (SS)	61	* † Chicago
Nitta, Arata Leo	Chem	130%	* † Funkushima, Japan
Nobiling, Walter Louis	Agr	101½	* † Kewanee
Noble, Arthur James	Bus	24	* † Blue Island
Noble, Clarke Randolph	SS		* † Agricultural College, Miss.
Noble, Dorothy Vernon	LAS	35	* † Chicago
Noble, Frank Swift	SS	6½	* † New London, Ohio
Noble, Herman Emerson	Eng	61½	* † Decatur
Noble, Lena Mae	HELAS	85	* † Alledo
Noble, Reuben Priestley	Bus	67	* † Princeton
Nobles, Clarence Redden	Agr sp	7	* † Buncombe
Noel, Dorrell Schaible	Bus		* † Pekin
Noelle, William Lincoln	Bus	126	* † Chicago
Noethling, Clarence Max	RCE	106½	* † Chicago
Nofsinger, Charles William	ME	108	* † Kansas City, Missouri
Nolan, Joseph Jr.	Bus		* † Alton
Noonan, Charles Walter	Acrv	49%	* † Granite City
Norain, Helge Bernard	CE	69	* † Hubbard Woods
Nordberg, Herman Gerald	REE		* † Chicago
Nordell, Alvin Hugh	LawP		* † Rockford
Nordgren Maurice Leland	EE	155	* † Galva
Norgan, Andrew Thomas	SS	8½	* † Dunmore, Pennsylvania
Norins, Russell Joseph	LAS	11½	* † Chicago
Norman, Margaret Angeline	(Ed) SS	106%	* † Champaign
Normile, Lucy Elizabeth	SS	5½	* † Bloomington
Norris, Ralph Sackett	Agr	62½	* † Galena
Norrish, Edith Margaret	LAS	76½	* † Morrison
North, Cornelia	HELAS		* † Champaign
Northam, Carlette Drury	ME	77	* † Wilmette
Norton, Edgar Woolfolk	LAS (SS)	8	* † St. Louis, Missouri
Norton, Francis Berne	Agr (SS)	106	* † Flat Rock
Norton, Howard Monroe	Agr		* † Tolono
Norton, Marc Carpenter	Bus	96	* † Champaign
Norton, Mildred Clevenger	LAS		* † Champaign
Norton, Philip J	Chem	48	* † Belvidere
Nortridge, Florence Marie	Int		* † Freeport
Norwood, Earl Ellis	CE		* † Chicago
Nosek, Florence Anne	LAS	63%	* † Chicago
Nothenberg, Alice Lydia Angela	LAS	33	* † Chicago
Nothenberg, Esther Mercedes	LAS	94	* † Chicago
Notter, Alice Isabell	LAS		* † Chicago
Notter, Miriam Lucille	LAS		* † Chicago
Novak, Jerry	MedP		* † Chicago
Novak, Maurice Pall	ChE	104%	* † St. Louis, Missouri
Novotny, August Louis	Ind A	67½	* † Chicago
Novotny, Vincent Thomas	SS	17½	* † La Grange
Nowak, John M	Med P		* † Amber, Oklahoma
Nowlan, Ralph Elmo	Agr	64	* † Chicago
Nowlin, Wilfred Jonathan	MedP	32	* † Lafayette
Noxon, George Albert	Ind A	116%	* † Farmer City
Noyes, Charles Edmund	LAS (SS)	74	* † St. Louis, Missouri
Nuckolls, John Albert	Agr (SS)	70½	* † Urbana
Nuessle, Dwight Avery	Bus	82	* † Springfield
Nugent, Julia Ann	SS	15½	* † Onawa, Iowa
Null, Fay Edison	EE (SS)	89	* † Buffalo
Nutt, Verna Elizabeth	HEAgr	29	* † Urbana
Nuttall, Ruth	HEAgr		* † Mendon
Nuttall, Walter H	Agr	146%	* † Bethany
Oakes, Bernard Francis	Ath	30	* † Bethany
Oakes, Edna Faye, B.S., 1921	Ed irr (SS)	131½	* † Maywood
Oakes, James Lowell, Jr.	Law	29½	* † Independence, Kansas
Oakes, Junieur Donald	Bus (SS)	86%	* † Champaign
Oakman, May Downey	LAS	61½	* † Champaign
Oathout, Eva Elinor	HELAS		* † Clinton
Obenchain, Demont David	LAS	57	* † Urbana
Oberholtzer, Kenneth Edison	Agr	35	* † Galva
O'Brien, Florence Mary	SS	16½	* † Tulsa, Oklahoma
O'Brien, Fred William	Voc osp (SS)	½	* † Chicago
O'Brien, Harry Arthur	LAS		* † Champaign
O'Brien, Walter A	LawP		* † Mt. Vernon
O'Brien, William Claire	LawP		* † Chicago
O'Bryan, Kenneth Clyde	Agr		* † Aurora
Ocenasek, Joseph Charles	MedP		* † Little Rock, Arkansas
O'Connell, John Bernard	REE	86	* † Chicago
O'Connor, Edward John	Bus	72	* † Kewanee
O'Connor, Forrest Edward	Agr	33	* † Elgin
O'Connor, Roger Russell	EE	121	* † Chicago
O'Donnell, Mrs. Dorothy Miller	Mus		* † Elyria, Ohio
O'Donnell, Edmund Michael	Chem	27	* † Lee
O'Donnell, Emmett Erwin	Chem	58	* † Ottawa

O'Donnell, Frank Harley	Jnl	110 $\frac{3}{4}$	† Champaign
O'Donnell, John Burke	Bus	20	* † Chicago
O'Donnell, Thomas Francis	AC		† Holyoke, Massachusetts
O'Donoghue, Mary Patrick	SS	8	† Sinsinawa, Wisconsin
Odum, William Kenneth	Accy		* † Benton
Oechsner, Rose Emma	HEAgr	32	* † St. Louis, Missouri
Oehl, Arthur Harry	LAS	43	* † Chicago
Oehler, Alvin William	IndA	67	* † Minier
Offenhiser, Harold Lee	Bus		* † Pearl City
Ogden, Frederick John	SS	5 $\frac{1}{2}$	* † Stonington
Ogden, Montelle Ernest	LAS	17	* † Urbana
Ogg, Velma Althea	LAS sp	21	* † Scottville
O'Hair, Florence Kathleen	LAS		* † Oak Park
O'Hair, Robert Browning	Bus	3 $\frac{3}{4}$	* † Oak Park
O'Hara, James Henry	SS	04	* † Urbana
O'Hern, Joseph Paul	IndA	60 $\frac{1}{2}$	* † Joliet
Ohsawa, Gen	ME (SS)	65	* † Chibaken, Japan
Ojemann, Ralph Henry	Agr	35	* † Peoria
Okada, Haruto	MedP (SS)	7	* † Honokaa, Hawaii
Okoy, Mary Carline	Agr	130	* † Monmouth
Olander, Milton Martin	CE	102	* † Rockford
Olchoff, Maurice	ME(SS)	76 $\frac{3}{4}$	* † Rock Island
Olcott, George Wheeler	Arch		* † River Forest
Olcott, Horace William, Jr.	LAS	30	* † Forest Hills, New York
Olenick, Max Matthew	Bus		* † Chicago
Olesen, Jamis Martin, Jr.	Accy		* † Montague, Michigan
Olin, Edward	Bus		† Chicago
Olin, Gertrude May	LAS		* † Wilmette
Oliver, Elizabeth Andrews	LAS		* † Urbana
Oliveras, Ovidio	LAS	100 $\frac{1}{2}$	† Washington, D. C.
Olmstead, Winthrop Aaron	SS		† Harpursville, New York
Olsen, Andrew Peter	Law sp	25	* † Chicago
Olsen, Henry Erling	SS	73 $\frac{3}{4}$	* † Chicago
Olsen, Beatrice Ruth	LAS	30 $\frac{3}{4}$	* † Chicago
Olsen, Nels Morris	Bus		* † Chicago
Olsen, Oscar Edward	AE	35	* † Chicago
Olsen, Rangwald Severn	Chem	02	* † Fox Lake
Olson, Alice Frances	LAS		* † Chicago
Olson, Arnold Oliver	Bus		* † La Grange
Olson, Carl Reyerson	Agr sp	33	* † Chicago
Olson, Ellen Olivia	LAS	00	* † Galesburg
Olson, Ellyn Gertrude	LAS	34	* † Chicago
Olson, Elmer Ellsworth	LawP	32	* † Danville
Olson, Irma Eunice	Jnl	05	* † Chicago
Olson, Raymond Irving	AE	35	* † Chicago
Olson, Verner Bylow	CE	109 $\frac{1}{4}$	* † Chicago
Olson, Willard Earnest	Bus		* † Morris
Olsson, Milford	Agr		* † Sheffield
Oltusky, Lena Ann	Bus	34	* † Waukegan
Oltusky, Rose Josephine	Jnl	105 $\frac{3}{4}$	* † Waukegan
Olympia, Alfonso Geducos	Bus (SS)	42 $\frac{1}{2}$	* † Boac, Philippine Islands
O'Mara, Harold Patrick	SS		† Fairmount, Indiana
Omark, Reuben Erick	ME	36	* † Kewanee
O'Meara, Robert William	IndA		* † Chicago
O'Neal, Mildred, A.B., 1919	Lib		* † Depew, Oklahoma
O'Neil, Mrs. Dwight Dewitt	Chem	20	* † Collinsville
Ong, Mrs. Esther Hunter	HELAS	64	* † Henry
Ongkeco, Jose Vismanos	ChE (SS)	30	* † Malolos, Philippine Islands
Oppenheim, Willard Carlton	Bus		* † Rockford
Oppermann, Reginald Arthur	ChE	8	* † Chicago
Orata, Pedro Tamesis	Eng	29	* † Pangasman, P. I.
Oren, William	Bus		† Gas City, Indiana
Orendorff, Nelson Edward	Ath	27	* † Weston
Orput, Raymond Alexander	CE	76	* † Rockford
O'Ryan, Fergus	Jnl	48	* † Oak Park
Orzeszynski, Bernard Siegfried	CE		* † Chicago
Osawa, Ichiro	SS	22	* † Tokyo, Japan
Osbeck, George William	Bus		* † Chicago Heights
Osborn, Arthur Sprague	IndA	62	* † Kansas City, Missouri
Osborn, Ferris Lawraine	ChE		* † Danville
Osborne, Dorothy Myra	LAS	23	* † Danville
Osborne, Harold Marion	Agr	90	* † Butler
Osborne, Robert Thompson	LG		* † Champaign
Osmanson, Guy Leslie	LAS		* † Morris
Osness, Nelson	LAS (SS)	40	* † St. Louis, Missouri
Osterloh, Ottillie Elise	SS	35 $\frac{1}{2}$	* † Quincy
Otey, Ed Rainey	Agr	65	* † Marion
Otsubo, Takco, B.S., 1921	SS	138	* † Kagoshima, Japan
Ott, Edward Henry	Bus	68	* † Grand Ridge
Ott, Estella Ruth	LAS		* † South Wallingford, Vermont
Ott, Florence Clara	LAS		* † South Wallingford, Vermont
Ott, George	ME	92 $\frac{3}{4}$	* † Harvey
Ott, Rush Calvin	ME	71	* † Ogdan
Otten, Paula	LAS	34	* † Kenilworth
Otto, Frances M	HELAS		* † Chicago
Otto, Grace Wilhelmina	LAS		† Chicago

Ousley, Fred Sidney	EE		* Paris
Overton, Marcus Muse	LAS		* Springfield
Overton, Marguerite Frances	LAS		* † McHenry
Overtoom, Leo Joseph	Ath		* † Homewood
Overy, Orville Raphael	Accy	68	* † Wolcott
Owen, George Edwin	Bank	76½	* † Chicago
Owens, Edwin Charles	Bus	27	* † Sterling
Owens, Harold Chester	Bus	26	* † Indianapolis, Indiana
Paape, Walden William	LG	63½	* † Lake Forest
Pabst, Adolf	LAS (SS)	5	* † Chicago
Pabst, Mark William	Bus	29	* † Berwyn
Pacis, Vicente Albano	Jnl	34½	* † Urbana, Philippine Islands
Packard, Carroll Dwight	SS	12½	* † Urbana
Packard, Margaret Frances	LAS	35	* † Sumner
Packard, Russell Lowell	SS	14	* † Urbana
Padon, Paul Francis	Ind A		* † Indianapolis, Indiana
Padorr, Harry	Bus		* † Chicago
Page, John Archer	Bus	62	* † Elgin
Page, Kirk Lee	Accy	75	* † Indianola
Pake, Bernard Lewis	Ind A	87	* † Montgomery, Alabama
Palmer, Arthur Bowen	CE	132½	* † Urbana
Palmer, Carl Bradley	Bus	30	* † Chicago
Palmer, Carl Evald	SS	7½	* † Escanaba, Michigan
Palmer, Elizabeth Lenore	LAS	32	* † Urbana
Palmer, Grace Rhodes	HELAS	99½	* † Memphis, Tennessee
Palmer, Jere Ibbetson	Bus (SS)	11	* † Carlinville
Palmer, Margaret Wallbank	LAS	91	* † Urbana
Palmer, Marion Frances	LAS	33	* † Oak Park
Palmer, Mary Dorothy	LAS	31	* † Urbana
Palmer, Milo, Jr.	ME		* † Cairo
Palmgren, Henrietta Amelia	LAS	42	* † Chicago
Pan, Chia Yuan	Agr		* † Szechuen, China
Pan, Shi Luen	Bank	76	* † Nanking, China
Panja, Atal Kumar	ME		* † Calcutta, India
Panlilio, Victor	Bus	10½	* † Pampanza, Philippine Islands
Pape, Zelda Elizabeth	Ed	60	* † Mattoon
Parcel, Katherine Jeanett	HELAS	59	* † Casey
Parham, Robert Howard	Law P		* † Veedersburg, Indiana
Paris, Vicente A	LAS	34½	* † Vintar, Philippine Islands
Parizek, Edward Frank	Ind A		* † La Grange
Parizek, Libuse Mary	Mus	11	* † Chicago
Park, Donald Marquis	Bus		* † Metroplis
Park, Ethel	Bus	61	* † St. Louis, Missouri
Park, Sunshine E	LAS		* † Parkersburg
Parker, Catherine Frances	LAS		* † Chicago
Parker, Charles Theodore	EE	35	* † Chicago
Parker, Curtis Reed	Ind A		* † Hubbard Woods
Parker, Donald Ross	SS	½	* † Fayetteville, Arkansas
Parker, Earl Dean	AE (SS)	8	* † Callin
Parker, Francis Feland	Bus (SS)	42½	* † Urbana
Parker, Genevieve Mary	HELAS	66	* † Gilman
Parker, Griffith Hilton	LAS	97½	* † Champaign
Parker, Harvey Frederick	Voc esp		* † New London, Missouri
Parker, Helen Lucy, B. Mus. 1914	SS	217	* † Champaign
Parker, Helene B	LAS	91	* † Decatur
Parker, James Edward	SS	7½	* † Champaign
Parker, James Francis	Agr		* † Oak Park
Parker, John Houston	ME	119½	* † Lincoln
Parker, Maurine	LAS	33	* † Champaign
Parker, Sanford Welding	Ind A	69	* † Oak Park
Parker, Sidney	SS	7½	* † Texico
Parker, Wallace Cody	SS	1½	* † Springfield
Parker, William Hammond	Jnl		* † Chicago
Parkhill, Bernice Ethel	Mus		* † Champaign
Parkhill, Buelah Blanche	LAS	13	* † Champaign
Parkhill, William Theodore	Bus	32	* † Champaign
Parkinson, Ray Fauble	SS	5½	* † Carrollton, Missouri
Parkinson, Bruce Cobb	Bus		* † Wagoner, Oklahoma
Parkinson, Eloise	SS	35	* † Centralia
Parkinson, Ethel Morton	LAS	93½	* † Centralia
Parkinson, Helen Catherine	HELAS	103	* † Lafayette, Indiana
Parks, Dora	SS	5½	* † Peoria
Parks, Georgia Isabel	HELAS		* † Bowling Green, Kentucky
Parks, John Edward	EE	105½	* † Elgin
Parks, John Harold	Chem		* † Sparta, Michigan
Parks, Laura Jane	SS	8	* † Ft. Wayne, Indiana
Parnell, Earl Ford	Agr	27	* † Hoopston
Parr, Frank Winthrop	Chem		* † Chicago
Parr, Lucille	LAS (SS)	100½	* † Cisco
Parres, Murray Herble	Bus	32	* † East St. Louis
Parrett, Ruth	HE Agr	98½	* † Homer
Parrish, Maurine Garnet	LAS	21½	* † Shelbyville
Parry, Gladys Mae	LAS	32	* † Tolono
Parsonage, Edward Eugene	Bus		* † Moline
Parsons, Allan Davies	Jnl	34	* † Chicago
Parsons, Blanche M	Agr sp		* † Warsaw, Indiana

Parsons, Mark Miller	<i>Agr</i>		* †	<i>Douds, Iowa</i>
Parsons, Mary Wilkie	<i>LAS</i>	100	* †	<i>Riverton</i>
Parsons, Robert Ross	<i>Jnl</i>	53½	* †	<i>Kahoka, Missouri</i>
Partlow, Wilson Dempsey	<i>LawP</i>	38	* †	<i>Snyder, Oklahoma</i>
Partridge, Alberta Ruth	<i>LAS</i>		* †	<i>Peoria</i>
Partridge, Edward Francis	<i>Agr</i>	50	* †	<i>Cornell</i>
Partridge, Faye Flanders	<i>LAS</i>	20	* †	<i>Rochelle</i>
Partridge, Wilbur Arthur	<i>Agr (SS)</i>	90	* †	<i>Freeport</i>
Paschen, Franklin Henry	<i>CE</i>		* †	<i>Chicago</i>
Pasley, DeEstin Leroy	<i>Law</i>	29	* †	<i>DeKalb</i>
Pasternak, Thomas	<i>LAS (SS)</i>	102½	* †	<i>Chicago</i>
Patchen, Robert Hand	<i>ME</i>	55	* †	<i>Chicago</i>
Pate, Eva Pearl	<i>Chem</i>		* †	<i>Shelbyville</i>
Patel, Mooljibhai Shevabhai	<i>Chem</i>		* †	<i>Anand City, India</i>
Paterno, Antino Maria	<i>CE (SS)</i>	77	* †	<i>Manila, Philippine Islands</i>
Paterson, Ellen Jean	<i>HELAS</i>		* †	<i>Sycamore</i>
Paterson, Harold Cameron	<i>AC</i>		†	<i>Boone, Iowa</i>
Patrick, Marion Dorothy	<i>CCS</i>		* †	<i>Oak Park</i>
Patrick, Robert William	<i>Agr</i>		* †	<i>Naperville</i>
Patten, Donald Carl	<i>Bus</i>	57	* †	<i>Sycamore</i>
Patterson, Bernice Amber	<i>LAS</i>	11½	* †	<i>Le Roy</i>
Patterson, Bernice Lorene	<i>Bus</i>	43	†	<i>Mattoon</i>
Patterson, Buthen Bruce	<i>Bus</i>	99	* †	<i>Houston, Texas</i>
Patterson, Donald William	<i>LawP</i>		* †	<i>Sireator</i>
Patterson, Harold LaVergne	<i>ME</i>		* †	<i>Joliet</i>
Patterson, Jacob Wilmore	<i>Bus</i>		* †	<i>Atlanta, Georgia</i>
Patterson, John Sutton	<i>Bus</i>		* †	<i>Mt. Carroll</i>
Patterson, Nera McColpin	<i>LAS</i>	71	* †	<i>Robinson</i>
Patterson, Oral Franklin	<i>SS</i>	13		<i>St. Elmo</i>
Patterson, Ralph Lewis	<i>SS</i>	65½		<i>Deer Creek</i>
Patterson, Richard Arnold	<i>EE</i>	15	* †	<i>Chicago</i>
Patterson, Ruby	<i>SS</i>	8		<i>Le Roy</i>
Patterson, Ruth Jane	<i>Bus</i>		* †	<i>Champaign</i>
Pattison, Donald McClure	<i>Agr</i>	88½	* †	<i>Wilmette</i>
Pattison, Richard H	<i>Agr</i>	87		<i>Monmouth</i>
Patton, Anna Marie	<i>LAS</i>	78½	* †	<i>Bridgeport</i>
Patton, Bessie	<i>SS</i>	0		<i>Arthur</i>
Patton, Franklin Koben	<i>Bus (SS)</i>	60	* †	<i>Chicago</i>
Patton, Jennie Mae	<i>HELAS</i>	90	* †	<i>Charlston</i>
Patton, Joseph Robinson, Jr.	<i>IndA</i>	117½	* †	<i>Atlanta</i>
Patton, Leigh Newsom	<i>Agr</i>	97½	* †	<i>Mt. Carroll</i>
Patton, Lula May	<i>HEAgr</i>		* †	<i>Monticello</i>
Patton, Wilbur Andrew	<i>ForC</i>		* †	<i>Bridgeport</i>
Paul, Clarence Tyrrel	<i>Arch</i>	35	* †	<i>Rock Island</i>
Paul, Franklin Louis	<i>Arch</i>	30	* †	<i>Chicago</i>
Paul, Hobart Whitaker Clay	<i>Ath</i>		* †	<i>Martinsville, Indiana</i>
Paul, Olive Dorothy	<i>LAS</i>	34	* †	<i>Peoria</i>
Paulson, Clarence Emanuel	<i>CE</i>		* †	<i>Kenmare, North Dakota</i>
Paulson, Roy Bernard	<i>LG</i>	2	* †	<i>Champaign</i>
Pauly, Florence Pepperell	<i>LAS</i>	13	* †	<i>St. Louis, Missouri</i>
Pawlik, Harry Adolph	<i>ChE</i>		*	<i>Wheaton</i>
Pawn, Zun Lean	<i>SS</i>	55½		<i>Kiangsu, China</i>
Paxton, Albert Elwyn	<i>Bus</i>	45	* †	<i>Chicago</i>
Paxton, Glenn Gilbert	<i>Law</i>		* †	<i>Golden</i>
Paxton, Margaret Virginia	<i>LAS</i>	27½	* †	<i>St. Joseph, Michigan</i>
Payne, Adriel Barton	<i>Ath</i>		* †	<i>Kirkwood, Missouri</i>
Payne, Lucile	<i>SS</i>	39		<i>Champaign</i>
Payne, Maurine	<i>LAS</i>	97½	* †	<i>Champaign</i>
Payne, Theresa Dorthea	<i>SS</i>	83½		<i>St. Francisville</i>
Payne, William Robert	<i>Agr</i>	58	* †	<i>Chrisman</i>
Payton, Arthur David	<i>Bus</i>	60	* †	<i>Urbana</i>
Payton, Paul Leason, B.S., 1921	<i>SS</i>	130½		<i>Taylorville</i>
Peabody, Reba Aline	<i>LAS</i>		* †	<i>Urbana</i>
Peak, Charles Orlando	<i>LAS</i>	84	* †	<i>Jacksonville</i>
Pearce, Dwight	<i>LAS</i>	69	* †	<i>Indianapolis, Indiana</i>
Pearce, Harry Wisler	<i>AE</i>	63	* †	<i>Indianapolis, Indiana</i>
Pearce, Margaret Cathryn	<i>LAS</i>	97½	* †	<i>Chicago</i>
Pearce, Roger Vincent	<i>Jnl</i>	46	* †	<i>Chicago</i>
Pearce, Ruth Sara	<i>LAS</i>	98	* †	<i>Bowen</i>
Pearcy, Ruby Dean	<i>LAS sp</i>		* †	<i>Carmi</i>
Pearman, Ralph David	<i>Bus</i>	32	* †	<i>Paris</i>
Pearn, Florence Jane	<i>LAS</i>	61	* †	<i>Elmhurst</i>
Pearsall, Raymond Marvin	<i>LAS</i>		* †	<i>Elgin</i>
Pearson, Corinne Rosamond	<i>LAS</i>	92½	* †	<i>Des Plaines</i>
Pearson, Edmund	<i>ChE</i>		†	<i>Utica</i>
Pearson, Grace	<i>LAS (SS)</i>	105	* †	<i>Thorntown, Indiana</i>
Pearson, Howard Nelson	<i>Bus</i>	67	* †	<i>Delavan</i>
Pearson, Irving Frederick	<i>Ed</i>	97	* †	<i>Rockford</i>
Pearson, Warner Macaulay	<i>AE</i>	37	* †	<i>Chicago</i>
Peasley, Richard Lawrence	<i>Agr</i>		†	<i>Stronghurst</i>
Peck, Carlin Loe	<i>Bus</i>		*	<i>Macomb</i>
Peck, Claribel Edna	<i>LAS</i>	71	* †	<i>Harvard</i>
Peck, Estella	<i>LAS (SS)</i>	84	* †	<i>Chenoa</i>
Peck, Laura A, B.A., 1904	<i>Lib</i>	32	* †	<i>Syracuse, Nebraska</i>
Peck, Leo Thomas	<i>SHAEd</i>	60	* †	<i>Nbo</i>
Peck, Ruby	<i>HELAS</i>	65	* †	<i>Chenoa</i>

Peck, Spray	LAS		* †	Raymond
Peckmann, Henry Charles	Arch	82	* †	Webster Groves, Missouri
Peden, Don Charles	Ath	60 $\frac{1}{2}$	* †	Kewanee
Peebles, Carter Davis	Law P (SS)	41 $\frac{1}{2}$	* †	Carlinville
Peebles, Don McClure	Law	21	* †	Carlinville
Peeff, Nicola Tarseff	ME	102	* †	Embre, Greece
Peeff, Peter Costoff	ME	98	* †	Dermantzi, Bulgaria
Peel, Jesse Aldred	LG	60	* †	Taylorville
Peet, Harold Lewis	Ind A	32	* †	Woodstock
Peifer, Harriet Elizabeth	LAS	28	* †	Centralia
Peine, Robert Henry	Bus		* †	Quincy
Peirce, Logan Fletcher	ME	37	* †	St. Louis, Missouri
Pelton, Leverett Lyndon	EE	65	* †	Olmstead Falls, Ohio
Pence, Helen Meyer	SS	119		Harvard
Penewitt, Paul Slocum	Ind A		* †	Springfield
Penniman, William Leon	EE	43	* †	Normal
Pennington, Lester E.	Bus	16 $\frac{1}{2}$	* †	Kansas City, Missouri
Pennington, Robert Kenneth	CE		* †	Industry
Pentecost, Richard Hill	Bus	63	* †	Elmhurst
Pepple, Lloyd Vivian	SS	25 $\frac{1}{2}$		Belle River
Perardi, Frank	Law P (SS)	41 $\frac{1}{3}$	†	Farmington
Perbix, Leland Elmer	Agr		* †	Markham
Percival, Stella Rebecca, B.Mus., 1917	SS	153 $\frac{1}{2}$		Champaign
Perdue, Ralph Peaslie	CE		* †	Chicago
Perez, Arce G	SS			Mexico City, Mexico
Perigo, Thomas Edward	Ath		* †	Haddon Heights, New Jersey
Perkins, Allan Thornton	CE	31	* †	Garden City, Missouri
Perkins, David Homer	Accy	43	* †	Paris
Perkins, Dow Wilmar	RA		* †	Freeport
Perkins, Esther Marjorie	LAS	97	* †	Mendota
Perkins, Wayne Emerson	Bus	96	* †	Mendota
Perlman, Samuel Lyon	ChE	52	* †	St. Louis, Missouri
Perlman, Victor Charles	Bus	41 $\frac{1}{2}$	* †	Chicago
Perrett, Sherman	Ath		* †	Oak Park
Perrill, Willard Hugh	Agr		* †	Bloomington, Ohio
Perrine, Lurena	HELAS	60	* †	Anna
Perrott, Alma Starr	Mus	137 $\frac{1}{2}$	* †	Champaign
Perry, Dorothy Winfred	LAS		* †	Chicago
Perry, Thomas Laemon	Ind A	60	* †	Johnson City
Perryman, Delmar Dexter	Voc vs p (SS)	26	* †	Urbana
Pesmen, William	Accy	32	* †	Kansas City, Missouri
Peters, Chester Louis	MinE		* †	Chicago
Peters, Christopher Snigdham	ChE (SS)	10	* †	Travancore, India
Peters, Earla B	HELAS	26	* †	Dayton, Indiana
Peters, Reinhold Max	Bus		* †	Waterloo, Iowa
Petersen, Arthur Enevold	LAS	27 $\frac{2}{3}$	* †	Evanston
Peterson, Benjamin Mahon	Bus		* †	Johnson City
Peterson, Charles Melville	C&L	32	* †	Chicago
Peterson, Eric Folke	Agr sp		†	Clarence
Peterson, Franklin Merle	SS	72 $\frac{1}{2}$		Brownstown
Peterson, George Smith	EE		* †	Lindsay, Nebraska
Peterson, Herschel Duane	LAS		* †	Sheffield
Peterson, James Andrew	Law	85 $\frac{2}{3}$	* †	Chicago
Peterson, John Willard	ME	87 $\frac{2}{3}$	* †	Moline
Peterson, Leonard Nels	Bus	68	* †	Loda
Peterson, Martha Nathaniel	SS			Monument, Kansas
Peterson, Maurice Winfield	Ath	103 $\frac{1}{3}$	* †	Champaign
Peterson, Neva Dean	LAS	59	* †	Haskell, Oklahoma
Peterson, Peter Gilbert	Bus	45 $\frac{1}{2}$	* †	Moline
Peterson, Rudolph Earl	ME	4	* †	Rockford
Peterson, Ruth Mabel	HE Agr	97	* †	Chicago
Peterson, Walter Bernard	LAS	68	* †	Chicago
Petrolewitz, John	CE		* †	Chicago
Petrulis, Bruno Stanley	Agr (SS)	25	* †	Chicago
Pettersen, Herbert Christian	Eng	37	* †	Chicago
Pettigrew, Steward William	Bus	66 $\frac{1}{2}$	* †	Oak Park
Pettis, Irving McFarland	Bus	35	* †	Evanston
Petty, Manley R., B.S., 1917	Agr irr			Lawrenceville
Pfeferstein, Jacob	AC			Elizabeth, New Jersey
Pfeifer, Reuben John	AE		* †	Sheboygan Falls, Wisconsin
Pfeiffer, Arthur Edwin	ME	73	* †	Edwardsville
Pfeiffer, Frederick Lyle	Bus	56	* †	Centralia
Pfeiffer, Homer Fay	Arch	8	* †	Kansas City, Kansas
Pfeiffer, Wilbur Henry	CerE	35	* †	Edwardsville
Pfister, Theodosia Caroline	LAS sp		* †	Chicago
Pflaum, Pearl Frances	HE Agr		* †	Chicago
Pfleger, Phillip Arthur	ME		* †	Dundee
Phalen, Francis Joseph	EE	75 $\frac{1}{3}$	* †	Chicago
Pharis, Juanita Fae	Mus	28	* †	Allerton
Phelps, Edmund Strother	LAS	73	* †	Frankfort
Phelps, Eugene Vincent	CE		* †	Chicago
Phelps, Gray	LAS		* †	Carlinville
Phelps, Vernon Lovell	ForC	18	* †	Oak Park
Phillippi, Fred Otto	RT		* †	Big Rock
Phillips, Andrew Sheldon	Arch	91	* †	Chicago
Phillips, Arno Howard	ForC	8	* †	Mattoon
				Chicago

Phillips, Burdette Orville	<i>Agr</i>	35	* † Tonica
Phillips, Charles Orville	<i>SS</i>		* † Saunemin
Phillips, Elizabeth	<i>LAS</i>	31	* † Oskaloosa, Iowa
Phillips, Erna	<i>LAS</i>	56	* † Chicago
Phillips, Harriett Muriel, B.S., 1919	<i>HE Agr irr</i>	133 ½	* † Saugatuck, Michigan
Phillips, Helen Marie	<i>SS</i>		* † Clinton
Phillips, Josephine Pauline	<i>Ed</i>	81	* † Mattoon
Phillips, Lemuel	<i>LAS (SS)</i>	93 ½	* † Champaign
Phillips, Marion Winifred	<i>CCS sp</i>		* † Chicago
Phillips, Robert John	<i>Bus</i>	70	* † Elgin
Phipps, Horace Tarence	<i>Bus</i>		* † Kansas
Phipps, Ruth Marie	<i>LAS</i>	62	* † Kansas
Picha, Rudolph Joseph	<i>FOM (SS)</i>	82 ½	* † Brookfield
Pickard, Edna Odessa	<i>SS</i>	7	* † Rankin
Picker, Thomas	<i>Bus</i>		* † Chicago
Pickrell, Jacob Wanferd	<i>LG</i>		* † Elkhart, Indiana
Pickett, Arthur David	<i>Arch</i>	33	* † Brazil, Indiana
Pickett, Gladys Adele	<i>LAS</i>	30	* † River Forest
Pickett, Steward Thompkins	<i>Med P</i>		* † Louisville, Kentucky
Picknell, Helen Virginia	<i>LAS</i>	97	* † Muskogee, Oklahoma
Pieper, Arnold Christian, B.S., 1921	<i>SS</i>	130	* † Champaign
Pierce, Anna Belle	<i>Bus</i>		* † Chicago
Pierce, Mrs. Mary McCrory	<i>SS</i>	8	* † Charleston
Pierce, William Kenyon	<i>CE</i>		* † Urbana
Piercy, Norma Allyne	<i>LAS</i>	61 ½	* † Mt. Vernon
Piersel, William Guthrie	<i>SS</i>	4 ½	* † Bloomington
Pierson, Gordon Greene	<i>LAS</i>	85 ½	* † Indianapolis, Indiana
Pifer, Charles D	<i>Jnl</i>	34	* † Elkhart, Indiana
Pigall, Anna Josephine	<i>LAS</i>	56	* † Chicago
Pigall, Elizabeth Kerns	<i>LAS</i>	60	* † Chicago
Piggott, Aubrey Dent	<i>LAS</i>		* † Chicago
Pighetti, John Constantine	<i>CE</i>	30	* † Chicago
Piit, Benito Arcadio	<i>CE</i>	112	* † Cagayan, Philippine Islands
Pilgrim, Wilbur Francis	<i>Bus</i>	99 ½	* † Chicago
Pinckney, Howard Nelson	<i>Ind A</i>		* † Ft. Smith, Arkansas
Pink, Dorothy Delphine	<i>LAS</i>		* † Chicago
Pinkel, Leland Armin	<i>Bus</i>	62 ½	* † Collinsville
Pinkerton, Matilda Irvine	<i>SS</i>	15 ½	* † Monmouth
Pinkley, George Davison	<i>LAS</i>	90 ½	* † Gibson City
Pinkstaff, James Tilden	<i>CE sp</i>	4	* † Champaign
Pinnell, Horace Crawford	<i>Agr</i>		* † Kansas
Pirie, Albert John	<i>Bus</i>	105 ½	* † Chicago
Piser, Beatrice Myrtle	<i>LAS</i>		* † Chicago
Piser, Ralph Stanley	<i>CE</i>		* † Chicago
Pitman, Mary Louise	<i>LAS</i>	60	* † Logansport, Indiana
Pitsenberger, Claud Mathews	<i>Bus</i>		* † Indianapolis, Indiana
Pittser, Chester Mathias	<i>SS</i>		* † Gunnison, Colorado
Plambeck, William Francis	<i>EE</i>	56 ½	* † Moline
Planck, Arthur F., Jr.	<i>Bus</i>	70	* † Chicago
Planer, Erna Edith	<i>LAS sp</i>		* † Chicago
Plant, Mrs. Eva Lyle	<i>SS</i>	7	* † Gobleville, Michigan
Plato, Raymond A	<i>AC</i>		* † Anthon, Iowa
Plattner, Walter	<i>Ath</i>		* † Pittsfield
Player, John Milton	<i>Agr</i>	30	* † West Chicago
Plummer, Allison Oliver	<i>Agr</i>	19 ½	* † Champaign
Plunkett, Pius Paul	<i>Agr</i>	83 ½	* † Palestine
Poag, Benjamin Gordon	<i>AE</i>		* † Alton
Podesta, Roy Anthony	<i>Min E</i>	33	* † Chicago
Podlesak, George Joseph	<i>Ind A</i>	39	* † Chicago
Podolsky, Eva Charna	<i>LAS</i>	34	* † Chicago
Poehlmann, Morton Carl Gustave	<i>Bus</i>		* † Morion Grove
Poffinberger, John Earl	<i>Min E</i>		* † Indiana Harbor, Indiana
Poggensee, Claire Adele	<i>LAS</i>	64	* † Chicago
Poindexter, Gabriel Garner	<i>LAS</i>	61	* † Indianapolis, Indiana
Poirot, Eugene Marcel	<i>Agr</i>	93	* † Belleville
Pol, Leontine	<i>LAS</i>		* † Urbana
Polk, Mary Agnes	<i>HELAS</i>	11	* † Urbana
Pollard, Charles Emerson	<i>SS</i>	2 ½	* † Urbana
Pollard, Robert Lynn	<i>EE (SS)</i>	104 ½	* † Springfield
Pollitt, Russell Lowell	<i>Agr</i>	65 ½	* † Urbana
Pollock, James Stuart	<i>Bus</i>	68	* † Kewanee
Pollock, Loring Fox	<i>Bus</i>		* † St. Paul, Minnesota
Pomeroy, John Maxwell	<i>Ind A</i>	51	* † Cleveland, Ohio
Pond, Bertram Phillips	<i>ME</i>		* † Chicago
Pond, Seymour Gates	<i>LAS sp (SS)</i>	53 ½	* † Chicago
Poole, Maeryta Daniel	<i>Mus</i>	53	* † Mt. Vernon
Poon, Tse Jui	<i>Bus</i>		* † Hupeh, China
Poor, Russell Spurgeon	<i>LAS</i>	69 ¾	* † Hamilton, Missouri
Popel, Bernard Benjamin	<i>Jnl</i>	33 ½	* † Chicago
Popken, Roland Henry	<i>Ind A</i>	34	* † Oak Park
Populorum, Philip Alexander	<i>Bus</i>	62	* † Zion City
Foretsky, Hyman Lewis	<i>Bus</i>	30	* † Waukegan
Porter, Barbara Louise	<i>Agr (SS)</i>	137 ½	* † Urbana
Porter, Mrs. Cora Case	<i>SS</i>	7	* † Enid, Oklahoma
Porter, David Quigg	<i>Agr sp</i>	20	* † Chicago
Porter, Mrs. Flora May	<i>Agr sp (SS)</i>	61 ½	* † Urbana

Porter, Horatio Allingham	Bus	121 $\frac{7}{8}$	*	Gerlow
Porter, Jesse Cartlege	EE	109	* †	Marionsville
Porter, Kenneth Raymond	Bus	23	* †	Grand Ridge
Porter, Lester Gilbert	Bus		* †	Peotone
Porter, Wayne S	ForC	30	* †	Garden Prairie
Porterfield, Esther Elizabeth	HELAS	31	* †	Allerton
Porterfield, Faye Lucille	HELAS		* †	Allerton
Porterfield, Philip D	LAS	20	* †	Fort Wayne, Indiana
Postle, David Elmer	Arch	70	* †	Los Angeles, California
Poston, Henry James	AE		* †	Moline
Potter, Beulah Adelia, A.B., 1921	SS	140 $\frac{1}{2}$		Indianapolis, Indiana
Potter, Dorothy Buckman	LAS (SS)	101	* †	Champaign
Potter, Frances Eudora	LAS	64 $\frac{1}{2}$	* †	Champaign
Potter, Frank Allen	Agr		* †	Waterman
Potter, Glenn Everett	Ath	40	* †	Orange, California
Potter, Howard Pratt, B.S., 1921	SS	148		Decatur
Potter, Jessie Louise	LAS		* †	Champaign
Potter, Kathryn Wilder	LAS	65	* †	Champaign
Potter, Paul Milton	Agr (SS)	52 $\frac{1}{2}$	* †	Champaign
Potter, Vervadeen	LAS		* †	Kinmundy
Potts Albert Wood	LawP	28	* †	Pekin
Potts, F Morrell	ForC	90 $\frac{3}{8}$	* †	Champaign
Potts, James Garrett	CE		* †	Raymond
Poulsen, William Rainey	Ath		* †	Portland, Oregon
Powel, Roland Nelson	EE	31	* †	Jerseyville
Powell, George Robert	AE (SS)	50 $\frac{3}{8}$	* †	Canton
Powell, Clara Mae	HELAS		†	Champaign
Powell, John Henry, B.S., 1920	SS	8 $\frac{3}{8}$		Lyndon, Kansas
Powell, Maynard T	MedP		* †	Mattoon
Powell, Weldon	Accy	101 $\frac{1}{2}$	* †	Champaign
Powell, William Jenifer	EE (SS)	125 $\frac{1}{2}$	* †	Chicago
Power, Alan Lee	Arch		†	Indianapolis, Indiana
Power, Urcille Grace	CCS		* †	Nekoosa, Wisconsin
Powers, Gladys Margaret	LAS		* †	Marinette, Wisconsin
Powers, Morine Augusta	Bus		* †	Midland City
Powers, Pearl Alice	LAS		* †	Mattoon
Powers, Ray Lyman	Bus (SS)	95	* †	Barrington
Poyser, Gail Kenneth	SHAAgr	77	* †	Waukegan
Prather, Jerome Jacob	Bus	42 $\frac{1}{2}$	* †	Chicago
Prather, Vernon Dewey	Agr	76 $\frac{3}{8}$	* †	Urbana
Pratt, Harry Edward	Ath	73	* †	Cambridge
Pratt, Meryle Edith	LAS	101	* †	Chicago
Pratt, Raymond Gilmore	Ath	32	* †	Galva
Preble, Kenneth Jackson	Bus		* †	Oak Park
Pressl, Theresa	LAS sp		* †	Brooklyn, New York
Preston, Victor	ME		* †	Hoopston
Preston, Walter Bryan	LAS	97 $\frac{3}{8}$	* †	Pekin
Preston, William Thomas	Bank		* †	Oak Park
Prettyman, Helen Frances	LAS		* †	Champaign
Preucil, Alice	LAS		* †	Oak Park
Preucil, George	Bus	90 $\frac{3}{8}$	* †	Oak Park
Preucil, Mildred	LAS		* †	Oak Park
Prewitt, Floyd Earl	Accy	62	* †	Urbana
Price, Arthur Jerome	Bus	56	* †	Grant Park
Price, Charles Courtland	EE		* †	Lüchfeld
Price, Clem Wilson	Bus	30	* †	Richmond, Indiana
Price, Frederick Howard	Bus		* †	Indianapolis, Indiana
Price, Galen Royer	Agr	86	* †	Polo
Price, Mrs. Helene Randall	Lib sp		* †	Champaign
Price, Hollis William	CE		* †	Muskogee, Oklahoma
Price, Miles Oscar	Lib	53	* †	Urbana
Price, Ralph Adolph	Ins	18 $\frac{3}{8}$	* †	Richmond, Indiana
Price, Raymond Lester	Bus	64	* †	Champaign
Price, Richard Mandeville	LAS		* †	Mexico City, Mexico
Price, Robert Smith	MedP		* †	Robinson
Price, William Francis	LawP		* †	Streator
Price, Willodeen	SS		* †	Lebanon, Indiana
Prichard, William Townsend	Accy	47 $\frac{5}{8}$	* †	Champaign
Pride, William Humphrey	Bus	22 $\frac{1}{8}$	* †	Springfield
Priebe, Otto John	LG		* †	Charles City, Iowa
Pritchard, George Harrison	SS	7	* †	Germantown, Ohio
Pritchard, Hetty Justine	LAS	104	* †	Indianapolis, Indiana
Proctor, Richard Willis	Bus		* †	Chicago
Prosser, Edward Thomas	Bus	53	* †	Maywood
Pruett, Francis Gordon	ForC		* †	Kinmundy
Pruett, John Howell	LawP	28	* †	Harrisburg
Pruitt, Charles Herbert	Ed	105 $\frac{3}{8}$	* †	Orange, California
Pruitt, Moses Chelsea	SS	$\frac{1}{8}$	* †	Edinburg, Indiana
Pryor, Dorothy	LAS (SS)		* †	Camden, Ohio
Psotta, William	EE	53 $\frac{1}{2}$	* †	Clarkson, Nebraska
Puderer, Philip Cyril	LG	9	* †	Belleville
Pugh, Cloyd, B.S., 1921	SS	156 $\frac{1}{2}$		Ridgefarm
Puls, Edwin Ernest	EE	90 $\frac{1}{8}$	* †	Hoskins, Nebraska
Pumpelly, Ruth	Int	26 $\frac{3}{8}$	* †	Quincy
Pumphrey, Loira Cromwell	LAS	50	* †	Carthage
Pumpian, Ruth Lesk	Bus		* †	Chicago

Punke, Harold Herman	<i>Agr</i>	35	* † Elliott
Puntambeker, Shripati Venkatesh	<i>ChE</i>	80	* † Poone City, India
Purcell, James Sheldon	<i>AE</i>	61½	* † Chicago
Purl, Ruthford Keith	<i>LAS</i>	107	* † Carrollton
Purnell, Ercell Vance	<i>Ath</i>		* † Carterville
Pursell, Florence Bryant	<i>HELAS (SS)</i>	78½	* † Urbana
Pursell, Waldo Emerson	<i>Accy</i>	90½	* † Urbana
Purtill, John Francis	<i>LAS</i>		* † DuQuoin
Putnam, Helen Marguerite	<i>Mus</i>	13	* † Urbana
Pyke, Don O'Conner	<i>Bus</i>	83	* † Peoria
Pyke, Martha	<i>LAS</i>	62	* † Peoria
Pyler, Wendell Amyas	<i>EE</i>	36	* † Brownsville
Pyper, Philip Milton	<i>Bus</i>		* † Pontiac
Quade, Maurice Northrop	<i>CE</i>		* † Harrisburg
Quaid, Lloyd James	<i>EE</i>	109	* † Downs
Queen, William Robert	<i>Agr</i>	65½	* † Loami
Quillan, Bennett Bruce	<i>Bus</i>	31	* † Chicago
Quillman, Frank L	<i>MedP</i>	23	* † Benton
Quillman, King Carson	<i>Bus</i>	62	* † Benton
Quinette, William Henry, Jr.	<i>Bank</i>	20	* † Lawton, Oklahoma
Quinlan, Josephine Cecilia	<i>LAS (SS)</i>	86½	* † Pesotum
Rabe, Margaret Elizabeth	<i>LAS</i>		* † Maywood
Rabinowitz, David Henry	<i>Bus</i>	121	* † Chicago
Rabus, Earle George	<i>Bus</i>		* † Muncie, Indiana
Racine, Hugh Clark	<i>ForC</i>	63	* † Urbana
Racine, Roy Charles	<i>LawP (SS)</i>	54	* † Urbana
Radcliffe, Charles Baner	<i>IndA (SS)</i>	70½	* † Rockford
Radeke, Alfred Frederick	<i>Bus</i>	67	* † West Palm Beach, Florida
Radle, Gale Patton	<i>Agr</i>	8	* † Ottawa
Radtke, Stephan John	<i>SS</i>	122	* † Avilla, Indiana
Rady, Samuel Palmer	<i>CE</i>	8	* † Gibson City
Rafferty, Keen Alexander	<i>Jul</i>	28	* † Robinson
Raffin, Philip Jordan	<i>Agr</i>	35	* † Kenosha, Wisconsin
Raffi, Alberta	<i>Arch (SS)</i>	75	* † Red Bud
Raffi, Elizabeth Mary	<i>LAS (SS)</i>	4	* † Red Bud
Ragan, Allen Edgar	<i>SS</i>	½	* † Cold Springs, Kansas
Raggio, Maynard Holding	<i>LAS</i>	110½	* † Chicago
Rago, John Batiste	<i>MedP</i>		* † Melrose Park
Ragsdale, Ralph Waldo	<i>Agr</i>	16	* † Yates City
Rahman, Fazlur	<i>Bank</i>		* † New York, New York
Rahn, Agnes Marie	<i>HEAgr</i>	123¾	* † Thornton
Raj, Narabharp	<i>ME (SS)</i>	18	* † Bengal, India
Raich, Edwin John	<i>CE</i>	105¾	* † Warsaw
Rajmer, Edward Monroe	<i>Bus</i>		* † Danville
Rajmer, McKee	<i>ME</i>		* † Danville
Rainey, Helen Edna	<i>Mus</i>	33	* † Mt. Vernon
Rainey, Lloyd	<i>Accy</i>	69	* † Benton
Raithel, Mrs. Bess Louise	<i>SS</i>		* † Champaign
Rakow, Walter Mathew	<i>RA</i>	79	* † Dundee
Rall, Hans Robert	<i>CE</i>	84	* † Urbana
Ralston, Albert Alexander	<i>EE</i>	74¾	* † Rockford
Ralston, John Caldwell, Jr	<i>Agr</i>	102½	* † Caledonia
Ramadanoff, Dimitar	<i>EE(SS)</i>	86	* † Sofia, Bulgaria
Ramser, Joseph Retz	<i>Bus</i>	29	* † Alma
Ramser, Marie Louise	<i>Bus</i>		* † Alma
Ramsey, Ruth Romilda	<i>SS</i>	9	* † Dana
Randall, Frank Austin	<i>Agr</i>	54½	* † Brookfield
Randall, Glenn Seymour	<i>Agr</i>		* † Scotland
Randall, Harold LeVerne	<i>Bus</i>		* † Morris
Randle, Wilbur Fisk	<i>SS</i>		* † Weatherford, Oklahoma
Randolph, Mrs. Bessie D	<i>SS</i>	2	* † Elizabethtown
Randolph, Charles Ethelbert	<i>Agr</i>	96¾	* † Onarga
Rankin, Esther Byrle	<i>Bus</i>	34	* † Champaign
Rankin, Harley Lester	<i>IndA</i>	94¾	* † Pekin
Ranney, Ralph Richard	<i>FOM</i>	67	* † Casenovia
Raper, Helen	<i>SS</i>	6	* † Reno
Raphael, Sydney Francis	<i>IndA</i>		* † Chicago
Raphaelson, Lily Ruth	<i>LAS</i>	16	* † Chicago
Rapp, Mrs. Ester Hulling	<i>LAS</i>	66	* † Champaign
Rapp, La Verne	<i>Bus</i>	81½	* † Chicago
Rarick, Hazel Daisy	<i>HEAgr</i>		* † Urbana
Rarick, John Nelson	<i>Agr</i>	126	* † Urbana
Rasmussen, Anker Molkjaer	<i>EE</i>	44	* † Taastrup, Denmark
Rasmussen, Edvald Lawrence	<i>Bus</i>	78	* † Chicago
Rasmussen, George	<i>Bus</i>	91	* † Champaign
Rasmussen, Howard Emmett	<i>Bus</i>		* † Maywood
Rasmussen, Robert Peter	<i>LAS</i>	50	* † Chicago
Raster, Alfreda	<i>LAS</i>	44½	* † Chicago
Ratcliff, Kathryn Louise	<i>LAS</i>		* † Oak Park
Ratcliffe, Mrs. Agnes Hampton	<i>Mus sp</i>		* † Urbana
Ratcliffe, Myron Lenwick	<i>Bus</i>		* † Evanston
Rathbun, Olive Margaret	<i>SS</i>		* † Plainfield
Rathbun, Rowland	<i>Bus</i>		* † Glenn Ellyn
Ratzesberger, Anna Stimpson	<i>LAS</i>	24	* † Milford
Rauch, Arthur Edward	<i>Bus</i>	31	* † St. Charles, Missouri
Rauch, Herbert Leopold	<i>MinE</i>	110	* † St. Louis, Missouri

Rauchenstein, Emil, B.S., 1911	SS				Rice Lake, Wisconsin
Ravlin, Alta Elizabeth	LAS	67	*	†	Kaneville
Ravlin, Lawrence Clark	LawP		*	†	Kaneville
Rawlings, Cecil Otis	Agr	29	*	†	Strasburg
Rawlins, Roderick King	ME		*	†	Hinsdale
Ray, Julian Vertol	SS				Stilesville, Indiana
Ray, Robert Vernon	EE	76	*	†	Arthur
Ray, William Clarence	LAS	30	*	†	Decatur
Raymond, Ralph Gray	ME		*	†	Aurora
Rea, James Russell	Ath		*	†	Paterson, New Jersey
Read, Ruth Helen	LAS	51 $\frac{2}{3}$	*	†	Piper City
Reading, Clyde William	IndA	115 $\frac{1}{2}$	*	†	Oak Park
Reamer, Richard S	ChE	35	*	†	St. Louis, Missouri
Reamey, Myra Elizabeth	SS	6	*	†	Newport, Arkansas
Reasor, Marion Lowell	Bus	32	*	†	Hindsboro
Rebbe, Alfred Fred Henry	IndEd	91 $\frac{1}{6}$	*	†	Chester
Rebhan, Howard Henry	Agr	50 $\frac{1}{2}$	*	†	Raymond
Records, Irene	HEAgr				Champaign
Redemski, George Albert	Bus		*	†	Chicago
Reding, Ralph Spears, B.S., 1920	SS	138 $\frac{1}{6}$	*	†	Champaign
Redules, Anthony Alexander	EE		*	†	Westville
Reed, Catherine Jane	LAS		*	†	Elkhart, Indiana
Reed, Frank Miller	ChE		*	†	Chicago
Reed, Fredric Alder	Jnl		*	†	South Bend, Indiana
Reed, Gordon Wies	ME	105 $\frac{2}{3}$	*	†	Chicago
Reed, James Lowell	C&L	97	*	†	Eldorado
Reed, Olive Ruth	LAS		*	†	Chicago
Reed, Robert Tavis	Chem	103	*	†	Indianapolis, Indiana
Reed, Sarah Almada	LAS	64	*	†	Sullivan, Indiana
Reeder, Fred Nelson	LAS	65	*	†	Clinton, Indiana
Reese, Harry Cook	Bus		*	†	St. Joseph
Reetz, Carl Godfried	CE	72	*	†	Charles City, Iowa
Reeve, Lloyd Eric	EE		*	†	La Salle
Reeves, Albert William	EE	31	*	†	Tulsa, Oklahoma
Rehling, Armin John	Agr		*	†	Waterloo
Rehm, Arthur Charles	ME		*	†	Oak Park
Rehm, Lois Adeline	LAS		*	†	Oak Park
Rehnquist, Vivian Nathaniel	CE	71	*	†	Chicago
Reich, James A	Agr		*	†	Versailles
Reich, Walter Jacob	Bus		*	†	Chicago
Reich, William Robert	Chem	108 $\frac{1}{2}$	*	†	Urbana
Reichard, Cecil Lex	IndA		*	†	Urbana
Reichert, Gladys Marion	SS	30	*	†	Chicago
Reichle, Richard Wendell	Bus (SS)	100 $\frac{1}{6}$	*	†	Beason
Reid, Clifford Finley	MedP (SS)	6	*	†	Sparta
Reid, Emily Clea	SS	89	*	†	Albion
Reid, George Walker	LawP	100 $\frac{2}{3}$	*	†	Harvard
Reid, Jessie Adaline, B.S., 1914	Lib (SS)	25	*	†	Rockford
Reid, Lorena Grace	HEAgr	34	*	†	Albion
Reid, Prentiss Edgar	Agr (SS)	75	*	†	Sparta
Reid, Willa Dorothy	Jnl	31	*	†	Springfield
Reif, Richard Emil	CerE	20 $\frac{1}{2}$	*	†	Oak Park
Reif, Selena Barbara	LAS		*	†	Oak Park
Reiman, Charles	ME sp (SS)	31	*	†	East St. Louis
Reiman, Russell Andrew	LG	41	*	†	Wooster, Ohio
Reinboth, John Franklin	LAS (SS)	69 $\frac{3}{8}$	*	†	Springfield
Rienhard, Godfrey	Bus	30	*	†	La Salle
Reinhardt, Henry Russell	Arch	8	*	†	Owensboro, Kentucky
Reis, Leonard Joseph	Arch	110 $\frac{1}{3}$	*	†	Green Bay, Wisconsin
Reitz, Edward John	ME	2	*	†	Buffalo, New York
Remington, Owen Joseph	Jnl		*	†	Menominee, Michigan
Remley, Chelsy Glessner	SS	81 $\frac{1}{2}$	*	†	Waynetown, Indiana
Remley, Ruby Kemp	SS	81 $\frac{1}{2}$	*	†	Waynetown, Indiana
Rendleman, Russell David	SS	88	*	†	Anna
Rennebaum, Ernest Henry A.B., 1921	SS	136 $\frac{1}{2}$	*	†	Franklinville, New Jersey
Renner, Edna Louella	LAS	32	*	†	Urbana
Rennoe, Hazel May	LAS		*	†	South Bend, Indiana
Replogle, Karl McClellan	Jnl sp		*	†	Champaign
Resek, Ephriam Frederick, Jr.	LAS	24	*	†	Fort Collins, Colorado
Retherford, Suzanne Zartman	LAS (SS)	55 $\frac{3}{8}$	*	†	Urbana
Re Veal, Ivan Lindsey	LAS	72	*	†	Hoopston
Rew, Ina M	Mus	24	*	†	Metropolis
Reynertson, George Dewey	AE (SS)	108 $\frac{1}{6}$	*	†	Chicago
Reynolds, Albert Henry	ChE	82	*	†	Forest Park
Reynolds, Edwin Smith	Agr	64	*	†	Cedar Rapids, Iowa
Reynolds, Fred Barnes	LAS	104	*	†	Berwyn
Reynolds, George Thomas	ME		*	†	Sheldon
Reynolds, Harry Allen	IndA	77 $\frac{1}{2}$	*	†	Chicago
Reynolds, Henry Frederick	Bus	27	*	†	Chicago
Reynolds, Herbert Kenneth	Bus	35	*	†	East St. Louis
Reynolds, Hugh Elba	LawP	69	*	†	Danville
Reynolds, James Carroll	Bus	60	*	†	Mattoon
Reynolds, Laura Maie	LAS		*	†	Sheldon
Reynolds, Viola Nell	SS	71 $\frac{1}{2}$	*	†	Dupo
Rhodes, Ruth Mary	LAS	101	*	†	Kansas City, Missouri
Rhodes, Adelaide Blanche	LAS		*	†	La Salle

Rhodes, William Addison	Bus	72½	* † Cedar Rapids, Iowa
Rice, Frederic Leland	Bus	65	* † Aurora
Rice, Harold Hodder	EE		* † Wilmette
Rice, John Leo	Agr	36	* † Bridgeport
Rice, Lois Marie	LAS (SS)	66½	* † Worden
Rice, Louise Trevey	LAS	31	* † Rockville, Indiana
Rice, Miriam Delna	LAS		* † Oak Park
Rice, Philip Blair	ChE		* † Martinsville, Indiana
Rice, Roy	Bus		* † Dixon
Rice, William Taylor	EE (SS)	14	* † Indianaola
Rich, Albert	ChE		* † Chicago
Rich, Barrett Galloway	ME		* † Chicago
Rich, Edward Corydon	Bus		* † Keokuk, Iowa
Rich, Francis Marion	ME	37	* † Chicago
Richards, Arthur Allen	LAS sp	5	* † Urbana
Richards, Clara Ethel	SS	8	* † Chrisman
Richards, Daisy Leona	Jnl	60	* † Buchanan, Michigan
Richards, Edward John	ME	30	* † Glencoe
Richards, Mrs. Ida Adele	LAS	30	* † Urbana
Richards, Robert Watt	SS	103½	* † Urbana
Richards, Sidney Jerome	AE (SS)	43½	* † Wilberforce, Ohio
Richardson, Barnett Raymond	ME	104½	* † Oswego
Richardson, Donald Walter	SS	9	* † Greenwood, Indiana
Richardson, James Hollins	CE	105½	* † Rentschler
Richardson, Ralph Lewis	EE	61½	* † Rockford
Richardson, Wayne	Bus	67½	* † Dayton, Iowa
Richardson, William Raymond	Arch		* † Eldorado
Richburg, Louis Allan	MedP	61	* † Centralia
Richburg, Welton Edwin	MedP	60	* † Centralia
Richeson, Alice Eliza	LAS	63	* † St. Louis, Missouri
Richey, Juanita Poc	Mus	67	* † Palestine
Richey, Mary Dorothy	ComT		* † Palestine
Richey, Mildred Nancy	LG	33	* † Laurens, Iowa
Richie, Harold Benjamin	Agr		* † Georgetown
Richman, Walter Adolph	ME		* † Park Ridge
Richmond, Donald Dewey	LAS		* † Lacon
Richmond, Joseph Hale	CE	75½	* † Chicago
Rickheil, Raymond Earl	Bus	8	* † Cavalier, North Dakota
Rickher, Robert Lawrence	Voc sp (SS)	29	* † Champaign
Rickman, Emma Elizabeth	SS	4	* † Indianapolis, Indiana
Rickman, John William	CE	8	* † Rainbow, Texas
Riddle, Atha	LAS		* † Urbana
Riddle, Velma Grace	HELAS	94	* † Le Roy
Ridinger, Charles Cyril	Bus		* † Saunemin
Ridlen, Herman	LAS	59	* † Willow Hill
Riedl, Gustave	LAS		* † Chicago
Riegel, Edith E	HELAS	106½	* † Galatia
Riese, Hazel Fern	Bus	84	* † Bloomington
Riggle, Lyman Curtis	CE		* † Flora
Riley, Russell Hall	IndA	36	* † Le Roy
Rilling, Charles William	Bus	65	* † Chicago
Rindell, John Harmon	Bus	68	* † Wilmette
Riney, Charles Edward	Voc esp		* † Gays
Ring, George Francis	Ath sp (SS)	45½	* † Chicago
Ring, Robert Mason	SS	9	* † Noble
Rink, Helen Frances	LAS		* † Prophetstown
Rinker, Harvey Willard	Agr	33	* † Grand Ridge
Rinker, Irving Treadwell	IndA	70	* † Chicago
Riordon, Marjorie Belle	Bus	27	* † Fulton
Riordon, Robert Barton	Bus		* † Fulton
Ripley, Dorothy Susan	Bus	98½	* † Chicago
Rippberger, Rollin Raymond	Bus	20	* † Elgin
Rising, John Daniel	Accey (SS)	80½	* † Champaign
Ritcher, Henry Adelbert, A.B., 1921	SS	130	* † Troy
Ritchie, Joseph Dee	Bus	28	* † Centralia
Ritchie, Maude Emma	SS		* † Rockport, Indiana
Ritt, Arthur Carl Ludwig	Ath	58	* † Crystal Lake
Ritter, August Herman	ME	35	* † Shermerville
Ritter, Harry Raymond	LAS	86	* † Memphis, Tennessee
Roach, Harry Fay, Jr.	LAS	54½	* † St. Louis, Missouri
Roach, Robert Roy	SS	7½	* † Clinton, Minnesota
Roan, Charles Frederick	MedP	31½	* † Chicago
Roark, Dorothy Rose	HELAS (SS)	99	* † Bushnell
Roark, Edward John	LC		* † Bushnell
Roark, Kathryn Rosemary	LAS (SS)	61	* † Bushnell
Roat, Harold William	Arch		* † Kankakee
Robb, Harry Martin	Bank (SS)	25	* † Windsor
Robb, Iva Marie	SS	5½	* † Windsor
Roberson, George Gale Vincent	LAS		* † Mound City
Roberts, Alice Erma	LAS	28	* † Joppa
Roberts, Clement Moore	EE		* † Rockford
Roberts, Etta May	Lib sp		* † Wheeling, West Virginia
Roberts, Frank Ebenezer, Jr.	EE		* † Fairfield
Roberts, Gilbert Jay	LAS		* † Oskaloosa, Iowa
Roberts, Henry Baker	MinE		* † Herrin
Roberts, Paul Edward	Bus	18½	* † Ottawa

Robertson, Almira Janette	SS	77	Sparta
Robertson, Blanche Faneuil	SS	8	Centralia
Robertson, Charlotte Jane	SS	6½	Prairieton, Indiana
Robertson, Everard Packard	EE	71	* † Jacksonville
Robertson, George Augustus, Jr.	Bus		* † South Bend, Indiana
Robertson, Harris Morton	SS	15	Tallula
Robertson, James Christian	Agr	17	* † Fowler
Robertson, LaRue Elizabeth	LAS	62	* † Riverside
Robertson, Robert Bruce	MedP	92½	* † Chicago
Robinhold, George A	AC		† Philadelphia, Pennsylvania
Robinson, Alice Isabel	LAS		* † Oak Park
Robinson, Benjamin Dwight	Agr	36	* † Kansas
Robinson, Chalmer John	EE	2½	* † Sesser
Robinson, Clyde North	EE	109½	* † Joliet
Robinson, Donald Bruce	ChE	33	* † Oak Park
Robinson, Donald Eugene	ME	60	* † Decatur
Robinson, Elizabeth Jane	SS	8	* † Pittsfield
Robinson, Frank Clarence	CE		* † Kansas City, Missouri
Robinson, George Germer	EE	37	* † Maywood
Robinson, George William	EE	50	* † Kansas City, Missouri
Robinson, Helen Alice	LAS		* † Decatur
Robinson, Hobart Clay	Agr	108½	* † Kansas
Robinson, Hugh MacKullar	ME	71	* † Chicago
Robinson, James Hill	EE	1½	* † Washington, D.C.
Robinson, John Chalmer	EE	2½	† Sesser
Robinson, Joseph Hugh	SS	7½	† Carbondale
Robinson, Karl Frederic	LAS		* † Maywood
Robinson, Myra Zoe	SS	19½	† Pittsfield
Robinson, Ray Mudge	LAS (SS)	115	† Watertown, New York
Robinson, Roscoe Graham	MedP		* † Washington, D.C.
Robinson, Ross Olin	Agr	70½	* † Pittsfield
Robinson, Roy John	Accy	33	* † Atlanta
Robinson, William Ames	SS	3½	Aurora
Robinson, William Ballard, Jr.	Agr	60	* † Wilmette
Robinson, William Ernest	LAS (SS)	62½	* † Urbana
Robison, Fred Augustus	MedP		* † Danville
Robison, Mary Leslie	LAS	17	* † Pekin
Robison, Morris William	Bus	12	* † Carlinville
Robrock, Lawrence Martin	LAS	117½	* † Defiance, Ohio
Roca, Jose Costillote	Chem (SS)		* † Leyte, Philippine Islands
Roche, John Edward	LawP	30½	* † Chicago
Roche, Thomas Joseph	ChE	14	* † Chicago
Rock, Burnham Sanborn	IndA	68	* † Kansas City, Missouri
Rock, Mildred Neena	HEAgr	37	* † Kansas City, Missouri
Rode, Esther Frieda	SHHEEd	95½	* † Granite City
Rodebaugh, Victor Bryan	Bus	33	* † Greenup
Rodecker, Alfred Wilson	Arch	40½	* † Indianapolis, Indiana
Rodgers, John Joseph	AC		† Chicago
Rodgers, Perry Harrison	SS	100½	† Atwood
Rodgers, William Heury	EE	134½	* † Monmouth
Roe, Frank Chapman	CE	28	* † Chicago
Roe, Sterling Grant	Accy		* † Urbana
Roe, Willis Emil	Bus		* † Chicago
Roeder, Marvin Clarence	Bus	31	* † Chicago
Roehm, Clifford A	Bus		* † Bloomington
Roehm, Knobler	Bus		* † Washington
Roels, Harvey Jules	SS	7½	* † Washington
Roepe, Roland A	Bus	64	† De Pere, Wisconsin
Roesch, Milton John	ME	35	* † Waterloo, Iowa
Roesch, Willard George	ME		* † Aurora
Roeske, Arthur Gerald	CerE		* † Aurora
Roesler, Joseph Alfred	EE		* † Michigan City, Indiana
Roessler, Carl Emil	Ins		* † Ashton
Roettger, Walter Henry	Bus	35	* † Chicago
Rogers, Adda Belle	LAS	64	* † St. Louis, Missouri
Rogers, Clarence English	CE	52	* † Harvey
Rogers, Della Mae	LAS sp		† Joliet
Rogers, Frances Marian	LAS	82	† Urbana
Rogers, Helen	LAS	69	* † Table Grove
Rogers, Joseph Owen	LAS	25	* † Champaign
Rogers, Mary Josephine	Mus (SS)	75	* † Watseka
Rogers, Richard Amos	ForC		* † Urbana
Rogers, William Paul	Bus	77½	* † Chicago
Rogge, Oetje John	LawP	89	* † Bloomington
Roggero, Carlos C	LAS		* † Petersburg
Rohrbach, Harold Christ	AE		† Lima, Peru
Rokusek, Frank Edward	Bus		* † Manitowoc, Wisconsin
Rolf, Rial Edward	Bus	31	* † Omaha, Nebraska
Roll Ray Harold	Agr	105½	* † Chicago
Rollston, William Anthony	Arch	57	* † Mason City
Rollins, Berenice	Agr		* † Perry, Iowa
Rolph, Howard Herold	MedP	8	* † Kankakee
Romig, John William	ME	37	* † Chicago
Romig, Lieuellen DeWight	IndA	105	* † Kewanee
Romine, Vernon Montelle	CE	15	* † Urbana
Ronalds, Francis Spring	LAS (SS)	104½	* † Tuscola
			* † Champaign

Ronalds, Nairive Westbrook	LAS	35	*	Eldorado
Rooney, Vincent William	Accy		* †	Chicago
Roos, Roy Emil	Bus	46½	* †	Chicago
Root, Roy Melvin	Arch	32	*	Urbana
Root, Russell William	Law	35	* †	Urbana
Ropiequet, Harold Wagoner	Ath	5½	*	East St. Louis
Rosaire, Carol Gwyn	Agr	77	* †	Chicago
Rosales, Leopoldo	MedP	52½	*	Mexico City, Mexico
Rosborough, Paul Armour	SS	8		Eureka
Rose, Charles Inse	ChE	108½	* †	St. Louis, Missouri
Rose, Freda Pearl	LAS (SS)	66½	* †	Champaign
Rose, James Anderson	EE		* †	Covington, Tennessee
Rose, Mrs. Jane	SS			Homer
Rose, Myron Potter	Bus (SS)	49½	* †	Champaign
Rose, Wilson	Bus		*	Champaign
Rosebraugh, Esther May	HELAS (SS)	94½	* †	Charleston
Rosen, Ainsley Harold	Bus (SS)	70	* †	La Salle
Rosen, Lloyd Charles	Agr	85½	* †	La Salle
Roseman, Irving Howard	Bus	98½	* †	Chicago
Rosenberg, Alexander	Jnl	94½	* †	Bayonne, New Jersey
Rosenberg, George Joseph	CE		* †	Du Quoin
Rosenblum, Albert Frank	MedP	68½	*	Chicago
Rosenblum, Harriet Muriel	LAS	64	* †	Waukegan
Rosenbluth, Joseph K	IndA		* †	Chicago
Rosenbum, Earl Andrew	SS	8½		Gooding, Idaho
Rosendale, Harold Douglas	ME	109½	* †	Chicago
Rosenstein, Louis	EE		* †	Chicago
Rosenstein, Morris Gero	IndA	58	* †	Chicago
Rosky, Edna Mae	LAS	44	* †	Chicago
Ross, Charles Robert	CerE		*	Staunton
Ross, Dillon Lewis	Ins	35	* †	Council Bluffs, Iowa
Ross, Donald Hamilton	ME		* †	Benton Harbor, Michigan
Ross, Fuller Francis	ChE	100½	* †	Kansas City, Missouri
Ross, Harley Matthew	ME	77½	* †	Morrison
Ross, Robert Charles	CerE		†	Staunton
Ross, Robert Cooke	Agr	134	* †	Monmouth
Ross, Samuel Elmer	LAS sp		†	Peoria
Ross, Samuel Howard	SS	6		Mt. Vernon
Ross, William Gerald	SS	½		Southport, Indiana
Roth, Mrs. Delight Rambeau	LAS		†	Champaign
Roth, Harry Jackson	Bus		* †	Mattoon
Rothe, Edwin Otto	ME		*	East St. Louis
Rothrock, Helen Victoria	Jnl		* †	Chicago
Rothschild, Donald Allen	LAS sp		* †	Madison, South Dakota
Roti, Rose Marie	LAS		* †	Chicago
Roudybush, Gertrude May	SS	5½		Woodland
Roughton, Eva Bula	Mus sp		†	Champaign
Routh, Thomas Rex	EE	79½	* †	Galesburg
Routledge, Mary Esther	Jnl		* †	Miami, Florida
Routledge, Pauline	LAS		* †	Miami, Florida
Routson, Theodore W	Agr		* †	Lewistown
Rovelstad, John Arthur	Bus	60	* †	Elgin
Rovelstad, Lloyd Melvin	Bus	93½	* †	Elgin
Rowatt, Paul	Accy	104	* †	Carterville
Rowe, Charles Chittick	Accy		* †	Frankfort, Indiana
Rowe, Harold Baker	Bus		* †	Oak Park
Rowe, Richard Robert	Bus		* †	Wheaton
Rowland, Raymond Edgar	Agr		* †	Kansas
Rowland, Walter Alfred	ForC (SS)	75	* †	Springfield, Ohio
Rowley, Donald Goode	Bus	31	* †	Chicago
Rowley, Melvin Arthur	Eng	6	* †	Chicago
Roy, Beulah Constance	LAS	55½	* †	Tuscola
Roy, Sarat Kumar	LAS (SS)	116	* †	Bengal, India
Roy, Walter Dewey	Ath	29	* †	Pesotum
Royal, Thomas Everette	Agr	86	* †	Oak Park
Royter, Gladys Wilson	LAS sp		* †	Los Angeles, California
Rozene, Irvin William	Bus	40	* †	Stewardson
Rubenstein, Harry Ernest	CE (SS)	70	* †	Chicago
Rubenstein, Joseph Gerald	Bus	33½	* †	Chicago
Ruby, Lawrence Irving	ChE		* †	Chicago
Rucht, Werner Fred Otto	LG sp		* †	Madison, Wisconsin
Ruckman, Frances Desmond	LAS	67	* †	Champaign
Ruckrigel, Glenn Meents	Bus	36	* †	Ashkum
Rudd, Guy Chandler	AE		* †	West Chicago
Rudolph, George Albert	ChE (SS)	27	* †	Justus, Ohio
Ruedel, Franklin John	Flor	21½	* †	Chicago
Ruedy, Robert John	REE	89½	* †	Mendota
Ruf, Mary Elizabeth	LAS	67	* †	East Cleveland, Ohio
Rugg, Ruth Genevra	SS	56	* †	Olney
Ruggle, Frederic	Bus		* †	Chicago
Ruh, Dwight Holton	Bus	67	*	Tallula
Ruh, Pauline Alice	LAS		* †	Park Ridge
Ruhl, Herbert Alfred	Bus	101½	* †	Davenport, Iowa
Rulien, Miles William Mayo	Paw	19	* †	Joliet
Rumming, George Edmund	Jnl	37½	* †	East St. Louis
Rumsey, Fay Eldora	LAS	59	* †	East Aurora, New York

Rumsey, Harriet Evelyn	LAS (SS)	93	* † Alton
Rundquist, Samuel Gardiner, Jr.	Bus		* † Lake Fores
Runkle, Willard Cornelius	Bus		* † Galesburg
Runninger, Guy Merrill	SS	9½	* † Franklin, Pennsylvania
Runyard, Jessie Deborah	LAS		* † Antioch
Runyon, Charles Robert	Bus		* † Oak Park
Rupel, Edna Belle	HEAgr	69½	* † Urbana
Rupel, Ernest Willard	Agr	28	* † Urbana
Rupel, Isaac Walker	Agr	69	* † Urbana
Rush, Harriet Margaret	HELAS	101	* † Detroit
Rushmore, Carlton William Wilson	ChE		* † Fox Lake
Russell, Albert Edgar	Bus		* † La Grange
Russell, Etta M	SS		* † Champaign
Russell, Helen Mary	Jnl (SS)	98¾	* † Champaign
Russell, Hester	Bus	26¾	* † Peotone
Russell, Hillard Race	Arch sp	20	* † Appleton, Wisconsin
Russell, John Leslie	Voc vsp		* † Robinson
Russell, Joseph William	Agr	65	* † Roberts
Russell, Thelma Leota	MedP	37	* † Kansas City, Kansas
Russell, William Bradford	ME	124¾	* † Joliet
Russell, William Joseph, Jr.	Bus	22	* † Rockford
Russenberger, Marguerite Rosa	Bus		* † Peoria
Rust, Florence Grace	LAS		* † Pekin
Rust, Louis Ernest	Agr (SS)	97½	* † Sibley
Ruth, Homer Hollis	Ath	30	* † Walton, Indiana
Rutherford, Edgar King	Ins (SS)	50	* † Girard
Rutherford, Richard James	ME	33	* † Chicago
Ruthven, Frank Charles	Bus	27	* † Chicago
Rutledge, Eno Clopton	LAS	90	* † Urbana
Rutledge, Jim Norman	Arch	30¾	* † Fort Smith, Arkansas
Ruzicka, Lillian Mae	CCS	90¾	* † Chicago
Ryan, Alexander Boggs	FOM	33	* † Vincennes, Indiana
Ryan, Clarence Walter	Agr	91	* † East Alton
Ryan, William Emmett	ME	71½	* † Chicago
Ryburn, Florence Olive	LAS	117¾	* † Bloomington
Ryder, Earl	LAS (SS)	120¾	* † Springfield
Ryersen, Norman Albert	EE	82½	* † Chicago
Rygel, Edward	Bus		* † Chicago
van Ryn van Alkemade, Leendert Willum	ChE	73½	* † Chicago
Rzeszotarski, Chester	CE		* † Chicago
Sabin, Merrill Simons	CE	64	* † Antioch
Sabo, John Philip, Jr.	Ath (SS)	101¾	* † South Bend, Indiana
Sackett, Edna Kathryn	Mus	51	* † Danville
Sackett, Fred Ward	Chem	122	* † Danville
Sadler, Glenn La Rue	Agr	9	* † Groove City
Sadler, Louise Eral	LAS		* † Danville
Safford, Mary Katharine	LAS	112	* † Monmouth
Safford, Verle Willson	LawP	68	* † Washburn
Sager, Gladys Elizabeth	HELAS	98	* † Belvidere
Sager, Helen Chowning	HAS	72	* † Lockport
Saha, Aatto Paivio	ME	75¾	* † Bjoerneborg, Finland
Sahgal, Bansil Lal	Bank	62	* † Hyorhad, India
St. Cardosi, Christopher Victor, A.B., 1921	Law	20	* † Canton
Salfishberg, Jack Elmer	EE		* † Aurora
Sallee, George Alden	Agr		* † Gerlaw
Sallee, Roy Meridith	SS	83	* † Gerlaw
Sally, Frank James	Ath		* † Park Ridge
Salmen, Fred	CE	2	* † Winneka
Salter, Marjorie Moutrie	LAS (SS)	86	* † Chicago
Salzenstein, Charles Stanley	Law		* † Peoria
Salzmen, Harold Lawrence	Agr		* † Chicago
Sammons, Loraine Adelaïd	LAS	100¾	* † Huntington, New York
Sample, Sam Steele	ME	74½	* † Webster Grove, Missouri
Sampson, David J	Bus		* † Chicago
Sampson, Jesse	Agr	68	* † Leland
Samuels, Anne	LAS		* † Chicago
Sandall, Alvin Mann	Ath	22	* † Elgin
Sandels, Edward	IndA		* † Chicago
Sanders, Azel Labon Ralph	CE	129	* † Moorehead, Minnesota
Sanders, Floyd Walsh	LAS		* † Rantoul
Sanders, Helen	HELAS	61	* † Champaign
Sanders, Marie	SS	2½	* † Champaign
Sanders, Paul Thomas	Agr (SS)	102	* † Champaign
Sanders, William Chapple	Bus	81	* † Ottawa
Sanderson, Arlo Melvin	SS		* † Olin, Iowa
Sanderson, William Harper	CerE	33½	* † Highland Park
Sandhelm, Frank Henry	Bus	91	* † Sycamore
Sandusky, Eleanor Elizabeth	HELAS (SS)	95¾	* † Catlin
Sanford, Charles Wilson	Agr (SS)	35	* † Urbana
Sanford, Frances Asby	HEAgr	28	* † Urbana
Sanford, George William	Bus		* † Du Quoin
Sanford, Robert Stillson	MinE (SS)	92	* † Urbana
Sanson, William Herbert	Law (SS)		* † Urbana
Santiago, Felipe Delapua	LAS		* † Malolos, Philippine Islands
Santos, Iluminado Calupitah	ME (SS)	50½	* † Santa Cruz, Philippine Island
Saper, Mitchell	CE		* † Kansas City, Missouri

Sargent, Rachel Louisa, A.B., A.M., 1914, 1917	SS		Exeter, New Hampshire
Sargent, Richard Boynton	ME	* †	Indianapolis, Indiana
Sater, Henry Arthur	Bus	* †	Rock Rapids, Iowa
Sato, Michio	ME	62½	* † Hirasakima, Japan
Satomi, Shirokichi	Bus sp		* † Chibaken, Japan
Sattler, Lillian Ida	LAS		* † Chicago
Sattley, Hope Cody	Arch	94½	* † Chicago
Saunders, Ethel Marie	LAS	11	* † Canton
Saunders, Richard Seavey	Bus	28	* † Cincinnati, Ohio
Savage, Alice Elinor	LAS	30	* † Urbana
Savage, John Clawson	Agr		* † Salem, Iowa
Savage, Margaret Face	LAS		* † Urbana
Savage, Raymond Philip	Bus	28	* † Tallula
Savage, Ruth Strickland	LAS	27	* † Urbana
Savitzki, Sol	Eng	73½	* † Chicago
Sawyer, Harold Grimes	EE	30½	* † Spokane, Washington
Sawyer, John Wardall	IndA	76	* † Champaign
Saxe, Charles Lee	IndA (SS)	86	* † Champaign
Sayre, Rollo Clifton, A.B., 1921	SS		Champaign
Scaggs, Hansell Elbert	LAS	52	† Lovington
Scanlan, Clarence Edward	Bus	100	* † Freeport
Scanlan, John Thomas	ChE (SS)	122	* † Chicago
Scanlan, Robert William	Agr	71	* † Newton
Scarritt, Elwood William	ChE	68	* † Oak Park
Scelonge, John	ME	25	* † Cicero
Schacht, Frederick Henry	ME		* † Chicago
Schaefer, James Walter	MinE		* † Chicago
Schaefer, John Victor, Jr.	MSE	62	* † Chicago
Schaff, John William	Agr		* † Chicago
Schaller, Elmer William	ME		* † Mendota
Schaller, Julius Leonard	ME	36	* † Mendota
Schaperkotter, Elsa Augusta	ComT	62	* † Alton
Scharfenberg, Frank Alfred	Bus	101	* † Streator
Scharfenberg, Karl Julius Robert	Bus	101	* † Streator
Schaub, Frederick Weienett	LAS	98½	* † Decatur
Schedel, Ralph Mohring	Ed (SS)	77½	* † Fairfield
Scheffer, Sophia Bertha	LAS	28	* † Atwood
Scheeive, William Theodore	SS	6	Cisna Park
Scheineman, Fred William	CE	121½	* † Urbana
Schell, Albert Thayer	Ed sp		* † Chicago
Schell, Hugh Lewis	EE		* † Chicago
Schell, Maynard Marr	SS		Polo
Schenker, Benjamin	ME	125½	* † Chicago
Scher, Arthur Weston	Ath	71	* † Benton Harbor, Michigan
Scherer, Lewis Frederick	ME		* † Ottawa
Schick, Lincoln George	Bus	59	* † La Crosse, Wisconsin
Schildbauer, Fred Jacob	Ath		* † New Holstein, Wisconsin
Schildge, George Willard	Bus	27	* † Chicago
Schilling, William Albert	Voc vs p	13	* † Fulton
Schilsky, Reinder Feldkamp	CC		* † Springfield
Schima, Edward Joseph	MinE	67	* † Chicago
Schimmel, Herbert Eugene	Bus	97	* † Faribault, Minnesota
Schirmmacher, Fred Carl	MedP	25	* † Davenport, Iowa
Schlack, Nicholas Francis	ME	44½	* † Chicago
Schlack, William Charles	Bus		* † Chicago
Schlapprizzi, Fred Henry	Acey	103½	* † St. Louis, Missouri
Schlapprizzi, Lester Burton	Acey		* † St. Louis, Missouri
Schlaudt, Carl	LAS sp		* † Lawrenceburg, Indiana
Scholssbauer, William John	Bus	38	* † Chicago
Schlotman, Daniel Franklin	ME		* † Sheldon
Schlots, Fred Emerson	Agr		* † Elmwood
Schluter, Harold John	LAS (SS)	95½	* † Moline
Schultius, George William	AE	109½	* † St. Louis, Missouri
Schmalhausen, Josephine Catherine	LAS	22	* † Champaign
Schmalmaack, Charles Louis	EE	93½	* † St. Louis, Missouri
Schmalz, Walter Fink	CE		* † Chicago
Schmedgen, William, Jr.	IndA		* † Wilmette
Schmidt, Adolf	SS	17	Chicago
Schmidt, Arthur Warren	SS	5	Urbana
Schmidt, Mrs. Beatrice	HELAS sp		* † Champaign
Schmidt, Herbert Harry	Agr		* † Davenport, Iowa
Schmidt, Katharine	Bus		† Urbana
Schmidt, John Gottfried	SS	6½	* † Blue Earth, Minnesota
Schmidt, John Louis	Agr		* † East St. Louis
Schmitt, Carroll Peter	EE	60	* † Warsaw
Schmidt, Richard Wagner	CE (SS)	124	* † Champaign
Schmitt, Gustave Rudolph	LAS		* † Nashville
Schmitt, Howard Ignatius	CE		* † Chicago
Schmolze, Paul Eugene	ForC	65½	* † Chicago
Schneider, Anthony Lawrence	CSL		* † Champaign
Schneider, Johanna Helene	MedP		* † Urbana
Schneider, Mabel Marie	LAS		* † Urbana
Schneider, Roy John	Arch		* † Arcadia, Wisconsin
Schneidewind, Hiram Francis	LAS	8	* † St. Louis, Missouri
Schnellbacher, Elmo Emil	LAS	74	* † Quincy

Schoch, Anna Lenora	SS	6		Pinckneyville
Schock, Katherine Henrietta	Chem		* †	Albion
Schock, Robert Louis	Bus		*	Chicago
Schoeffler, Henry John	Bus	66	* †	Alton
Schoenfeld, Merritt Robert	Bus		* †	Peoria
Schoening, Earl Fred	C&L	117	* †	Chicago
Schoenfeld, John Dixon	Accy (SS)	74	* †	Champaign
Scholfield, Lydia Mary	LAS		* †	Champaign
Scholz, Richard Ferdinand	LauP	37	* †	Quincy
Schoolcraft, Donald V.	Bus		*	Danville
Schooley, Clarence Herschel	Bus	99	* †	Efingham
Schoonmaker, Edward P.	Bus	11	* †	Chicago
Schori, John Wheeler	MedP	63½	* †	Elmwood
Schott, Herbert Francis	Bus		*	Quincy
Schrader, Frances Emma	Mus	89	* †	Clifton
Schrader, Frances Marion	LAS		* †	Bridgeport
Schrader, Paul Crunston	Agr		* †	Bridgeport
Schreiber, Charles Arthur	Bus	17	* †	Chicago
Schreiner, Herbert Werner	Bus		* †	River Forest
Schriner, Emma Ellen	SS	39½		Peoria
Schrock, Clayton Bazel	ME	73	* †	Chatsworth
Schroeder, Bernard Anthony	ME	72	* †	Wilmette
Schroeder, Frederick Charles	Voc esp (SS)	11	* †	Shumway
Schroeder, Frieda Louise	LAS	64	* †	Chicago
Schroeder, George Chris	CrE	34½	* †	Chicago
Schroeder, Lucile Kathleen	LAS	99	* †	Geneese
Schroeder, Orville Henry	Ind.A	16	* †	Oak Park
Schroeder, Ralph Minson	CE	102	* †	Decatur
Schroeder, Theodore William	CE		* †	Kankakee
Schroeder, William Christopher	Accy	67	* †	Lansing
Schuck, Evermont Henry	Accy	36	* †	Washington, Indiana
Schueler, Leona Margaret	LAS	56	* †	Joliet
Schuettnier, Arthur James	SS	8½		St. Louis, Missouri
Schujahn, Irene Katherine Marie	LAS	107½	* †	Champaign
Schuldt, Elmer Frederick	ChE	69	* †	Chicago
Schulz, George Louis	ME (SS)	109	* †	Dixon
Schulz, Mabel LaVaughn	LAS		* †	La. Carmel
Schulte, Charles Herman	Agr	69	* †	Havana
Schultz, Earl Ernest	Lau sp		* †	Congress Park
Schultz, Emil George	Agr		* †	Geneese
Schultz, Frank Arthur	ME (SS)	67	* †	Bloomington
Schultz, Harry Ralph	Bus	17	* †	Chicago
Schulz, Dorothy Sophia	LAS	29	* †	Urbana
Schulz, Myrtle	Jnl	68	* †	Riverside
Schulze, Ella Rosell	LAS	86½	* †	Pinckneyville
Schulze, Emory Martin	LauP	32	* †	Kankakee
Schumacher, John Henry	Bus		* †	Le Roy
Schumacher, Norman Hopkins	Bus	25	* †	Highland Park
Schureman, Jean Luther	Bus	65	* †	Oak Park
Schurtz, William Dallas	MedP		* †	Spring Valley
Schuster, Florence A.	LAS sp		* †	Urbana
Schwab, Louis	Mus		* †	Honewood
Schwabe, John Calhoun, Jr.	SS		*	Columbia, Missouri
Schwartz, Leo Philip	Bus		*	Ambia, Indiana
Schwartz, Louis Rosemond	CE		*	Chicago
Schwartz, Mildred Anastacia	Bus		* †	Champaign
Schwartz, Milton Henry	Bus		* †	Chicago
Schwartz, Monica Isabella	SS		* †	Champaign
Schwarz, Elmer Lee	CrE		* †	Blue Mound
Schwarzman, Ross, David	Bus	17	* †	Normal
Schwarzwelder, Boice M.	Bus		* †	Chatsworth
Schweger, Rodney Robert	Bus		* †	Chicago
Schwertzen, Edward Charles, Jr.	Ind.A	100½	* †	Wilmette
Schwemmer, Earl Meyer	Bus	32	* †	Banington
Schwenk, Elwood Edgar	AE	100½	* †	Rock Falls
Scofield, Charles James, Jr.	Bus		* †	Chicago
Scott, Charles Earl	Chem	10	* †	St. Louis, Missouri
Scott, Donald David	LAS		*	Danville
Scott, Eleanor Elizabeth	LAS	31	* †	Champaign
Scott, Eleanor Jane	LAS		*	Robinson
Scott, Fannie May	HELAS		*	Urbana
Scott, Helen Lucille	LAS	27	* †	Robinson
Scott, Herschel Newton	LAS	8	* †	Raymond
Scott, James Egbert	Agr		* †	Harrisburg
Scott, James Harvey	Bus	30	* †	Peoria
Scott, James Robert	EE	35	* †	Champaign
Scott, John Quinton	Agr	94½	* †	Wapella
Scott, Marvin Joseph	Bus	97½	* †	Grayville
Scott, Orval Glenn	Bus	12½	* †	Champaign
Scott, Robert A.	Agr	113	* †	Champaign
Scott, Russell	Bus (SS)	78	* †	Evanston
Scott, Thelma Elizabeth	Jnl	67	* †	Indianapolis, Indiana
Scott, Thomas Craig	SS		*	Lexington
Scott, Walter Jefferson	Chem (SS)	77½	* †	Raymond
Scott, Wellington Whitaker	Bus	104	* †	Grundy Center, Iowa
Scranton, Laurrell Lacey, B.S., 1921	SS	133		Charleston

Scroggin, Wesley Alfred	<i>Agr</i>		* †	Mt. Pulaski
Scudder, George Marsh	<i>AE</i>	8	* †	Sioux Falls, South Dakota
Scudder, Van Wildman	<i>LAS</i>	22	* †	Aurora
Seabloom, Selden Philip	<i>Bus</i>		† *	Chicago
Seaman, George James	<i>Bus</i>		†	Chicago
Seaman, James Francis	<i>ME</i>	81	*	Springfield
Seaman, John Thomas	<i>EE</i>	35	* †	Chicago
Sears, Burton Hale	<i>LAS</i>	31	* †	Chicago
Sears, Gertrude	<i>SS</i>			Urbana
Sears, Hubert O	<i>CE</i>		* †	Garden Prairie
Sears, Margaret Denton	<i>LG</i>	99	* †	Urbana
Seaton, Donald C	<i>Ath</i>		* †	El Paso
Seaton, Floyd Melville	<i>Bus</i>		* †	Morrisonville
Sebot, Mary Theresa	<i>LAS</i>		* †	Danville
Sebring, Charles Henry, Jr.	<i>Bus</i>		*	Maywood
Seburn, Thomas James	<i>ME</i>	21	*	Toledo, Ohio
Secor, Ina	<i>LAS</i>	97	* †	Carrollton
Seddon, Alice Gladys	<i>Bus sp</i>		* †	Chicago
Sedgwick, Edward Livingston	<i>Bus</i>		* †	Peoria
Seeber, Leora Elzina	<i>HELAS</i>	51	* †	Benton
Seed, Manice	<i>LAS</i>		* †	Bridgeport
Seed, Verl Rue	<i>Bank (SS)</i>	72½	* †	Urbana
Seehausen, Mrs. Melusina Nordmeyer	<i>SS</i>	36	* †	Chebanse
Seekamp, Arthur William	<i>Bus</i>	30	* †	Oak Park
Seelig, Lester	<i>ME (SS)</i>	110½	* †	Chicago
Seepe, Richard Albert	<i>ME</i>		* †	Peru
Seepe, Robert Munger	<i>EE</i>		* †	Peru
Sehnert, Walter Ellis	<i>Bus (SS)</i>	76	* †	Chicago
Seibert, Hallette Margaret	<i>LAS</i>	47	* †	Ashley
Seibert, Walter Williamson	<i>LAS</i>	29	* †	Ashley
Seidel, Hulda Margaret	<i>LAS</i>		* †	Kansas City, Missouri
Seideman, Esther Hazel	<i>LAS</i>	30	* †	Philadelphia, Pennsylvania
Seidensticker, William Joseph	<i>Chem</i>	92½	* †	Oak Park
Seifer, Bernard	<i>Accey</i>		* †	Chicago Heights
Seil, Manning David	<i>ForC</i>		* †	Grayville
Seipp, Geraldine	<i>LAS</i>		* †	Chicago
Seiter, Victor Carl	<i>Bus</i>		* †	Logansport, Indiana
Selden, Bryant Richard	<i>MedP</i>	33	* †	Durand
Sellards, Glenna Mai	<i>SS</i>	10		Wapella
Sellers, Elmer Otto	<i>SS</i>	8		Smallert, Missouri
Semple, Joseph Alexander	<i>ME</i>	40	*	Dawson
Sender, Frank Robert	<i>MedP</i>	33½	* †	Chicago
Seneff, Harold Lockwood	<i>Agr</i>	37½	* †	Chicago
Senelick, Samuel Barnett	<i>IndA</i>	68½	* †	Mt. Erie
Senft, Emily Alleen	<i>Bus</i>	34	* †	Chicago
Seng, Francis Arthur	<i>Bus</i>	22½	* †	Berwyn
Seng, Raymond Anthon	<i>LAS</i>		* †	Wilmette
Senn, Erwin Oliver	<i>SS</i>	77	* †	Wilmette
Senteney, Joseph Bouck	<i>Agr</i>	30	* †	Highland
Serame, Protasio Salcedo	<i>Agr</i>		* †	Arcola
Seright, Mary	<i>LAS</i>	95	* †	Pangasinan, Philippine Islands
Serpico, Frank Joseph	<i>ME</i>		* †	Chatsworth
Sethi, Jogat Ram	<i>SS</i>	84	* †	Chicago
Setinsky, Jerry Henry	<i>MinE</i>	53	*	Ramal Pindi, India
Setzekorn, Anna May	<i>SS</i>	8	* †	Onarga
Severance, Deane Carlisle	<i>LAS</i>	27	* †	Mt. Vernon
Severson, Gilbert Sims	<i>SHAgr</i>	87	* †	Milwaukee, Wisconsin
Sevilla, Diego Aguilar	<i>SS</i>	37	* †	Champaign
Seward, Doris Naomi, A.B., 1910	<i>SS</i>	132½	*	San Isidro, Philippine Islands
Seward, John Harold	<i>Agr</i>	33	* †	Urbana
Seward, Lawrence Ward	<i>ME</i>		* †	Raymond
Sexauer, Esther Marie	<i>LAS</i>	66	* †	Urbana
Sexauer, Margaret Magdalene	<i>LAS</i>		* †	Belvidere
Sexton, Meta Maria	<i>Lib</i>		* †	Belvidere
Seybolt, Mrs. Ottilie Turnbull, A.B., A.M., 1914, 1915	<i>SS</i>		* †	Champaign
Seymour, Bernays Dixon	<i>IndA</i>		* †	Urbana
Seymour, Harold Edward	<i>Ath</i>	15	* †	Hillsboro
Seymour, Robert John	<i>Eng</i>	35	* †	Castile, New York
Seymour, Russell	<i>AE</i>	110	* †	Chicago
Shacklette, Eva May	<i>Agr sp</i>	10	*	Oakwood
Shade, Mary Marguerite, A.B., 1920	<i>SS</i>	130½	*	Champaign
Shadko, Basil Andreiwitch	<i>Agr (SS)</i>	36½	*	Montpelier, Indiana
Shaffer, Gertrude Violet	<i>LAS</i>	33	* †	East Lansing, Michigan
Shaffer, Gordon Markle	<i>Bus</i>	8	* †	Maywood
Shafton, Hazel Hannah	<i>LAS</i>		* †	New Hampton, Iowa
Shafton, Lester	<i>Bus</i>		* †	Chicago
Shah, Champaklal Chunilal	<i>Chem (SS)</i>	99	* †	Chicago
Shah, Chandoolal Nanchand	<i>Chem</i>		* †	Wadhwan City, India
Shand, Edwin William	<i>Chem</i>	93	* †	Sarbhoo, India
Shand, Richings, Jr.	<i>CE</i>	44½	* †	Riverside
Shaner, Herbert Jewel	<i>ME</i>	36	* †	Springfield
Shanks, Thomas Kennedy	<i>CE</i>	32	* †	Stockton
Shantz, Frank Leslie	<i>CE</i>		* †	Chicago
Shapiro, Leo	<i>EE</i>	117	* †	Wilmette
Shapiro, Sam	<i>Bus</i>	52½	* †	Chicago

Shapiro, Sam Oliver	Jn	72½	* † Chicago
Shapley, Ralph Peterson	SS	133	† Denver, Colorado
Shappard, William Mizelle	SS	2	† Urbana
Shappert, Frederick William, Jr.	CE	63	* † Chicago
Sharfman, Samuel Philip	Accy	64	* † Chicago
Sharma, Shadi Ram	EE		* † Kapur, India
Sharp, Abia Morris	Bus	68	* † Harrisonville, Missouri
Sharp, Elizabeth Josephine	LAS	65¾	* † Harrisonville, Missouri
Sharp, Harold Nash	Agr		* † Elburn
Sharp, Henry Cordes	IndA	85¾	* † Oak Park
Sharp, Nathan Leroy	Flor		* † Mt. Vernon, Ohio
Sharp, Wayne Francis	LAS	33	* † Mendota
Sharp, Webster Harrison	Bus	34	* † Woodward, Oklahoma
Sharpe, Byron C	IndA	07	* † Chicago
Sharpe, Helen Lee	LAS	30	* † McLeansbow
Shartle, Thomas Irving, Jr.	Bus		* † Berwyn
Shastry, Shomi Nath	Chem		† Calcutta, India
Shatko, Basil Audrey	Agr	36½	* † East Lansing, Michigan
Shatsky, Samuel Ross	Bus		* † Terre Haute, Indiana
Shattuck, Richard Kenneth	Bus	25	* † Oak Park
Shaver, Theron Maxton	Arch	61	* † Marshall
Shaw, Benjamin Thomas	EE (SS)	142	* † Dixon
Shaw, Edith	SS	99	* † Marshall
Shaw, Mrs. Ella May	Bus	4	* † Champaign
Shaw, Harry Evans	IndA	25	* † Harrisburg
Shaw, Howard Chase	Bus	72¾	* † River Forest
Shaw, John Leland	Bus		* † Mattoon
Shaw, Robert Eustace	Bus	32½	* † Dixon
Shaw, Ray Iris, B.S., M.S., 1916, 1919	Mus irr		* † Princeton
Shay, Lester Roy	SS	71½	* † Pontiac
Shedde, Roland Robert	Bus		* † Rochelle
Shedden, Joseph John	Bus		* † Rantoul
Sheddy, Leon Edward	Bus		* † Chicago
Sheehan, Edward Daniel	REE		* † Chicago
Sheehan, Mary Eulalia	SS	7½	* † Peoria
Sheehy, Lawrence Walter	ME	50¾	* † Chicago
Sheeley, William James	SS	6¾	† Chippewa Falls, Wisconsin
Sheets, Edward B	LAS	53¾	† Lincoln
Sheets, Haven McKendree, B.S., 1919	SS	142	* † Nokomis
Sheldon, Francis Hasmer	Agr	10	* † Sharpburg
Sheldon, Leo Cutler	ChE		* † Oak Park
Shemick, Earle Ervin	EE	38	* † Monominee, Michigan
Shemp, Eva Lucille	Jnl	116	* † Koachdale, Indiana
Shenard, Joseph Kenneth	Jnl	24	* † Indianapolis, Indiana
Shenard, Marjorie, A.B., 1921	SS	130	† Chicago
Shenard, Thomas Herbert	SS		† Browns
Shenker, Melba Meryl	SS	7	* † Georgetown
Sheppard, Arthur Kenyon	Bus		* † Oak Park
Sherr, Helen Ruth	LAS		* † Chicago Heights
Shertz, Everett Loren	CE	61¾	* † Marion
Sherrill, Mrs. Grace Edith	HEAgr sp	34	* † Chicago
Shermak, Albert	Law	60	* † Chicago
Sherman, Gerald Wilfred	ME	35	* † Chicago
Sherman, William Sidney	ME		* † Oak Park
Sherrard, Charles Francis	ChE		* † Ladd
Sherrord, Marcellus Albert	Jnl		* † St. Louis, Missouri
Shewhart, Harry Anthony	Jnl	98½	* † New Canton
Shiao, Liao Po	ChE	06	* † Peking, China
Shields, Hazel Isabelle	Mus	23	* † Carey
Shimer, George Henry	SS	30	* † Decatur
Shinkle, Carroll Arnold	Bus		* † Ellsworth
Shipley, Wendell Watson	ME	73	* † Martinsville, Indiana
Shipman, George Elias, Jr.	ME		* † Keokuk
Shipp, Jesse Allen	Agr (SS)	68	* † Carlinville
Shirley, Ruth	LAS	112	* † Paris
Shoafi, Norman Russell	Bus		* † Hudsonville
Shoekley, Charles McClurg	EE		* † Decatur
Shoemaker, Fred Raphael	ME (SS)	76	* † Jacksonsville
Shols, Erasmus Franklin	ME		* † Chatsworth
Shols, William Theodore	EE (SS)	73½	* † Chatsworth
Shonkwiler, Alice	LAS	41	* † Winsmac, Indiana
Shonts, Florence Olive	HELAS	16	* † Rock Falls
Shoop, Arnold Chanc	Bus	107½	* † Champaign
Shoop, Edwin Perrill	IndA	51½	* † Champaign
Shoot, Tilford Taylor	Agr	37	* † Charleston
Shopen, Kenneth George	Bus		* † Niles, Michigan
Shopp, Homer Ingles	LAS		* † Elgin
Short, Edna Felicia	Jnl sp		* † Champaign
Short, George William	ME	35	* † Granite City
Short, Ruth Anna	LAS (SS)	5½	* † Champaign
Shortess, Louis Fuller, A.B., 1918	SS	10	† Charleston
Shortt, Wilbur John	SS		† Oak Center, Wisconsin
Shoup, Emma Mae, B.S., 1914	Lib		* † Roanoke, Indiana
Showler, Arthur Jennings Bryan	LAS sp	30	* † Peking
Showalter, Mary Agnes	LAS	97½	* † Danville, Indiana
Showerman, Irving Edward	ForC (SS)	62	* † Niles, Michigan

Shuey, Audrey Mary	LAS	113½	*	Charleston
Shull, Frank Robert	Ath		* †	St. Joseph, Missouri
Shultz, Helen Maud	HELAS	98	* †	Urbana
Shumate, Kenneth Wilson	ME	68	* †	Quincy
Shutt, Adra Lilyan	Mus (SS)	94½	* †	Champaign
Shuttleworth, Farnell Quincy	Bus	56	* †	Idaho Falls, Indiana
Shutts, Frances	LAS	70½	* †	Danville
Shutts, Glenn Bush	EE	40	* †	Joliet
Siberz, Lewis Alfred	Arch	52	* †	Baraboo, Wisconsin
Sibley, Elba	Vocsp	21	* †	Bee Creek
Sibley, Marion Erwin	Law sp		* †	Milledgeville, Florida
Sickman, Florence Anne	Mus (SS)	94	* †	Urbana
Sickman, Martha Agnes	SS			Urbana
Sideman, Abner	Law		* †	Chicago
Sideman, Arthur Tilden	Bus		* †	Chicago
Sideman, Sidney	MedP		* †	Chicago
Sides, Velmar Loyd	EE		* †	Harvey
Siebel, Fred Peter, Jr.	ChE	60½	* †	Chicago
Siegal, Edward Isadore	LawP		* †	Chicago
Siegel, Elizabeth Margaret	SS			St. Louis, Missouri
Siegel, Myra	LAS	30	* †	Oak Hill
Siemens, George Melvin, Jr.	Bus	80½	* †	Chicago
Siemens, Bert Marcus	Arch		* †	Kansas City, Missouri
Sigler, Lenore	LAS	64	* †	Lindsburg, Kansas
Sigley, Estella May	SS	55		Decatur
Signell, Lloyd George	CE	72	* †	Havana
Signor, George Victor	LAS		* †	Rockford
Sikes, John McCarty	LawP	28	* †	Kirkwood, Missouri
Silban, Raymond	Eng	15½		Grays Lake
Silberman, Saul Ayman	ChE	65		Chicago
Silkey, Genevieve Dorothy	Bus		* †	Chicago
Silkey, Herbert Earl	Mus		* †	Champaign
Sill, Ralph	Agr		* †	Champaign
Silsby, Robert Donald	IndA	71	* †	Lewistown
Silva, Alberto Lopes	FORM sp	10	* †	Wilkinsburg, Pennsylvania
Silva, Jacintho Loyses	Agr sp	5	* †	New York, New York
Silver, Mary Ethel	HEAgr		* †	New York, New York
Silver, Paul	ME		* †	Urbana
Silverstein, Louis Henord	CE	41	* †	Sioux City, Iowa
Sim, James Taylor Robertson	Agr		* †	Chicago
Simmon, Allen Ambrose	Bus	111½	* †	Port Elizabeth, South Africa
Simmons, Daniel Anderson	MedP		* †	Moline
Simmons, Waldo Emerson	Bus	21¾	* †	Mt. Vernon
Simmons, Walter Wallace	Accy	30¾	* †	Champaign
Simmons, William Harold	Bus	62	* †	Champaign
Simms, William Amos	MedP	28½	* †	Jerseyville
Simonich, Louis James	EE	27½	* †	St. Joseph, Missouri
Simons, Bernard W	Accy	58	* †	Joliet
Simons, Lewis Eugene	Bus	97½	* †	Trenton, Missouri
Simons, Venning Dodge, Jr	Bus	13½	* †	Chicago
Simonson, Susie	SS	17½	* †	Chicago
Simpson, Henry Mechem	Bank (SS)	37	*	Smithshire
Simpson, John Ralph	EE	32	*	Springfield
Simpson, Lawrence Packer, A.B., 1920	Law	50	* †	Benton
Simpson, Merrill Willis	Accy	81½	* †	Omaha, Nebraska
Simpson, Richard Balfour	EE		* †	Rockford
Simpson, Roy Earn	SS	7½	*	Chicago
Simpson, Roy Leon	Bus	40	* †	Champaign
Sims, Beatrice Corena, A. B., 1915	Lib		* †	Taylorville
Sims, Delbert Sims	SS	82	* †	Texasarkana, Arkansas
Simunich, Bernard	ME	64	* †	Newton
Sinclair, Charles Abram	Bus		* †	Chicago
Sinden, Alfred DeLos	ME	143	* †	Barnett
Sinden, Edward Archibald	Bus	66	* †	Canon City, Colorado
Singer, Raymond Barker	Ath	40½	* †	Oak Park
Singer, Robert S	Bus	29	* †	Urbana
Singmaster, Helen Mary	LAS	42	* †	Chicago
Sinn, Henrietta Martha	Bus		* †	Keota, Iowa
Sipfle, William Reginald	CE	35	* †	Kewanee
Sisson, Helen Elizabeth	LAS	29½	* †	Pekin
Sites, Alta Virginia	Bus		* †	Chicago
Sites, Erma Lois	LAS	29	* †	Watsika
Six, Harvey Fresle	Agr	31	* †	Watsika
Skelton, Bradford	EE		* †	Broadlands
Skemp, Edith Elizabeth	LAS	103	* †	Fairfield
Skidmore, James Edward	Agr	90½	* †	Maywood
Skiles, Mrs. Alice Briswalter	LAS		* †	Chicago
Skiles, Earl William	Bus	99½	* †	Grayville
Skillman, Henry Hunter	Bus	17	* †	Grayville
Skinner, Charles Otis	Bus	31	* †	Sikeston, Missouri
Skinner, James Madden	CE	99	* †	East St. Louis
Sklovsky, Ira Dolkart	EE		* †	Joliet
Slack, Clara Mary	LAS	54	* †	Moline
Slaght, Leroy Evert	IndA	123	* †	Spring Valley
Slagle, David Carlton	LAS	113½	* †	Chicago Heights
Slater, John William	Bus		* †	Chicago
				Marion

Slater, Ralph Gardner	<i>Agr</i> (SS)	109	* †	Aurora
Slater, Robert Eugene	<i>EE</i>		*	Savanna
Slater, Roland Adcock	<i>SS</i>	8	*	Moline
Slaughter, Charles Webster	<i>LAS</i>		*	Chicago
Slaughter, Harvey Leroy	<i>Bus</i>	97	* †	Denver, Colorado
Slaymaker, Harry Scott	<i>Ath</i>	48½	* †	Kansas City, Missouri
Sleazer, Marion Winnifred	<i>LAS</i>	52½	* †	Paxton
Slepyan, Dorothea Lara	<i>ForC</i>	60	* †	Chicago
Slepyan, Milton Hirsh	<i>Bus</i>	34½	* †	Chicago
Slevin, Mary Norberta	<i>SS</i>	9	*	Springfield
Slimmer, Louise Frederick	<i>Ath</i>		* †	Millville, New Jersey
Slimpert, George Henry	<i>Gen</i>	68	* †	Metropolis
Sloan, Arthur William	<i>Chem</i>	105	* †	Urbana
Sloat, Joseph Jay	<i>ChE</i>		* †	Hamilton, Ohio
Slow, James Edgar	<i>Ath</i>		*	Eldorado
Slow, John Ralph	<i>MedP</i>		* †	Eldorado
Small, Edward	<i>Agr</i>	69	*	Chicago
Small, John Clifford	<i>Agr</i>	59½	* †	Galatia
Smalley, Agnes Esther	<i>LAS</i>	97	* †	Carlisle
Smallwood, Glenn S	<i>CarE</i>	75	* †	Decatur
Smallwood, Mary Gertrude	<i>SS</i>	7½	* †	Springfield
Smejkal, Helen Bessie	<i>HELAS</i>	24	* †	Chicago
Smejkal, Richard	<i>IndA</i>	117½	* †	Chicago
Smellie, Annie Mary	<i>LAS</i>	66	*	Eureka
Smiley, James Harold	<i>ME</i>		*	Rockville
Smith, Agnes Irene	<i>SS</i>	8	*	Marshall
Smith, Alice Amanda	<i>LAS</i>	32	* †	Champaign
Smith, Austin	<i>Ath</i>		* †	Indianapolis, Indiana
Smith, Bryan Jennings	<i>Bus sp</i>		*	Hindman, Kentucky
Smith, Cecil Ray	<i>Law</i>	29	*	Marion
Smith, Charles Campbell	<i>LAS</i>	102½	* †	Decatur
Smith, Charles Cobb	<i>EE</i>	130½	* †	Chicago
Smith, Charles David	<i>Agr</i>	56½	*	Indianapolis, Indiana
Smith, Charles Raimer	<i>SS</i>	108½	*	Georgetown
Smith, Charles Wilson	<i>SS</i>	14½	*	Champaign
Smith, Charlotte Keast	<i>LAS</i>		* †	Chicago
Smith, Clarence Theron	<i>Law</i>	3½	* †	Urbana
Smith, Cloyde Moffett, B.S., 1920	<i>LAS irr</i>		* †	Liscomb, Iowa
Smith, Curtis Ulysses	<i>ME</i>		* †	Kankakee
Smith, Daniel	<i>ME</i>		* †	Winchester
Smith, David Galbraith	<i>Agr</i>	44½	* †	Carthage
Smith, David Marion Earl	<i>LAS</i>	15	* †	Hoopston
Smith, Denzil M	<i>Voc vs p</i> (SS)	35½	* †	Paunee
Smith, Donnal Vore	<i>SS</i>	7½	*	Conroy, Ohio
Smith, Dorothy Atwood	<i>LAS</i>	41	* †	Chicago
Smith, Dorothy Elizabeth	<i>LAS</i>		*	Atwood
Smith, Dorothy Margaret	<i>LAS</i>	99	* †	Champaign
Smith, Dorothy Ruth	<i>LAS</i>		* †	Rantoul
Smith, Earl Gates	<i>Bus</i>	16	* †	Alden
Smith, Edna Ruth	<i>SS</i>	5	* †	Centralia
Smith, Eleanor	<i>LAS</i>	103½	* †	Chicago
Smith, Elmon Leo	<i>Ins</i>	46	* †	Mattoon
Smith, Eloise	<i>LAS</i> (SS)	81	* †	Urbana
Smith, Elsdon Coles	<i>LAS</i>		* †	Virginia
Smith, Elsie Webb	<i>LAS</i> (SS)	103½	* †	Benton
Smith, Emily Evelyn, B. S., 1921	<i>HELAS</i>	130½	* †	Urbana
Smith, Emily Helen	<i>HELAS</i>		* †	Oak Park
Smith, Emma Charlotte	<i>LAS</i>	33	* †	Metropolis
Smith, Eugene Russell	<i>CE</i> (SS)	93	* †	Carbondale
Smith, Eraughn Hope	<i>LAS</i>	91	* †	Otterbein, Indian
Smith, Everett Frem	<i>EE</i>	77	* †	Chicago
Smith, Everett William	<i>CE</i>	93½	* †	Geneva
Smith, Fred Ernest	<i>Chem</i> (SS)	82	* †	Urbana
Smith, George Andrew	<i>Bus</i>	38	* †	Lafayette, Indiana
Smith, George Ernest	<i>SS</i>	62½	*	Lincoln
Smith, George Hitchner	<i>LAS</i>	91½	* †	Oxford, Ohio
Smith, Gertrude Katherine	<i>LAS</i>		* †	Terre Haute, Indiana
Smith, Gilbert Lee	<i>Min E</i>	42	* †	Urbana
Smith, Halbert Calvin	<i>Agr</i> (SS)	11	* †	Evanston
Smith, Harvey Allen	<i>SS</i>		*	Beemer, Nebraska
Smith, Henrietta Eleanor	<i>LAS</i>	65½	* †	Rock Island
Smith, Howard Hill	<i>EE</i>	42½	* †	Evanston
Smith, Howard Louis	<i>Bus</i>	61	* †	Pekin
Smith, Howard Veron	<i>Agr</i>	65	* †	Urbana
Smith, Howard William	<i>ME</i>	35	* †	Chicago
Smith, Irene	<i>LAS</i>		* †	Indianapolis, Indiana
Smith, Isabel Hamill, A.B., 1921	<i>Lib</i> (SS)	7	* †	Kokomo, Indiana
Smith, Isal Bernice	<i>HEAgr</i>		* †	Keokuk, Iowa
Smith, James Remington	<i>Chem</i>	105½	* †	Omaha, Nebraska
Smith, Jay Charles	<i>Agr</i>	33	* †	Weston
Smith, Jesse Irwin	<i>SS</i>	5	*	Hillsboro
Smith, John Aaron	<i>SS</i>	7½	*	Troy
Smith, John Wesley	<i>EE</i>	32	* †	LeRoy
Smith, Joseph Ross	<i>Bus</i>		* †	Mendota
Smith, Kenneth Lee	<i>Jnl</i>		* †	Buffalo
Smith, Kenneth Leslie	<i>AE</i>	71	* †	Aurora

Smith, Laura Eleanor, A.B., 1921	<i>LAS irr</i>	137	* † Urbana
Smith, Lawrence DeVere	<i>Bus</i>	86 $\frac{2}{3}$	* † Milford
Smith, Leighton Charles	<i>Bus</i>		* † Mt. Carroll
Smith, Leslie Denzil	<i>ME</i>	33	* † Oakwood
Smith, Lloyd Lorenzo	<i>RME</i>	102	* † McComb, Mississippi
Smith, Lola Frances	<i>SS</i>	3	* † Ashley
Smith, Lowell Deatherine	<i>ME</i>		* † Danville
Smith, Marguerite	<i>LAS</i>		* † Urbana
Smith, Marjorie Lois	<i>Bank</i>	96	* † Rantoul
Smith, Marshall Edward	<i>Bus</i>		* † Chicago
Smith, May Eloise	<i>HELAS</i>	69	* † Mattoon
Smith, Myrabelle Pritchard	<i>LAS</i>	103	* † Dixon
Smith, Myrtle Venis	<i>SS</i>	6 $\frac{1}{2}$	* † Farina
Smith, Niles Bainbridge	<i>ME</i>	124 $\frac{2}{3}$	* † Birmingham, Alabama
Smith, Mrs. Nina	<i>Ed sp (SS)</i>	13	* † Mt. Sterling
Smith, Norman Joseph	<i>Agr</i>	41	* † Mt. Carmel
Smith, Olive Louise	<i>LAS</i>	64	* † Yorkville
Smith, Mrs. Opal White	<i>SS</i>	8	* † Georgetown
Smith, Ora	<i>Agr</i>	69	* † Freeburg
Smith, Orin Otis	<i>Accy</i>	71	* † Oakwood
Smith, Oscar Byron	<i>Agr</i>	63	* † Broadlands
Smith, Oscar Ray	<i>EE</i>	57	* † Urbana
Smith, Peyton	<i>AE</i>	72	* † Oklahoma City, Oklahoma
Smith, Ray Francis	<i>AE</i>		* † Pekin
Smith, Reva Vinita	<i>LAS</i>	60	* † Virginia
Smith, Robert Alfred	<i>Agr</i>	34	* † Ashmore
Smith, Robert Eugene	<i>Ath</i>	8	* † Fulton
Smith, Robert Harlie	<i>MedP</i>	32	* † Clay City
Smith, Robert Homer	<i>ME</i>	23 $\frac{1}{2}$	* † Indianapolis, Indiana
Smith, Roland Wesley	<i>Bus</i>	37	* † Chicago
Smith, Roy Wilbern	<i>Bus</i>		* † Grayville
Smith, Russell Wilson	<i>Agr</i>	34	* † Laplata, New Mexico
Smith, Ruth Harriet	<i>Bus</i>	96 $\frac{1}{2}$	* † Amboy
Smith, Stuyvesant Chatteris	<i>IndA (SS)</i>	112 $\frac{1}{2}$	* † Evanston
Smith, Sue	<i>LAS</i>		* † Homer
Smith, Thelma Doris	<i>Bus</i>		* † Indianapolis, Indiana
Smith, Thurston Woods	<i>Bank</i>	90 $\frac{2}{3}$	* † Albion
Smith, Walter Edward	<i>CerE</i>	73	* † Joliet
Smith, Walter Nelson	<i>Ath</i>	15	* † New Canton
Smith, Walter Thomas Rozel	<i>Jnl</i>	47 $\frac{2}{3}$	* † Oakwood
Smith, Warren Horton	<i>SS</i>	8	* † Kalamazoo, Michigan
Smith, William Franklin	<i>ME</i>	57	* † Denver, Colorado
Smith, William Glenn	<i>Bus</i>		* † Oglesby
Smith, William Kenneth	<i>Agr</i>	33 $\frac{1}{2}$	* † Urbana
Smith, William Thompson, Jr.	<i>ChE</i>	17	* † St. Louis, Missouri
Smithers, Wilson Cook	<i>ME (SS)</i>	72	* † Wilmette
Smoot, Paul LeRoy	<i>Arch</i>	28	* † Catlin
Smothers, Charles Washington	<i>MedP</i>	20	* † Mt. Meigs, Alabama
Smouse, Clark J	<i>Accy</i>	63	* † Morrison
Smuczynski, Joseph Edward	<i>Bus</i>		* † Harsey
Smysor, John Leland	<i>Agr</i>	104	* † Windsor
Smyth, James Kenneth	<i>Bus</i>		* † Chicago
Smythe, Ione Nettie	<i>HELAS (SS)</i>	13	* † St. Elmo
Snearley, Earl Arthur	<i>Voc esp</i>		* † Greensp
Snell, Gertrude Margaret	<i>LAS</i>	84 $\frac{2}{3}$	* † Oak Park
Snell, Myron Alonzo	<i>Chem</i>	102 $\frac{2}{3}$	* † Oak Park
Snider, Gerald DeWitt	<i>Accy</i>		* † Campaign
Snively, Ethan Allen	<i>SS</i>	2	* † Canton
Snively, John Rowe, A.B., 1921	<i>Law</i>	32 $\frac{1}{3}$	* † Lanark
Snoddy, Sherman Cummings	<i>Accy</i>	31	* † Redmon
Snodgrass, Glenn Ralph	<i>Ath</i>	60	* † Mannington, West Virginia
Snodgrass, Harry William	<i>Agr</i>	33	* † Geneseo
Snodgrass, Mary Helena	<i>LG</i>	25	* † Camaguey, Cuba
Snyder, Carl Houston	<i>Accy</i>	54	* † Neoga
Snyder, Donald Ayres	<i>IndA</i>	17	* † Mt. Pulaski
Snyder, Earl Manning	<i>Bus</i>		* † Indianola
Snyder, LeRoy	<i>LG</i>		* † Wichita, Kansas
Snyder, Lisle Curtis	<i>Bus</i>		* † Urbana
Snyder, Lois Mazelle	<i>Bus</i>		* † Urbana
Snyder, Martha Valentine	<i>LAS</i>		* † Lake Junaluska, North Carolina
Snyder, Mary Edna	<i>HELAS</i>		* † Neoga
Snyder, Mignonne Kathleen	<i>LAS</i>		* † Lake Junaluska, North Carolina
Soderberg, Victor Lionel	<i>ChE</i>	75 $\frac{1}{2}$	* † Chicago
Sogolow, Morris Harris	<i>Ath</i>	33	* † Omaha, Nebraska
Solodoff, Nicholas Alexander	<i>ME</i>		* † Kursk, Russia
Somers, Harry Kerr	<i>EE</i>	8	* † Campaign
Somers, Lee Adrian	<i>Voc esp (SS)</i>	22	* † Urbana
Somerville, Thomas Harold	<i>Bus</i>		* † Chicago
Sommer, Paul Nathaniel	<i>Bus</i>	30	* † Farmer City
Sommers, Byron Scott	<i>Bus</i>	26	* † Chicago
Sorenson, Marie Nelsena	<i>HELAS</i>	42 $\frac{2}{3}$	* † Savanna
Sorton, Ralph Frederic	<i>ME</i>	88 $\frac{1}{2}$	* † Kansas City, Missouri
Sostrin, Morris	<i>LawP</i>	29	* † Maywood
Sotier, Alfred Leon	<i>Chem</i>		* † St. Louis, Missouri
Soughers, Robert Philip	<i>EE</i>		* † Kansas

Soukup, Roy	ChE	27	* † Chicago
Soule, Charles Arthur	CE		* † Pensacola, Florida
Soule, John Edward	CE	07½	* † Chicago
South, Maude Ellen	Bus		* † Chicago
Southard, Edward Oliver	Bus	113	* † Elgin
Sowers, Herbert Taggart	LAS	102½	* † Streator
Sowers, Nelson Everett	EngPh	36	* † Greenville, Mississippi
Sparberg, Max Shane	LAS	103	* † Chicago
Sparks, Ferne	HELAS		* † Lincoln
Sparks, Mary Elizabeth	HELAS	70	* † Lincoln
Sparks, Norma Kathryn	LAS		* † Lincoln
Spates, Ruth Beatrice	HEAgr		* † Taylorville
Spaulding, Clarence Benjamin	Agr (SS)	131	* † Jacksonville
Speakman, John William	Law		* † Champaign
Spear, Samuel Horace	Bus	35	* † Chicago
Specht, Florence	LAS		* † Chicago
Speers, Duane Collins	CE	30	* † Pontiac
Speltz, Arthur Francis	SS	8	* † Boyne City, Michigan
Spence, Lloyd William	Ath		* † LaCrosse, Wisconsin
Spence, William Kenneth	ME (SS)	106½	* † Chicago
Spencer, Charles Samuel	Chem (SS)	01½	* † Fandalia
Spencer, Cynthia Eugenia, A.B., 1917	SS		* † Champaign
Spencer, Egbert Gerald	AE	50	* † Lanark
Spencer, Mrs. Eugene J	SS		* † Champaign
Spencer, Grace Greenwood	ChE	118	* † Payson
Spencer, John Davis	LAS		* † Rock Island
Spencer, Lois Margaret	HELAS		* † Robinson
Spencer, Mable Agnes	LAS (SS)	88½	* † Payson
Spencer, Virginia Goodwin	LAS		* † Kanerville
Sperling, Friede	HELAS		* † Urbana
Spero, Nathan Sidney	Bus		* † Waukegan
Spero, Theodore	Bus		* † Waukegan
Sperry, Clarence Edgar	RME (SS)	55	* † Alton
Sperry, Dean Ellsworth	Accy	32	* † Peoria
Sperry, Gladys Marie	LAS		* † Urbana
Sperry, James Lawrence	Bus		* † Sistersville, West Virginia
Spicer, Ralph Faraday	AE	109½	* † Joliet
Spills, Dorothy	Int		* † Chicago
Spilver, George Searles	LAS	101½	* † Chicago
Spindel, Russell Randolph	Agr		* † Springfield
Spira, Leo	LAS (SS)	118½	* † Chicago
Spiro, Ralph Herbert	Bus		* † Chicago
Spoerer, George Richard	Bus	53	* † Chicago
Sponsler, Gertrude, A.B., 1921	SS	130	* † Hutchinson, Kansas
Spoor, Robert Newcomb	SS	8	* † Oshkosh, Wisconsin
Spore, Allen	EE		* † Chicago
Sprague, Alice Cornelia	HEAgr	03½	* † Lockport
Sprague, Bernice Julia	SS		* † Canton
Sprague, Fulford Howe	ForC	74½	* † Sheffield
Sprague, John Wilbur	Agr	03	* † Hull
Springer, Eugene Alden	Bus		* † Hurst
Springer, Harry Morton	SS	7	* † Robinson
Springer, Robert Lynn	Ath	17½	* † Parson, Kansas
Sprouse, Andrew Donald	Bus		* † Cambridge
Spurlock William Roy	IndA	33	* † Huntingburg, Indiana
Squier, Arthur Augur	ME (SS)	110	* † Rockford
Strout, Florence Martin	HELAS	73	* † Pontiac
Strout, Hester Dorothy	LAS	09	* † Pontiac
Stachel, Edward Henry	EE	74½	* † Glencoe
Standinchenko, Marie Maximovna	LAS (SS) sp	20	* † Valdistorok, Russia
Staehke, Mrs. Ida Marie	LAS (SS)	03	* † Urbana
Stafford, Harold King	ForC	04	* † Alton
Stahl, Archie Edward	IndA	73	* † Alton
Stahl, Cecil Norman	ForC	100½	* † Alton
Stahl, Chouteau Platt	EE	30½	* † Chicago
Stahl, Samuel Thomas	ChE		* † Chicago
Stahl, William Frederick	EE	34	* † Evanston
Staley, Wayne Daniel	ChE		* † Urbana
Stanberry, Malora Mae	HEAgr	94½	* † Charleston
Stanberry, Russell Alva	Accy		* † Charleston
Stanford, Clark Franklin	Agr	33	* † Forrest
Stanford, Mabel Julia	HEAgr	90½	* † Forrest
Stanford, Rolland Clinton	LG	30	* † Ishpeming, Michigan
Stanger, Paul Carl	ChE		* † Elmhurst
Stanley, Katherine Kemp	HELAS	32	* † Decatur
Stanley, Paul Mc Lean	Com	33	* † Decatur
Stansfield, John William	Agr		* † Lawrenceville
Stark, Elizabeth	LAS		* † Urbana
Stark, Julian Howard	EE	80	* † Hume
Stark, Max William	ForC	80	* † Hume
Starr, Charles William	Bus	32	* † Decatur
Starr, Elva Elizabeth	LAS	00	* † Anderson
Starr, Howard D	ChE	41	* † Champaign
Stauffer, Martin Edward	SS	5	* † Mulberry Grove
Stead, George Albert	LAS	34	* † Griggsville
Stearn, Joseph Bertram	Bus	32	* † Chicago

Stearns, Harry Clinton, Jr.	EE		* †	Maywood
Stearns, Torrey Benjamin	LAS	32	* †	Chicago
Stedtfeld, Henry Sydney	Bus			Indianapolis, Indiana
Steel, David Elliot	ME		* †	Huntingdon, Pennsylvania
Steele, William Alton	SS			Shelbyville
Steely, John Darrough	Ind A		* †	Watska
Stefanides, Victor	MinE	57½	* †	Champaign
Stefanoff, Nenko	RME	47	* †	Gary, Indiana
Steffa, Walter Clyde, Jr.	Agr		* †	Chicago
Stege, George Richard, Jr.	ChE	101½	* †	Oak Park
Stegenga, Gladys	Mus (SS)	105½	* †	Thornton
Stein, Adam Edward	Bus (SS)	52	* †	Sibley
Stein, Clarence Cornelius	MedP	62	* †	Cine
Stein, Elizabeth	SS	8½		Murphysboro
Stein, Herman William	CE	113½	* †	Chicago
Stein, Joseph	Accy	40	* †	Chicago
Steinberg, Naomi Annette	Mus	67	* †	Chicago
Steiner, Helen Elizabeth	LAS	57½	* †	Morrison
Steinert, Lars Eric Theodore	SS	57½		Chicago Heights
Steinhauser, Emma Mary	HELAS	28	* †	Berwyn
Steinhauser, William August	AE	113	* †	Berwyn
Steinkraus, Walter George	ChE		* †	Chicago
Steinman, Clarence Joseph	Ind A	65	* †	St. Louis, Missouri
Steinmetz, John Armand	Bus	109½	* †	Pekin
Steinwedell, William	Ind A	53	* †	Cleveland, Ohio
Stelford, Roger Cooper	Agr sp		* †	Gilbert
Stenwell, William	CE (SS)	70	* †	Maywood
Stenicka, Charles Edward	EE	105	* †	Omaha, Nebraska
Step, Francis Eugene	ME	103	* †	Paris
Stepan, Oliver	Arch	30	* †	Cedar Rapids, Iowa
Stepan, Theodore Emanuel	ME	53	* †	Cedar Rapids, Iowa
Stephan, Frederick Franklin	LAS	35	* †	Oak Park
Stephens, Dorothy Virginia	Jnl		* †	Anderson, Indiana
Stephens, Lewis	Ath	43½	* †	Industry
Stephens, Pauline Elizabeth	Bus		* †	Chicago
Stephens, Ross	SS	06½		Urbana
Stephenson, Amy Beatrice	HEAgr		* †	Bloomington
Stephenson, George Floyd	Voc vs p		* †	Valley City
Stephenson, Warren Watson	SS			Peru, Nebraska
Stern, Dorothy Darling	LAS		* †	Champaign
Stern, Eugene Jules	Ind A	75	* †	Montgomery, Alabama
Steranan, Joseph Theodore	Ind A (SS)	76½	* †	Springfield
Stetler, Rupert A	CE	38½	* †	Indianapolis, Indiana
Stetler, Roland Guest	ForC	47½	* †	Chicago
Stetler, Shirley Warren	ChE		* †	Chicago
Stevens, Albert Beveridge	MinE	72	* †	Columbus, Indiana
Stevens, Arthur Merchant	Bus	71	* †	Chicago
Stevens, Byron Francis	ForC		* †	Elmhurst
Stevens, Cora Anna	LAS (SS)	38	* †	Champaign
Stevens, Frances Lucile	HELAS	60	* †	Urbana
Stevens, George Davis	Bus		* †	Chicago
Stevens, Gus Kelly	Ind A (SS)	3	* †	Hopkinsville, Kentucky
Stevens, James William	Bus (SS)	35½		Highland Park
Stevens, Kenneth Gray	Bus		* †	Chicago
Stevens, Marion George	Bus		* †	Harvey
Stevens, Norma Woodmancy	LAS	40½	* †	Champaign
Stevens, Walter Judson	Law	20	* †	Champaign
Stevenson, Helen Gould	LAS	33	* †	Harvey
Stevenson, Jeannette	LAS		* †	Harvey
Stevenson, Pauline Roberta	LAS	60½	* †	Fairfield, Iowa
Stevenson, Ross James	ME (SS)	92	* †	Kansas City, Missouri
Stevenson, Shirley	HELAS		* †	Gilman
Stewart, Archie Samuel	Jnl		* †	Wiggins, Mississippi
Stewart, Clarence Putnam	ChE	35	* †	Peru
Stewart, David Jackson	CE	75	* †	Ava
Stewart, Everett Charles	Bus	51	* †	Fowler, Indiana
Stewart, Forrest Augustus	Agr		* †	Charleston
Stewart, Madge Lucile	HELAS	127	* †	Monmouth
Stewart, Malcolm Douglas	LAS		* †	Hammond, Indiana
Stewart, Paul G	EE		* †	Chicago
Stewart, Paul James	Ath	53	* †	Chicago
Stewart, Walter Sunkel	Agr	7½	* †	Paris
Stewart, William Martin	Accy	67	* †	Alton
Stice, James Maurice	Law sp		* †	Urbana
Stick, Geneva Lorraine	LAS		* †	Muncie, Indiana
Stickle, John Bain	Ind A		* †	Indianapolis, Indiana
Sticklen, Margaret	HELAS		* †	Macomb
Stickler, Mabel Christine	LAS			Alton
Stickney, Brewster	Bus		* †	Champaign
Stickney, Clifford	LAS	60	* †	Champaign
Stiefel, Frank Benedict	Bus		* †	Salina, Kansas
Stiefenhofer, Howard George	Bus	32	* †	Barrington
Stigemeyer, Edna Joanne	LAS	65	* †	St. Louis, Missouri
Stiglitz, Nathaniel David	LAS		* †	Hammond, Indiana
Still, Mary Evelyn	LAS		* †	Urbana
Still, Roy Jennings	Ath	28½	* †	Killbuck, Ohio

Stillwell, Leland Manford Thomas	MedP	32	* †	Champaign
Stine, Gertrude	LAS		†	Highland Park
Stines, Omar Malcolm	Agr sp	35	* †	Capron
Stippes, Patty	HE Agr sp		†	Chicago
Stoafier, Ollie Mae	SS	52½		Centralia
Stoeker, Raymond Donald	LAS		* †	Alton
Stodola, John	ForC	17½	* †	Hammond, Indiana
Stoockle, George William	Bus	26½	* †	Sterling
Stoetzel, Edward Duane	ME	8	* †	Oak Park
Stoetzel, Herbert William	Bus	64	* †	Chicago
Stoeverer, Leona Bertha	HELAS (SS)	69½	* †	Raymond
Stohrer, Walter Albert Fred	LAS	97%	* †	Chicago
Stoik, Theron LeRoy	Jnl		* †	Clinton, Iowa
Stokes, Wallace Henry	Bus	30	* †	Highland
Stoler, Seward Carlisle	Bus		* †	South Bend, Indiana
Stoll, Alma	Chem	62	* †	Aurora, Indiana
Stoll, Charles Gilbert	SS	8		Lawrenceville
Stoll, Herbert Manuel	CE	73	* †	Oak Park
Stolte, John F	Bus			Waterloo, Iowa
Stoltey, Marjorie Zell	LAS	92%	* †	Champaign
Stompe, Albert Weenink	FOM		* †	Chicago
Stone, Elizabeth Louise	LAS		†	Belvidere
Stone, Ernest Wesley	CE	55	* †	Clarksdale, Mississippi
Stone, George William	Agr (SS)	111	* †	Pontiac
Stone, Harry Francis	FOM (SS)	95	* †	Danville
Stokey, Charles Abram, Jr.	Agr	43%	* †	Belleville
Stoops, Donald H	Bus	41½	* †	Naponee, Indiana
Storer, Ben Wade	LAS (SS)	117%	* †	Centralia
Storer, Robert Newton	CE		* †	Urbana
Storer, Wilson Bates	Accy	59½	* †	Centralia
Storm, Mona Gertrude	LAS	33	* †	Morrisville
Stormont, Lowell Heston	Bus (SS)	101%	* †	Indianapolis, Indiana
Story, Mrs. Jessie Gertrude	SS	79½	* †	Pawnee, Nebraska
Stotlar, Owen Edwin	Bus		* †	Marion
Stout, George William	LAS	32	* †	New Castle, Indiana
Stout, Orville	Flor		* †	Columbia City, Indiana
Stoutenburgh, Paul Prosser	Chem		* †	Norwalk, Ohio
Stowe, Wilda Agnes	LAS	17	* †	Champaign
Strader, George Michael	AE	77	* †	Danville
Strader, Kenneth Harold	ChE (SS)	64	* †	Denver, Colorado
Strain, Robert Milford	SS	40½		Decatur
Strandberg, Avery	SS	60½		Lockport
Strane, Archie Aber	CE	115½	* †	Champaign
Strass, Gerald Lytle	AE		* †	Chicago
Strasser, Joseph Mast	FOM (SS)	94	* †	Joliet
Straub, Lorenz George	CE	84½	* †	Kansas City, Missouri
Straube, Alfred Gustav	MedP		* †	Milwaukee, Wisconsin
Straus, Alan Livingston	Bus	32½	* †	Bloomington
Strause, J Jack	Bus		* †	Peoria
Strauss, Evan Bryson	Bus	77%	* †	Gibson City
Strawbridge, Ethel Louise	LAS	31	* †	Chicago
Strawbridge, Ewart, B.S., 1921	SS	150%	* †	Chicago
Stricker, Earl Edward	LAS	32	* †	Okawville
Strickle, Helen McLean	SS	5½		Bloomington
Strickle, Robert McLean	Agr	78	* †	Bloomington
Strike, Clifford Stewart	EE	35	* †	St. Joseph, Missouri
Stringer, Harold Huddard	Accy	56	* †	Ft. Dodge, Iowa
Strobel, John Elroy	M nE	27%	* †	Waukegan
Strode, Randolph William	ME	70	* †	Urbana
Strohecker, Warren Dale	Agr	78	* †	Freeport
Strohecker, Mrs. Warren Dale	Agr sp		†	Neillsville, Wisconsin
Strohm, Margaret Irene	LAS	98%	* †	Lovington
Stroker, Arthur Carr	Agr		* †	Wauconda
Stroker, Eugene Carr	Bus		* †	Wauconda
Strombeck Merl Donald	IndA	73½	* †	Plymouth
Strong, Alice Mae, B.S., 1921	Lib (SS)	7	* †	Mitchell, South Dakota
Strong, Fred Harry	Bus	69	* †	Chicago
Strong, Kenneth Beach	CerE		* †	Chicago
Strong, Orrin Dale	Agr	8	* †	Rushville
Strong, William Stanley	Bus	25	* †	Morris
Stroube, Clarence Knox	Agr	60½	* †	Champaign
Strouce, Frank Arnold	CE	11	†	Chicago
Strout, Frank Hiram	EE	37%	* †	Harvey
Strubenger, George Ralph	Agr	30	* †	Allerton
Strubinger, Lucian Hart	Agr	52	* †	Barry
Stuart, Roxie Katherine	LAS	97%	* †	Quincy
Stuart, Winifred Mable	HELAS	32	* †	Champaign
Stubbins, John Russell, B.S., 1921	SS	31½	* †	Champaign
Stubblefield, Ray Edison	Agr	70	* †	Bloomington
Stubbs, Kathryn	LAS	34	* †	Fowler, Colorado
Stubbs, Sadie Levina	Law sp	28	* †	Lincoln, Nebraska
Stuckey, George Border	Bus	2%	* †	Allona
Studebaker, William Taylor	Bus	35	* †	Logansport
Stuebe, John Joseph	Bus		* †	Chicago
Stuebe, Leonard Russell	EE	71	* †	Danville
Stuebe, Louis Frank	ChE	109%	* †	Danville

Stuessy, Melvin Mathias	<i>Ath</i>		*	Woodstock
Stufflebeam, Emil Carroll	<i>Agr</i>		*	Rossville
Stulginski, Bruce Alexander	<i>EE</i>	37	* †	Westville
Stull, Hazel Golda	<i>LAS</i>	31	* †	Centralia
Stull, Verna Mabel	<i>LAS</i>		* †	Centralia
Stumpf, Wippert Arnot	<i>Accy</i> (SS)	105	* †	Elgin
Sturdivant, William Okeson	<i>IndA</i>	20%	* †	Chicago
Sturdyvin, Evelyn Marie	<i>LAS</i>	30	* †	Champaign
Sturgeon, Margaret Erma	<i>LAS</i> (SS)	94	* †	Fisher
Sturgis, Charles Ernest, Jr.	<i>Bank</i>	8	* †	Bluffton, Indiana
Suchrstedt, Henry George	<i>CE</i>	78	* †	Hinsdale
Suess, Gertrude M	<i>SS</i>		*	McCook, Nebraska
Suffern, Samuel George	<i>MinE</i>	17	*	Coal City
Sullins, Vivian	<i>LAS</i>	47%	* †	Marshall
Sullivan, George Cornelius	<i>CE</i>	116%	*	Highland Park
Sullivan, George F	<i>Agr</i>		* †	Wellington
Sullivan, Lawrence Ennis	<i>LawP</i>		* †	Morrison
Sullivan, Lawrence John	<i>CE</i>		* †	Clinton, Iowa
Sullivan, Leroy Morris	<i>LawP</i>	30	* †	Edgeley, North Dakota
Sullivan, Malochy	<i>SS</i>		* †	Kansas City, Kansas
Sullivan, Mary Delphine	<i>SS</i>	16½	*	Jacksonville
Sullivan, Nora Margaret	<i>Jnl</i> (SS)	5	*	Stonington
Sullivan, Paul Harry	<i>Bus</i>	73	* †	Attica, Indiana
Sullivan, Robert Emmet	<i>Bus</i>	30	* †	Stonington
Sumarakoff, Leonard Paul	<i>Arch</i>		* †	Champaign
Sumerski, Dewey Burris	<i>ME</i>	46	*	Libertyville
Summerfield, Robert Lloyd	<i>ForC</i>		* †	Chicago
Summers, Mrs. Ruth S	<i>Mus</i>		* †	Urbana
Sun, Oliver Lawrence	<i>Bus</i>	27	* †	Shanghai, China
Sun, Tsung Yu	<i>Bus</i>		*	Tsinan, China
Sundberg, Lillian El Vera Marie	<i>SS</i>		*	Sterling
Sunderland, Glen Henderson	<i>SHAAgr</i> (SS)	85	* †	Burlington, Colorado
Sung, Ching Tao	<i>ForC</i>		* †	Fengtin, China
Supirak, Michael Peter	<i>CE</i>		* †	Cicero
Sutherland, Wesley Burr	<i>Bank</i>	98	* †	Sioux City, Iowa
Sutter, John Henry	<i>CE</i>	5	* †	Winnetka
Sutton, Delbert Sylvester	<i>LAS</i>		* †	East Chicago, Indiana
Sutton, Mark	<i>AC</i>	51	†	Terre Haute, Indiana
Sutton, William Scott	<i>SS</i>	6½	*	Kilbourne
Suvoong, Charles Bartlett	<i>SS</i>	7½	*	Shanghai, China
Svihla, Arthur	<i>Agr</i>	32	* †	Chicago
Swain, Burton Franklin, Jr.	<i>Bus</i>		†	Shelbyville, Indiana
Swain, Robert Steven	<i>EE</i>		* †	Chicago
Swanson, Elmer Albert	<i>ME</i>	107	* †	Chicago
Swanson, Franklin Leroy	<i>SS</i>	32%	*	Hoopeston
Swanson, John Walfred	<i>SS</i>		*	Joy
Swanson, Leah Frances	<i>HEAgr</i> (SS)	104½	* †	Mason City, Iowa
Swanson, Lillian Emelia	<i>SS</i>	8½	*	Monmouth
Swanson, Reuben Edgar	<i>LawP</i> (SS)	94½	* †	Prophetstown
Swanson, Viola Marguerite	<i>LAS</i>		* †	Chicago
Sward, Eleanor Christine	<i>LAS</i>	24	* †	Chicago
Sward, Lawrence Howard	<i>Bus</i>	122	* †	Chicago
Swarthout, Kenneth Lowrel	<i>Eng</i>	25	* †	Chicago
Swartz, Carl Errett	<i>Chem</i>	74	* †	Danville
Swartz, Cecil Augustus	<i>Agr</i>	85½	* †	Williamsfield
Swartz, Eugene Harvey	<i>IndA</i>		* †	Gary, Indiana
Swearingen, Clair Vere	<i>MSE</i> (SS)	90%	* †	Champaign
Swearingen, James Isaac	<i>LAS</i>	49	* †	Heyworth
Swearingen, Lellia Fern	<i>SS</i>	41	* †	Champaign
Sweeney, Clare Louise	<i>Mus sp</i>	2	* †	Long Island, New York
Sweeney, Marshall Joseph	<i>Bus</i>		* †	Chicago
Sweeney, Thomas, Jr.	<i>EE</i>	8	* †	Sesser
Sweet, Paul Cunliffe	<i>Ath</i>	67	* †	Battle Creek, Michigan
Sweet, Robert Lackwood	<i>Bus</i>	33	* †	Kansas City, Missouri
Swennumson, Glenn Allan	<i>Ath</i>		* †	Portal, North Dakota
Swenson, Byron Wellington	<i>Eng</i>		* †	Ishpeming, Michigan
Swenson, Carl Adolph	<i>Law</i>	34½	* †	Rockford
Swenson, Virginia Sigrid	<i>LAS</i>		* †	Chicago
Swift, Helen Louise	<i>LAS</i>	65	* †	Belvidere
Swift, Marcel Carlyle	<i>Bus</i>		*	Butler, Indiana
Swilley, Albert Allen	<i>Bus</i>	8	* †	Portageville, Missouri
Swinehart, Charles Edwin	<i>LG</i>	139	* †	Stuart, Iowa
Swinehart, Pauline Marguerite	<i>LAS</i>		* †	Champaign
Winnerton, George Russell	<i>CerE</i>		* †	Warren, Ohio
Switzer, Fenton Merwyn	<i>ForC</i>		* †	Farina
Switzer, George Benjamin	<i>LAS</i>	68%	* †	Plymouth, Indiana
Switzer, Lars Waldorf	<i>MedP</i>	33½	* †	Ludington, Michigan
Syed, Mustafa	<i>EE</i>	87½	* †	Bannipore, Indiana
Tabor, Hubert Baker	<i>Agr</i>	103½	* †	Sullivan
Tabor, Lucille Ann	<i>Bus</i>		* †	Belvidere
Taft, Harold	<i>CE</i>	71	* †	Orangeville
Taggart, Grace Lucille Harper	<i>LAS</i>		* †	Murphysboro
Taheny, John Aloysius	<i>EE</i>		* †	Chicago
Tai, Hon Hang	<i>Bank</i> (SS)	19	* †	Hong Kong, China
Tait, Albert John	<i>ME</i>		* †	Pueblo, Colorado
Tait, Malcolm Aikman	<i>Bus</i>		* †	Evanston

Takaku, Kiyochi Kichishiro	IndA	20	*	Japan
Talbot, Rachel Harriet, A.B., 1918	SS			Urbana
Talbot, Ralph Hayes	ChE	134	* †	Champaign
Talkington, Charles Benjamin	Bus sp		†	Virden
Talkington, Eldon Arnold	Bus		†	Virden
Tall, Winston Burwell	ChE	61 $\frac{2}{3}$	* †	Chicago
Talmage, Daniel H	Bus		* †	Champaign
Tambling, Robert Leicester	Agr	59	* †	Oberlin, Ohio
Tamborrel, Manuel	ChE	40 $\frac{2}{3}$	* †	Mexico City, Mexico
Tanenbaum, Albert Lewis	ChE		* †	Chicago
Tangerman, John Albert	MinE sp	103	* †	Hammond, Indiana
Tanigawa, George Noboru	LAS (SS)		* †	Flora, California
Tankersley, Aenid Emilie	LAS	101 $\frac{1}{6}$	* †	Chicago
Tankersley, William Normand	Bus	66	* †	Chicago
Tannenbaum, Sol D	ChE		* †	Chicago
Tanner, Clara May	Bus		* †	Sauwemin
Tanner, Norbert Peter	CE	21	* †	Chicago
Tappan, Edward Arthur	Ath	35	* †	Urbana
Tappan, Mabelle	Mus	28	* †	Urbana
Tapscott, Georgia May	HE Agr		* †	Owensboro, Kentucky
Tarbell, Charles Gilman	Bus	98 $\frac{1}{3}$	* †	Waterloo, Iowa
Tarbox, Sidney Eugene	LAS	69	* †	Yorkville
Tarman, Arthur McLean	SS		* †	Champaign
Tarman, Mrs. Lucy	SS		* †	Champaign
Tarrant, Berrien Wilbur	ChE		* †	Chicago
Tascher, Harold	LAS		* †	Ashkum
Tascher, Wendell Russel	Agr	33	* †	Ashkum
Tate, Besto Franklin	SS	50	* †	Beecher City
Taubert, Carl August	LG	6	* †	Cassellton, North Dakota
Taubert, Edward August	LG	138 $\frac{2}{3}$	* †	Cassellton, North Dakota
Taxon, Philip Louis	LAS	10	* †	Rockford
Taylor, Florence, Irene	LAS		* †	Philo
Taylor, Albert Max	MedP	24	* †	Mooreville, Indiana
Taylor, Arthur Paul	Agr	57	* †	Roseville
Taylor, Berenice Lucile	LAS	76	* †	Princeville
Taylor, Bert Sidney	Chem	105 $\frac{2}{3}$	* †	Springfield
Taylor, Byron Elred	Ath	72	* †	Princeville
Taylor, Chalmer Cline, A.B., 1920	Law		* †	Champaign
Taylor, Charles Emile	Accy	26 $\frac{2}{3}$	* †	Harrisburg
Taylor, Daniel Earl	Bus	15 $\frac{1}{2}$	* †	Shelbyville, Missouri
Taylor, Dolores Ellen	SS	15	* †	Arthur
Taylor, Donald Francis	LAS		* †	Woodstock
Taylor, Elbert Wallace Arnold	EE	105	* †	Litchfield
Taylor, Eleanor Jane	LAS	25	* †	Indianapolis, Indiana
Taylor, Eugene Emerson	MedP	41 $\frac{1}{3}$	* †	Le Roy
Taylor, Fanny Adolphia	LAS	14	* †	Lorejoy
Taylor, Frederick Wilson	LAS		* †	Wilmette
Taylor, George Alexander	Accy (SS)	3	* †	St. Louis, Missouri
Taylor, George Y	EE	97 $\frac{1}{3}$	* †	Bismarck
Taylor, Harold John	Law		* †	Effingham
Taylor, Helen June	HELAS	55	* †	Effingham
Taylor, Helene Browne	Bus		†	Mooreville, Indiana
Taylor, Irwin Clayton	LawP		* †	Kankakee
Taylor, James Bent	Bus		* †	Louisville, Kentucky
Taylor, John Bradshaw	ChE		* †	Peoria
Taylor, Julian Amos	Agr	107	* †	Springfield
Taylor, Miriam	Mus	16 $\frac{1}{6}$	* †	Virginia
Taylor, Robert Bell	EE		* †	Peoria
Taylor, Robert Rochon	Bank	13	* †	Tuskegee, Alabama
Taylor, William Herman	Bus	55	* †	Decatur
Taylor, William Marion	Agr	29	* †	Virginia
Taze, Donovan Long	ME	103	* †	East Moline
Taze, Edwin Harold	CE		* †	East Moline
Teagle, Everett James	SS	61 $\frac{1}{3}$	* †	Keystone, Indiana
Tebo, Thomas Everett	Bus	24	* †	Chicago
Teed, Delosa Frederick	Bus		* †	Springfield, Missouri
Teeter, Louis Blair	LAS	26	* †	Carbondale
Teeters, Ethalinda Berniece	HELAS	103 $\frac{1}{3}$	* †	Auburn
Teghtmeyer, Lauren Evart	CE	104	* †	Bremen, Indiana
Teghtmeyer, Max Garvin	CE		* †	Bremen, Indiana
Tegtmeyer, Adolph Henry	IndA		* †	Campbell Hill
Tegtmeyer, Celia Emma	Bus		†	Chicago
Telling, Winona	SS	14 $\frac{1}{2}$	†	Decatur
Temma, August Ernest	Foe osp	24	* †	Hinckley
Temple, Claude Marion	LAS	77 $\frac{1}{3}$	* †	Mattoon
Templeton, Mark Miller	Chem	65	* †	Palestine
Templen, Katherine Louise	LAS	17	* †	Champaign
Ten Cate, Leah Gertrude, Ph.B., 1917	Lib		†	Chicago
Ten Cate, Jennie Cornelia, Ph.B., 1917	Lib		†	Chicago
Tendrick, John Samuel	Bus (SS)	92 $\frac{1}{6}$	* †	Canton
Tener, Dorothy Wallis	LAS		* †	East Cleveland, Ohio
Tenning, John Albert	Ath	31	* †	Chicago
Tenney, Frank Melville, Jr.	Bus	31	* †	Decatur
Tenney, Ralph Emerald	ME		* †	Bridgeport
Tennis, Gayland Everette	Agr		* †	Robinson
Terrill, Max Thomas	Bus		* †	Macomb

Teuscher, John Ernst	<i>Ath</i>	63	* †	St. Louis, Missouri
Teuton, George Almon	<i>Accy</i>	25	* †	Metropolis
Thackham, Edwin William	<i>Bus</i>	70	* †	Moline
Thayer, Bessie Alice	<i>LAS</i>	60	* †	Urbana
Thayer, Ernest Adelbert	<i>IndA</i>		* †	Urbana
Thayer, Janet Campbell	<i>LAS</i>		* †	Chicago
Thayer, Mildred Evelyn	<i>LAS</i>	33	* †	Chicago
The, Kok Tie	<i>Bank</i>		* †	Java, B. E. I.
Theibert, Roscoe John	<i>SS</i>	24		Marion, Indiana
Thelen, Jerome Balthassar	<i>EE</i>		* †	Aurora
Theodoroff, Jordan	<i>ME (SS)</i>	40	* †	Eski-Djoumoia, Bulgaria
Thiel, Charles John	<i>Chem</i>	60 $\frac{1}{2}$	*	Chicago
Thiel, Emery George	<i>Accy (SS)</i>	60 $\frac{1}{2}$	* †	Bryan, Ohio
Thiel, Ernest	<i>ME</i>	57	* †	Chicago
Thiele, Francis Benedict	<i>LAS</i>	98	* †	Chicago
Thoeming, Albert William	<i>Bus</i>		* †	Tuscola
Tholin, Albert Linne	<i>MinE</i>	41	* †	Downers Grove
Thomas, Alpheus Winfield	<i>Bus</i>	65 $\frac{1}{2}$	* †	Winegar, Wisconsin
Thomas, Charles Fred	<i>Med P</i>	22 $\frac{1}{2}$		Alein
Thomas, Dorothy Evelyn	<i>HELAS</i>		* †	Aurora
Thomas, Edythe Josephine	<i>LAS</i>	46	* †	Green Bay, Wisconsin
Thomas, Emile Woodson	<i>Agr</i>	29 $\frac{1}{2}$	* †	St. Louis, Missouri
Thomas, Frederick Hayward	<i>IndA</i>	85	* †	Moline
Thomas, Harl Robert	<i>Agr</i>		* †	San Benito, Texas
Thomas, Harold Dewey, B.S., 1920	<i>SS</i>	141 $\frac{1}{2}$		Bisbee, Arizona
Thomas, James Gladwyn	<i>LAS</i>	71	* †	Oklahoma City, Oklahoma
Thomas, John T	<i>Law</i>			Champaign
Thomas, Marjorie Marilyn	<i>LAS</i>	31	* †	Fairfield
Thomas, Raymond Stanley	<i>Bus</i>	63 $\frac{1}{2}$	* †	Vernon
Thomas, Roland Robbins	<i>SS</i>			Annapolis, Maryland
Thomas, Ruth Elizabeth	<i>SS</i>	11 $\frac{1}{2}$		Champaign
Thomas, Theodore	<i>Jnl</i>		* †	Springfield
Thomas, Velma	<i>SS</i>	14		Champaign
Thompson, Mrs. Agnes Loomis	<i>LAS</i>	121		Chicago
Thompson, Agnes Myrtle	<i>SS</i>	6 $\frac{1}{2}$		Rochouse
Thompson, Albert Wilder	<i>LAS (SS)</i>	109 $\frac{1}{2}$	* †	Harey
Thompson, Augustus Charles	<i>IndA</i>		* †	Peoria
Thompson, Charles Woody	<i>LAS (SS)</i>	79	* †	Urbana
Thompson, Clinton Samuel	<i>EE</i>	63 $\frac{1}{2}$	* †	Ulin
Thompson, Clyde Lowry	<i>EE</i>		* †	Mt. Vernon
Thompson, Donald Arthur	<i>LAS (SS)</i>	117 $\frac{1}{2}$	* †	Mendon
Thompson, Donna Grace	<i>LAS</i>		* †	Chicago
Thompson, Farley Lynn	<i>AC</i>		* †	Girard
Thompson, Guy Holsinger	<i>Ed</i>	102	* †	Fayetteville, Pennsylvania
Thompson, Hale Arthur	<i>LAS</i>	5	* †	Freeport
Thompson, Harold Dean	<i>CE (SS)</i>	31	* †	Chicago
Thompson, Jacqueline Winifred	<i>LAS</i>	31	* †	Evansion
Thompson, John Philip	<i>CE</i>	106	* †	Aurora
Thompson, Julia M	<i>LAS (SS)</i>	98 $\frac{1}{2}$	* †	Champaign
Thompson, Lowell Ernest	<i>Bus</i>	121		Champaign
Thompson, Lynn Farley	<i>Ath</i>		*	Girard
Thompson, Ralph Langton	<i>Bus</i>	52	* †	Sullivan, Indiana
Thompson, Robert Gail	<i>Bank</i>	100 $\frac{1}{2}$	* †	Berwyn
Thompson, Thomas	<i>Bus</i>		* †	Rensselaer, Indiana
Thorne, John Farley	<i>Bus</i>	41	* †	Forrest
Thornhill, Walter Roger	<i>LAS</i>		* †	Champaign
Thornsburg, Thelma T, A.B., 1921	<i>LAS irr</i>		* †	Urbana
Thornton, Andrew Robertson	<i>SHAAgr</i>	74	* †	Elgin
Thornton, Enos Barton	<i>ChE</i>		* †	Tuscola
Thornton, William Ferguson	<i>CE</i>	72	* †	Chicago
Thorpe, Alonzo Valedo	<i>Bus</i>	93	* †	Dearou, Michigan
Thorpe, Gretchen Belding	<i>LAS</i>		*	Berwyn
Thrasher, Chauncey Albert	<i>ChE (SS)</i>	70	* †	Thawville
Thrasher, Lloyd Laverne	<i>Accy</i>	104	* †	Wheatland, Wyoming
Thrasher, Ruth Elizabeth	<i>LAS</i>	64	* †	Kansas City, Missouri
Throckmorton, Charles Otto	<i>LAS</i>	8		Strasburg
Thureson, Nels Arthur	<i>EE</i>		*	Berwyn
Thurman, Leslie Clinton	<i>C&L</i>	35	* †	Kansas City, Missouri
Thurston, Alfred William	<i>LAS</i>	132	* †	Champaign
Thurston, Blair Edwin	<i>ME</i>		* †	Rockford
Tice, Harold Isaac	<i>SS</i>	25		Tice
Ticen, Geneva Alice	<i>LAS (SS)</i>	90 $\frac{1}{2}$	* †	Colfax, Indiana
Tiedemann, Bert Justus	<i>LAS (SS)</i>	60 $\frac{1}{2}$	* †	O'Fallon
Tilds, Marion Hannah	<i>HELAS</i>	63	* †	Milford
Tilds, Paul	<i>IndA</i>	61	*	Milford
Tillman, Mrs. Lola	<i>SS</i>			Urbana
Tillotson, Clara Eva, A.B., 1921	<i>SS</i>	130 $\frac{1}{2}$		Roswell, New Mexico
Tilman, Luther Allen	<i>Bus</i>	61 $\frac{1}{2}$	* †	Wabash, Indiana
Tilsy, John William	<i>Agr</i>	86	* †	Lockport
Tilton, Edna Pauline	<i>LG</i>	60	* †	Chicago
Tilton, Herbert Fleming	<i>ChE</i>	62	* †	Chicago
Tinney, Homer Carleton	<i>Accy</i>	21		Butler, Indiana
Tisch, Frank P	<i>EE</i>		* †	Lake Forest
Tischner, Theodore	<i>Chem</i>	58	* †	Milwaukee, Wisconsin
Titus, Albert James	<i>MedP</i>	28	* †	Bloomfield, Indiana
Tkach, Michael Edward, B.S., 1921	<i>SS</i>	131 $\frac{1}{2}$		Streator

Tobias, Vernon Hardell	Voc esp (SS)	14	* †	Bethany, Missouri
Tobin, John Frames	ME	72	* †	Gilbers
Tod, Ida Florence	Lib sp		* †	Urbana
Todd, Roscoe Johnson	Bus	91	* †	Elgin
Todnem, Louis	SS	1/8		Santa Anna, California
Tolch, Noah Arthur	MinE	36	* †	Sigel
Toll, Karl Harold	Bus	32	* †	Chicago
Tolle, Harold Van Meter	Bus	13	* †	Cairo
Tomasek, Joseph Anton	ME		* †	Chicago
Tombaugh, Reid Raymond	Agr		* †	Pontiac
Tomlin, Bernard	Agr	50	* †	Easton
Tomlin, Reuel Marvin	Agr		* †	Easton
Tomlinson, Roy Harold	LAS		* †	Rushville
Tomm, George Edward	Agr		* †	Delavan
Toney, Leita Elizabeth	LAS	77	* †	Ottawa
Tongko, Ceita cto Lochico	MedP (SS)	26 1/2	* †	Rizal, Philippine Islands
Topper, Martin A.	LC	22 1/2	* †	Rizal, Philippine Islands
Topping, Maclachi Combs	MedP		* †	Terre Haute, Indiana
Torr, Raymond Osbourne	C&L	35 1/2	* †	Terre Haute, Indiana
Torrance, George	MinE	31	* †	Pontiac
Touchstone, James Herbert	SS	1 1/2		Powder Springs, Georgia
Touff, Hirsch	Agr sp		†	Chicago
Touff, Joseph	Bus	31 1/2	* †	Chicago
Tourek, George	SS	5		Chicago
Tourtletot, Frederick Ignatius	IndA	128 3/8	*	Oak Park
Tower, Robert Cooley	ME		* †	Chicago
Towle, Harold Leroy	Bus	2	* †	Oak Park
Towne, Allen Erastus	Bus	27	* †	Park Ridge
Towne, Jackson Edmund, M.A., 1917	Lib	35 3/4	* †	Milwaukee, Wisconsin
Towne, Milton Gaines	Agr	59	* †	Fayetteville, Arkansas
Townsend, Gladys Emily	LAS sp		*	Urbana
Townsend, Nellie Fern	Acry	79 3/8	*	Sidney
Tozier, Roy Becker, A.B., 1919	SS			Kempsville
Tracy, Bernice Edith	LAS	102	* †	Chicago
Trager, Gladys Valeria	HELAS (SS)	103 3/8	* †	Loda
Traksl, Louis Alex	CE		* †	Oak Park
Trank, Ralph Allen	ForC	88 3/8	* †	Rockford
Traut, Francis Harry	Bus	70 3/8	* †	Bradstown
Trautmann, Henry William	Agr (SS)	74 1/2	* †	Peoria
Trauvetter, Dorothy M	LAS	49	* †	Peoria
Trautwein, Mary Margaret Alene	LAS	26 3/8	* †	Morrison
Travers, Arthur Hopkins	Bus		* †	Gary, Indiana
Treadway, John Wyckoff	CE	28		Fisher
Treadwell, Charles Humphrey	Med P		†	Chicago
Treadwell, Laura Emma	LAS	68	* †	Kansas City, Missouri
Trebilcock, Paul Francis	LAS	22 1/2	* †	River Forest
Tredwell, Frederick Randolph	Bus		* †	Chicago
Tredwell, Ritchie Neely	Bus	72	* †	Chicago
Tree, Ethel Mildred	Ind Ed	65 3/8	* †	South Wayne, Wisconsin
Trelnach, Carols	ME		* †	Putra, Peru
Trenchard, Wendell Bondurant	Agr		* †	Dr Land
Trenkenschuh, Paul Walter	LatP		*	Rock Island
Trenkle, Howard Raymond	Bus	80 1/8	* †	Farmer City
Tress, Esther Marie	HELAS	33	* †	Chicago
Trexler, Leonard Ervin	EE	42	* †	Wheaton
Trias, Rafael Ferrer	Bus (SS)	85 1/2	* †	Catite, Philippine Islands
Trifonoff, Trifon Konstantinoff	EE (SS)	86	* †	Urbana
Triggs, Lawrence Fuller	Acry	66	* †	Huntington, Indiana
Trinkaus, Dorothy Anne	HEAgr		* †	Peoria
Tripp, Charles Morton	Agr sp		* †	Steger
Tripp, Donald Ardean	Ins	110	* †	Elgin
Trissal, John Meredith	CE		* †	Chicago
Troche, Ernest Richard	ME		* †	Cicero
Trogdon, Lois Blanche	LAS	98	* †	Vermilion
Trogdon, Mary Estelle	LAS	25	* †	Vermilion
Troup, Robert Cameron	SS	115 1/8	* †	Buffalo, New York
Trovillion, Howard W.	CE	3		Metropolis
Trovillion, Howard W.	Voc esp	3	†	Brownfield
Truckenbrod, Gilbert John	Agr	8	* †	La Moille
Trueblood, Mark Sherwin	SS	8		Martins
Trux, Rachel	LAS (SS)	89	* †	Mt. Vernon
Trummel, Russell Groves	FOM		* †	Oreana
Tsai, Fu Yuan	CE		*	Shantung, China
Tsai, Tien Kwei	Bus (SS)	3	†	Hansen, China
Tsau, Chin Ming	RCE	110	* †	Canton, China
Tseng, Tsao Wen	RCE	66	* †	Shanghai, China
Tsong, Shang Hsiung	CE (SS)	50	* †	Kiang-Su, China
Tsou, Tsong Yua	EE (SS)	57	* †	Kiang-Su, China
Tsutsumi, Hideo	SS			Tokio, Japan
Tucker, Gerald Thompson	Bus	103	* †	Decatur
Tucker, Hazel May	LC	57 1/8	* †	Champaign
Tucker, John Gordon	EE	74	* †	Centralia
Tucker, LeRoy	CE	133 3/8	* †	Topeka, Kansas
Tucker, Paul Leonard	Ath	20	* †	Ligonier, Indiana
Tucker, Pauline Lillian	LAS	52	* †	Metropolis
Tucker, Ralph	Bus		* †	Flat River, Missouri

Tucker, Ruth Emma	HELAS	97	* † Warrensburg
Tucker, Wilfred Ivanhoe	Bus		* † Galva
Tudor, Edward Orin	EE		* † Chicago
Tukey, Edwin Cubberly	Bus	68	* † Marion, Indiana
Tukey, Gertrude Dodge	LAS	65	* † Gerwyn
Tully, Thomas Henry	LAS	114	* † Elmwood
Tung, Shu Doh	ME	122½	* † Honan, China
Tunis, Elizabeth Agar	SS		* † Danville, Kentucky
Tunnell, Harold B	Law		* † Hornsby
Tupy, Leslie Twain	Ath		* † Chicago
Turnbull, Ralph William	IndA	64	* † Carlinville
Turnbull, Ruth Emily	LAS 3p		* † Hinsdale
Turner, Fred Harold	MedP (SS)	103½	* † Tuscola
Turner, Harriet Barzania	HEAgr		* † Quincy
Turner, John Paul	Arch	122½	* † Tuscola
Turner, Jonathan Baldwin	Agr	65	* † Butler
Turner, Leonard Christian	IndA	93½	* † Forest Park
Turner, Lewis McDonald	LAS		* † Heyworth
Turner, Marie	HEAgr	26	* † Urbana
Turner, Nellie Margaret	HEAgr	112½	* † Urbana
Turner, Orval Yevetta	HEAgr	34	* † Urbana
Turner, Robert Griffith	CE		* † Fort Leavenworth, Kansas
Turner, Sheldon Knight, B.S., 1921	SS	130	* † Evanston
Turner, Stephen Gilpin	Agr	94	* † Charleston
Turner, Winston Haywood	LAS	28	* † Chicago
Turton, Lester Miller	Bus	23	* † Chicago
Tuthill, Gray Butler	CerE	37	* † Chicago
Tuttle, John Donald	Arch	81½	* † Chicago
Tuttle, Phineas Harrison	Agr		* † Decatur
Tutwiler, Robert Evans, B.S., 1921	SS	143½	* † River Forest
Tuxhorn, David Bruce	EE	32½	* † Edwardsville
Twardock, James Arthur	Agr	75½	* † Rockford
Tweed, John Arthur	Accy		* † Millville, New Jersey
Twente, Lucy Beatrice	SS	8½	* † Cairo
Twentings, Harold Chauncey	Bank		* † La Grange
Twitchell, Helen Faith	LAS		* † Aurora
Twigg, Charles Edward Joseph	Agr	29	* † Paris
Twitchell, Benjamin Edward	MedP		* † Belleville
Tyler, Frank Adelaide	LAS		* † Cambridge
Uchacz, Stanley Clemens	FOM (SS)	57½	* † Chicago
Udwin, Gertrude	LAS		* † Chicago
Udwin, Thelma	Mus	31	* † Chicago
Ulbright, Jean Percy	Accy	92½	* † Benton Harbor, Michigan
Ulrey, Orin	Agr	72	* † Martinsville
Ulrich, Gertrude Elizabeth	LAS	57	* † Boswell, Indiana
Umnus, Leonard John	Ath		* † Menominee, Michigan
Umphlet, Chris	MedP	71	* † Buchanan, Michigan
Underhill, George Ellsworth	Bus	83	* † Elgin
Unger, Charles Albert	Voc vsp		* † Danville
Unger, Martin Emil	Agr		* † Chicago
Upham, Edward John	CE		* † Odell
Urbancek, Joseph John	LAS (SS)	34	* † Coffee
Uslander, Richard	Med P		* † Chicago
Usrey, Vergil Ray	Agr	27	* † Marion
Uthus, Clarence Bruce	AE	84	* † Milwaukee, Wisconsin
Utterback, Arthur Carroll	IndA	2½	* † Sattfork, Oklahoma
Utterback, Austin Lee	EE (SS)	47½	* † Springfield
Utterback, Lawrence Byron	EE		* † Sumner
Uyei, Nao, B.S., M.S., 1916, 1921	SS		* † Miye, Japan
Vachon, Emma	SS	3	* † Nauvoo
Vacin, Milo Edward	ME		* † Chicago
Vail, Charles Winfield	Law	61	* † Springfield
Valbert, Jewel N	Bus	8	* † Flora
Vale, Simeon	LAS (SS)	80	* † Bohol, Philippine Islands
Valentine, Edwin Ernest	AE	133	* † Green Bay, Wisconsin
Valentine, Florence	LAS	98	* † Mt. Vernon
Valentine, Richard Clifford	IndA		* † Rockford
Vallier, Justin DuBois	EE	106	* † Taylorville
VanAntwerp, James Floyd	SS		* † Hanover, Indiana
VanAntwerp, Lucille Blanche	LAS	32	* † Louisville, Kentucky
Van Bramer, Douglas Francis, B.S., 1921	SS	143½	* † Chicago
Vance, Lucile Selena	LAS		* † Elvins, Missouri
Vance, Paul Andrew	EE	71	* † Urbana
Vance, Ruth Elizabeth	Jnl		* † Urbana
Vandaver, Frederick Ewart	Chem	128½	* † White Hall
VanDen Bussche, Maria Margarita	LAS	67	* † Moline
Vanderbeck, Irma Margaret	LAS	31	* † Rockford
Vanderheyden, Fern Lucille	LAS	105½	* † Stockton
Vanderloot, John Adrian	AE	23	* † Oak Park
Van der Meer, Valentine	Bus (SS)	38	* † Chicago
Van Dervoort, Louise Annette	LAS		* † Moline
Vandervort, Florence C	HEAgr		* † Kankakee
Vandervort, Maurice Linwood	AE (SS)	84	* † Kankakee
Vandeventer, Fenton Ross	Agr	120	* † Mt. Sterling
Van Deventer, Ruth Marlow	Agr	110¾	* † Springfield
Van Dolah, Delos	ForC	30	* † Champaign

Van Doorn, James Arthur	<i>CerE</i>		* † Quincy
Van Doren, Walter Earl	<i>Bank</i>	53	* † Champaign
Van Dyke, James Clinton	<i>Bus sp</i>		* † Greenup
Van Dyke, Seth Howard	<i>SS</i>	9	* † Mason
Van Goens, Edwin	<i>EE</i>	72	* † Chicago
Van Graan, Hoop Steyn	<i>RA</i>	59	* † Brandfort, South Africa
Van Houten, Merle Burt	<i>Vos vsp</i>		* † Washington
Van Houten, Ralph Wendall	<i>AE</i>		* † Canton
Van Meter, La Rue	<i>SS</i>	6 $\frac{2}{3}$	* † Williamsville
Van Natta, Henry Wilson	<i>Bus (SS)</i>	24 $\frac{1}{2}$	* † La Fayette, Indiana
Vannier, Paul Harvey	<i>Bus</i>	9	* † Bluffs
Van Tress, Robert Templeton	<i>LG</i>		* † Ladd
Van Vleet, Maurice	<i>C&L</i>		* † Urbana
Van Vuren, Floyd Stanley	<i>AE</i>	24	* † Seymour, Wisconsin
Varner, Guy Francis	<i>SS</i>	8	* † Bushnell
Varney, Dorothy Whitaker	<i>LAS</i>	98	* † Kansas City, Missouri
Vater, Donald Frank	<i>ChE</i>	23	* † Chicago
Vaughn, Harold	<i>AE</i>	35 $\frac{1}{2}$	* † Omaha, Nebraska
Vaughn, Henry Palmer	<i>SS</i>	77 $\frac{5}{6}$	* † Worcester, Massachusetts
Vaughn, Jesse Werdell	<i>SS</i>	30	* † Champaign
Vaughn, John Russell	<i>LAS</i>		* † Villa Grove
Vaughn, Postelle Anderson	<i>LAS</i>		* † Hopkinsville, Kentucky
Vaupel, Carl Herman	<i>ME</i>	49	* † Pekin
Vauters, Ruth Lois	<i>HEAgr</i>	24	* † Peoria
Vawter, Monroe Fowler	<i>Bus (SS)</i>	99 $\frac{3}{4}$	* † Hillsboro
Vayo, Theodore William	<i>EE</i>		* † Chicago
Veihl, Ernest Edmund	<i>ME</i>	35	* † Granite City
Velasco, Teofilo Reyes	<i>EE</i>		* † Litchfield
Vendig, Irving L.	<i>CerE</i>		* † Chicago
Vent, Vivienne Victoria	<i>LAS</i>		* † Decatur
Ventenilla, Juan	<i>C&L (SS)</i>	3	* † Mongataram, Philippine Islands
Vercoc, Constance Muriel Beverley	<i>LAS</i>	87 $\frac{1}{2}$	* † Highland Park
Vernon, George Heywood	<i>MedP</i>		* † Beardstown
Veronda, William Jennings	<i>EE</i>	52 $\frac{3}{4}$	* † Carbon Hill
Vessell, Alice Webb	<i>LAS</i>		* † Du Quoin
Vessoff, Peter John	<i>Bus</i>		* † Sofia, Bulgaria
Vial, Edmund Ellsworth	<i>Agr</i>	115 $\frac{1}{4}$	* † La Grange
Viall, Doris Marian	<i>LG</i>		* † Manteno
Viall, Rhoda Emily	<i>HELAS (SS)</i>	108	* † Manteno
Victor, Sturges LaVerne	<i>Agr</i>	70	* † Onarga
Villanuers, Pedro D	<i>SS</i>	5 $\frac{3}{4}$	* † Manila, Philippine Islands
Villegas, Florencio Mercado	<i>Agr sp</i>	2	* † Tarlos, Philippine Islands
Vinc, Benjamin Clark	<i>Bus</i>	30	* † Alton
Violette, Robert Bluford	<i>LAS</i>	67	* † Ft. Worth, Texas
Visconti, Teresa Josephine	<i>LAS</i>		* † Carterville
Visino, May	<i>LAS</i>	93	* † Murphysboro
Voelkel, Mildred Ruth	<i>SS</i>		* † Evansville, Indiana
Voelpel, William Frederick	<i>IndA</i>	70 $\frac{3}{4}$	* † Peoria
Vogeding, Dwight Karl	<i>Bus</i>	61	* † Chicago
Vogel, Otto Henry	<i>Ath</i>	54	* † Davenport, Iowa
Vogel, Ralph Emerson	<i>ME</i>	72	* † Princeville
Vogele, Leon Otis	<i>CCS</i>	120 $\frac{3}{4}$	* † Urbana
Vogele, Mrs. Ella	<i>LAS sp</i>		* † Urbana
Vogt, Milton Albert	<i>IndA</i>	36 $\frac{1}{2}$	* † Columbia
Voight, William Albert	<i>IndA</i>	4	* † Chicago
Volkman, Max Bernhard	<i>Bus</i>		* † Chicago
Vollintine, Eddy Witmer	<i>AE</i>		* † Taylorville
Voltz, Leslie Sherman Lewis	<i>MinE</i>		* † Springfield
Volz, Rosalie Charlotte	<i>LAS</i>		* † Chicago
Von Almen, Pauline Vivian	<i>SS</i>	4	* † Olney
Voorhees, Mrs. Ruby Esther	<i>LAS (SS)</i>	83	* † Hamilton
Voorhies, William Hort	<i>EE</i>		* † Decatur
Voris, Max Raymond	<i>Bus</i>	35	* † Stewardson
Vorres, Spyros K.	<i>SS</i>	10 $\frac{1}{4}$	* † Chicago
Vorse, Barbara	<i>LG</i>	33	* † Salt Lake City, Utah
Vose, Juliana	<i>LAS</i>		* † Macomb
Voss, Adolph George	<i>Bus</i>		* † Chicago
Votaw, Hazel Dolores	<i>LAS</i>	68	* † Urbana
Votaw, Stewart Ernest	<i>Bus</i>		* † Urbana
Vreeland, Helen Olive	<i>HELAS (SS)</i>	49	* † Champaign
Vreeland, Henry Kipp	<i>Law</i>	17	* † Champaign
Vrooman, Agnes Wickfield	<i>LAS (SS)</i>	117 $\frac{1}{4}$	* † Kokomo, Indiana
Wacaser, George Linn	<i>LAS</i>		* † Lovington
Wacaser, Lloyd Russell	<i>Bus</i>	13	* † Lovington
Waddell, Reginald Carter	<i>Bus</i>	5	* † Chicago
Waddington, Mattie Elizabeth	<i>SS</i>	5	* † Champaign
Wade, Doris	<i>SS</i>	5	* † Danville
Wagenknecht, Theodore William	<i>Bus</i>	72 $\frac{1}{2}$	* † Oak Park
Wagenknight, Algernon Roberts, Jr.	<i>Agr</i>	74 $\frac{3}{4}$	* † LaGrange
Wagenman, Ira Melvin	<i>SS</i>	7 $\frac{3}{4}$	* † Bisbee, North Dakota
Wagenseller, John Richard	<i>Agr</i>	131	* † Fairburg
Waggoner, Charles Van	<i>MedP</i>		* † De Witt, Iowa
Waggoner, Donald Marsten	<i>ChE</i>	60	* † De Witt, Iowa
Waggoner, Kenneth Cony	<i>LAS</i>		* † Lebanon
Waggoner, Marion Eugenia	<i>LAS (SS)</i>	119 $\frac{1}{2}$	* † Labanon

Waggoner, Morris Edward, B.S., 1921	SS	182½	* † Lebanon
Wagner, Carlos John	Ed (SS)	12½	* † Burlington, Wisconsin
Wagner, Clifford Monroe	Agr	50	* † Kankakee
Wagner, Earl William	Bus	75	* † Champaign
Wagner, Edward Michael	Accy (SS)	107	* † La Salle
Wagner, Melchior August	IndA	31½	* † St. Louis, Missouri
Wagner, Richard Bernard	Ath		* † Glen Ellyn
Wagner, Roberta Jennie, A.B., 1918	SS	136¾	* † Chicago
Wagner, William Earl	LAS		† Chicago
Wahl, George John, Jr.	SS	134¾	* † Chicago
Wahlbrink, Armin August	Ath (SS)	56½	* † St. Charles, Missouri
Wahlstrom, Robert Daggett	EE		* † Chicago
Wai, Hai Shoa	MinE		* † Ning Po, China
Wainscott, Austa Birgle	SS	2½	* † Kimwudy
Wakefield, Otho Bruce	IndA	5	* † LaGrange
Walbert, George Henry	Accy (SS)	83	* † Chicago
Waldie Benjamin Dickison	Agr (SS)	102	* † Chicago
Waldman, Leonard Francis	EE		* † DeBois
Wales, Raymond Orla	Bus	8	* † Downers Grove
Walker, Charles Bramwell	EE		* † Chicago
Walker, Clinton Elza	EE		* † Anna
Walker, Evlyn Elizabeth	LAS		* † LaGrange
Walker, George Albert	Ath		* † Huntington, Indiana
Walker, Greydon Lyle	LawP	34	* † Mattoon
Walker, Harold William	Bus	101	* † LaGrange
Walker, Hazel Irene	LAS	29	* † Champaign
Walker, Hazel Lois	LAS	99	* † Gays
Walker, Hubert Bernard	LAS		* † Champaign
Walker, John Rufus	IndA	34	* † Moline
Walker, Joseph Christy	Bus	111	* † Moline
Walker, Laura	HELAS	98½	* † Clinton
Walker, Lee Earl	Agr	72½	* † Anna
Walker, Lucile Valinda	HEAgr	58	* † Urbana
Walker, Marietta R	LAS		† St. Louis, Missouri
Walker, Samuel Thomas	SS	14½	* † Watson
Walker, Sarah Frances	HELAS	99	* † Clinton
Walker, Ward Smith	Agr	85	* † Gays
Walker, William Albert	SS	8½	* † Windsor
Wall, Clifford Nathan	LAS	65	* † Dayton, Ohio
Wall, James Robert	ChE		* † East St. Louis
Wallace, Claradehl	HELAS	70½	* † Urbana
Wallace, George Ira	Agr	73	* † Beardstown
Wallace, Gerald Leroy	Accy	33	* † Elgin
Wallace, Henry Smith	IndA	91½	* † Chicago
Wallace, James Proctor	EE		* † Urbana
Wallace, Leon Harry	LawP		* † Terre Haute, Indiana
Wallace, Malcolm Penrod	LAS	21	* † Ewing
Wallace, Marion Margaret	HELAS		* † Chicago
Wallace, Samuel Haywood	LG (SS)	129	* † Wheaton
Wallace, Wendell Wayne	CE	72	* † Mooseheart
Wallace, William Whiteside	CE		† Chicago
Wallbaum, William Lee	Agr	3½	* † Ashland
Waller, Charles Arthur	SS	18	* † West Frankfort
Wallin, Marino Raymond	EE (SS)	90	* † Concord, Nebraska
Wallis, Mrs. Grace Hite	SS	101½	* † Urbana
Walquist, Lawrence Wilfred	Bus	100	* † Rockford
Walsh, Robert Edward	LawP	11	* † St. Paul, Minnesota
Walsh, Robert Pollard	Arch	42½	* † St. Louis, Missouri
Walter, Charles Keegan	Bus (SS)	40	* † Champaign
Walter, Fred, B.S., 1919	SS	143½	* † Perry, Missouri
Walter, Mary Harte	Mus		† Perry, Missouri
Walter, William Reynolds	IndEd	35	* † Danville
Walters, Clyde Lawrence	SS	7	* † Whiteland, Indiana
Walters, James Garland	Accy	73	* † Oblong
Walters, Lucy	Flor sp		* † Clovis, New Mexico
Walters, Onno Vernon	Ed (SS)	80½	* † Macomb
Walton, Beulah Lucille	HEAgr	22½	* † Bowen
Walton, Harry Edwin	Ath		* † Rock Falls
Wang, Chien Z	REE (SS)	19	* † Shanghai, China
Wang, Hsuan	LAS sp		* † Gi-Chien, China
Wang, Shu Chun	LAS	16	* † Peking, China
Wangelin, Hugo Philip	Bus	32	* † Belleville
Wann, Gladys	LAS		* † Elwood, Indiana
Wanner, George Washington	SS	8½	* † Marion, Ohio
Wanner, William Kleitz	IndA	4	* † Chicago
Wanzer, Elsie Louise	LAS	62	* † Chicago
Ward, Alora Thelma	LAS	97½	* † Greenup
Ward, Charles Edward	Bus	20	* † Geneseo
Ward, Dan Putnam	Agr	116	* † Marshalltown, Iowa
Ward, Edna Louise	LAS	28	* † Champaign
Ward, Leslie Orlando	Accy (SS)	60	* † Champaign
Ward, Margaret Grace	LAS (SS)	94½	* † Marshalltown, Iowa
Warder, Florence Louise	LAS	21	* † Oak Park
Wareham, Gladys Anna	Chem		* † Kearney, Nebraska
Warfel, Lella May	Chem	105	* † New Philadelphia
Wargin, Lewis Joseph	ME	89½	* † La Salle

Warnagis, Jess Peter	EE		*	Westville
Warner, Charles Herman	Agr (SS)	06	* †	Wheaton
Warner, Dorothy Maye	LAS		* †	Henton
Warner, George Edward	Bus	30	* †	Forest Park
Warner, Robert Elmer	Bus	28	* †	Chicago
Warnock, Laura Ream	Ed sp (SS)	17	* †	Remington, Indiana
Warren, Eleanor	LAS		* †	Chicago
Warren, Harry Theodore	Chem	125	* †	Centralia
Warren, Hill	Ed (SS)	116½	* †	Blufford
Warren, Lyman Garratt	EE	37	* †	Chicago
Warren, Marian Elida	Las		* †	Chicago
Warren, Orville	LawP	41	* †	Urbana
Waren, Ruth	LAS	112	* †	St. Louis, Missouri
Warren, Winfred Field	Bus	90	*	Paw Paw
Warsaw, Jessie	Bus	32	*	Chicago
Warwick, Ruth Anne	LAS		*	Champaign
Wascher, Edna Cornelia	HELAS		*	Champaign
Wascher, Ralph Bicknell	Bus sp	48½	*	Paxton
Wassall, Warren William	CE		*	St. Louis, Missouri
Wasson, Proctor Lane	EE		*	Champaign
Waterman, Arthur Ernest	AE		* †	South Holland
Waters, Mary Frances	LAS		* †	Plainsville
Waters, George Gerald, B.S., 1921	SS	105½	*	Champaign
Waters, Henrietta	SS	18	*	Charleston
Watkins, Beulah	SS	11	*	Danville
Watkins, Geraldine Joy	SS	73½	*	Warrensburg
Watkins, Mitchell Sylvester	Bus	51½	* †	Cairo
Watson, Alva Clinton	Bus	27	* †	Mattoon
Watson, Evelyn	LAS	47	*	Clinton
Watson, Frances Lee	LAS (SS)	62	*	Celina, Ohio
Watson, George Ferris	Chem	96	* †	Danville
Watson, Harry Francis	Chem	95	* †	Granite City
Watson, Lu Etta Maud	HELAS	15	* †	Champaign
Watson, Mary Helen	Mus	33	* †	Urbana
Watson, Raymond Arnold	CE	33	* †	Fithian
Watson, Rupert Warren	AE	31	* †	Cairo
Watson, Thomas Bryars	Agr (SS)	102	* †	Illinois City
Watt, Richard Rockwell	IndA		* †	LaGrange
Wattlesworth, Charles	CE (SS)	103	* †	Champaign
Wayer, Joseph Malthur	LAS	36	* †	Corben, Indiana
Wayo, Stephen John, Jr.	Chem	35	* †	Whiting, Indiana
Wear, Ernest George	EE	128½	*	Macomb
Weart, James Garrison, A.B., 1921	SS	155	*	Oconomowoc, Wisconsin
Weary, Milton Brewer	REE	4½	†	Oak Park
Weasel, Nellie Wilma	SS	59½	*	Peotum
Weatherwax, Clifford L.	SS	7½	*	Marshall, Michigan
Weaver, Arthur Franklin	FOM	30	* †	Metropolis
Weaver, Brayton Ludd	LG sp	8	* †	Harvard
Weaver, Sheldon Arlvord	LawP		* †	Champaign
Webb, Chester Jesse	LAS	06½	* †	Galesburg
Webb, Frank Daniel	Agr		* †	Judith Gap, Montana
Webb, Haldeman Adair	Bus (SS)	78½	* †	Chicago
Webb, Jennie	LAS		* †	Sesser
Webb, Judson Willard	LAS	74½	* †	Chicago
Webb, Kathryn Parker	LAS		* †	Toledo
Webb, Ralph Duvivier	ME	42½	* †	Alton
Webb, Richard Lockwood	EE	32	* †	Farmer City
Webb, William Floyd	Accy		* †	Champaign
Webber, Bernice Elizabeth	Mus		* †	Urbana
Webber, Frances Marian	LAS		* †	Urbana
Webber, Joseph Thompson	ME sp		†	Urbana
Webber, Lewis Waller	Ath	2½	* †	Rantoul
Webber, Ruth Marjorie	ED	100½	* †	Urbana
Weber, Aaron	Agr		* †	Chicago
Weber, Clarence Jacob	Chem (SS)	71½	* †	Evansville, Indiana
Weber, Elizabeth	Chem	64	* †	Edwardsville
Weber, Elmer William	Ath	61	* †	Evansville
Weber, Frank Dewey	Bus	101½	* †	Chicago
Weber, Frederick Gottlieb, B.S., 1921	SS	130½	*	Tower Hill
Weber, Leroy John	ChE		* †	Chicago
Weber, Ora Keith	Agr	27½	* †	Nokomis
Weber, Oscar Friedolin	Ed (SS)	92	* †	Champaign
Weber, Raymond James	IndA	63	* †	Chicago
Weber, Robert Louis	IndA	22	* †	McHenry
Webster, Florence Adelia	LAS	64½	* †	DesPlaines
Webster, Frank Mont	Bus		* †	Sheldon
Weck, Meredith	LAS		* †	Chicago
Wedge, Wilbur Dewey	SS	141	*	Kewanee
Weeding, Lillian Rachael	SS		*	Hibbing, Minnesota
Weedman, Frances	HEAGR	38	* †	Farmer City
Weedon, Amy Gertrude	LAS	42	* †	Wilmette
Wegforth, John Frederick, Jr.	Agr	49	* †	Wilmette
Wegrzyn, Louis Stanley	MedP		* †	Elizabeth, New Jersey
Wehner, Keith Emanuel	Agr	35	* †	Washington
Wehrman, Erwin George	Flor		* †	Maywood
Weick, Fred Ernest	ME (SS)	116	* †	Berwyn

Weick Herbert George	IndA	31	* † Berwyn
Weidemeyer, William Morrow	AE	70½	* Little Rock, Arkansas
Weidner, Garland Lehr	MedP	71½	* Louisville, Kentucky
Weigel, Amy Marie	SS	7	* Greenville
Weihl, Elmer Christian	LAWP		* † Waterloo
Weikal, Elmer Kettner	Ath		* † Middletown, Ohio
Weil, Marion	SS		* † Evansville, Indiana
Weil, May	LAS		* Chicago
Weingarten, Lawrence Bernard	Bus	75½	* † Champaign
Weinper, Benjamin	ChE	107	* † Chicago
Weinstein, Edward Rubin	LAS		* † Chicago
Weir, Edgar Wilkin	MedP	28	* † Marshall
Weir, Esther	HEAgr	68	* † Marshall
Weir, Ora Ethel	HELAS		* † Marshall
Weir, Alice Lucille	LAS	13	* † St. Louis, Missouri
Weis, LeRoy Richard	Bus		* † Chicago
Weishert, Charles	LAS	100½	* † Jersey City, New Jersey
Weisger, George Bates, LL.B., 1911	SS	102	* Oakwood
Weiss, John Nelson, B.S., 1921	SS	140	* Geneseo
Weissman, Joseph	Bus	102	* † Chicago
Weissman, Louis Ben	MedP	24	* † Chicago
Weissman, Maurice	Bus	107½	* † Chicago
Weite, Joseph John	Agr	17	* † Chicago
Weich, Charles William	AE	60	* † Mattoon
Weich, Everett Veigh	Arch	64½	* † Parsons, Kansas
Weich, Helen Frances	LAS	31	* † Waukegan
Weich, Jean Lillian	HEAgr	66	* † Rock Island
Weiden, Margaret	LAS (SS)	78	* † Centralia
Weldon, Clarence William	Agr	70½	* † Rockford
Welge, William Henry	ForC	23	* † Chester
Weller, Chester Marean	Agr	39½	* † Chicago
Weller, Paul Leo	Bus		* † Mt. Pulaski
Wellman, Orpha May, A.B., 1911	SS		* † Champaign
Wells, Bessie Merle	LAS	68½	* † Pine Bluff, Arkansas
Wells, Edwin Silas, Jr.	ME	72	* † River Forest
Wells, Estell Marion	Law		* † Girard
Wells, Kenneth Augustus	CE		* † Bloomington
Wells, Mary Ruby	SS		* † Mt. Vernon
Welsh, Clarence Laehr	IndA	76	* † St. Louis, Missouri
Welsh, Glen Eugene	Bank (SS)	69½	* † Palestine
Welsh, Mrs. Hazel Irene	Agr sp		* † Washburn
Welsh, Olin Lloyd	Agr	111	* † Macomb
Welsh, William James	Law		* † Chicago
Welshimer, Philip Voris	Bus		* † Neoga
Welter, Floyd Lee	Bus	33	* † Elkhart, Indiana
Welton, Everett Leo	SS	24½	* † Plainville
Welton, Ralph Eugene	EE	88	* † Urbana
Wenat, Willard John	Bus		* † Evansville, Indiana
Wendel, Earl Frederick	MedP		* † Ottawa
Wendel, Earl Jennings	CS (SS)	93	* † Chicago
Wendelken, Dorothy	Ed		* † Urbana
Wendt, Willard John	Bus		* † Evansville, Indiana
Werner, Fred	EE	66	* † Murphysboro
Werner, Harry William	ME	140½	* † Chicago
Werner, Helen Margaret	SS	8	* † Farmington
Werno, Fred Charles	IndA		* † Chicago
Werre, Lingard Eugene	Bus	97½	* † Kahoka, Missouri
Wershing, Ralph J	SS	½	* † Marion, Indiana
Werts, Bruce Wallace	Agr	98½	* † Urbana
Werts, Mary Margaret	HEAGR		* † Urbana
Wertsch, Alvin Carter	SS	8½	* † Lititz, Pennsylvania
Wesemann, Adolph Henry, Jr.	Bus	26	* † La Grange
Wesley, Edward Charles	Agr	2	* † Chicago
Wessels, Ann Marie	HELAS	55	* † Meekin
Wessman, Walter Joel	Accy	104½	* † Rockford
Wesson, Katharine	LAS	96	* † La Crosse, Wisconsin
West, Ballard E	Bus sp		* † Sadorus
West, Benjamin	SS	9	* † Champaign
West, Dorothy Irene	Mus		* † Champaign
West, Evelyn	LAS	31	* † Geneseo
West, Harold Dadford	MedP		* † Washington, D.C.
West, Lonsdale Nelson	Bus	2	* † Chicago
West, Stewart Benedict	Agr	93½	* † Geneseo
Westall, John Casey	Bus	15	* † Sumner
Westbrook, Daisy	SS	2	* † St. Louis, Missouri
Western, Fred Burnham	MedP (SS)	66	* † Charleston
Westervelt, Neville	Mus	40	* † St. Louis, Missouri
Westlund, Arthur Peter	IndA	109	* † Chicago
Westlund, Ernst Hugo	SS		* † Chicago
Westman, Julia Harriet	LAS	101	* † Chicago
Weston, John William, A.B., 1921	SS	138	* † Peoria
Weston, Max Anscomb	LawP		* † Kewanee
Weston, Ralph Holland	CerE		* † Herrin
Wettergren, Wesley Kern	Law	35	* † Rockford
Wetterlund, Raymond John	IndA	40½	* † Chicago
Wetzel, Randall Christy	Bank	63	* † Chicago

Wetzel, William Fay	IndA	27	* †	Taylorville
Wexler, Arthur James	Bus		* †	Chicago
Weyer, Esther Latimer	LAS	100	* †	Krookuk, Iowa
Weyler, Andrew Jackson	Ath		* †	Fairmount, Indiana
Whaling, Leslie Edgar	IndA	25	* †	Rockford
Whang, Jen King	ChE (SS)	49	* †	Soochow, China
Whang, Pao K'wai	Bank (SS)	38	* †	Soochow, China
Wharton, Russell Finley	EE	108 ² / ₃	* †	Moline
Wheatley Bernice Kathryn	SS	50 ¹ / ₃		Champaign
Wheatley, Charles Washington	ChE	67	* †	Milwaukee, Wisconsin
Wheeler, Clarence Daniel	EE		* †	Atchinson, Kansas
Wheeler, John R, Jr.	Bus	27 ¹ / ₃	* †	Tulsa, Oklahoma
Wheeler, Richard Lee	LAS	32	* †	Tulsa, Oklahoma
Whelan, Dow Orland	EE	92	* †	Springfield
Whiffin, Lawrence Charles	Bus		* †	Milwaukee, Wisconsin
Whipple, Leonard Austin	CE (SS)	107 ¹ / ₆	* †	Chicago
Whistler, Ruby Blanche	Ed sp		* †	Morrison
Whiston, Russell McKay	Eng		* †	Chicago
Whitaker, Claude Brown	Accy	98 ¹ / ₆	* †	Peoria
Whitaker, Dorothy	Bus	31	* †	Urbana
Whitaker, Louise	LAS	88 ¹ / ₃	* †	Urbana
Whitcomb, Lewis Kossuth	CE	97	* †	Chicago
Whitcomb, Albert Bertrand	Bus (SS)	90	* †	Dixon
White, Asher Abbott	SS	9		Minneapolis, Minnesota
White, Catherine Nell	LAS	75	* †	Urbana
White, Charles Milton	Bus	32	* †	Chicago
White, Clarea Lynette	SS	8		Minooka
White, Eileen	LAS (SS)	31	* †	Washburn
White, Herbert Bigham	Agr	106 ² / ₃	* †	Peoria
White, Herbert LeRoy	Chem	50	* †	Little Rock, Arkansas
White, Irma Dell	SS	13		Peoria
White, James Haulden	Agr	61	* †	Gibson City
White, Jeanne Winslow	Bus	98	* †	St. Joseph, Missouri
White, Margaret Elizabeth	HELAS		* †	Champaign
White, Oliver Herman	Bank		* †	Torrington
White, Robert Fulton	LAW (SS)		* †	Murphysboro
White, Robert Hamilton	LAS		* †	Wilmington
White, Virginia	LAS	30	* †	Wilmette, Michigan
White, Walter Howard	EE	80 ² / ₃	* †	Joliet
White, William Lloyd	Int	115 ¹ / ₂	* †	Fowler, Indiana
Whitehouse, William Nelson	MedP		* †	Cherobee, Iowa
Whitely, Fred Barney	Bus (SS)	29	* †	Lombard
Whitlock, John Sanford	AE	26	* †	Shoshone, Idaho
Whitesel, Harry Alfred	EE	71	* †	Charleston
Whitesel, Ned Vernon	SS	5 ¹ / ₂		Bloomington
Whiteside, Mary, A.B., A.M., 1919, 1920	SS			Urbana
Whiteford, William K, Jr.	C&L		* †	Decatur
Whiteford, Neva May	LAS	120 ¹ / ₂	* †	Clayton
Whiting, Charles Edward	Accy (SS)	73	* †	Rockford
Whitlock, Chester Goodner	MedP		* †	Humrick
Whitmore, Sherman	Bus		* †	Bloomington
Whitmore, Philip Harvey	EE		* †	Glencoe
Whitnah, Verne Davison	LAWP	80	* †	Canton
Whitney, Dorothy	LAS	44 ² / ₃	* †	Chicago
Whitney, Everett Alexander	Bus		* †	Oak Park
Whitney, John Marshall	LAS		* †	Indianapolis, Indiana
Whitney, William Percy	CE		* †	Springfield
Whitsitt, Leroy	EE		* †	Decatur
Whittaker, Joseph Christy, Jr.	EE		* †	Bridgeport
Whitten, George Arion	Arch	136 ³ / ₄	* †	Coldwater, Michigan
Whittenburg, Harry William	Agr sp	38	* †	Kinmundy
Whittenberg, John Eugene	ChE		* †	Murphysboro
Whittier, Heman James, Jr.	Bus	96	* †	Kansas City, Missouri
Whittington, Ralph Samuel	EE	100 ² / ₃	* †	Benton
Whittle, John Gillette	Agr	73	* †	Denton
Wickersham, Madelaine Lloyd	LAS	67	* †	Evanston
Wickert, Ira C	SS	4		Astoria
Wickert, Jacob Nelson	ChE		* †	Astoria
Wickhorst, George Nicholas	ME	35	* †	Aurora
Wickhorst, William Krieg	CE	47 ¹ / ₃	* †	Aurora
Wickham, Theodore	IndA		* †	Chicago
Wickwire, George	SS	3 ³ / ₈		Angola, Indiana
Widener, John Charles	MinE		†	Urbana
Widmer, Ryer F	Agr	27	* †	Urbana
Wiegman, Carl Julius	Int		* †	Dayton, Indiana
Wiemers, William Bernard	Bus	80	* †	East St. Louis
Wieneke, George Raymond	SS	5 ¹ / ₆		Douglas, Arizona
Wiernan, Warren Pressle	Ath	15	* †	Geneseo
Wiggins, Mildred Frances	Mus		* †	San Angelo, Texas
Wiggle, Jess Evan	EE	21	* †	Toulon
Wightman, Elwyn Fenlon	Bus	27	* †	Grays Lake
Wightman, Joseph Sidney	Accy	75	* †	St. Louis, Missouri
Wilcox, Arthur Burt	LAS		* †	Decatur
Wilcox, Catherine Louise	HELAS		* †	Champaign
Wilcox, Harold C	Chem	74	†	Sterling
Wilcox, Henry Mills	Bus (SS)	87	* †	Chicago

Wilcox, Lucille Elizabeth	LAS	64	* † Champaign
Wilcox, Violet Ann	SS		† Maine
Wildeman, Harry Heynis	Bus	95	* † Chicago
Wiles, Dorothy Lindley	LAS	60	* † Chicago
Wiles, Thelma	Bus		* † Champaign
Wiley, Carl Higgins	CE	8	* † Anna
Wiley, Frank Clarence	Bus	71	* † Earlville
Wiley, Harold Cheney	Agri		* † Warren
Wiley, Max Raber	LAS		* † Joplin, Missouri
Wilford, Robert Nicholas, B.S., 1917	SS	143½	* † Aurora
Wilhelm, Dorothy Brunette	LAS		* † Indianapolis, Indiana
Wilhelm, Grace	SS	6½	* † Carbondale
Wilhelm, Harry Hiram	Ath	67	* † Dayton, Ohio
Wilkening, Arthur Paul	IndA		* † Crete
Wilkey, Lucille Vivien, A.B., 1919	SS	135½	† Urbana
Wilkey, Mrs. E S	SS	2	† Urbana
Wilkins, Margaret Rosalind	HELAS	61	* † Springfield
Wilkins, Thomas Dale	SS	3½	* † Arkadelphia, Arkansas
Wilkinson, Bert Keith	Accy (SS)	71½	* † Elburn
Wilkinson, Edwin Arthur	Bus	38½	* † Chicago
Wilkinson, Julia Faith	LAS sp	3	* † Urbana
Wilkinson, Porter Augustus	Bus	50½	* † Bethany
Wilkinson, Russell Gray	Bus		* † St. Louis, Missouri
Will, Otto Henry	CE sp (SS)	14	* † Chicago
Willard, Aleff Zara	LAS	65	* † Decatur
Willeford, Ruth Marylane	HELAS	102	* † Greenville
Willett, Donald Biggar	CE	122½	* † Oak Park
Williams, Anna Beatrice	LAS	04½	* † Springfield
Williams, Bessye Northlyn	Jnl	32	* † Chautauqua
Williams, Burton John	Bus		* † Davenport, Iowa
Williams, Dwight Lewis	SS	7½	* † Champaign
Williams, Emily	HELAS (SS)	67½	* † Champaign
Williams, Florence J	LAS (SS)	77	* † Champaign
Williams, Fred Raymond	CE		* † Chicago
Williams, George Roger	EE	26	* † Mishawaka, Indiana
Williams, Glenn Dewey	CerE		* † Olin, Iowa
Williams, Hannah Esther	Ed	66½	* † Mattoon
Williams, Harold Gordon	Agri	54½	* † Rockford
Williams, Harold Love	Bus	18	* † Urbana
Williams, Harry John	Accy	28	* † Herrin
Williams, Helen Marguerite	Bus	67	* † Mattoon
Williams, Henry Walter	LAS (SS)	75½	* † Urbana
Williams, James Hackney	Agri		* † Chicago
Williams, King	Jnl		* † Chicago Heights
Williams, Leroy Alexis Herbert	MedP		* † Ellicott City, Maryland
Williams, Lewis Virgil	LAS	31	* † St. Louis, Missouri
Williams, Lois Albertine	SHHEEd	65	* † Fisher
Williams, Marguerite	HELAS		* † Danville
Williams, Maude	HELAS (SS)	16	* † Urbana
Williams, Myra Beal	LAS	60	* † Rantoul
Williams, Noel John	SS		† Arnold's Park, Iowa
Williams, Oliver Frank	Ath		* † St. Louis, Missouri
Williams, Oliver Lockwood	IndA	90½	* † Lima, Ohio
Williams, Paul	Voc esp		* † Paris
Williams, Paul Ransom	Jnl	101½	* † Aurora
Williams, Ruby	Accy (SS)	63	* † Sheeley
Williams, Wilburn Jewell	LAS	14½	* † St. Louis, Missouri
Williamson, Bernice Emil	LAS	90	* † Alton
Williamson, Edmund Griffith	LAS		* † Rossville
Williamson, Frank Martin	CE (SS)	65	* † Albion, Michigan
Williamson, Joseph Lindley	Bus	62	* † Jacksonville
Williamson, Marian	LAS	94½	* † Champaign
Williamson, Raymond Ellsworth	Bus		* † Griggsville
Williamson, Wayne Shepherd	SS	60	† Hillsboro
Willis, Georgia Charlene	LAS	57½	* † Carlisle, Indiana
Willis, Russell Vernon	Bus sp		* † Sesser
Willis, Samuel L	SS		† Joppa
Willis, William Arthur	ChE	105½	* † Rock Island
Wilson, Clarence Orlando	Bank	4	* † Elk City, Oklahoma
Wills, E Vernon	C&L		* † St. Louis, Missouri
Wills, John Elliot	Agri	35	* † Watsika
Wills, Leslie Ellsworth	LAS	36	* † Watsika
Willy, John Knight	IndA	110½	* † Chicago
Willy, Louise Asenath	SS	4	* † Chicago
Wilmore, Earle Charles	Bus		* † LaGrange
Wilmore, Stanley Carlton	Bus		* † LaGrange
Wilner, Edmond Charles	Bus (SS)	121	* † Chicago
Wilson, Abran Smith	CE	124½	* † Blairstown, New Jersey
Wilson, Amy Rose	SS	4	† Urbana
Wilson, David Dill	Agri	67	* † Winfield, Kansas
Wilson, Edna Clara	Jnl		* † Woodstock
Wilson, Finis Arthur	SS	25½	† Urbana
Wilson, Mrs. Frances Douglas	LAS	50	* † Urbana
Wilson, Francis Le Crone	SS	25	† Centralia
Wilson, George Wier	LG	63	* † Lake Forrest
Wilson, Gertrude Emily	LAS		* † Dalton City

Wilson, Harold Clifford	<i>Agr</i>	20	* †	Homewood
Wilson, Harold Edwin	<i>ChE</i>	67	* †	Geneseo
Wilson, Howard Thornton	<i>Agr (SS)</i>	112	* †	Granville
Wilson, Imogen Fillmore	<i>Jnl</i>	62	* †	Chicago
Wilson, John Hays	<i>LG</i>	63	* †	New Castle, Pennsylvania
Wilson, John Henry	<i>ME</i>	34	* †	Olney
Wilson, John Marcy	<i>Bus</i>	30	* †	Fairfield, Iowa
Wilson, Keith Reber	<i>EE</i>	13	* †	Champaign
Wilson, Kenneth Day	<i>Bus</i>	32	* †	Clinton
Wilson, Lena Rae	<i>Jnl sp</i>		* †	Kingston
Wilson, Lewis Bender	<i>Bank</i>	120 $\frac{2}{3}$	* †	Rock Island
Wilson, Martha Almellia	<i>LAS</i>	53 $\frac{1}{3}$	* †	Indianapolis, Indiana
Wilson, Maude Frances	<i>LAS</i>	28	* †	St. Louis, Missouri
Wilson, Ona Vern	<i>LAS</i>	66	* †	Dalton City
Wilson, Oscar August	<i>Arch</i>	18 $\frac{2}{3}$	* †	Geneva
Wilson, Paul Rutledge	<i>IndA</i>	27	* †	Hinsdale
Wilson, Paul Shannon	<i>Chem</i>	17	* †	Watertown, New York
Wilson, Perry Robert	<i>ChE (SS)</i>	90 $\frac{1}{3}$	* †	Manhattan
Wilson, Ralph Delbert	<i>EE</i>		* †	Homer
Wilson, Raymond Milton	<i>EE</i>	72	* †	Newton
Wilson, Stanley Raymond	<i>ME</i>	95 $\frac{1}{3}$	* †	Chicago
Wilson, Thomas, Harry	<i>Agr</i>	31	* †	Woodstock
Wilson, Wallace William	<i>LAS (SS)</i>	59 $\frac{1}{2}$	* †	Oak Park
Wilson, Walter Chamberlin	<i>Law</i>	5	* †	Aurora
Wilson, Wanden Forsyth	<i>ChE</i>		* †	Chicago
Wilson, Wesley David	<i>CE</i>	121 $\frac{1}{3}$	* †	Gillespie
Winans, Ruth	<i>LAS</i>	53	* †	Olney
Winchester, Bessie Frances, A.B., 1920	<i>MedP</i>	131	* †	Urbana
Windle, John Taylor	<i>LAS</i>		* †	Waveland, Indiana
Windsor, Margaret	<i>LAS (SS)</i>	37 $\frac{1}{2}$	* †	Urbana
Windsor, Paul Gerhardt	<i>MSE</i>	162	* †	Dallas, Texas
Wine, David Wilford	<i>LAS</i>	29	* †	Chicago
Wine, Florence Maurine	<i>LAS</i>		* †	Mt. Morris
Wine, Frances Esther	<i>LAS</i>	115 $\frac{2}{3}$	* †	Chicago
Wine, Herbert John	<i>LAS</i>		* †	Maywood
Winholtz, Sylva Bell	<i>Mus sp</i>	11	* †	Berwyn
Wink, Nathaniel Edwin	<i>ForC</i>	42	* †	Houston, Texas
Winkleman, Dorothy Annette	<i>LAS</i>	27	* †	Chicago
Winkelman, Emma Elsie	<i>HEAgr</i>	29	* †	Krook, Iowa
Winkler, Joseph Fred	<i>CE</i>	35	* †	Chicago
Winkler, Ross, Wayne, B.S., 1921	<i>SS</i>	141 $\frac{1}{6}$	* †	Newman
Winn, Lawrence Lyle	<i>Law</i>	26	* †	Richmond
Winn, Marian Grace	<i>HELAS</i>	100	* †	Rockford
Winneberger, John Howard	<i>CE sp</i>		* †	Champaign
Winsborough, Calvert Swing	<i>LG</i>	106 $\frac{1}{2}$	* †	St. Louis, Missouri
Wislaw, Nathaniel Robbins	<i>ChE</i>		* †	Oak Park
Winston, James Byers	<i>ChE</i>		* †	Surgis, Kentucky
Winter, Carrie LaRoe	<i>LAS</i>	18	* †	Olney
Winter, Floyd Leslie	<i>Agr</i>	93	* †	Winona
Winterhalter, George John	<i>Accy</i>	32	* †	Lily Lake
Winters, Ernest Bruce	<i>EE</i>		* †	Champaign
Winters, Mrs. F J	<i>SS</i>		* †	Urbana
Winters, Robert Wayne	<i>Agr</i>	65	* †	Urbana
Winters, Roy I	<i>ChE</i>		* †	Kanaw
Wirth, Ralph Jacob	<i>AE</i>	99 $\frac{1}{6}$	* †	Wilton Junction, Iowa
Wirth, Sidney Raymond	<i>Bus</i>	59 $\frac{1}{2}$	* †	Champaign
Wirthlin, Melida Lee	<i>LAS</i>	32 $\frac{2}{3}$	* †	Webster Groves, Missouri
Wise, Forest George	<i>SS</i>	7 $\frac{1}{3}$	* †	Macon
Wise, Lucien	<i>Agr</i>	25	* †	Tamalco
Wisegarver, Cleo Fern	<i>LAS</i>	4	* †	Champaign
Wiseman, Ruth	<i>HELAS</i>	32	* †	Longview
Wiseman, Vivian	<i>LAS</i>	30	* †	Longview
Wissen, Vernet Theodore	<i>Accy</i>	30	* †	Rockford
Wissler, Stanley Sebhart	<i>SS</i>	7 $\frac{1}{2}$	* †	New York City, New York
Wissmath, Evelyn Wilhelmina	<i>HEAgr</i>	60	* †	St. Louis, Missouri
Wist, Joseph Elmer	<i>LAS</i>		* †	Decorah, Iowa
Wisthuff, Edith Elizabeth	<i>HELAS</i>	32	* †	Sibley, Iowa
Wisthuff, Myrtle Matilda	<i>HELAS</i>		* †	Sibley
With, Thorolf Edwin	<i>ME</i>	36	* †	Joliet
Withers, John Edward	<i>ChE</i>	8	* †	Pt. Sumner, New Mexico
Witt, Frank Jacob	<i>EE</i>	71	* †	Sidney
Witte, Paul Frederick	<i>ME</i>	92 $\frac{1}{2}$	* †	Louisville, Kentucky
Witwick, Eugene Charles	<i>IndA</i>	56	* †	Moline
Witwick, Henry Ayres	<i>IndA</i>	118 $\frac{1}{3}$	* †	Peoria
Wittler, Lawrence Henry	<i>SS</i>	7	* †	Janzen, Nebraska
Wittman, Robert Alfred	<i>ME</i>	116 $\frac{1}{6}$	* †	Chicago
Witwer, Frederick Minor	<i>Bank (SS)</i>	101 $\frac{1}{3}$	* †	Effingham
Witwer, Martha Nell	<i>HELAS</i>	32	* †	Effingham
Wixson, Lynn Wallace	<i>EE</i>		* †	Alexis
Woehler, Wallace Maurice	<i>LAS</i>		* †	Chicago
Woelfersheim, William Arthur	<i>Bus</i>	61	* †	Chicago
Woeltge, Franklin Worley	<i>EE</i>		* †	St. Louis, Missouri
Wohlfarth, Louise	<i>LAS sp</i>	25	* †	Champaign
Wolaver, William Harold	<i>Arch</i>	17 $\frac{1}{4}$	* †	Oklahoma City, Oklahoma
Wolcott, Katherine Minard	<i>HELAS</i>	101	* †	Batavia
Wold, Leaman Archer	<i>LAS (SS)</i>	100 $\frac{2}{3}$	* †	Rockford

Wold, Robert Marelius	<i>Bus</i>	23	* †	River Forest
Wolf, Carl Walter	<i>EE</i>	68½	* †	Chicago
Wolf, Erik William	<i>CE</i>	33	* †	Frankfort, Indiana
Wolfe, Arthur	<i>ME</i>	55	* †	Chicago
Wolfe, Grayce	<i>LAS</i>	35	†	Chicago
Wolfe, Harold Eugene	<i>ME</i>	41	* †	Tamaroa
Wolfe, Helen Alexandria	<i>LAS</i>	93	* †	Chicago
Wolfenberger, Charles, Marion	<i>Chem</i>	17½	* †	Chicago
Wolf, Bernice Serena	<i>HELAS</i>	65	* †	Urbana
Wolff, Samuel Saul	<i>EE</i>	109½	* †	Chicago
Wolfner, Frank Paul	<i>Cer E</i>		†	Chicago
Wolfram, Harold George	<i>Cer E</i>	77	* †	DesPlaines
Wolgart, Pauline Johanna	<i>SS</i>	98		Danforth
Wolgast, Ruth Esther	<i>LAS</i>	32	* †	Danforth
Wolinsky, Leo	<i>CE</i>		* †	Chicago
Wolk, Wade Franklin	<i>CE</i>	79½	* †	El Paso
Woll, Willard Matthew	<i>EE</i>		* †	Chicago
Wolter, Herbert F, B. S., 1918	<i>Bus</i>		†	Danville
Wong, Kan Tsz	<i>Bus</i>	40	* †	Canton, China
Wong, On Fuk	<i>Bank</i>	49	* †	Hongkong, China
Wood, Annetta Lois	<i>LAS</i>	98½	* †	Decatur
Wood, Edythe Townes	<i>HELAS</i>	9	* †	Champaign
Wood, Eugene William	<i>C&L</i>	23	* †	Chicago
Wood, Gerald Stone	<i>Jnl</i>	8	* †	Corry, Pennsylvania
Wood, Granville, Edward	<i>SS</i>	7		Keans
Wood, Hazel Myrth	<i>SHAED sp</i>	84	* †	Mt. Vernon
Wood, Henry Lester	<i>Agr</i>		* †	Bismarck
Wood, Herbert William	<i>SS</i>			Urbana
Wood, Isabel Frances	<i>LAS</i>	35	* †	Gerard
Woodbridge, Dudley Warner	<i>LAS</i>	120	* †	Seattle, Washington
Woodford, Kenneth Stanley	<i>Chem</i>		* †	Sebastopol, California
Woodford, Lester Melvin	<i>MedP</i>		* †	Sebastopol, California
Woodruff, Helen Blanche	<i>Jnl</i>	95½	* †	Savana
Woodruff, Samuel John	<i>ChE</i>		* †	Chicago
Woods, Alice	<i>LAS sp</i>		* †	Chicago
Woods, Homer Allen, Jr.	<i>Bus</i>		* †	Indianapolis, Indiana
Woods, Lucy	<i>LAS</i>	96	* †	White Hall
Woods, Orlo Wayne	<i>ChE (SS)</i>	42½	* †	Bloomington
Woods, Richard Northall	<i>CE</i>	33½	* †	Rockford
Woods, Sara Lucilla, A.B., 1920	<i>Lib</i>	32	* †	Princeton, Indiana
Woodson, Paul Edgar	<i>Agr</i>		* †	East St. Louis
Woodward, Charlotte Ann	<i>LAS</i>		* †	Oak Park
Woodward, Donald William	<i>EE</i>		* †	Chicago
Woodward, Harold Christopher	<i>LAS</i>	32	* †	Ottawa
Woodward, Marion Hannah	<i>LAS</i>	23	* †	Oak Park
Woodward, Stewart Gray	<i>IndEd (SS)</i>	32	* †	Chicago
Woodward, William Vanbenschoten	<i>EE</i>	3	* †	Evanston
Woolbert, Robert Gale	<i>LAS</i>	35	* †	Urbana
Woolford, Joseph Sidney	<i>SS</i>	74		Sparta
Wooley, Glenn Meng	<i>SS</i>	7½		Carlville
Wooley, Russell Brooks	<i>Bus (SS)</i>	95	* †	Champaign
Woosley, Grace Ellen	<i>LAS (SS)</i>	67½	* †	Pinckneyville
Worthington, Frank Lancaster, B.S., 1921	<i>SS</i>	140½	* †	Douglstown, Pennsylvania
Worthington, Leslic Berry	<i>Bus</i>	68	* †	Witt
Woulfe, Henry Francis	<i>Bus (SS)</i>	114	* †	Chicago
Wright, Mrs. Alma Louise	<i>SS</i>			Rockford
Wright, Anna Joe	<i>LAS</i>	33	* †	Havana
Wright, Charles Thomas	<i>ME</i>	2½	* †	Menominee, Michigan
Wright, David Granville	<i>Bus</i>		* †	Portland, Oregon
Wright, Edward Alburn	<i>LAS</i>		* †	Villa Grove
Wright, Harold Abbott	<i>MedP</i>	41	* †	Oak Park
Wright, Harry Smith	<i>Agr sp</i>		* †	Mahomet
Wright, Homer Franklin	<i>Accy</i>	31	* †	Paris
Wright, Karl Theodore	<i>Agr</i>	35	* †	Moweagua
Wright, Kenneth Edwin	<i>Agr</i>		* †	Waukegan
Wright, Kenton Robert	<i>IndA</i>	68	* †	Urbana
Wright, Laurence Sedwich	<i>ChE</i>		* †	Oak Park
Wright, Linder Ogden	<i>IndA</i>		* †	Sullivan
Wright, Lucille	<i>LG</i>		* †	Oakland
Wright, Mildred Bernadine	<i>LAS</i>		* †	Champaign
Wright, Mrs. Olive Ruth	<i>SS</i>	5½		Champaign
Wright, Robert Lincoln	<i>Voc vsp (SS)</i>	64	* †	Greenville
Wright, Wiley Reed	<i>SS</i>	4		Newburgh, Indiana
Wright, Willard Gilbert	<i>SS</i>	0		Greenville
Wrisley, Lawrence Norton	<i>Bus</i>	6	* †	Chicago
Wu, Lih Ming	<i>RME</i>	41½	* †	Shanghai, China
Wu, Te Yuan	<i>ForC (SS)</i>	35	* †	Peking, China
Wuestman, Adelbert Earnest	<i>ME (SS)</i>	100½	* †	Champaign
Wurst, Henry Ebert	<i>Bus</i>	78½	* †	Sullivan
Wurst, Katherine	<i>LAS</i>	35	* †	Quincy
Wynd, Clarence Leon Alexander	<i>ChE</i>	81½	* †	Peoria
Wyninger, Evangeline Day	<i>LAS</i>	17	* †	Urbana
Wyrick, Austin Basil	<i>REE</i>		* †	Chicago
Yackel, Walter Carl	<i>Bus</i>	34½	* †	Alton
Yackey, George Frederic	<i>ME</i>	73	* †	St. Louis, Missouri
Yackey, Harold Hilgard	<i>ME</i>	73	* †	St. Louis, Missouri

Yackie, Stella May	SS	33½	Nokomis
Yale, Charles Ernest	SS	131½	Aurora
Yantis, Ruth	LAS	35	* Urbana
Yao, David Sunshing	RME(SS)	19	* † Kiang Su, China
Yarrow, Paul Warren	Bus	28	* † Chicago
Yates, Howard Noble	ForC	109	* † Buffalo, New York
Yates, John Edward	Law	5	* † Taylorville
Yates, Stella Day	SS	22½	* † Baylis
Yeager, Dean Clifford	EE	56	* † Lena
Yeakel, Gladys Rachel	Mus		* † Stanford
Yearsley, Mary	SS (SS)	48	* † Urbana
Yeh, Henry Hsing Chin	SS	6	* † Peking, China
Yeh, Kung Hwei	ME	76	* † Tientsin, China
Yelton, Anna Leah	LAS sp		* † Greenfield, Indiana
Yingst, Elisha Verne	Bus		* † Alton
Yockey, Forrest Leroy	SS	4½	* † Plymouth
Yokayama, Tokiji	RE		* † Chicago
York, Mrs. Cleta Price	LAS		* † Shattuck
York, Lee	Voc osp	19½	* † Richmond, Kentucky
Young, Arthur White	ChE	35	* † Kokomo, Indiana
Young, Carl Walter	Agr	29	* † Marissa
Young, Charles Thomas	LAS		* † Pekin
Young, Daisy Belle	Bus	31	* † Alton
Young, E Frank	SS	8½	* † Wausaw, Wisconsin
Young, Everett Lewis	Agr	67	* † Chillicothe
Young, Frank E	Voc osp		* † Urbana
Young, Gilman Boardman	AE (SS)	41	* † Toulon
Young, Gordon Mark	Agr sp	40½	* † Centralia
Young, Harold Dwight	Agr	29½	* † Hillsboro
Young, Helen Margaret	HELAS		* † Glen Ellyn
Young, James Russell	LAS		* † Rushville
Young, John Russell	LAS	67	* † Kokomo, Indiana
Young, Leotis Eugene	Bus	28½	* † Saunemin
Young, Leslie	SS	4	* † Flora
Young, Minta Jane	HELAS sp		* † Greenville
Young, Russell	EE	50	* † Rossville
Young, Thomas Steel	EE		* † Chicago
Young, William Clyde	Agr	41	* † Geneseo
Youngblood, Robert Augustus	IndA	27	* † Aurora
Younger, George Herbig	LAS	37	* † Peoria
Younger, Lewis Irving	LAS		* † Chicago
Younger, Mabel Estella	HELAS		* † Findlay
Youngquist, Philip Oliver	CE	2½	* † Batavia
Yount, George Raymond	SS	8½	* † Fairfield
Yu, Chi Chuan, A.B., 1921	SS	130	* † Washington, D.C.
Yuan, Tsung Tok	ME (SS)	19	* † Canton, China
Yuen, Kwok Sham	SS	134½	* † Canton, China
Yuenger, Arthur Theodore	Bus		* † Chicago
Yutzy, Viberta Nellie	LAS	98	* † Lebanon, Indiana
Zacher, Arthur Henry	Bus		* † Chicago
Zadek, James George	ME		* † Chicago
Zahnow, Mattie Frances	SS	3	* † Mason
Zahnow, Walter J	SS	5½	* † East St. Louis
Zahorik, Edward John	Ath	66½	* † Milwaukee, Wisconsin
Zahrobsky, Iad George	Ath		* † Cicero
Zaleski, John Thaddeus	Bus (SS)	103	* † Chicago
Zeek, Leo Donnell	EE (SS)	115½	* † Champaign
Zieger, Dallas Henry	Bus		* † Secor
Zeilman, Charles Kautz	Ath	111	* † Nassau, New York
Zeki, Ali Ayet	EE (SS)	17	* † Urbana
Zeltmann, Margaretha Caroline	LAS	60	* † Alton
Zeltmann, Mathilde Elizabeth	SS	6	* † Sullivan, Missouri
Zelvian, Yervant M	Agr (SS)	96	* † Messina, Cilicia
Zent, Lester Dale	Arch	32	* † South Bend, Indiana
Zia, Youssouf Abraham	EE (SS)	19½	* † Constantinople, Turkey
Zick, Helen Elizabeth	LAS (SS)	6	* † Polo
Zeigler, Harry Hudson	Accy		* † East St. Louis
Ziegler, Mildred Elizabeth	HELAS		* † Aurora
Ziemer, Gregor Abraham	LAS	103	* † Allamont
Zilly, Marie Louise, A.B., 1909	SS	158	* † Champaign
Zimbon, Edward	CerE		* † Chicago
Zimmer, John Warner	Bus		* † Champaign
Zimmerman, Frank Charles	SHED	73	* † Bunker Hill
Zimmerman, George Wallace	IndA	24	* † Chicago
Zimmerman, Harold Lorenzo	Bus		* † Marion
Zimmerman, John Harvey	ME	120	* † Chicago
Zimmerman, Joseph Frank	ME		* † Springfield
Zimmerman, Mrs. Julia B	LAS sp		* † Urbana
Zimmerman, Nelson John	Law sp	36	* † Effingham
Zimmerman, Ruby Camille	LAS	118	* † Oakland
Zimmermann, Albert Jobst	SS	99½	* † Peoria
Zimmermann, George Waldo	IndA	23	* † Peoria
Zink, Frank Joseph	Accy	34½	* † Indianapolis
Zink, Hal Humphrey	EE	71	* † Kansas
Zink, Ruth	LAS		* † Elmwood
Zipprich, Raymond William	MedP		* † Chicago

Zivny, Joseph Charles	ME		* † Chicago
Zoerb, John George	Flor		* † LaCrosse, Wisconsin
Zoller, Bernard Baum	ChE		* † Palmyra, Missouri
Zombro, Mrs. Ethel Leidendeker	SS		Champaign
Zorn, Lucille Marie	LAS		† Decatur
Zuckerman, Joseph Samuel	ME (SS)	112	* † Chicago
Zurkow, Sidney H	Bu:1		† Chicago
Zuzuly, Walter Svetislav	ME		* † Chicago

COLLEGE OF MEDICINE

Name	Year	Residence
Abrahams, Samuel, B.S.	4	Oblong
Abramson, William Frederick	2	Chicago
Adler, Julius, B.S.	3	Chicago
Albach, Maurice, B.S.	3	Chicago
Albrecht, Paulus Gerhard, Ph.D., B.S.	3	Chicago
Alcivar, Ernest	3	New York, New York
Alesen, Lewis Albert, B.S.	5	Detroit, Michigan
Alford, Frank Lambert	1	Cropsey
Amberson, Henry Rex, A.B.	3	Santa Ana, California
Anderson, Bertha M Gumilla, B.S.	4	Denver, Colorado
Apple, Carl, B.S.	3	Chicago
Aries, Philip, B.S.	5	Chicago
Armitage, Ralph Boyce	2	Laurensville
Armstrong, Ray Conway	1	Mound City
Athanas, Grant Vahan	1	Chicago
Bacon, Carl Alfons, B.S.	5	Chicago
Bailey, Bayard Melvin, B.S.	4	Chicago
Baker, Eugene Lester, B.S.	3	Chicago
Bard, Reuben	1	Chicago
Bass, Howard	1	Chicago
Batko, Jack B	1	Chicago
Baumgartner, George John, B.S.	3	Forest Park
Belnap, Hyrum Earl, B.S.	3	Ogden, Utah
Belyea, Reginald Joy	1	Botineau, North Dakota
Bendeke, Edle Lillian, B.A.	5	Mentor, Minnesota
Bengtson, Bengt Norman	1	Chicago
Berman, Simeon Leo, B.S.	4	Chicago
Bernheimer, L Benno	5	Terre Haute, Indiana
Besta, Charles John	1	Chicago
Bigglestone, Harry Clinton, A.B.	2	Chicago
Block, Coleman Alex, B.S.	4	Des Moines, Iowa
Bloom, Arthur Ruben, B.S.	4	Chicago
Blount, Walter Putnam	1	Oak Park
Blye, Franklin Wetmore	1	Chicago
Bobek, Edward Frank	1	Chicago
Boelio, Louis N	1	Chicago
Bolotin, Max T	2	Chicago
Bond, Ralph Emerson	1	Harcro
Boner, Albert J, B.S.	3	Chicago
Brams, Julius, B.S.	5	Chicago
Brandenburg, Kenneth Charles	1	Chicago
Bratrude, Amos Preston	3	St. James, Minnesota
Brewer, Lewis Rawlings	1	Chicago
Briney, Walter Frederick	1	Chicago
Broadboll, Nora Florence	1	Chicago
Bronson, Paul Jones, B.S.	5	Terre Haute, Indiana
Brough, Glen Amos	2	Bushnell
Brown, Hyman Nathanson	2	Chicago
Browne, William Harcourt, B.S.	5	Chicago
Brunkow, Charles Daniel	1	Dubuque, Iowa
Buhrman, William Lane, B.S.	4	Nashville
Burkett, Richard Clare, B.S.	5	Orange, California
Burst, William	4	Chicago
Byers, William Mitchell, B.S.	3	Spokane, Washington
Cameron, Stuart	1	Chicago
Caron, Robert Paul, B.S.	3	Kankakee
Carrell, William Dayton	1	Greenup
Cella, Louis Edward	1	Chicago
Charpier, Leonard Louis, B.S.	5	Chicago
Chenoweth, Frank Leland, B.S.	5	Mason City
Christian, Clair Everett	1	Lake Park, Iowa
Cirlin, Marcus	3	New York, New York
Coleman, John Spurgeon, B.S.	5	Ha stead, Kansas
Collins, Loren Leslie	2	Chicago
Colyer, Raymond G	2	Carbondale
Connelly, Marie Louise, A.B.	1	Pueblo, California
Conrad, Clyde Kenneth	1	Urbana
Cooper, Arthur Reuben, A.B. A.M., Ph.D.	2	Chicago
Crabtree, Joe P	1	Cairo

*Numbers indicate first, second, third and fourth year of the medical course.

Crawford, Neal Dow, B.S.	5	Luverne, Minnesota
Crow, Robert Neil	2	Carrollton
D'Alcorn, Ernest Napoleon, B.S.	5	Chicago
Davis, Irwin	2	Belleville
Davis, John Dwight, A.B.	5	Genoa, Nebraska
Davison, Claude Lorraine, A.S.	1	Peoria
De Freitas, Clement, B.S.	3	Guzana, South America
Dennis, Howard Olney, B.S.	5	Clovis, New Mexico
Dessent, Robert, B.S.	3	Chicago
Deuss, Hugo Otto	2	Chicago
Dewey, Jay Reed, B.S.	4	Moville, Iowa
Dona, Pedro J, B.A., B.S.	5	Managua, Central America
Donaly, Marie Ruby	3	Carterville
Doolen, Glenn Wesley, B.S.	4	Bondville
Dorman, Marion Furman, A.S.	1	Peoria
Douglas, Robert James	1	Chicago
Drues, Isadore Abraham, B.S.	4	Chicago
Edgington, Lloyd Conway	2	Chicago
Eddin, Louis, B.S.	4	Chicago
Edwards, Eugene Albert	3	South Whiteley, Indiana
Edwards, Howard Milton	3	Lee
Edwards, Robert William	1	Waukegan
Elfeld, Persis, B.S.	4	Arlington Heights
Ehazo, Esteban	2	Philippine Islands
Elliott, William Gibson	2	Escanaba, Michigan
Ellis, James Caleb	1	Anna
Ellowitz, Hymn	1	Los Angeles, California
Emmerling, Carl J	1	Pe kin
Engelhard, Herbert Harter	1	Chicago
Epstein, Casper Morris	1	Chicago
Epstein, David, B.S.	3	Chicago
Eshman, Louis	2	Chicago
Etherton, Fred Snider	2	Carbondale
Ettleson, Abraham	2	Chicago
Eubanks, John Edward, Jr., B.S.	1	Chicago
Eye, Charles Harold	2	Waukegan, Iowa
Fahlstrom, Stanley Charles William	1	Moline
Fairchild, John Edward	1	Maywood
Faxon, Donald Eugene, B.S.	4	Sandwich
Feigen, Manuel I	1	Chicago
Feldman, Louis, B.S.	3	Chicago
Figueroa, Liborio	3	Humaco, Porto Rico
Fillingham, Enid	1	Vincennes, Indiana
Fischer, Jacob	1	Chicago
Fitch, Franklin Ransom, B.S.	5	Chicago
Flack, Clarence Elbert	1	Chicago
Fleischner, Julius, B.S.	4	Chicago
Flynn, John Francis	2	Chicago
Flynn, Robert William	2	Chicago
Focke, William John, B.S.	5	Chicago
Fox, Chester Philip	2	Chicago
Frenzel, Walter Charles, B.S.	3	Wausau, Wisconsin
Furness, Carl Nathaniel	1	Sullivan
Gainer, John Fisher, B.S.	5	Palatine
Gellenhien, Carl Herman	1	Chicago
Gentile, Caroline Margaret	1	Chicago
Gewirtz, Milton B	2	Whiting, Indiana
Gilbert, Ivan	1	Oakland
Giron, Juan	1	Philippine Islands
Glassoff, George Samuel	2	Chicago
Glickman, Leo Grant	2	Chicago
Goebel, Russel Walter	2	Streator
Goff, Charles Weer	3	Davenport, Iowa
Goldberg, Joseph	4	Chicago
Goldberg, Bernard, B.S.	3	Chicago
Goldenson, Maxwell Julian	5	Chicago
Goodwin, Marcus	3	Chicago
Gootnick, Jacob B	1	Chicago
Gordon, Harry, B.S.	5	Chicago
Gorham, Wilbur Clark	2	Fort Wayne, Indiana
Greengard, Joseph, B.S.	3	Chicago
Groos, Harold Quinten	2	Chicago
Groot, James Tobias, B.S.	3	Chicago
Groves, Robert Leroy	2	Chicago
Guilder, Ruth Pierce, B.S.	5	Chicago
Guttman, Maurice	2	Chicago
Hadden, Shirley Louis, B.S.	3	Chicago
Hahn, James Pendleton	3	Greenville, South Carolina
Hall, Earl Hopkins, B.S.	3	Oconto, Wisconsin
Halpern, Louis Joseph	2	Chicago
Harper, LeRoy	1	Seattle, Washington
Harris, Richard August, B.S.	3	Quincy
Harris, Sigil Clance	2	Wilmot, South Dakota
Hawkins, Herman Wientzel	1	Henry
Hebeisen, Milton Boyce, B.S.	5	Carner, Minnesota
Hedges, Lafayette Abbott	1	Galena, Kansas

Heinekamp, Walter J R, B.S., M.S.	5	Chicago
Hershey, Charles Owen	5	La Junta, Colorado
Hill, Lewis Rowland, B.S., M.S.	1	Carthage
Hoffman, Ralph Wesley, B.S.	5	Waterloo, Iowa
Holt, Janet Louise	1	Evanston
Hoskins, James Howard, B.S.	3	Rolla, North Dakota
Horsky, Brooke	2	Helena, Montana
Hospers, Anthony	5	Pella, Iowa
Hruby, Frank Edward	1	Chicago
Hubbard, Roger Wolcutt	1	Kankakee
Hughes, Clarence Orville, B.S.	4	White Heath
Humiston, Homer Wheeler	1	Chicago
Imbierski, Stanley J, B.S.	3	Chicago
Inman, Richard Frank, Jr.	1	Chicago
Jackson, Thomas, B.S.	1	Chicago
Janicki, Stanley Florin, B.S.	2	Chicago
Jensen, Ingvald Johan, B.S.	5	Chicago
Jerkowsky, Morris Solomon	2	Chicago
Jewell, Harrison Bonwell, B.S.	5	Coon Rapids, Iowa
Jewell, John Holly, B.S.	5	Coon Rapids, Iowa
Johnson, Harvey Chester, B.S.	3	Superior, Wisconsin
Johnson, Howard Reynold	2	Bishop Hill
Johnson, John Robert	2	Decatur
Johnson, Reinhold Enoch	1	Chicago
Johnson, Russell, B.S.	2	Clinton, Iowa
Johnston, James Paul	5	Hampton, Iowa
Jones, Arthur Pembroke	1	Bradford
Jones, Ernest Eugene	1	Chicago
Jongewaard, Jeanette	3	Orange City, Iowa
Josewski, Raymond Julian	4	Maxbass, North Dakota
Kaminsky, Hyman	1	Chicago
Kaplan, Samuel	2	Chicago
Karbelnig, Morris	3	Chicago
Karlin, Isaac, B.S.	3	Chicago
Katzman, George	1	Chicago
Kellogg, Douglas Sheldon	2	Des Moines, Iowa
Kelly, Edward Joseph	3	Chicago
Kenny, William Lloyd	2	Pontiac
Kies, Benjamin Bernard, A.B.	1	Rock Island
Klein, Jacob, B.S.	3	Chicago
Kleinman, Bernard Samuel	1	Chicago
Kobak, Alfred, B.S.	3	Chicago
Kordenat, Ralph August, B.S., M.S.	5	Chicago
Kraft, Adolph, B.S., M.S.	5	Gilman
Krembs, Ferdinand Richard, B.S.	3	Stevens Point, Wisconsin
Kronenberg, Milton	2	Chicago
Kuner, Samuel	1	New York, New York
Laibe, Joseph, B.S.	5	Chicago
Lans, Nathaniel Benjamin, B. S.	3	Chicago
Lansche, Elmer Arnold, B.S.	3	Brighton
Ledford, Roy Merl	1	Harrisburg
Leitch, Neil McLean	1	Toulon
Lenit, Harold Walter	3	Chicago
Lenth, Vincent James Thomas	2	Evanston
Lenzen, Aloysius Francis, A.B.	2	Peru
Levin, Abe Louis, B.S.	5	Chicago
Levin, Benjamin Mordecai, B.S.	3	Chicago
Levy, Benjamin	1	Chicago
Lif, Jacob Aaron	1	Chicago
Lifvendahl, Richard Axel	2	Chicago
Little, Ethel Esther, A.B., B.S.	5	Champaign
Litton, Louis, R. Ph., B.S.	3	Chicago
Livingston, George Shaynin, B.S., M.S.,	4	Chicago
Logan, Francis William	1	Joliet
Lorance, Luther Monler	1	Robinson
Lorfeld, Gehard William	3	Sheboygan, Wisconsin
Loughery, Harold Barker, B.S.	5	Palestine
Lowe, John William, B.S.	3	Whitehall, Wisconsin
Lucas, Frank Blackburn, B.S.	3	Chicago
McGrath, Floyd Lawrence, B.S.	3	Savanna
McIntire, Emery J	1	Kansas City, Missouri
McMillan, John Charles	2	New Berlin
McNally, Andrew	2	Chicago
MacCormack, Donald Maxwell	1	Whitehall, Wisconsin
Magill, Clark Russell William, B.S.	3	Sullivan
Mah, Margaret Katherine, B.A.	3	Berkeley, California
Maher, Chauncey Carter, B.S.	2	Payson
Maizus, Saul Hyman, B.S.	4	Chicago
Malnekoff, Ben Jack	4	Milwaukee, Wisconsin
Mandel, Robert Meyer, B.S.	4	Chicago
Mann, William Alfred, Jr., B.S.	3	Wilmette
Marcusson, William Beringer, Jr.	2	Chicago
Margolis, Jesse	2	Uniontown, Pennsylvania
Marsh, Howard LaRue, B.S., M.S.	1	Oil City, Pennsylvania
Maryan, Harry D	4	Chicago
Masterton, Edward Lincoln	3	Chicago
Mathre, Albert Ilmer, B.S.	3	Chicago

Meals, Robert Woodruff	2	Peoria
Mercer, Alonzo Maceo	1	Chicago
Merchant, Henry Alpheus	2	Lexington, Kentucky
Merrill, Don Clayton, B.S.	5	Richmond, Utah
Meyer, Raymond John	1	Chicago
Meyer, William P	1	Chicago
Meyerson, Solomon	1	Chicago
Miller, Clayton O	1	Wyoming
Mills, Morton Joseph	3	Chicago
Mishkin, Herman Louis	1	Chicago
Mitchell, Raymond Ervin	5	Gary, Indiana
Moen, Cornetta Grothaus	3	Chicago
Moeur, John Kelly, B.S.	4	Tempe, Arizona
Mohr, Truman Jacob	1	Van Wert, Ohio
Monroe, Paul Burns, B.S.	4	Bisbee, Arizona
Montezon, Apolonio Fermin	2	Philippine Islands
Mora, Jacob Morton	2	Chicago
Moxon, George William	1	Stevens Point, Wisconsin
Mroz, Rudolph, B.S.	5	Chicago
Mulcahy, John P	2	Chicago
Mulfinger, Carl Leonard, B.S.	4	Chicago
Myers, William Henry, B.S.	4	Coal Valley
Nasatir, Azor Victor, B.S.	3	Los Angeles, California
Neiberg, Carlton Maurice	2	Pittsburgh, Pennsylvania
Nemeroff, Jacob	5	Chicago
Newman, Melvin Max, B.S.	3	Chicago
Nickels, Arnold Carl, B.S.	5	Watertown, Wisconsin
Nielson, Johannes, B.S.	3	Chicago
Novak, Julius B	1	Chicago
Nowlin, Owen Wendell Emen	2	Farmer City
Nystrom, Charles Gustav	2	Chicago
O'Hara, Clarence M	2	Madison, Wisconsin
Olson, Carl Lester Elmer	1	Pacific Junction, Iowa
Owens, Celia Evelyn, B.S.	3	Battle Creek, Michigan
Park, Albert	1	Chicago
Pavlin, Otto Bohemil	1	Chicago
Pawlich, Otto Victor	1	North Freedom, Wisconsin
Perman, Louis W	2	New York, New York
Peterson, Leo Willis	3	Granton, Wisconsin
Pfeifer, Oliver Conrad	1	Mascoutah
Picard, Arthur Paul	2	Chicago
Pieczynski, John Leo	1	Chicago
Pierce, Harrison Morton, B.A.	3	Madison, Wisconsin
Piit, Gaudencio E. B.S.	3	Philippine Islands
Pilka, Herman, B.S.	4	Chicago
Pinkerton, Roger Edmund, B.A., B.S.	5	Pawnee City, Nebraska
Plice, Samuel Glen, B.S.	5	Chicago
Ploche, Leonard Gallard, D.D.S.	1	Chicago
Polkovitz, Mannie Arnold	4	Chicago
Pontius, Guy Victor, B.S.	4	Rochester, Indiana
Ponzer, Emma, A.B.	2	Henry
Potts, Albert LeRoy, B.S.	4	Honey Bend
Poulson, Charles T	2	Armour, South Dakota
Prescott, Manfred Ullman, B.S.	4	Oak Park
Prilla, Evsay, B.S.	4	Chicago
Przypyszny, Casimir, B.S.	5	Chicago
Quackenbush, Charles Verbeck	2	Aurora
Raginsky, Oscar, B.S.	5	Chicago
Raimond, Florence Mary	1	Chicago
Ralston, John Francis	2	Rock Island
Rankin, Frank Stephen, B.S.	4	Chicago
Rappaport, Benjamin, B.S.	4	Chicago
Reeves, Dwight Coleman, B.S.	3	Monticello
Reinhard, Otto Andrew, B.S.	4	Cullom
Resnik, Tobias, B.S.	4	Chicago
Rettig, Frederick August, B.S.	5	Chicago
Reuther, Theodore Ferdinand, B.S.	3	Efingham
Rhodes, Julius, B.S.	5	Chicago
Richmond, Frank, B.S.	5	Chicago
Richter, Oscar	1	Chicago
Rissinger, Arthur Joe	Sp	Mason City
Roberts, Dewey Minnis	2	Lakewood
Robertson, Robert Crawford	2	Coulterville
Robertson, Thomas Sanderson	2	Chicago
Rogers, Jesse P	2	Pittsburgh, Pennsylvania
Rooney, Eugene John	1	Chicago
Rosenberg, Maurice Joseph, B.S.	5	Chicago
Rosenberg, Robert	1	Chicago
Rosenbloom, David	2	Chicago
Rosenbloom, Harold H	1	Los Angeles, California
Ross, Hector Morrison	1	Chicago
Rost, Theodore August, B.S.	5	Chicago
Rubenstein, Joseph	2	Petersburg
Rubin, Henry Harry, B.S.	4	Chicago
Rubin, Irwin, B.S.	5	Chicago
Rudnick, Dorrin Fred	5	Chicago
Rush, Paul White, B.S.	5	Detroit, Michigan

Rutledge, James Hirst, B.S.	4	Farmer City
Ryan, Lawrence Donat	1	Kewanee
Saelhof, Clarence Charles, B.S., M.S.	5	Chicago
Saltiel, Thomas Paine, B.S.	3	Chicago
Santos, Juan Cuiugan, B.A.	1	Philippine Islands
Schafer, Robert	2	Chicago
Schechter, William, B.S.	3	Chicago
Schinberg, David	2	Chicago
Schirmer, Elizabeth Helen	2	Chicago
Schroeder, Robert Henry, B.S.	5	Nashville
Sculley, Jesse Casstevens	1	Brookings, South Dakota
Shalla, Leon Stanley	1	Chicago
Shapiro, Irving Joseph, B.S.	5	Chicago
Shapiro, Sherman Lawrence	2	Chicago
Shelton, George C	4	Taylor, Arkansas
Shiffrin, Max	1	Chicago
Shore, Samuel	1	Chicago
Shurtz, William Gooding	1	Hawarden, Saskatchewan, Can.
Sigalowa, Dwoira Gershawa	2	Kiev, Russia
Sinai, Leah, B.S.	4	Chicago
Singer, Harry	2	Chicago
Skarperud, Arthur, B.A.	3	Mayville, North Dakota
Smejkal, Frank John, B.S.	2	Chicago
Smith, Annie Thompson, A.B., A.M.	4	Durham, North Carolina
Smith, Beulah Marie, B.S.	3	Chicago
Smith, Charles Raimer	2	Georgetown
Smith, John Frederick	3	Montpelier, Ohio
Smith, Wilbur Childrick	1	Lawrenceville
Snavely, Ralph B	2	Sterling
Sodaro, Joseph Clarence, Jr., B.S.	3	Aurora
Soloway, Herman Milton	5	Minneapolis, Minnesota
Spector, Hyman, B.S.	2	Chicago
Spiesman, Irwin Gabriel, B.S.	5	Chicago
Stamler, Allan Erwin	1	Chicago
Steckbauer, Clifford Earle	1	Chicago
Steinert, Lars Eric Theodore	1	Chicago Heights
Steinman, Floyd Hough	1	Roberts
Stephens, Harry Hart	1	Chicago
Stewart, Frank, A.B.	5	Champaign
Stoops, Richard Boothby, B.S.	3	Ipavia
Streicher, Michael Henry	2	Chicago
Sugar, Sol Ascher	1	Chicago
Sugars, Roy Thomas	1	Chippewa Falls, Wisconsin
Sukumlyn, Stephen Williams	1	Kief, North Dakota
Sutch, Vincent J	2	Chicago
Taucher, Cyril John	1	Milwaukee, Wisconsin
Testin, Henry	4	Joliet
Thomas, Joseph Hancock	2	New Douglas
Thornton, Maurice John	2	South Bend, Indiana
Thurston, Alvin Stewart	2	Chicago
Tippet, Walter Pierson, B.A.	2	Appleton, Wisconsin
Tolpin, Samuel, B.S.	4	Chicago
Traisman, Alfred Stanley, B.S.	5	Chicago
Tranter, Paul W	5	Armour, South Dakota
Tygett, Glen Joseph, B.S.	3	Jonesboro
Uthoff, Carl Joseph	3	Chicago
Van Pelt, Theodore Ross, B.S.	5	State Center, Iowa
Vener, Hyman	2	Los Angeles, California
Ventress, Ward Houston, B.S.	4	Monmouth
Vincent, Helen Ruth	1	Chicago
Vogel, Samuel Alexander, B.S.	3	Superior, Wisconsin
Wanger, Halvard	1	Chicago
Warren, Homer Samuel, Jr., B.S.	5	Chicago
Watters, George Hanawalt	1	Des Moines, Iowa
Wead, John Trimmer, B.S.	3	Wyoming
Webber, Leonard Fred	5	Gilman
Wehringer, Henry George, B.S.	3	Chicago
Weiner, Samuel	2	Chicago
Welensky, David Arthur, B.S.	4	Chicago
Wessel, Marion	2	Chicago
Wessels, Marie, B.S.	3	Quincy
Wiese, Max Edward	1	Fresno, California
Wille, Carl August	3	Blue Island
Williamson, Wayne Shepard	1	Hillsboro
Winston, Woody Maurice, A.B.	1	Chicago
Wisch, Louis J	5	Whiting, Indiana
Witters, Josef Edward, B.A.	1	Grand Rapids, Michigan
Wong, David Marndell	1	New West Minister, D.C.
Wood, Cordelle Atherton, B.S.	3	Amboy
Wood, Wilbur Stuart	2	Decatur
Yahya, Mohammed, B.S.	3	Aramon, Syria
Yancovsky, Samuel	1	Chicago
Yockey, John Clarence	2	Monticello
Yonker, William, B.S.	5	Chicago
Young, Edmund V	2	Aurora
Zeitlin, Nathan, B.S.	4	Chicago
Zulaybar, Sofronio, B.S.	5	Philippine Islands

COLLEGE OF DENTISTRY

Name	Year	Residence
Achen, Mathilda	4	Chicago
Addes, Michael William	1	Chicago
Anderson, Melvin Edward	3	Lynn Center
Asher, Sidney	2	Chicago
Baewsky, Morris	3	Chicago
Barnes, George Francis	2	Whitehall, Montana
Barton, William Henry	3	Litchfield
Baxter, Robert Knighton	2	Chicago
Beam, Maurice Jerome	2	Canton
Berens, Vincent Julian	4	Shakopee, Minnesota
Berger, Maurice	4	Chicago
Beshoar, Daniel Lloyd	4	Burnettsville, Indiana
Bez Kostny, Frank	2	Chicago
Bird, Park Boyden	3	Springville, Utah
Birkhaug, Trygve Johan	2	Chicago
Black, Russell Forrest	3	Beardstown
Boncan, Antonio H, D.D.S.	4	Manila, Philippine Islands
Bone, George Dewey	3	Chicago
Brown, Bradford Thomas	4	Chicago
Brunson, Carl Littlefield	2	Ft. Wayne, Indiana
Buchmiller, Le Roy John	3	Richmond, Utah
Burton, Karl K, A.B.		
Butler, James Arthur	3	Chicago
Byrne, Webster Edward	2	Harrisburg
Call, Charles Clarence	3	Springfield
Capenegro, Sebastian	3	Chicago
Cleveland, Charles Pearson	2	Bushnell
Clinite, Harold Ellis	3	Rochelle
Clothier, Ernest Jacob	2	Rockford
Crawshaw, Earl Harwood	2	Chicago
Crismyre, Vernon Carroll	2	Chicago
Danziger, Fred	2	Chicago
Davis, Thomas Edward	2	Benton
De Larco, Joseph Edward	2	Chicago
Draper, William Alexander	1	Clinton
Drell, Benjamin	2	Chicago
Doolen, Deane Elmo	2	Champaign
Doty, Harry	2	Chicago
Droher, Philip	3	Chicago
Drummond, Harold Arthur	2	Chicago
Dunlap, Delaraine Keith, A.B.	2	Ripon, Wisconsin
Eisenbrand, George Frederick	3	Hubbard Woods
Elfenbaum, Hyman	4	Chicago
Engeljohn, Elmer Herman	2	Bloomington
Eustaquio, Cayetano Cruz, D.D.S.	4	Manila, Philippine Islands
Ewell, Willis G	2	Chicago
Falotica, George Anthony	2	Chicago
Feinberg, Edward David	2	Chicago
Finnegan, John	4	Homer
Flood, Thomas Edwin	2	Demopolis, Oklahoma
Frampton, Franklin	3	Pleasant Grove, Utah
Gans, Louis, B.S.	1	Talledega, Florida
Gilbert, Arthur Abbott	1	Pana
Gold, Abe Elmer	3	Chicago
Goldman, Bernhard	3	Chicago
Goldman, Max	3	Chicago
Goldstein, Abraham	2	Chicago
Gould, Seymour Noah	3	Chicago
Grassle, Lee Clark	2	Rochester, Minnesota
Griseto, Victor Louis	2	Chicago
Groeshl, Fred	1	Chicago
Grover, Norman Herbert	2	Logansport, Indiana
Hallgren, Edward Rudolph	2	Chicago
Hamano, Matsutaro	4	New York City, New York
Harris, Michael Nathan	3	Peoria
Harvey, Ralph Frame, B.S.	3	Chicago
Harvey, Ward Winfield	4	Bridgewater, South Dakota
Hedges, Le Roy Ellis	2	Chicago
Heller, Max	2	Brooklyn, New York
Hermes, Elmer Albert	4	Aurora
Hevesh, Joseph, A.M.	3	Chicago
Hines, Harry Christopher	4	Champaign
Hohman, Ralph Henry	4	Nashville
Holt, Leonard Clarence	3	Chicago
Hoyt, Lloyd Dallas	3	De Smet, South Dakota
Hubbard, Walton H*	1	Florence, Alabama
Hughes, Luther Walter	4	Mason City
Humble, Thomas William	1	Chicago
Iai, Kenzo, D.D.S.	4	Asahigawa, Japan
Iglowitz, Jacob	3	Chicago
Jager, Elizabeth (Miss)	3	Chicago

Jennings, Percy Howard P	2	Chicago
Johnson, Andrew John	2	Ishpeming, Michigan
Johnson, John Wallace	2	Faulkton, South Dakota
Jones, George	1	Chicago
Jones, John Robert	4	Mason City
Jung, William Cyrus	2	Chicago
Kanter, Nathan	2	Chicago
Keller, Vernon Seth	2	Brigham City, Utah
Kingston, Neil Anthony	3	Hornell, New York
Kolar, George Franklin	1	La Grange
Kopriwa, Edward Louis	2	Chicago
Krabbe, Newton John Fred	4	Champaign
Krauser, Elba Louis	4	Bushnell
Kretshmer, Sam David	4	Chicago
Krout, Sara Gdulin (Mrs.), D.D.S.	4	Riga, Russia
Kuhlman, Ernest William	2	Peoria
Kupperman, Fred	2	Chicago
Lachout, Anda Marie (Miss)	4	Boudin, Bohemia
Lande, Harry Reese	4	Chicago
Langenbahn, Phil Herman	3	South Bend, Indiana
Lazarski, Casimir Paul	2	Chicago
Leighton, Sumner Winslow	2	Chicago
Lerner, Samuel Harry	2	Chicago
Levin, Maurice	2	Chicago
Levine, Maurice Harold	2	Chicago
Lewis, Jacob Joseph	4	Chicago
Linane, Francis John	2	Chicago
Lipsey, Maurice Behr Bernard	3	Chicago
Liscom, Jason Leslie	3	Beardstown
Maki, Jeremias	3	Chicago
Malecek, Joseph Frank Jr.	2	Chicago
Marshall, Benjamin	3	Chicago
Martin, Bruce	3	Chicago
Merryman, George Thomas	1	Marshalltown, Iowa
Metcalf, Leonard Laurence	3	Streator
Middleton, Louis Richard	4	Chicago
Moldenbauer, Alfred John	4	Algonquin
Mollenkoff, Evan William	4	Convoy, Ohio
Moore, J.H., A.B.	4	Chicago
Moresky, Ben	2	New Castle, Pennsylvania
Mugerdichian, Dickran, Ph.B.	2	Harpoon, Armenia
Munns, Charles Arthur	2	Brigham, Utah
Nakadia, Mosaburo, D.D.S.	4	Japan
Neff, Eda Dee (Miss)	4	Bethany, Missouri
Neilson, Lorrin Russell, B.S.	3	Monmouth
Novak, Joseph Charles	2	Chicago
Olech, Eli	3	Chicago
Orr, Rufus Malcolm	3	Decatur
Pahl, Hans Charles, Ph.G.	2	Chicago
Palmbaum, Julius	2	Chicago
Paris, Paul James	2	Murray City, Utah
Plater, Wade Richard	2	Vienna
Plants, James Forrest	2	Faulkton, South Dakota
Raab, William Edward	3	Chicago
Rehm, Henry	3	Chicago
Rivkin, Felix*	3	Chicago
Ritter, Lyman	3	Mt. Carmel
Robbins, Edward George	2	Redfield, South Dakota
Roberts, Samuel Norton, B.S.	1	Talledega, Florida
Robeson, Foster Garnett	1	Minot, North Dakota
Rock, William Patrick	4	Dixon
Rosario, Casto Del, D.D.S.	4	Manila, Philippines
Rost, Theodore A, B.S., M.D.	1	Chicago
Sack, Joseph Alexander	2	Chicago
Saffir, Jacob Abraham	3	Chicago
Salk, Charles Maurice	2	Chicago
Saperstein, Zachery	4	Cleveland, Ohio
Saxon, Harry	2	Chicago
Schectmen, Maurice	2	Chicago
Schour, Isaac, B.S.	2	Chicago
Schuler, Raymond Charles	3	Chicago
Scott, Frank Earl	3	Mullan, Idaho
Segal, Meyer, D.D.S.	2	Brooklyn, New York
Serritella, William James	2	Chicago
Shaykin, Jacob	2	Chicago
Shore, Ginda (Miss), D.D.S.	4	Chicago
Shurtz, Charles Richard	1	Hawarden-Saskatchewan, Can.
Siemer, Frederick William	2	Carrollton
Singleton, Roscoe Elwood	2	Springfield
Skudnig, Roman Theddeus	3	Chicago
Skupa, Arthur James	2	Chicago
Smith, Robert	2	Chicago
Smollar, Samuel	2	Chicago
Speckhard, Eric George	2	Bay City, Michigan
Sroka, John Julius	3	Chicago
Stewart, Owen Mets	2	Mesa, Arizona

Stoker, Clyde Thomas	1	Salt Lake City, Utah
Strilky, Maurice	4	Chicago
Stuenkel, Ernest Charles	4	Brookfield
Sturman, Henry	4	New York City, New York
Suvoong, Charles Bartlett	1	Shanghai, China
Swain, Harold Dow	4	Chicago
Swedberg, Paul	3	Marshalltown, Iowa
Szwajkart, Eugene Walter	3	Chicago
Takahaski, Torakji, D.D.S.	4	Chicago
Toda, Satoshi, D.D.S.	4	Japan
Trovillion, Howard W	3	Metropolis
Tsuzuki, Wataru, D.D.S.	4	Tainan-Formosa, Japan
Turobinski, Tadeusz Jan ¹	3	Poland
Tylski, Walter William	2	Chicago
Uchiyama, Kozo, D.D.S.	4	Nihonbashi-Tokyo, Japan
Viezens, Harry L	2	Chicago
Wach, Edward Charles, Ph.G.	3	Chicago
Walsh, Michael Hugh	2	Gary, Indiana
Washington, Carl	1	Chicago
Wendelsdorf, Chester Willis	3	Chicago
White, Matilda (Miss)	3	Bend
Wilcox, Paul	2	Columbia City, Indiana
Willis, Herbert W	4	Joppa
Wilneff, Max	2	Chicago
Wilson, Marshall Osborne	2	Jacksonville, Florida
Wishneff, Ralph Richard	2	Chicago
Wong, Benjamin Kalf	2	Manatimo-British Columbia, Can.
Wright, Leon Alton	4	Chicago
Wygodski, Berko	1	Chicago
Yonover, Nathan	2	Tokio, Japan
Yoshida, Kiroshi, D.D.S.	4	Chicago
Young, Frank George, Jr.	3	Chicago
Zak, Edwin James	3	Chicago
Zeigler, William James, A.B.	2	Chicago
Zielinski, Joseph Bronislaw	3	Chicago
Zoellner, Gilbert Otto	2	Waupun, Wisconsin

SCHOOL OF PHARMACY

Name	Year	Residence
Africk, Abraham Mair	P 2	Chicago
Alderman, Abe Meyer	P 1	Chicago
Alexander, William Wayland	P 1	Carlinville
Alpern, William Hyman	P 1	Bay City, Michigan
Alphran, Richard Burt	P 1	St. Louis, Missouri
Anderson, Carl Eli	P 1	Chicago
Anderson, Horace Griffin	P 1	Chicago
Appel, David Maurice	P 2	Chicago
Armstrong, Garret Holden	P 1	El Paso
Armstrong, Oswald Herbert	P 1	Evanston
Arres, G. Richard	P 1	Manteno
Babcock, Fred Elmo	P 2	Alto
Babler, Clarence	P 1	Monticello, Wisconsin
Bamberg, John Jacob	P 1	Chicago
Barker, Carl	P 2	McLeansboro
Becker, Bernard	P 1	Chicago
Bennett, Neil	P 1	Ogden, Utah
Berman Charles	P 1	Chicago
Berman, Harry	P 1	Chicago
Berman, Jacob	P 1	Chicago
Bochner, Isidor	P 2	Chicago
Borucki, Alphonso William	P 2	Chicago
Brethauer, Homer John	P 1	Nashville
Brummer, Irving Max	P 1	Blue Island
Bryant, William Cullen	P 1	Gibson City
Buchanan, Clarence McKendree	P 1	Palatine
Burger, Francis Louis	P 1	Elgin
Burns, Ocie Romey	P 1	Chicago
Butler, Geraldine Paola, Mrs.	P 1	Chicago
Carpenter, Paul David	P 1	Elgin
Carson, William Douglas	P 1	Chicago
Choisser, Joseph Milton	P 1	Eldorado
Choisser, Joseph Wesley	P 1	Eldorado
Cline, Joseph Lester	P 1	Whitehall, Montana
Cochran, George Milton	P 2	Little Rock, Arkansas
Cohen, George Perry	P 1	Chicago
Cohn, Matthew	P 2	Chicago
Cremerius, David Walter	P 1	Chicago
Crodan, Lawrence LeRoy	P 1	Lake Geneva, Wisconsin
Crystal, George Orlean	P 2	Chicago
Crystal, Isidore Bernard	P 2	Chicago

¹Not in attendance.

Dalsey, David	P	1	Chicago
Dalsey, Sidney	P	1	Chicago
Davis, Jackson Calhoun	P	1	Birmingham, Alabama
De Lany, Martin Rush	P	1	Chicago
Derevny, Joseph	P	1	Chicago
Dewasme, Paul	P	1	Roanoke
Diamondstein, Pauline, Mrs.	P	1	Hammond, Indiana
Dillow, Forrest	P	1	Anna
Dombrowski, Harry Edward	P	1	Chicago
Dougherty, Joseph Downey	P	2	Ottawa
Drenning, Eugene James	P	1	Joliet
Eastabrooks, John James	P	1	Hinckley
Eaton, Olyn Edward	P	1	Du Quoin
Edelstein, Paul DeBuck	P	1	Chicago
Evangelista, Joseph Anthony, Jr.	P	1	Chicago
Feagler, Ralph Lawton	P	1	Auburn, Indiana
Feather, Fred Campbell	P	1	Galesburg
Fern, Herbert Lawrence	P	1	Vienna
Fink, Rudolph John	P	1	Chicago
Fleming, Rex	P	1	West Lebanon, Indiana
Frankowski, Matthew Henry	P	2	Whiting, Indiana
Freitag, Clarence Wilbert	P	1	Monticello, Wisconsin
Friedman, Jacob Israel	P	1	Chicago
Fry, Eugene Arthur	P	1	Chicago
Gaensslen, Julia Adelheit	P	1	Green River, Wyoming
Gassel, Sam	P	1	Chicago
Gearin, Elmer Franklin	P	1	St. Louis, Missouri
Giddings, Howard Donald	P	sp	Chicago
Giese, Stanley Edwin	P	1	Chicago
Gilmore, Roscoe William	P	1	Mattoon
Glass, Isaac Merle	P	1	Springfield
Glatt, Milton Melvin	P	1	Chicago
Gleich, Clarence Philip	P	2	Nokomis
Glickman, Michael	P	1	Chicago
Goldberg, Sidney Kane, Mrs.	P	1	Chicago
Goldsmith, Bernard Gustave	P	1	Chicago
Goldstein, David	P	1	Chicago
Goldstone, Hiram Howard	P	1	Chicago
Gorski, Stanislaus John	P	1	Chicago
Grandison, Charles	P	1	Chicago
Gregg, Paul Jennings	P	1	Carbondale
Haffner, John Henry	P	1	Bloomington
Hahn, William George	P	1	Chicago
Haller, Anna Bee	P	2	Forreston
Hammer, Viola Rose	P	1	Glencoe
Handelman, Nathan	P	1	Chicago
Hanna, Harve Walter	P	1	Chatsworth
Harris, Bernard Franklin	P	1	Chicago
Harrison, James Elsworth	P	1	Harrisburg
Havens, Charles Milton	P	2	Marengo
Herman, Mandel	P	1	Chicago
Hill, Donald Miller	P	1	Chicago
Hilton, Neil Norton	P	1	Chicago
Hodel, Elmer Martin	P	2	Freeport
Hodel, Oscar Carl	P	2	Freeport
Hoelzel, Philip	P	1	Watertown, Wisconsin
Idleman, Burley Clifton	P	1	Kansas
Indovina, Anthony Vincent	P	1	Chicago
Irving, Albert Gregg	P	1	Chicago
Jachino, John Anthony	P	1	Coal City
Jakubec, Charles Andrew	P	1	Chicago
Jindra, James Victor	P	1	Chicago
Jobusch, Lorenzo Bevans	P	1	Aledo
Johannes, Philip Edward Walter	P	sp	Chicago
Johnson, Barney S	P	2	Barron, Wisconsin
Johnson, Carl Hearn	P	2	Carbondale
Johnston, William Greer	P	1	Chicago
Jones, Rees David	P	2	Chicago
Juhnke, Rollins Edger	P	1	Kasson, Minnesota
Kane, John Clement	P	1	Chatsworth
Karzen, Harry	P	1	Chicago
Keever, Ralph Elbert	P	1	Marissa
Keren, Meyer	P	1	Chicago
Kessler, Oscar Barney	P	1	Chicago
King, William Clifford	P	1	Chicago
Kinney, Frank John	P	1	Buda
Klink, Irvin Peter	P	2	Chicago
Klocke, Edwin Pius	P	1	Rock Falls
Klowden, Harry Leonard	P	1	Chicago
Knutson, Carl Werner	P	2	Chicago
Kodera, James Charles	P	2	Chicago
Koelbel, Gerhardt Elmer	P	1	Chicago
Koontz, Victor Earl	P	2	Mound City
Krauczunas, John Julius	P	2	Chicago
Kulwinsky, Abe Mandel	P	1	Chicago
Kunka, Henry Edmund	P	2	Chicago

Kunka, Robert V	P	2	Chicago
Lacy, Isom Lawrence	P	2	Birmingham, Alabama
Laird, Russell Pulver	P	1	Joliet
Lauber, Clover Donat	P	1	Oak Park
Law, George Boyd	P	sp	Savanna
Levin, Harry Enoch	P	1	Chicago
Levy, Russell Damon	P	2	Ottawa
Lifshin, Hyman Noel	P	1	Chicago
Lindahl, Fred Washington	P	2	Waukegan
LoCelso, Salvatore Anthony	P	1	Chicago
Lorenz, Curtis Francis	P	2	Highland
Lubeck, Harry Aaron	P	1	Maywood
McGuckin, Joseph	P	1	Akron, Ohio
McNorton, Gaston Elrose	P	1	New Richmond, Ohio
McOmber, Frank Lewis	P	2	Highland Park
Maller, Benjamin	P	1	Chicago
Marek, Joseph Alois	P	1	Chicago
Markel, Raymond Paul	P	1	Aurora
Martin, John Hobert	P	1	Chicago
Meadows, Robert Clarence	P	2	Mounds
Menaker, Max M	P	1	Chicago
Mendelsohn, Philip	P	2	Chicago
Miller, George Campbell	P	1	Marion
Miller, Leslie Robert	P	1	Coal City
Mitnick, Morris	P	1	Chicago
Morello, Forrest La Verne	P	1	Abingdon
Mosley, Ensley Lewis	P	1	Daleville, Mississippi
Moss, Francis Charles	P	2	Ottawa
Mraz, Charles Ferdinand	P	1	Cicero
Mupo, Martin Eugene	P	1	Chicago
Nelson, Donald Winkler	P	1	Dwight
Newlander, Jacob	P	1	Chicago
Noble, Charles Kenneth	P	1	Rushville
Nordstrom, Albert Edward	P	1	Waukegan
Obartuch, Henry William	P	1	Chicago
Oliva, David	P	1	Chicago
Oppfelt, Glenn Alfred	P	1	Aurora
Parks, George Edwin	P	2	Anna
Parrillo, William	P	1	Chicago
Pawlowski, Stanislaus Aloyus	P	1	Chicago
Pelck, Frederick Harold	P	2	Rochelle
Phillips, George William	P	sp	Chicago
Pisano, James Joseph	P	1	Chicago
Polikoff, Maurice Albert	P	1	Chicago
Pomorantz, David	P	1	Chicago
Prihoda, John Frank	P	2	Cicero
Quong, Louis Sing	P	2	Canton, China
Rabinowitz, Maurice	P	1	Chicago
Radunsky, Maurice	P	1	Chicago
Rasmann, Margaret	P	1	Antigo, Wisconsin
Reinhard, Harold Alexis	P	sp	Mt. Carmel
Reinhart, Howard Barthell	P	1	Peoria
Reinstein, Arthur Harry	P	1	Chicago
Rene, Otis Joseph Jr.	P	1	Covington, Louisiana
Riback, Harry	P	1	Chicago
Ricketts, Marion Maurice	P	1	Forrest
Roberts, Leo Albert	P	1	Hilliboro
Roche, Gerald Carte	P	2	Delavan
Rose, Jacob	P	1	Chicago
Rosenberg, Charles	P	1	Chicago
Rosenfeld, Samuel Jacob	P	1	Chicago
Rowland, James Fred	P	1	Chicago
Rulien, Elmer	P	2	Chicago
Rutledge, Charles Emmett	P	1	Heyworth
Sayre, Walter Louis	P	1	Elgin
Scheef, Irving Harrison	P	1	La Grange
Schiff, Bernard	P	1	Chicago
Schmitt, Alfred William	P	1	Nashville
Scott, James McKinley	P	2	Pichens, Mississippi
Schroeder, Sophie Willene	P	1	Kankakee
Schwartz, Saul Blair	P	1	Chicago
Searls, Floyd Dewey	P	1	Amboy
Seidmon, Leonard George	P	1	Chicago
Shillings, Alger Adam	P	1	Chicago
Skala, Laddie Frank	P	1	Chicago
Sladky, Anton	P	2	Chicago
Sloan, Irving	P	1	Chicago
Smiley, James	P	1	Chicago
Smith, Herman Philip	P	sp	La Moille
Smith, Samuel Morris	P	1	Chicago
Soldinger, David Charles	P	1	Chicago
Stahlberg, Roy Bernard	P	2	Harrisburg
Stern, Lester Mervin	P	2	Chicago
Stogis, Frances Barbara	P	1	Chicago
Stokes, John Charles Jr.	P	1	Chicago
Stone, Sidney Manne	P	1	Chicago

Stoyanoff, Nicholas Dimetroff	P	2	Granite City
Striegel, Harold Stanis	P	1	Waterloo, Iowa
Stuchlik, Vivian Josephine	P	1	Chicago
Sullivan, Eugene Patrick	P	2	Chicago
Swanson, Perle Ferdinand	P	1	Chicago
Swinton, Albert Stanley	P	1	Chicago
Tanner, Clarence Henry	P	2	Lewisstown
Taylor, Guy Clifton	P	1	Decatur
Thomas, Arthur Bruce	P	2	Chicago
Thomas, Roderick Cecil	P	1	Du Quoin
Thompson, Arnold Albert	P	1	McLeansboro
Thompson, John Henry	P	1	Du Quoin
Thompson, Samuel Clifton	P	2	Pontiac
Tikatzky, Julius Max	P	1	Chicago
Tokarski, Cyrl Edward	P	1	Chicago
Tom, Ping	P	1	Chicago
Tomaso, Salvatore Peter	P	1	Chicago
Tompkins, Roy Earl	P	1	Waterman
Toy, Wing	P	2	Chicago
Truheart, William David	P	1	Chicago
Tuma, Frank Charles	P	1	Berwyn
Tumas, John	P	2	Chicago
Turek, Isador Edward	P	1	Chicago
Turner, Darwin Romanes	P	2	Chicago
Umenhofer, Adolph Melvin Jr.	P	1	Chicago
Underriner, Alfred Bernard	P	1	Chicago
Verrier, Arthur Henry	P	1	Effingham
Vidano, John	P	1	Antioch
Wabel, Ralph Alva	P	1	Coal City
Wabel, Leslie Thomas	P	1	Henry
Warczak, Frank Albert	P	2	Chicago
Watrous, Edwin Davis Baker	P	1	Hampshire
Webster, George Lewis	P	2	Maquoketa, Iowa
Weinstein, Julius	P	1	Chicago
Wenisch, Harry Arthur	P	1	Chicago
Westenberger, Fred George	P	1	Chicago
Wester, Edward Alfred	P	1	Chicago
Wiedman, Clem Joseph	P	sp	Effingham
Wild, Harold Alfred	P	1	Joliet
Wilson, Edith Read	P	1	Chicago
Winsberg, Harold	P	1	Chicago
Wolf, Isadore	P	1	Chicago
Wolfe, Cecil Dewey	P	2	Du Quoin
Workman, Maurice Clifflly	P	sp	Flora
Young, Royal Araville	P	1	Monroe City, Missouri
Zielinski, Harry Peter	P	1	South Chicago
Zirwes, Howard	P	1	Chicago

EXTRA-MURAL COURSES IN INDUSTRIAL EDUCATION FOR TRAINING OF TEACHERS UNDER THE FEDERAL VOCATIONAL EDUCATION ACT

At the present time the University of Illinois is offering at five local centers—in Aurora, Chicago, Cicero, Joliet and Springfield—extra-mural courses in industrial education for the training of teachers under the Federal Vocational Education Act, including courses for shop teachers, and courses for teachers of general continuation subjects.

Abbreviations

G. C. General Continuation Teachers' Course.

S.I.E. Survey of Industrial Education.

Name	Curriculum	Center	Address
Abrams, William	G.S.	Chicago	Chicago
Anderson, Oscar W	S.I.E.	Rockford	Rockford
Annis, Arthur A	S.I.E.	Rockford	Rockford
Annis, Evan C	S.I.E.	Rockford	Rockford
Armour, Charles R	S.I.E.	Rockford	Rockford
Ashley, George E	G.S.	Chicago	Chicago
Austin, Steven Edson	G.S.	Chicago	Chicago
Babcock, Margaret	G.S.	Chicago	Chicago
Bagby, Robert D	G.S.	Chicago	Chicago
Balsley, Marion C	S.I.E.	Rockford	Rockford
Bauman, Edward G	G.S.	Chicago	Chicago
Benson, Helen D	G.S.	Chicago	Chicago
Bjorge, Thomas	S.I.E.	Rockford	Rockford
Boden, Iver A	S.I.E.	Rockford	Rockford
Brewster, Willmer Edwin	S.I.E.	Rockford	Rockford
Brock, Herman J	G.S.	Chicago	Harvey
Butts, Mollie D	G.S.	Chicago	Chicago
Byrne, May B	G.S.	Chicago	Chicago
Caravello, Carl	G.S.	Chicago	Chicago
Carlson, Victoria A	S.I.E.	Rockford	Rockford

Casberg, Carl H	S.I.E.	Rockford	Rockford
Cassidy, Rose	S.I.E.	Rockford	Rockford
Cooney, William J	G.S.	Chicago	Chicago
Cramer, Carl C	S.I.E.	Rockford	Rockford
Crannell, William P	G.S.	Chicago	Chicago
Crowell, John	G.S.	Chicago	Chicago
Daliri, Judith H	S.I.E.	Rockford	Rockford
D'Armond, Luther B	G.S.	Chicago	Chicago
Dohren, Henry Richard	G.S.	Chicago	Chicago
Drucek, G P	G.S.	Chicago	Chicago
Elsner, Amelia	G.S.	Chicago	Chicago
Evans, William A	G.S.	Chicago	Chicago
Fassett, Eunice	G.S.	Chicago	Chicago
Fiddick, C A	S.I.E.	Rockford	Rockford
Field, Alfred Cecil	S.I.E.	Rockford	Rockford
Fiscus, Isabelle Underwood	G.S.	Chicago	Chicago
Fitzgerald, Margaret M	G.S.	Chicago	Chicago
Flynn, Ella M	G.S.	Chicago	Chicago
Fox, James R	S.I.E.	Rockford	Rockford
Fritsch, Edwin Albert	G.S.	Chicago	Chicago
Goodwin, Nona E	G.S.	Chicago	Chicago
Gregory, Lydia E	S.I.E.	Rockford	Rockford
Griesbach, Harry B	G.S.	Chicago	Chicago
Hanselman, Walter F	G.S.	Chicago	Chicago
Hansen, John C	G.S.	Chicago	Chicago
Haupt, Mrs. W H	S.I.E.	Rockford	Rockford
Haupt, W H	S.I.E.	Rockford	Rockford
Hays, Catherine	G.S.	Chicago	Chicago
Hill, Warren E	G.S.	Chicago	Chicago
Holmen, Seymour E B	G.S.	Chicago	Chicago
Hull, Ernest W	S.I.E.	Rockford	Rockford
Hunter, B J	S.I.E.	Rockford	Rockford
Johnson, William A	G.S.	Chicago	Chicago
Kealar, Adolf	G.S.	Chicago	Chicago
King, Anne F	S.I.E.	Rockford	Rockford
Krauss, B F	G.S.	Chicago	Chicago
Krieg, Irma E	G.S.	Chicago	Chicago
Larsen, George Henry	S.I.E.	Rockford	Rockford
Lockwood, Willoughby C	G.S.	Chicago	Chicago
Luehr, Lorena	G.S.	Chicago	Chicago
McCann, Harrison E	S.I.E.	Rockford	Rockford
McClelland, Frank C	G.S.	Chicago	Chicago
McClelland, Mary L	G.S.	Chicago	Chicago
McEvoy, Elizabeth C	S.I.E.	Rockford	Rockford
Maitland, H C	S.I.E.	Rockford	Rockford
Mansell, Lyman B	G.S.	Chicago	Chicago
Markland, R V	G.S.	Chicago	Chicago
Meade, James A	G.S.	Chicago	Chicago
Michel, H F	G.S.	Chicago	Chicago
Miller, Don E	S.I.E.	Rockford	Rockford
Miller, William Albert	G.S.	Chicago	Chicago
Moore, Ferdinand M	G.S.	Chicago	Chicago
Moore, John H	G.S.	Chicago	Chicago
Morse, Mrs. Gertrude E	G.S.	Chicago	Chicago
Mueller, Elsa A	G.S.	Chicago	Chicago
Munch, H F	S.I.E.	Rockford	Rockford
Nashold, William F	S.I.E.	Rockford	Rockford
Oberg, A L	S.I.E.	Rockford	Rockford
Overstead, E A	S.I.E.	Rockford	Rockford
Paine, Amy Leigh	G.S.	Chicago	Chicago
Penrose, Ray G	G.S.	Chicago	Chicago
Pettet, Paul W	G.S.	Chicago	Elmhurst
Price, Frederick E	G.S.	Chicago	Chicago
Robeson, C O	S.I.E.	Rockford	Rockford
Rodgers, Madge[G	G.S.	Chicago	Chicago
Ryan, Nellie F	G.S.	Chicago	Chicago
Samelius, W H	G.S.	Chicago	Chicago
Sazama, Joseph Elias	G.S.	Chicago	Chicago
Scherbarth, Ellen M	G.S.	Chicago	Chicago
Schladweiler, Mary Frances	G.S.	Chicago	Chicago
Schneider, John E	S.I.E.	Rockford	Rockford
Schneider, Paul	G.S.	Chicago	Chicago
Schreuder, Arthur N	G.S.	Chicago	Chicago
Shank, Allen L	S.I.E.	Rockford	Rockford
Sholtz, John	G.S.	Chicago	Chicago
Steele, Jessie	G.S.	Chicago	Chicago
Stevenson, Nora Belle	G.S.	Chicago	Chicago
Stone, Jessie R	G.S.	Chicago	Chicago
Swanson, Frederick E	S.I.E.	Rockford	Rockford
Taylor, Edward T	G.S.	Chicago	Chicago
Teenwen, Marinus H	S.I.E.	Rockford	Rockford
Telander, W A	S.I.E.	Rockford	Rockford
Thompson, J W	G.S.	Chicago	Chicago
Thompson, Theodore Elmer	G.S.	Chicago	Chicago
Trefz, William A	S.I.E.	Rockford	Rockford

Trumbull, Frederick M	S.I.E.	Rockford	Rockford
Unnewehr, C A	G.S.	Chicago	Chicago
Vincent, Harriet L	G.S.	Chicago	Chicago
Walsh, Elizabeth F	G.S.	Chicago	Chicago
Wickham, W W	S.I.E.	Rockford	Rockford
Wilson, Seth C	G.S.	Chicago	Chicago
Young, Mildred E	G.S.	Chicago	Chicago
Zeisler, Helen L	G.S.	Chicago	Chicago

DEGREES CONFERRED

1921

Degrees are conferred at four times in the year, as follows: (1) at the end of the first semester, in February; (2) at the end of the second semester, in June; (3) at the end of the Summer Session, in August; (4) in October. Unless otherwise stated, the degrees in the following lists were conferred on June 15, 1921.

THE UNDERGRADUATE COLLEGES

(Degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Music)

PAUL GILBERT ADAMS, Bachelor of Science (Agriculture)¹
RICHARD LEWIS ALDRICH, Bachelor of Arts, (Liberal Arts)²
LUCILE ALLEN, Bachelor of Science (Home Economics)
THEODORE RAYMOND ALLEN, Bachelor of Science (Agriculture)¹
JOHN CLAUDE ALLMAN, Bachelor of Science (Civil Engineering)
NORMAN BARNES ALLYN, Bachelor of Science (Commerce)²
ADDIE ELIZABETH AMSBARY, Bachelor of Arts (Liberal Arts)
ELIZABETH CAROLYN ANDERSON, Bachelor of Science (Home Economics)
JOSHUA CLAYTON ANDERSON, Bachelor of Science (Agriculture)¹
WINFIELD SCOTT ANDERSON, Bachelor of Science (Electrical Engineering)
JOHN WILLIAM APPLING, Bachelor of Science (Chemistry)²
JOHN EUGENE ARMES, Bachelor of Science (Commerce)
DOROTHY MARION ARMOUR, Bachelor of Arts (Liberal Arts)
FREDERICK CARROLL ARMSTRONG, Bachelor of Science (Electrical Engineering)
AMBROSE ALLEN ARNOLD, Bachelor of Science, (Chemistry)²
CHARLES VINCENT ARNOLD, Bachelor of Science, (Agriculture)
DEAN MOXLEY ARNOLD, Bachelor of Science (Architectural Engineering)
JOHN WILLIAM ARNOLD, Bachelor of Arts (Liberal Arts)
ORVILLE DAYTON ARNOLD, Bachelor of Arts (Liberal Arts)
WILLIAM STRUDWICK ARRASMITH, Bachelor of Science (Architecture)
MARGARET JANE BABCOCK, Bachelor of Music²
EARL BOGCESS BAKER, Bachelor of Science (Ceramic Engineering)
JOHN BABCOCK BAKER, Bachelor of Science (Chemical Engineering)²
ALVENA BAMBERGER, Bachelor of Science (Liberal Arts)
EMMA ELIZABETH BARKLEY, Bachelor of Science (Education)
ESTHER ELIZABETH BARNES, Bachelor of Science (Landscape Gardening)
CHARLES HENRY BARTLETT, Bachelor of Science (Civil Engineering)
FLORENCE ANNE BASH, Bachelor of Arts (Liberal Arts)
ANNE ADELINE BATTERTON, Bachelor of Science (Home Economics)
LESLIE JAMES BATTEY, Bachelor of Science (Electrical Engineering)
GEORGE HUMPHREY BAUM, Bachelor of Science (Commerce)¹
WALTER EMERSON BAUS, Bachelor of Science (Chemistry)⁴
EDWIN BAY, Bachelor of Science (Agriculture)
DONALD ECKHART BEAN, Bachelor of Arts (Liberal Arts)
MARSHALL ARTHUR BEARD, Bachelor of Science (Commerce)
HENRY SCOVELL BEARDSLEY, Bachelor of Science (Agriculture)
LEE ROY BEAUMAN, Bachelor of Science (Electrical Engineering)
LOIS ELLEN BEEBY, Bachelor of Arts (Home Economics)
HARRY LOUIS BEEKMAN, Bachelor of Science (Commerce)
FORD ELVEN BELT, Bachelor of Science (Agriculture)
EMILY MAY BENNETT, Bachelor of Arts (Home Economics)
MERRILL PHILIP BENSON, Bachelor of Science (Civil Engineering)
HOWARD HUTSON BENTLEY, Bachelor of Science (Commerce)
HENRY GEORGE BERGER, Bachelor of Science (Chemistry)²
WILLIAM BERGH, Bachelor of Science (Commerce)⁴
EDGAR HUBERT BERNERS, Bachelor of Science (Architectural Engineering)
KENNETH CRAWFORD BERRY, Bachelor of Arts (Liberal Arts)
LAWRENCE JOSEPH BERRY, Bachelor of Science (Agriculture)
JULIA FRANCES BEST, Bachelor of Arts (Liberal Arts)
CHARLOTTE ELIZABETH BIESTER, Bachelor of Arts (Home Economics)
WERNER FREDERICK VON BINZER, Bachelor of Science (Commerce)
HELEN FERN BLACK, Bachelor of Arts (Liberal Arts)
MARY BLACKARD, Bachelor of Arts (Liberal Arts)
ALFRED WATSON BLACKMAN, Bachelor of Science (Agriculture)
OLIVE MAY BLEVINS, Bachelor of Arts (Liberal Arts)⁴
WALTER PUTMAN BLOUNT, Bachelor of Arts (Liberal Arts)
ANNA HARRIET BLY, Bachelor of Science (Commerce)
ARTHUR HAROLD BODENSCHATZ, Bachelor of Science (Mechanical Engineering)¹
MILFORD COATS BOICE, Bachelor of Science (Electrical Engineering)¹
ESTHER LYDIA ADELA BOSOLD, Bachelor of Arts (Liberal Arts)
FLOYD WALTON BOWMAN, Bachelor of Science (Agriculture)
JOHN RUSSELL BOYLE, Bachelor of Science (Mechanical Engineering)
RUTH FRANCES BOYLE, Bachelor of Arts (Liberal Arts)
DWIGHT FUNK BRACKEN, Bachelor of Science (Agriculture)

¹Degree conferred February 18, 1921.

²With thesis.

³Degree conferred October 12, 1921.

⁴Degree conferred August 13, 1921.

MARGARET DOTEN BRAUCHER, Bachelor of Arts (Liberal Arts)¹
 (MRS.) MARIE RENFREW BRECKENRIDGE, Bachelor of Science (Home Economics)
 ABRAHAM MEYER BREMER, Bachelor of Science (Commerce)²
 ARILD MORIN BRENNE, Bachelor of Science (Mechanical Engineering)
 HARVEY EDGAR BREWBAKER, Bachelor of Science (Agriculture)
 LYLE COLEMAN BRIDGFORD, Bachelor of Science (Agriculture)³
 ROSE DORIS BRIEM, Bachelor of Arts (Liberal Arts)
 DOROTHY FRANCES BRIGGS, Bachelor of Arts (Liberal Arts)
 FRED MICHAEL BRODFUEHRER, Bachelor of Science (Agriculture)
 CLARENCE LOUIS BROOK, Bachelor of Science (Electrical Engineering)³
 CHESTER ALEXANDER BROOKS, Bachelor of Science (Agriculture)
 MYBERT EUSTACE BROOM, Bachelor of Arts (Liberal Arts)²
 GLEN AMOS BROUGH, Bachelor of Arts (Liberal Arts)²
 ERA DAVID BROWN, Bachelor of Science (Education)
 PAUL MAURICE BROWN, Bachelor of Science (Commerce)³
 WALLACE WINTHROP BROWN, Bachelor of Arts (Liberal Arts)
 FRANCIS ERLE BRYA, Bachelor of Science (Commerce)
 PHILIP BARNETT BUCKY, Bachelor of Science (Mining Engineering)
 JANARDAN SAHASRA BUDHE, Bachelor of Science (Agriculture)¹
 JAMES BROWN BURGEE, Bachelor of Science (Commerce)
 PAUL BROWN BURLEY, Bachelor of Science (Electrical Engineering)²
 WILLIAM REESE BURNELL, Bachelor of Science (Electrical Engineering)³
 JOSEPHINE MAE BURNHAM, Bachelor of Arts (Liberal Arts)
 JOSEPHINE BURT, Bachelor of Science (Landscape Gardening)
 LLOYD WESLEY BUSH, Bachelor of Science (Education)
 ALFRED LINDLEY BUTTERWORTH, Bachelor of Science (Commerce)
 DONALD MORRISON BYERS, Bachelor of Arts (Liberal Arts)⁴
 BHUPENDRA NATH BYSACK, Bachelor of Science (Commerce)
 EDUARDO G ADAVELE, JR., Bachelor of Science (Mechanical Engineering)
 OSCAR WILLIAM CAGANN, Bachelor of Science (Commerce)³
 SAUL SOLKIND CALLNER, Bachelor of Science (Chemical Engineering)²
 MILDRED IONE CALLOWAY, Bachelor of Arts (Liberal Arts)
 HERBERT ORION CALVERY, Bachelor of Arts (Liberal Arts)¹
 MARGARET CAMPBELL, Bachelor of Science (Home Economics)
 NIGEL DOVELL CAMPBELL, Bachelor of Arts (Liberal Arts)
 JOSEPH WILLIAM CANNON, JR., Bachelor of Arts (Liberal Arts)
 REUBEN GODFREY CARLSON, Bachelor of Science (Agriculture)
 HARRIS BURMAN CARR, Bachelor of Science (Commerce)
 GERALD HEWES CARSON, Bachelor of Arts (Liberal Arts)¹
 FREDERICK ELMER CARVER, Bachelor of Science (Agriculture)
 GEORGE ROLLIN CASEY, Bachelor of Science (Mechanical Engineering)
 CLAUDIA CAROLINE CASSIDY, Bachelor of Arts (Liberal Arts)
 GEORGE GRATTON CASSIDY, Bachelor of Science (Landscape Gardening)
 RICHARD LLOYD CASTLE, Bachelor of Science (Commerce)
 JOSEPH BERNARD CATANZARO, Bachelor of Science (Mechanical Engineering)
 FRED ROY CATTELL, Bachelor of Science (Commerce)⁴
 MILES DEWEY CATTON, Bachelor of Science (Civil Engineering)
 HAROLD JESSE CAWTHORNE, Bachelor of Arts (Liberal Arts)
 DELOS MAURICE CHALCRAFT, Bachelor of Science (Agriculture)
 EDWIN ROMICK CHANDLER, Bachelor of Science (Floriculture)
 CARROLL GAYTON CHASE, Bachelor of Arts (Liberal Arts)
 JOSEPH HAROLD CHASE, Bachelor of Science (Agriculture)²
 HURLBERT CRAIG CHEEVER, Bachelor of Science (Architecture)
 TSAI CHUN CHEN, Bachelor of Science (Agriculture)
 CHING-FU CHOU, Bachelor of Science (Agriculture)
 MAE CHRISTY, Bachelor of Arts (Liberal Arts)
 WEI CHEN CHUNG, Bachelor of Arts (Liberal Arts)³
 BRUCE BYRNE CLARK, Bachelor of Science (Agriculture)²
 KENNETH WOODYARD CLARK, Bachelor of Arts (Liberal Arts)
 TALBERT LLOYD CLARK, Bachelor of Science (Agriculture)⁴
 THOMAS EDWARD CLARK, Bachelor of Science (Mechanical Engineering)
 WALTER JAMES CLARKE, Bachelor of Science (Agriculture)
 WARREN EDDY CLEVELAND, Bachelor of Science (Mechanical Engineering)
 CLARENCE WILLIAM CLEWORTH, Bachelor of Science (Railway Electrical Engineering)
 ARTHUR BUCKLEY CLOSE, Bachelor of Science (Agriculture)²
 PAUL DUNHAM CLOSE, Bachelor of Science (Mechanical Engineering)²
 EVERETT LEROY CLOVER, Bachelor of Science (Agriculture)
 JOHN MITCHELL CLYNE, Bachelor of Science (Commerce)
 IVAN WALKER COAN, Bachelor of Science (Agriculture)
 GILBERT EMLYN COCHRAN, Bachelor of Science (Commerce)
 BERYL DAVID COHON, Bachelor of Arts (Liberal Arts)
 FANNIE ALICE COLDREN, Bachelor of Arts (Liberal Arts)³
 STEVEN EARL COLE, Bachelor of Science (Commerce)
 ESTHER MARIE COLVIN, Bachelor of Arts (Liberal Arts)³
 LENORE ADELE CONDE, Bachelor of Arts (Liberal Arts)
 JOHN HAL CONNOR, Bachelor of Arts (Liberal Arts)⁴
 EMMA LORRAINE CONRAD, Bachelor of Arts (Liberal Arts)
 HAZEL PORTERFIELD CONRAD, Bachelor of Arts (Home Economics)³
 MORRIS HENRY COOK, Bachelor of Science (Electrical Engineering)
 SEYMOUR HOUGHTON COOK, Bachelor of Science (Chemical Engineering)
 ANNA COOLLEY, Bachelor of Science (Commerce)

¹With thesis.²Degree conferred February 18, 1921.³Degree conferred August 13, 1921.⁴Degree conferred October 12, 1921.

FAY MAXEY COOPER, Bachelor of Arts (Liberal Arts)
 IRA OTHO COPES, JR., Bachelor of Science (Agriculture)
 RALPH CONNOR CORLEY, Bachelor of Arts (Liberal Arts)
 PAUL DREW CORNELISEN, Bachelor of Science (Electrical Engineering)
 HELEN MARY CORY, Bachelor of Arts (Liberal Arts)
 PAUL V. COTTINGHAM, Bachelor of Science (Civil Engineering)
 RICHARD DAVID COUGHANOUR, Bachelor of Arts (Liberal Arts)
 GEORGE FREDERICK COURTNEY, Bachelor of Science (Liberal Arts)
 IRA JAY COVEY, Bachelor of Science (Commerce)
 THELMA RUTH CRACKEL, Bachelor of Arts (Liberal Arts)
 ALVA WILFRED CRAVER, Bachelor of Science (Agriculture)
 CHARLES MATTHEW CRAWFORD, Bachelor of Arts (Liberal Arts)
 MAURICE CROUSHORN CREW, Bachelor of Arts (Chemistry)¹
 CHLORUS WILLIAM CRICKMAN, Bachelor of Science (Agriculture)
 WILLIAM FRANKLIN CRILL, Bachelor of Science (Agriculture)
 GEORGE WILLIAM CROMER, Bachelor of Science (Chemistry)²
 WALTER CLYDE CROXTON, Bachelor of Science (Education)
 RALPH EMERSON CULTER, Bachelor of Science (Commerce)
 IRA ROBERTS CUMMINGS, Bachelor of Science (Electrical Engineering)
 LAWRENCE JENKS CURRIER, Bachelors of Arts (Commerce)
 KENNETH BRUCE CUSHMAN, Bachelor of Science (Agriculture)
 RUBY CHRISTINE DAHLQUIST, Bachelor of Arts (Liberal Arts)
 STEWART DERRY DANIELS, Bachelor of Science (Commerce)³
 SAMUEL DAWSON DARLEY, Bachelor of Science (Agriculture)
 WARREN FERNE DARNALI, Bachelor of Science (Commerce)³
 FRED ALEXANDER DAVIDSON, Bachelor of Science (Agriculture)
 BERYL JAVIS, Bachelor of Science (Commerce)
 CHARLES JESSE DAVIS, Bachelor of Science (Mechanical Engineering)
 HAROLD McDONALD DAVIS, Bachelor of Science (Education)⁴
 HERBERT SPENCER DAVIS, Bachelor of Arts (Liberal Arts)³
 MARY LUCILE DAVIS, Bachelor of Arts (Home Economics)
 PLYNN MONROE DECKER, Bachelor of Science (Agriculture)
 WILLIAM SEABER DEEMING, Bachelor of Science (Commerce)
 WILLIAM BENTON DEGROOT, Bachelor of Science (Agriculture)
 MARY LOU DENTON, Bachelor of Science (Liberal Arts)
 JOHN CLARENCE DEPLER, Bachelor of Science (Commerce)
 WILLIAM RUSH DICE, Bachelor of Science (Commerce)
 FRANK GREENE DICKINSON, Bachelor of Arts (Liberal Arts)
 WILFRED AUGUST DIESEL, Bachelor of Science (Commerce)
 STERLING MILLER DIETRICH, Bachelor of Science (Commerce)
 HARRY LOUIS DIXON, Bachelor of Science (Floriculture)
 MARIE JEWELL DOBYS, Bachelor of Arts (Liberal Arts)
 ROBERT FRANCIS DOPPEL, Bachelor of Science (Mechanical Engineering)
 ROBERTA JOSEPHINE DOISY, Bachelor of Arts (Liberal Arts)
 VERNON A. DOLBY, Bachelor of Science (Architectural Engineering)
 ADA ELIZABETH DONAHUE, Bachelor of Arts (Liberal Arts)³
 ROBERT JENNINGS DONALSON, Bachelor of Science (Electrical Engineering)
 PHILIP HENRY DONOHUE, Bachelor of Science (Electrical Engineering)
 RUTH DORON, Bachelor of Arts (Liberal Arts)⁴
 WALTER HARPER DORSETT, Bachelor of Science (Agriculture)⁴
 HELEN REBECCA DOWNING, Bachelor of Arts (Liberal Arts)
 MYRON DAY DOWNS, Bachelor of Science (Landscape Gardening)
 ROBERT JOSEPH DRAKE, Bachelor of Science (Commerce)³
 LESLIE ARTHUR DREW, Bachelor of Science (Electrical Engineering)
 DAMON WILBUR DRIVER, Bachelor of Science (Agriculture)
 PAUL MICHAEL DUFFIE, Bachelor of Science (Commerce)¹
 CLARA FORBES DUNSETH, Bachelor of Arts (Liberal Arts)
 RUTH IRENE DUNSETH, Bachelor of Arts (Home Economics)
 WALTER SALEM DYAN, Bachelor of Science (Agriculture)
 EDWIN ARTHUR DYSON, Bachelor of Science (Commerce)
 ELLEN GRACE DYSTRUP, Bachelor of Arts (Home Economics)
 RUTH EATON, Bachelor of Arts (Liberal Arts)⁴
 WILLIAM JOHN EATON, Bachelor of Science (Education)
 WILLIAM LOWE EATON, JR., Bachelor of Arts (Liberal Arts)¹
 GEORGE HENRY EBERSPACHER, Bachelor of Science (Commerce)
 LOTHAR ALFONSO EDERER, Bachelor of Science (Commerce)
 TERRY WARREN EDWARDS, Bachelor of Science (Mechanical Engineering)
 THEODORE FRANK ELSZNER, Bachelor of Science (Commerce)
 VELDA ROSALYN ELDER, Bachelor of Arts (Liberal Arts)
 LAWRENCE WASHINGTON ENGLE, Bachelor of Science (Agriculture)³
 GEORGE WASHINGTON ENGLISH, JR., Bachelor of Science (Commerce)
 MELVILLE YORK ENTART, Bachelor of Science (Chemistry)
 MARIE EPPINGER, Bachelor of Science (Education)³
 MAURICE WILLARD EVANS, Bachelor of Science (Commerce)⁴
 HARMON EDWIN EVELAND, Bachelor of Science (Liberal Arts)
 SELMA ANNA EVERSOLE, Bachelor of Arts (Liberal Arts)
 HERBERT NATHANIEL EWING, Bachelor of Science (Commerce)
 ALEX FABRY, Bachelor of Science (Chemical Engineering)²
 LAWRENCE BOWIE FAIRBANKS, Bachelor of Science (Commerce)¹
 EDITH LOUISE FAIRFIELD, Bachelor of Science (Commerce)
 DOUGLAS RICHARDS FAT, Bachelor of Science (Commerce)

¹Degree conferred August 13, 1921.

²With thesis.

³Degree conferred October 12, 1921.

⁴Degree conferred February 18, 1921.

HARRIET AMELIA FERA, Bachelor of Arts (Liberal Arts)
 DAVID EDWARDS FIELD, Bachelor of Science (Architectural Engineering)
 DOROTHY FINNEY, Bachelor of Arts (Liberal Arts)
 RAYMOND SIMS FIREBAUGH, Bachelor of Science (Agriculture)
 FERRIS EARL FISHER, Bachelor of Science (Agriculture)
 GREENE SMITH FITZHUGH, Bachelor of Science (Commerce)
 ELINOR BERTHA FLAGG, Bachelor of Science (Education)
 ARTHUR ISAAC FLEMING, Bachelor of Science (Agriculture)
 STEPHEN JAMES FLEMING, Bachelor of Science (Agriculture)
 GORDON VAN BUREN FLETCHER, Bachelor of Arts (Liberal Arts)
 RALPH EMERSON FLETCHER, Bachelor of Science (Commerce)
 ROBERT HARRY FLETCHER, Bachelor of Arts (Liberal Arts)
 RALPH WALDO FOLGER, Bachelor of Science (Chemistry)¹
 MILDRED LAURETTA FOLK, Bachelor of Arts (Liberal Arts)²
 DAVID FONSECA, Bachelor of Science (Civil Engineering)²
 MANUEL FONSECA, Bachelor of Science (Agriculture)¹
 BONNIE PEARL FORTNEY, Bachelor of Science (Liberal Arts)²
 GERWYN GEORGE FOSTER, Bachelor of Science (Architecture)²
 ISAAC OWEN FOSTER, Bachelor of Science (Education)¹
 ROHDA WILDA FOSTER, Bachelor of Arts (Liberal Arts)
 INEZ ANNA FREDERICK, Bachelor of Science (Home Economics)
 IRETA GRACE FREY, Bachelor of Arts (Liberal Arts)
 CARL GUSTAV FRIEBEL, Bachelor of Science (Architectural Engineering)
 EDGAR JOHN FRIEDRICH, Bachelor of Science (Commerce)
 PAULINE CHAPMAN FRIER, Bachelor of Arts (Liberal Arts)
 MARTIN FRISCH, Bachelor of Science (Mechanical Engineering)
 ARTHUR GUSTAV FROEBLY, Bachelor of Science (Commerce)
 KENNETH THOMAS W FROST, Bachelor of Science (Commerce)
 RUTH MYRTLE FRULAND, Bachelor of Arts (Liberal Arts)²
 CLARA FUHR, Bachelor of Science (Education)¹
 JAMES HENSEN FULWIDER, Bachelor of Arts (Liberal Arts)
 IRVIN MILTON FUNK, Bachelor of Science (Commerce)
 REIDAR BASTAIN GAARDER, Bachelor of Science (Agriculture)²
 FLORENCE GERTRUDE GALLENTINE, Bachelor of Arts (Liberal Arts)
 ALMA LYDIA GALSTER, Bachelor of Arts (Liberal Arts)²
 VIRGIL ARNETT GANT, Bachelor of Science (Liberal Arts)¹
 WILLIAM LLOYD GARD, Bachelor of Science (Education)²
 ELIZA BONITA GARMAN, Bachelor of Science (Commerce)
 SHERMAN SCOTT GARRETT, Bachelor of Arts (Liberal Arts)
 BENJAMIN ST. JOHN GARVEY, Bachelor of Science (Chemistry)¹
 LOUIS JOSEPH GEIERMANN, Bachelor of Science (Civil Engineering)²
 ARTHUR VERNON GEMMILL, Bachelor of Science (Chemical Engineering)¹
 ARTHUR LAWRENCE GENUNG, Bachelor of Arts (Liberal Arts)
 WAYNE FULTON GIBBS, Bachelor of Science (Commerce)
 JAMES DICK GIBSON, Bachelor of Science (Commerce)
 IVAN C GILL, Bachelor of Science (Agriculture)²
 JEAN NEVA GLENN, Bachelor of Arts (Liberal Arts)
 PERRY A GLICK, Bachelor of Arts (Liberal Arts)²
 PHILLIP PERCY GLICK, Bachelor of Science (Mechanical Engineering)
 NANSEN GLIDDEN, Bachelor of Science (Agriculture)
 MYRON CHESTER GODDARD, Bachelor of Arts (Liberal Arts)⁴
 ANNE VREELAND GOEBEL, Bachelor of Arts (Liberal Arts)
 JOHN ALONZO GOFF, Bachelor of Science (Mechanical Engineering)
 FLOYD WILLIAM GOLDER, Jr., Bachelor of Science (Commerce)²
 ALFONSO ARZAPOLLO GOMEZ, Bachelor of Science (Architectural Engineering)⁴
 MERTON MCKINLEY GOOD, Bachelor of Science (Commerce)
 FLOYD ORMUND GOODWILL, Bachelor of Science (Commerce)
 HAZEL AUGUSTA GORDON, Bachelor of Arts (Home Economics)
 RUSSEL LOWELL GORDON, Bachelor of Science (Commerce)²
 ROY ELTIS GORE, Bachelor of Arts (Liberal Arts)²
 RALPH HENRY GORRELL, Bachelor of Science (Commerce)
 HENRY HAMILTON GOSS, Bachelor of Science (Agriculture)
 LORN MATHIAS GOSSETT, Bachelor of Science (Commerce)
 CLIFFORD BURT GOULD, Bachelor of Science (Commerce)
 VICTOR LEIGHTON GOULD, Bachelor of Arts (Liberal Arts)¹
 LAWRENCE EBEN GOWER, Bachelor of Science (Agriculture)
 ARTHUR MARTIN GRASSE, Bachelor of Science (Mechanical Engineering)
 KLINE GRAY, Bachelor of Science (Electrical Engineering)
 RALSTON DART GRAY, Bachelor of Science (Education)⁴
 HERSHEL SAMUEL GREEN, Bachelor of Arts (Liberal Arts)
 HAROLD NATHAN GREENE, Bachelor of Science (Agriculture)
 SCOTT CORWITH GREENE, Bachelor of Science (Commerce)
 OTTO GRESSENS, Bachelor of Science (Commerce)
 ANDRUS OLIVER GRIFFITH, Bachelor of Science (Commerce)
 RACHEL MARY GRIFFITH, Bachelor of Music¹
 JEROME BRUNER GRIGG, Bachelor of Science (Commerce)
 CHARLES HAROLD GROVES, Bachelor of Science (Commerce)²
 ERNESTO JEAN GUARDIA, Bachelor of Science (Architectural Engineering)²
 HENRY ALEXANDER GULLEY, Bachelor of Science (Mechanical Engineering)²
 MINNIE CAROL GUMM, Bachelor of Arts (Liberal Arts)⁴
 EDNA MYRTLE MADELINE GUSTAFSON, Bachelor of Arts (Liberal Arts)

¹With thesis.²Degree conferred February 18, 1921.³Degree conferred October 12, 1921.⁴Degree conferred August 13, 1921.

JOHN HILMER GUSTAFSON, Bachelor of Science (Architectural Engineering)¹
 IVAN LYLE HAAG, Bachelor of Science (Chemistry)²
 LOUIS HADELMAN, Bachelor of Science (Municipal and Sanitary Engineering)
 BERNARD ANTHONY HAGAN, Bachelor of Science (Mechanical Engineering)³
 HELEN LUCILE HAGAN, Bachelor of Arts (Liberal Arts)
 HUGH FISHER HALL, Bachelor of Science (Agriculture)
 ERNEST LUDWIG HALLBAUER, Bachelor of Science (Mining Engineering)
 DOROTHY MAY HAMER, Bachelor of Arts (Home Economics)
 WARREN CATLIN HAMILL, Bachelor of Science (Commerce)
 RALPH KENNEY HAMILTON, Bachelor of Science (Chemistry)¹
 RUTH FLORENCE HAMMOND, Bachelor of Arts (Home Economics)
 BEULAH FREDERICKA HAMPSON, Bachelor of Science (Home Economics)
 WILLIAM THOMAS HARDING, Bachelor of Science (Chemistry)²
 HELEN WATTS HARLAND, Bachelor of Arts (Home Economics)
 WILLIAM PEREZ HARPER, Bachelor of Science (Electrical Engineering)¹
 J G HARRINGTON, Bachelor of Science (Civil Engineering)
 HUGH BROOKS HARRISON, Bachelor of Science (Commerce)
 RUTH HARRISON, Bachelor of Science (Home Economics)
 HANSON WRIGHT HARTS, Bachelor of Arts (Liberal Arts)³
 ROBERT LOCKE HASBROOK, Bachelor of Science (Commerce)¹
 ROY HASENPLUG, Bachelor of Science (Electrical Engineering)
 HELEN LUCILE HASTINGS, Bachelor of Arts (Liberal Arts)
 HARLOD EUGENE HAYWARD, Bachelor of Arts (Liberal Arts)⁴
 JEANETTE HEATON, Bachelor of Arts (Liberal Arts)¹
 HERMOUN CONRAD HECKEL, Bachelor of Science (Chemistry)³
 MARGARET HEDGE, Bachelor of Arts (Liberal Arts)
 SIMION EDWARD HEILBRON, Bachelor of Arts (Liberal Arts)
 WALTON CHAMP HELPER, Bachelor of Science (Agriculture)
 HILARION GENSOLE HENARES, Bachelor of Science (Mechanical Engineering)⁴
 THOMAS EDWARD HENLEY, Bachelor of Science (Agriculture)
 MABEL FRANCES HENRY, Bachelor of Arts (Home Economics)
 JEAN HERRIN, Bachelor of Arts (Liberal Arts)
 HENRY JULIUS HERRMANN, Bachelor of Science (Electrical Engineering)
 DORIS EDNA HESS, Bachelor of Music²
 LESTER SIMON HESS, Bachelor of Science (Education)
 LESTER S HESS, Bachelor of Science (Education)³
 EDWIN BUTCHER HEWES, Bachelor of Arts (Liberal Arts)²
 IRVING HAMMOND HILL, Bachelor of Science (Commerce)
 RAYMOND MAX HILL, Bachelor of Science (Agriculture)³
 ALMON WILKINSON HINDS, Bachelor of Science (Civil Engineering)
 HUGH HOMER HITE, Bachelor of Science (Commerce)
 HARRIETTE LOIS HODGES, Bachelor of Science (Commerce)
 HORACE MULFORD HODGSON, Bachelor of Arts (Liberal Arts)
 JOHN BREWSTER HOFFMAN, Bachelor of Science (Chemistry)³
 HERBERT EDWARD HOLT, Bachelor of Science (Commerce)
 NELLIE HOLT, Bachelor of Arts (Home Economics)
 INA LUCILLE HOLTERMAN, Bachelor of Arts (Home Economics)
 WILLIAM BULTMAN HOLTON, Bachelor of Science (Chemistry)²
 GLEN LEFEVRE HOOVER, Bachelor of Science (Commerce)
 RUTH IRENE HOOVER, Bachelor of Arts (Liberal Arts)
 HELEN SYLVESTA HOPPING, Bachelor of Science (Education)
 RUTH JEANNETTE HOPPING, Bachelor of Science (Floriculture)
 OLIVER C HOSTETLER, Bachelor of Science (Education)³
 WARREN ROBERTS HOUGH, Bachelor of Science (Commerce)
 CLARA ANN HOUNSLEY, Bachelor of Arts (Liberal Arts)
 ARTHUR MARTIN HOUSER, Jr., Bachelor of Science (Mechanical Engineering)
 RUSSELL WILSON HOVEY, Bachelor of Science (Agriculture)
 ROBERT LEE HOWARD, Bachelor of Science (Education)
 WILLIAM CLAYTON HOWE, Bachelor of Science (Agriculture)
 LAWRENCE EDWARD HOYER, Bachelor of Science (Commerce)
 HSUEH LIAN HSIEH, Bachelor of Science (Commerce)⁴
 CHUN HSUN HUANG, Bachelor of Science (Commerce)
 CHUNG SU HUANG, Bachelor of Arts (Liberal Arts)³
 JOHN BARTHOLOMEW HUBER, Bachelor of Science (Commerce)
 LOUIS WILLIAM HUBER, Bachelor of Science (Mining Engineering)
 EUGENE STEWART HUFFMAN, Bachelor of Science (Chemistry)⁴
 ALBERTA HUGHES, Bachelor of Arts (Liberal Arts)³
 HENRY LOREN HUGHES, Bachelor of Science (Agriculture)
 HENRY GORDON HULLFISH, Bachelor of Arts (Liberal Arts)³
 GRACE MARIA HUNSCHE, Bachelor of Arts (Home Economics)
 VALENTINE BREWSTER HUNT, Bachelor of Science (Architecture)
 HARLOD LEE HUSTON, Bachelor of Arts (Liberal Arts)
 RALPH WINFELD IBENFELD, Bachelor of Science (Mechanical Engineering)
 ROBERT ARMINGTON IDE, Bachelor of Science (Commerce)
 CLIFFORD RAYMOND ILLYES, Bachelor of Science (Agriculture)³
 ENID EMILY IRELAND, Bachelor of Arts (Liberal Arts)
 DONALD LEE JACOBS, Bachelor of Science (Mechanical Engineering)
 WALTER ROBERT JAMES, Bachelor of Science (Commerce)
 ETHEL JAMIESON, Bachelor of Arts (Liberal Arts)
 CLARENCE PHILIP JASPERSON, Bachelor of Arts (Liberal Arts)
 RICHARD WERNER JEFFERY, Bachelor of Science (Education)

¹Degree conferred August 13, 1921.

²With thesis.

³Degree conferred October 12, 1921.

⁴Degree conferred February 18, 1921.

CARTER JENKINS, Bachelor of Science (Civil Engineering)
 LYMON HALL JENKINS, Bachelor of Arts (Liberal Arts)¹
 HAROLD PATRICK JENNETT, Bachelor of Science (Electrical Engineering)
 VIRGIL TVILSTEDGAARD JESSEN, Bachelor of Science (Agriculture)
 LURA MARION JEWELL, Bachelor of Arts (Liberal Arts)
 FRANK JOSEPH JEZAK, Bachelor of Science (Electrical Engineering)
 FRED EMIL JOHANSEN, Bachelor of Science (Architectural Engineering)
 JESSE RAY JOHNS, Bachelor of Science (Chemistry)¹
 ARNO CHARLES JOHNSON, Bachelor of Science (Electrical Engineering)
 CARL WILHELM JOHNSON, Bachelor of Science (Commerce)
 CHARLES BAYARD JOHNSON, Bachelor of Science (Commerce)
 ELMER THOMAS JOHNSON, Bachelor of Science (Commerce)
 EVERETT LOUIE JOHNSON, Bachelor of Science (Agriculture)
 HAROLD URBAN JOHNSON, Bachelor of Science (Commerce)
 CLARENCE MELVILLE JOHNSTON, Bachelor of Science (Agriculture)¹
 ELLISETHE SOPHIA JONES, Bachelor of Science (Education)
 VALENTINE AUSTIN JONES, Bachelor of Science (Chemistry)¹
 CARL JULINE, Bachelor of Science (Architectural Engineering)
 PAUL KILBRIDE JUSTUS, Bachelor of Science (Agriculture)
 ROY LAWRENCE KALVER, Bachelor of Arts (Liberal Arts)
 HERMINA KAMMERMAN, Bachelor of Arts (Liberal Arts)
 JOHN HENRY KANET, Bachelor of Science (Agriculture)
 ROSSELLE MAE KARRER, Bachelor of Arts (Liberal Arts)
 CHARLES EIRA KEVILL, Bachelor of Science (Railway Civil Engineering)
 NINA KATTE, Bachelor of Arts (Liberal Arts)
 INEZ JUANITA KELLEY, Bachelor of Arts (Home Economics)
 VICTOR WENDELL KELLEY, Bachelor of Science (Education)¹
 WILLARD WAHL KELSEY, Bachelor of Science (Commerce)
 ROBERT LYNCH KEMLER, Bachelor of Science (Electrical Engineering)¹
 FORREST EVERETT KENDALL, Bachelor of Science (Chemistry)¹
 PAULINE MARIAN KENNEDY, Bachelor of Arts (Liberal Arts)
 RICHARD EUGENE KENT, Bachelor of Music¹
 WILLIAM HERMAN KETTELHOFF, Bachelor of Science (Electrical Engineering)
 CLARENCE TROUT KIBLER, Bachelor of Science (Agriculture)¹
 RAYMOND COLONIOUS KILLEFER, Bachelor of Science (Chemistry)¹
 RALPH SIDNEY KILPATRICK, Bachelor of Science (Commerce)
 WILLIAM MAURICE KIMMELSAUE, Bachelor of Science (Agriculture)¹
 BURTON ELDRED KING, Bachelor of Science (Agriculture)
 FLORENCE MARY KING, Bachelor of Science (Home Economics)
 GEORGE HUNT KINGSBURY, Bachelor of Science (Commerce)¹
 NELLE ALMEDA KIRBY, Bachelor of Music¹
 WARREN LYONS KIRBY, Bachelor of Science (Commerce)
 THOMAS EVERETT KIRKPATRICK, Bachelor of Science (Agriculture)¹
 DONALD KENNETH KISSINGER, Bachelor of Science (Commerce)
 ROSINA CLARA KISTNER, Bachelor of Arts (Home Economics)
 HARRY WILLIAM KLAMBER, Bachelor of Science (Agriculture)
 GEORGE MADISON KLEDER, Jr., Bachelor of Science (Commerce)
 GORDON KLEIN, Bachelor of Science (Ceramic Engineering)¹
 FRANK HENRY PAUL KOEPLKE, Bachelor of Science (Mechanical Engineering)
 CLARENCE EDWARD KOHLER, Bachelor of Science (Commerce)
 EDWIN MARTIN KOHNER, Bachelor of Science (Commerce)
 ALBERT CONRAD KOLNER, Bachelor of Science (Agriculture)
 WILLIAM KENNETH KOPP, Bachelor of Science (Commerce)¹
 HOWARD ANDREW KATZGER, Bachelor of Science (Commerce)
 GEORGE FRANK KRAUPKA, Bachelor of Science (Commerce)
 ROBERT EVAN LACKLAND, Bachelor of Science (Electrical Engineering)
 ERIC WILLARD LEXER, Bachelor of Science (Mechanical Engineering)
 S. N. LAHRAI, Bachelor of Science (Commerce)
 CLYDE ERR LANG, Bachelor of Science (Agriculture)
 WALTER EDWARD LANG, Bachelor of Science (Commerce)
 MAURINE ESTELLE LANTZ, Bachelor of Arts (Home Economics)
 FLOYD CONWAY LARIMER, Bachelor of Science (Commerce)
 OTTO THEODORE LAUBE, Bachelor of Science (Electrical Engineering)
 WALTER WESLEY LAUTERBACK, Bachelor of Science (Education)
 JOSEPH PATRICK LAWLER, Bachelor of Science (Civil Engineering)
 LELAND LAMONT LAWRENCE, Bachelor of Arts (Liberal Arts)
 BERTIS CARL LAWSON, Bachelor of Science (Agriculture)
 FLORENCE LEE, Bachelor of Arts (Home Economics)
 JAMES WHITNEY LEEMING, Bachelor of Science (Railway Electrical Engineering)
 EARL HENRY LEMENAGER, Bachelor of Arts (Liberal Arts)¹
 CHARLES PIERSON LEONARD, Bachelor of Arts (Liberal Arts)¹
 ALDEN GEORGE LEWIS, Bachelor of Science (Chemistry)¹
 ADEUNA MORRIS LEWIS, Bachelor of Science (Home Economics)¹
 KENNETH S. LEWIS, Bachelor of Arts (Liberal Arts)
 SAMUEL ARTHUR LICHTMANN, Bachelor of Science (Architectural Engineering)
 RUSSELL WALFRED LINDEN, Bachelor of Science (Education)
 FANG CHU LING, Bachelor of Science (Mechanical Engineering)
 WILLIAM FREDERICK LOCKWOOD, Bachelor of Science (Commerce)
 GERALD ALBERT LOFFQUIST, Bachelor of Science (Mechanical Engineering)
 WALTER EARL LOOMIS, Bachelor of Science (Agriculture)
 PHILIP SHUMWAY LORD, Bachelor of Science (Commerce)

¹Degree conferred October 12, 1921.¹With thesis.¹Degree conferred February 18, 1921.¹Degree conferred August 13, 1921.

ISABELLE MARTHA LOSEE, Bachelor of Arts (Liberal Arts)
 PERCY DAVID LOURASH, Bachelor of Science (Agriculture)
 CLARENCE B LOVELL, Bachelor of Science (Chemical Engineering)¹
 ROBERT FILLMORE LOVETT, Bachelor of Arts (Liberal Arts)²
 HARRY ARTHUR LUER, Bachelor of Science (Agriculture)
 JULIAN RICHARD LULL, Bachelor of Science (Mechanical Engineering)
 DOROTHY ELIZABETH LUMLEY, Bachelor of Science (Liberal Arts)
 JOSEPH GRAY LUMMIS, Bachelor of Science (Commerce)
 JOSEPH JAY LUSFER, Bachelor of Arts (Liberal Arts)
 HELEN CHARLOTTE LYNCH, Bachelor of Science (Commerce)
 LAURA HOLMAN LYTLE, Bachelor of Arts (Liberal Arts)
 MANTA M LYTLE, Bachelor of Science (Education)³
 MERWYN QUINCY LYTLE, Bachelor of Science (Commerce)
 MARIE BELLE McCABE, Bachelor of Science (Education)
 FLAVIA OLIFF McCALLISTER, Bachelor of Arts (Liberal Arts)
 EARL LEROY McCLURE, Bachelor of Science (Electrical Engineering)
 EDGAR JOSEPH McDONALD, Bachelor of Science (Architectural Engineering)
 WILBUR McGEHEE, Bachelor of Science (Landscape Gardening)¹
 LAWRENCE PHILIP McGRATH, Bachelor of Science (Commerce)
 CHARLES DUNCAN MCGREGOR, Bachelor of Science (Commerce)
 ROBSON DUNCAN MCINTYRE, Bachelor of Science (Commerce)
 JOHN KERYL McKINNEY, Bachelor of Science (Commerce)
 ORLYN OLIVER McLEISH, Bachelor of Arts (Liberal Arts)¹
 ETHEL MAE McMILLAN, Bachelor of Science (Education)
 LOUIS WILLIAM McMILLAN, Bachelor of Science (Agriculture)
 HELEN WILLARD McNAIR, Bachelor of Science (Liberal Arts)
 RALPH TOLIVAR McQUINN, Bachelor of Arts (Liberal Arts)
 ESTHER LEE McVAY, Bachelor of Arts (Liberal Arts)
 JOHN HENRY MacGILLIVRAY, Bachelor of Science (Agriculture)
 GEORGE ROBERT MACH, Bachelor of Science (Commerce)¹
 DAVID KRAUSE MALCOMSON, Bachelor of Arts (Liberal Arts)
 WILLIAM MALEKUS, Bachelor of Science (Commerce)
 MERTON JOSEPH MANDEVILLE, Bachelor of Science (Commerce)
 JOHN CHARLES MANLEY, Bachelor of Science (Electrical Engineering)¹
 CLAIR TAMBLEYN MANN, Bachelor of Science (Agriculture)
 FELIX DANIEL FELIPE MARAMBA Y GARCIA, Bachelor of Science (Agriculture)
 WILMA McCABE MARLOW, Bachelor of Science (Chemistry)¹
 ISABEL MILDRED MARQUEDANT, Bachelor of Science (Agriculture)
 DONALD EDGAR MARQUIS, Bachelor of Science (Architecture)
 GLENN WYLIE MARSHALL, Bachelor of Science (Commerce)
 THOMAS HOLLAND MARSHALL, Bachelor of Arts (Liberal Arts)
 HOWARD C MARTIN, Bachelor of Arts (Liberal Arts)
 JAMES FRANK MARTINO, Bachelor of Science (Commerce)
 DJALMA VERELLA MARTINS, Bachelor of Arts (Liberal Arts)
 SADIE MARIE MARVEL, Bachelor of Arts (Liberal Arts)
 EARL GREENFIELD MASON, Bachelor of Science (Commerce)¹
 JAMES BRYANT MASON, Bachelor of Arts (Liberal Arts)
 LEE MASON, Bachelor of Science (Agriculture)¹
 RODNEY STARKWEATHER MASON, Bachelor of Arts (Liberal Arts)
 ALVIN GUGELER MATHEWS, Bachelor of Science (Commerce)
 SENSUKE MATSUDA, Bachelor of Science (Agriculture)
 THARRAWADDY MAUNG MAUNG, Bachelor of Science (Chemical Engineering)
 RAYMOND DEWEY MAXON, Bachelor of Science (Electrical Engineering)
 DON WATERS MAYHUE, Bachelor of Science (Electrical Engineering)
 ELSDON LYMAN MAYNARD, Bachelor of Science (Commerce)
 CARL ROBERT MEGOWEN, Bachelor of Science (Commerce)
 HYMAN MELTZER, Bachelor of Science (Chemistry)¹
 MARY ELINOR MERRYMAN, Bachelor of Arts (Liberal Arts)
 FREDERICK BRECKMANN METTERHAUSEN, Bachelor of Science (Railway Civil Engineering)¹
 ALFRED HERMAN LUDWIG MEYER, Bachelor of Arts (Liberal Arts)
 GEORGE LEO NICHOLAS MEYER, Bachelor of Science (Mechanical Engineering)¹
 FRANK WILLIAM MEZEK, Bachelor of Science (Civil Engineering)
 GEORGE EUGENE MIDDLETON, Bachelor of Science (Agriculture)
 WAYNE MIDDLETON, Bachelor of Science (Civil Engineering)¹
 MARGARET LESLIE MILES, Bachelor of Arts (Liberal Arts)¹
 HELEN MILLER, Bachelor of Arts (Home Economics)
 GEORGE ELLSWORTH MILNER, Bachelor of Science (Commerce)
 MRS. ANNIE BELLE MISSIMER, Bachelor of Science (Home Economics)
 ALFRED JOSEPH MITCHELL, Bachelor of Science (Civil Engineering)
 JOHN MILN MITCHELL, Bachelor of Science (Commerce)
 ERNEST REUBEN MOBTZG, Bachelor of Science (Agriculture)
 HAROLD JACKSON MOCK, Bachelor of Science (Civil Engineering)
 ASHER MOMENT, Bachelor of Science (Chemistry)¹
 HELEN MOORE, Bachelor of Music¹
 GRACE WATSON MORALES, Bachelor of Arts (Liberal Arts)
 MAXIMO ELADIO MORALES, Bachelor of Science (Chemistry)¹
 FRANCIS DEAN MORGAN, Bachelor of Science (Electrical Engineering)
 WILLARD AMOS MORGAN, Bachelor of Science (Agriculture)
 WILLIAM McLENNAN MORGAN, Bachelor of Science (Chemistry)¹
 MILDRED RUTH MORRIS, Bachelor of Science (Education)
 PAT GINGLES MORRIS, Bachelor of Arts (Liberal Arts)

¹Degree conferred February 18, 1921.²Degree conferred October 12, 1921.³Degree conferred August 13, 1921.

With thesis.

VEVA LEONA MORRIS, Bachelor of Arts (Liberal Arts)
 CHARLES ADAMSON MOSGROVE, Bachelor of Science (Agriculture)
 EUGENIA MOSS, Bachelor of Arts (Liberal Arts)
 JOHN REDMON MOSS, Bachelor of Science (Agriculture)
 HENRY EDWARD MOTTER, Bachelor of Science (Commerce)¹
 WILLIAM BYRON MOWERY, Bachelor of Arts (Liberal Arts)²
 ALFRED MARTIN MUELLER, Bachelor of Science (Electrical Engineering)
 GEORGE HUDSON MUGGE, Bachelor of Science (Commerce)³
 ELMER ALFRED MUHS, Bachelor of Science (Landscape Gardening)
 EMORY SCRIVER MULNIX, Bachelor of Science (Education)
 WENDELL STANLEY MUNCIE, Bachelor of Science (Liberal Arts)
 GLADYS ELOISE MURRAY, Bachelor of Arts (Liberal Arts)
 HAROLD NOYES MYERS, Bachelor of Science (Agriculture)
 KARL RUFUS NATHO, Bachelor of Science (Agriculture)
 DALE AVERY NELSON, Bachelor of Science (Commerce)
 JOHN NELSON, Bachelor of Science (Architectural Engineering)
 LOUIS MELVIN NELSON, Bachelor of Science (Commerce)
 WENDALL PHILLIPS NELSON, Bachelor of Science (Electrical Engineering)
 MILO HUGO NEUENSCHWANDER, Bachelor of Arts (Liberal Arts)³
 EDWIN ELDWOOD NEWCOMB, Bachelor of Science (Architecture)
 LOUISE MARIE NEWMAN, Bachelor of Arts (Liberal Arts)
 HILTON C NICHOLS, Bachelor of Science (Agriculture)
 PAULINE ANGELINE NICHOLS, Bachelor of Science (Commerce)
 EDLA DORTHEA NILSON, Bachelor of Arts (Liberal Arts)
 HELEN GRANT NORMAN, Bachelor of Arts (Liberal Arts)
 MILTON EUGENE NORMAN, Bachelor of Science (Civil Engineering)
 WILLARD ALFRED NORMAN, Bachelor of Science (Chemistry)²
 ROSWELL STANDISH NOTHWANG, Bachelor of Arts (Liberal Arts)⁴
 EDNA FAY OAKES, Bachelor of Science (Education)¹
 HALLIE MARION OFFLIGHTER, Bachelor of Arts (Liberal Arts)
 HELEN MARIE OLSON, Bachelor of Arts (Liberal Arts)
 FRED WILLIAM ORLAND, Bachelor of Science (Agriculture)¹
 HAROLD HURST OSBORN, Bachelor of Science (Civil Engineering)
 FAUSTINE QUESALES OTANES, Bachelor of Arts (Liberal Arts)¹
 TAKEO OTSUBO, Bachelor of Science (Chemistry)⁴
 WILLIAM B OVERBEE, Bachelor of Science (Commerce)
 REGINALD FLOYD PACKARD, Bachelor of Science (Mechanical Engineering)
 OLEN GEORGE PARKHILL, Bachelor of Science (Agriculture)
 HAROLD LESLIE PARR, Bachelor of Science (Architectural Engineering)
 ELIZABETH ELEANOR PATTERSON, Bachelor of Science (Education)
 AUDLEY EVERETT PATTON, Bachelor of Science (Commerce)
 ENOCH OLIVER PAULSON, Bachelor of Science (Agriculture)
 ZUN LEAM PAWN, Bachelor of Science (Railway Mechanical Engineering)
 JOHN WILLIAM PAYNE, Bachelor of Science (Education)
 PAUL LEASON PAYTON, Bachelor of Science (Commerce)³
 LASCHÉ PEARSON, Bachelor of Science (Commerce)
 RALPH CHENEY PELTZ, Bachelor of Arts (Liberal Arts)²
 ELIZA RUTH PENDRY, Bachelor of Arts (Liberal Arts)⁴
 GLADYS VERNON PENNINGTON, Bachelor of Arts (Liberal Arts)
 ROBERT LAWRENCE PENTLAND, Bachelor of Science (Electrical Engineering)
 FRANK LINDELL PETERSON, Bachelor of Science (Commerce)
 KATHERINE LOIS PETERSON, Bachelor of Arts (Liberal Arts)
 ADA MURRAY PRITZENMEYER, Bachelor of Arts (Home Economics)
 MARY EDNA PHELPS, Bachelor of Music²
 LOUISE MILLIKEN PICKENS, Bachelor of Science (Education)
 ARNOLD CHRISTIAN PIEPER, Bachelor of Science (Commerce)²
 MAURICE J PIERCE, Bachelor of Science (Commerce)¹
 LOUISE MARCH PLETCHER, Bachelor of Arts (Liberal Arts)
 LESTER MARSHALL PLYM, Bachelor of Science (Electrical Engineering)
 FOSTER MALIC POOLE, Bachelor of Science (Commerce)
 BEULAH ADELIA POTTER, Bachelor of Arts (Home Economics)⁴
 HOWARD PRATT POTTER, Bachelor of Science (Engineering)⁴
 EDNA ADELLA POWERS, Bachelor of Arts (Liberal Arts)
 DOROTHY KATHERINE PREBLE, Bachelor of Arts (Liberal Arts)
 ROBERT CURTIS PREBLE, Bachelor of Science (Commerce)
 JOHN SHEDD PRESCOTT, Bachelor of Arts (Liberal Arts)²
 ARTHUR LOWELL PRICE, Bachelor of Science (Agriculture)
 HAROLD GORDON PRICE, Bachelor of Science (Agriculture)
 LOUISE GILMAN PRICHARD, Bachelor of Arts (Liberal Arts)
 HELEN SMITH PRINGLE, Bachelor of Arts (Liberal Arts)¹
 CLOYD PUGH, Bachelor of Science (Agriculture)
 EDHART LYLE PULVER, Bachelor of Science (Landscape Gardening)
 JOHN RABENAU, Bachelor of Science (Commerce)
 A B RADCLIFFE, Bachelor of Arts (Liberal Arts)
 MERLE VINCENT RAINES, Bachelor of Arts (Liberal Arts)²
 FRANCES LENORE RAINEY, Bachelor of Arts (Liberal Arts)
 HAROLD EIJNER RASMUSSEN, Bachelor of Science (Commerce)¹
 JOHN CADWALADER RASMUSSEN, Bachelor of Science (Floriculture)
 HOWARD HARBIN RATH, Bachelor of Science (Commerce)
 FLOYD WILLIAM RAY, Bachelor of Science (Architecture)
 EMERSON EDWARD RAYMOND, Bachelor of Science (Architectural Engineering)

Degree conferred February 18, 1921.

With thesis.

Degree conferred August 13, 1921.

Degree conferred October 12, 1921.

LEO BRACY REED, Bachelor of Science (Commerce)
 WILMA VIRGINIA REED, Bachelor of Science (Home Economics)
 OLIVE REES, Bachelor of Arts (Home Economics)
 ALF CHRISTIAN REHNQUIST, Bachelor of Science (Civil Engineering)
 BERNARD PAUL REINSCH, Bachelor of Science (Architecture)
 ERNST HENRY RENNEBAUM, Bachelor of Arts (Liberal Arts)¹
 ELSIE FRANCES RHODES, Bachelor of Music²
 NATHAN LYMAN RICE, Bachelor of Science (Agriculture)
 EDITH IRENE RICHARDSON, Bachelor of Arts (Liberal Arts)
 HENRY ADELBERT RITCHER, Bachelor of Arts (Liberal Arts)³
 HOWARD PAUL RITSCH, Bachelor of Science (Commerce)
 DONALD ARTER RITTENHOUSE, Bachelor of Science (Electrical Engineering)
 EMMET JOHN ROACH, Bachelor of Science (Commerce)
 DEWEY MINNIS ROBERTS, Bachelor of Arts (Liberal Arts)
 ELMER CLIFFORD ROBERTS, Bachelor of Science (Architecture)³
 INA CULLOM ROBERTSON, Bachelor of Science (Education)
 LAURA PURCELL ROBERTSON, Bachelor of Arts (Liberal Arts)
 ROBERT CRAWFORD ROBERTSON, Bachelor of Arts (Liberal Arts)
 LEON WOOD ROBINSON, Bachelor of Science (Electrical Engineering)
 CARMEN C ROCKABRAND, Bachelor of Arts (Liberal Arts)
 WALTER HENRY ROHE, Bachelor of Science (Commerce)
 JESSE ARNOLD ROMIG, Bachelor of Science (Commerce)
 LENA BELLE ROSE, Bachelor of Arts (Liberal Arts)
 LINDER WILLIAM ROSEBRAUGH, Bachelor of Science (Commerce)
 CARL MARTIN ROSENQUIST, Bachelor of Science (Agriculture)
 EVERETT ROY ROTRAMEL, Bachelor of Science (Commerce)
 CELIA ANN ROY, Bachelor of Arts (Liberal Arts)
 WANETA MARIE ROY, Bachelor of Arts (Liberal Arts)
 KATHLEEN MARGARET RUCKMAN, Bachelor of Arts (Liberal Arts)
 GEORGE CORNELIUS FREDERICK RUHLE, Bachelor of Science (Chemical Engineering)
 EVELYN AGNES RUMMEL, Bachelor of Arts (Liberal Arts)
 CHARLES CHAUNCEY RUSSELL, Bachelor of Science (Chemical Engineering)⁴
 EVELYN HASTINGS RUSSELL, Bachelor of Arts (Liberal Arts)
 RUTH EDNA RUSSELL, Bachelor of Arts (Liberal Arts)
 HARRIET RUTHERFORD, Bachelor of Arts (Liberal Arts)
 ALBERT ROBBINS SABIN, Bachelor of Science (Agriculture)
 HAROLD FRANK SADLER, Bachelor of Science (Commerce)
 ARBA LOREN SAGENDORPH, Bachelor of Science (Electrical Engineering)
 WILLIAM HARRY SAHUD, Bachelor of Arts (Liberal Arts)
 LOUIS CHARLES SALZENSTEIN, Bachelor of Science (Commerce)
 DORTHEA SAMUEL, Bachelor of Science (Agriculture)
 JOHN ALFRED SANDERS, Bachelor of Science (Commerce)
 CONRAD ELMER SANDVOLD, Bachelor of Arts (Commerce)⁴
 FRANK PAUL SANMANN, Bachelor of Science (Agriculture)
 JAMES DAVID SARVEN, Bachelor of Arts (Liberal Arts)
 ISAAC CORNELIUS SAWYER, Bachelor of Science (Chemistry)²
 PHILETUS THOMAS SAWYER, Bachelor of Science (Agriculture)
 ABE MORRIS SAX, Bachelor of Science (Chemistry)³
 ROLLS CLIFTON SAYRE, Bachelor of Arts (Liberal Arts)³
 OLIVIA VENN SCHAD, Bachelor of Arts (Liberal Arts)
 DONALD DRAKE SCHEIB, Bachelor of Science (Commerce)
 RALPH EDWIN SCHENCK, Bachelor of Science (Architecture)
 EDNA HULDA SCHIERBAUM, Bachelor of Science (Home Economics)
 ETHEL HELEN SCHIERBAUM, Bachelor of Arts (Liberal Arts)
 DAVID SCHLESINGER, Bachelor of Science (Chemical Engineering)²
 ARTHUR WILLIAM SCHMOELLER, Bachelor of Science (Commerce)
 WILLIAM VIERLING SCHOCK, Bachelor of Science (Agriculture)
 JESSIE PAULINE SCHOLZ, Bachelor of Arts (Liberal Arts)
 JOHN THEODORE SCHOTT, Bachelor of Science (Electrical Engineering)
 CLARENCE JOHN SCHULTZ, Bachelor of Science (Commerce)
 WALTER WILLIAM SCHUTT, Bachelor of Science (Landscape Gardening)
 ISABELLA SANDERSON SCHWALBE, Bachelor of Arts (Liberal Arts)
 FRANK PAUL SCHWARTZ, Bachelor of Science (Commerce)
 FRANCES EMILY SCONCE, Bachelor of Arts (Liberal Arts)
 LAUREL LACEY SCRANTON, Bachelor of Science (Education)³
 BLISS ALBERTA SEYMOUR, Bachelor of Arts (Liberal Arts)
 BURLEIGH BEAUMONT SEYMOUR, Bachelor of Science (Mining Engineering)³
 LEE NORTON SHADDLE, Bachelor of Science (Agriculture)
 MARJORIE SHEPARD, Bachelor of Arts (Home Economics)¹
 FLEMING MURRAY SHERLAW, Bachelor of Science (Agriculture)
 BLANCHE GERTRUDE SHIRLEY, Bachelor of Arts (Liberal Arts)
 MARGARET SHIVELY, Bachelor of Arts (Liberal Arts)
 ROBERT PAYSON SHONKWILER, Bachelor of Arts (Liberal Arts)
 FRANK HAMILTON SHUMAN, Bachelor of Science (Agriculture)
 TRENT D SICKLES, Bachelor of Science (Commerce)
 HSIUNCHU H STE, Bachelor of Arts (Liberal Arts)
 KURT HUGO SIECKE, Bachelor of Science (Civil Engineering)
 LOUIS ARNOLD SIEGRIST, Bachelor of Science (Chemistry)²
 ELLVINE INISTORE SIMMS, Bachelor of Science (Home Economics)
 LILLIE LARUE SIMS, Bachelor of Science (Education)
 HERBERT LEROY SKOGLUND, Bachelor of Science (Agriculture)³

¹Degree conferred August 13, 1921.

²With thesis.

³Degree conferred October 12, 1921.

⁴Degree conferred February 18, 1921.

MARGARET EDITH SLATTEN, Bachelor of Science (Home Economics)
 DEE SMALL, Bachelor of Science (Agriculture)
 CLYDE EVERETT SMITH, Bachelor of Science (Civil Engineering)
 DANIEL WILLARD SMITH, Bachelor of Science (Liberal Arts)
 EMILY EVELYN SMITH, Bachelor of Science (Home Economics)
 GEORGE EDWARD SMITH, Bachelor of Science (Agriculture)¹
 IONE MARGARET SMITH, Bachelor of Arts (Liberal Arts)
 JULIAN DENTON SMITH, Bachelor of Science (Agriculture)
 LAURA ELEANOR SMITH, Bachelor of Arts (Liberal Arts)
 MARIAN KATHRYN SMITH, Bachelor of Science (Landscape Gardening)
 OLIVER FRANCIS SMITH, Bachelor of Science (Agriculture)
 ORLEFF ELMER SMITH, Bachelor of Science (Commerce)¹
 THEODORE HAMMOND SMITH, Bachelor of Arts (Liberal Arts)
 JOHN ROWE SNIVELY, Bachelor of Arts (Liberal Arts)
 HARRY GUILFORD SNOOK, Bachelor of Science (Electrical Engineering)
 HARRY WILLIAM SNYDER, Bachelor of Science (Electrical Engineering)
 MABEL RUTH SNYDER, Bachelor of Science (Commerce)
 WILLARD AYRES SNYDER, Bachelor of Science (Architecture)
 FRANCIS PATRICK SOMERS, Bachelor of Science (Chemistry)²
 PAULO CUBA DE SOUZA, Bachelor of Science (Agriculture)
 MILDRED LUCILLE SOWERS, Bachelor of Arts (Liberal Arts)
 RODNEY EUGENE SPANGLER, Bachelor of Science (Architecture)¹
 FERN MARIE SPIKER, Bachelor of Arts (Liberal Arts)
 GERTRUDE SPONSLER, Bachelor of Arts (Liberal Arts)²
 CHRISTOPHER VICTOR ST. CARDOSI, Bachelor of Arts (Liberal Arts)¹
 ELMER GEORGE STALEY, Bachelor of Science (Mechanical Engineering)
 FRANK FORD STAMBERG, Bachelor of Science (Mining Engineering)¹
 ETHEL MARGUERITE STANLEY, Bachelor of Science (Home Economics)¹
 SIDNEY KELLER STARR, Bachelor of Science (Agriculture)²
 OZELL TRASK STATELER, Bachelor of Science (Agriculture)²
 OSCAR FRANK STAUDER, Bachelor of Science (Mechanical Engineering)
 ALTHEA ROSE STEELE, Bachelor of Arts (Home Economics)
 HILDUR EDITH STEINERT, Bachelor of Arts (Liberal Arts)
 HELEN FORD STEVENS, Bachelor of Arts (Liberal Arts)
 RAYMOND LA MOINE STEVENS, Bachelor of Science (Commerce)
 MELISSA GENEVA STIDHAM, Bachelor of Science (Agriculture)
 DOUGLASS WILLIAM STOCKHAM, Bachelor of Science (Mechanical Engineering)
 PATRONILLA GERTRUDE STOEVENER, Bachelor of Science (Home Economics)
 FRIEDA CAROLINE STOLL, Bachelor of Science (Home Economics)
 THELMA LOUISE STRABEL, Bachelor of Arts (Liberal Arts)
 LETA LENORE STRAIGHT, Bachelor of Arts (Home Economics)
 EWART STRAWBRIDGE, Bachelor of Science (Commerce)³
 ROBERT STREHLOW, Bachelor of Science (Civil Engineering)
 RAYMOND HENRY STROHM, Bachelor of Science (Commerce)
 NORMAN RANSAVELL STRYKER, Bachelor of Science (Electrical Engineering)
 JOHN RUSSELL STUBBINS, Bachelor of Science (Civil Engineering)²
 MARY CHRISTINE STUBBS, Bachelor of Arts (Home Economics)
 EVA MILDRED STUCKEY, Bachelor of Arts (Liberal Arts)
 HELEN GWYNNE STURGEON, Bachelor of Science (Education)
 VIRGIL RICHARD SULLIVAN, Bachelor of Science (Chemistry)⁴
 CHARLES REUEL SUTTON, Bachelor of Science (Architectural Engineering)
 SAMUEL DWIGHT SYKES, Bachelor of Science (Commerce)
 ADELINE SYLVESTER, Bachelor of Science (Liberal Arts)
 DOROTHY NEWELL TALBOT, Bachelor of Arts (Liberal Arts)
 NEWELL WILSON TANNER, Bachelor of Science (Agriculture)
 GEORGE EVANS TAYLOR, Bachelor of Arts (Liberal Arts)
 ESTHER GLADYS TEETERS, Bachelor of Arts (Home Economics)
 JENNIE GRACE TERPINITZ, Bachelor of Arts (Liberal Arts)
 RUTH MAY TERWILLIGER, Bachelor of Science (Education)
 SOPHIE THEILEN, Bachelor of Arts (Home Economics)
 EZRA GEORGE THIEM, Bachelor of Science (Agriculture)
 ALICE MAE THOMAS, Bachelor of Arts (Liberal Arts)
 DAVIS WESLEY THOMPSON, Bachelor of Science (Agriculture)
 LEE CARL THOMPSON, Bachelor of Science (Agriculture)
 MARGARET HELEN THOMPSON, Bachelor of Arts (Liberal Arts)
 REX ROLAND THOMPSON, Bachelor of Arts (Liberal Arts)²
 THELMA THEO THORNSBURG, Bachelor of Arts (Liberal Arts)
 CLARA EVA TILLITSON, Bachelor of Arts (Liberal Arts)¹
 MICHAEL EDWARD TKACH, Bachelor of Science (Commerce)
 FRANK TOBIAS, Bachelor of Science (Commerce)
 RUTH TODD, Bachelor of Arts (Liberal Arts)
 ARNO WILLIAM TOLL, Bachelor of Science (Commerce)
 ROBERT GARDNER TOLMAN, Bachelor of Science (Commerce)
 HARRY BIRD TOUR, Bachelor of Science (Architectural Engineering)
 HAROLD THEODORE TOWE, Bachelor of Arts (Liberal Arts)²
 SIDNEY FUNK TOWNSEND, Bachelor of Science (Agriculture)
 IVAN WARD TRAXLER, Bachelor of Science (Agriculture)
 JOHN TREDWELL, Jr., Bachelor of Science (Commerce)
 GRACE MARIAN TRIGG, Bachelor of Arts (Liberal Arts)
 FRANCES MARION TRISSAL, Bachelor of Arts (Home Economics)
 HELEN TROWBRIDGE, Bachelor of Arts (Liberal Arts)

¹Degree conferred October 12, 1921.²Degree conferred February 18, 1921.³Degree conferred August 13, 1921.⁴With thesis.

CHUK YEE TSANG, Bachelor of Science (Chemistry)¹
 GLADYS ELIZABETH TUCKER, Bachelor of Arts (Home Economics)
 MARY IRENE TURNBULL, Bachelor of Arts (Liberal Arts)
 JEWETT MATTOX TURNER, Bachelor of Science (Landscape Gardening)³
 MERLE BERNICE TURNER, Bachelor of Arts (Liberal Arts)²
 SHELDON KNIGHT TURNER, Bachelor of Science (Commerce)⁴
 RUDOLPH ROBERT TUSHEK, Bachelor of Science (Civil Engineering)
 ROBERT EVANS TUTWILER, Bachelor of Science (Commerce)²
 GEORGE FRANCIS UEBERRHEIN, Bachelor of Science (Agriculture)
 ROSS JAMES UTLEY, Bachelor of Science (Commerce)
 THEODORE HENRY UTLEY, Bachelor of Science (Agriculture)
 RUTH ELEANOR VALLIER, Bachelor of Science (Commerce)
 DOUGLAS FRANCIS VAN BREMER, Bachelor of Science (Agriculture)
 ESTHER MARGARET VAN DOREN, Bachelor of Arts (Liberal Arts)
 HOWARD FLAGLER VAUGHN, Bachelor of Science (Architectural Engineering)
 JUAN VERA-AZAPALO, Bachelor of Science (Agriculture)
 FORREST VOEKS, Bachelor of Science (Commerce)
 LINZ VINCENT VOHS, Bachelor of Science (Agriculture)
 FLORENCE ANNA VOLLBRACHT, Bachelor of Arts (Liberal Arts)
 WILHELMINA ELIZABETH VOLLMER, Bachelor of Arts (Liberal Arts)
 VANDEVEER VOORHEES, Bachelor of Science (Chemical Engineering)¹
 SIDNEY WADE, Bachelor of Arts (Liberal Arts)
 MORRIS EDWARD WAGGONER, Bachelor of Science (Agriculture)
 PAUL WALKER, Bachelor of Science (Agriculture)
 VOLNEY DEUCHAR WALKER, Bachelor of Science (Mechanical Engineering)
 IONE DORTHEA WALKUP, Bachelor of Arts (Liberal Arts)
 EDWIN THOMAS WALLACE, Bachelor of Science (Agriculture)²
 MORRIS TITUS WALLACE, Bachelor of Arts (Liberal Arts)
 EARL JOSEPH WALSH, Bachelor of Science (Architectural Engineering)
 HILEY LEMEN WARD, Bachelor of Science (Commerce)
 MILTON WILLARD WARREN, Bachelor of Science (Agriculture)
 HERBERT FREDERICK WASCHER, Bachelor of Science (Agriculture)²
 SELMA MYRA WASSON, Bachelor of Arts (Liberal Arts)
 HARRY BREMNER WATERBURY, Bachelor of Science (Agriculture)
 WILLIAM LAYTON WATERMAN, Bachelor of Science (Agriculture)
 GEORGE GERALD WATERS, Bachelor of Science (Mechanical Engineering)³
 GRACE MINNIE WATTS, Bachelor of Science (Commerce)
 WILLIAM WADSWORTH WATTS, Bachelor of Arts (Liberal Arts)
 JAMES GARRISON WEART, Jr., Bachelor of Arts (Liberal Arts)⁴
 VESTA BELLE WEAVER, Bachelor of Arts (Home Economics)
 WILLIS CRAWFORD WEBB, Bachelor of Science (Agriculture)
 FREDERICK GOTTLIEB WEBER, Bachelor of Science (Agriculture)²
 GOLDIE BERTHA WEINROTH, Bachelor of Arts (Liberal Arts)
 JOHN NELSON WEISS, Bachelor of Science (Agriculture)
 HELEN BERNICE WEITKNECHT, Bachelor of Arts (Home Economics)
 MARY MILDRED WELCH, Bachelor of Arts (Liberal Arts)
 HERBERT CLAY WELLER, Bachelor of Arts (Liberal Arts)
 HARRY ANDREW WELLS, Bachelor of Science (Landscape Gardening)
 ELSIE ANN WERNER, Bachelor of Arts (Liberal Arts)
 LLOYD ALVIN WEST, Bachelor of Science (Electrical Engineering)
 ELLSWORTH JOHNSON WESTCOTT, Bachelor of Science (Civil Engineering)
 PHILIP SPRING WESTCOTT, Bachelor of Science (Railway Engineering)²
 LENA MARY WESTERMAN, Bachelor of Science (Education)
 JOHN WILLIAM WESTON, Bachelor of Arts (Liberal Arts)⁴
 HELEN MARGUERITE WHEELER, Bachelor of Arts (Home Economics)
 LOUISE AUGUSTA WHITCHURCH, Bachelor of Arts (Home Economics)
 LEONARD NEWTON WHITE, Bachelor of Science (Civil Engineering)
 GRACE WHITFORD, Bachelor of Arts (Liberal Arts)
 MABEL WHITFORD, Bachelor of Arts (Liberal Arts)
 NELLIE ROBERTA WHITNAH, Bachelor of Science (Liberal Arts)
 RAY NORTON WHITTINGTON, Bachelor of Science (Commerce)
 MARY JANE WIER, Bachelor of Science (Home Economics)
 ALFRED AMES WILD, Jr., Bachelor of Science (Electrical Engineering)
 CHARLES LUCAS WILDER, Bachelor of Arts (Liberal Arts)²
 RUSSELL WARREN WILEY, Bachelor of Science (Architectural Engineering)
 HOWARD AUSTIN WILL, Bachelor of Arts (Liberal Arts)¹
 RUTH FRANCES WILLARD, Bachelor of Arts (Liberal Arts)
 CARROLL MORTIMER WILLIAMS, Bachelor of Science (Electrical Engineering)
 HELEN GERTRUDE WILLIAMS, Bachelor of Arts (Liberal Arts)
 KENNEY ERNEST WILLIAMSON, Bachelor of Science (Commerce)
 ASHBEL RAY WILSON, Bachelor of Science (Education)
 JOHN HAWLEY WILSON, Bachelor of Science (Commerce)
 LOIS JOSEPHINE WILSON, Bachelor of Science, (Commerce)
 HARRY MAURICE WILTEN, Bachelor of Science (Mining Engineering)
 OLIVER NIMS WILTON, Bachelor of Science (Mechanical Engineering)
 LOIS MARIE WINE, Bachelor of Arts (Liberal Arts)
 BETTY WINGERT, Bachelor of Arts (Liberal Arts)
 ROSS WAYNE WINKLER, Bachelor of Science (Agriculture)
 FERNE ABBIE WINN, Bachelor of Science (Home Economics)
 EDSON WRIGHT WISELY, Bachelor of Arts (Liberal Arts)
 DAVID ALEXANDER WOLFF, Bachelor of Arts (Liberal Arts)

¹With thesis.²Degree conferred October 12, 1921.³Degree conferred February 18, 1921.⁴Degree conferred August 13, 1921.

JULIUS WILLIAM WOLTER, Bachelor of Arts (Liberal Arts)
 KENG WOON WONG, Bachelor of Arts (Liberal Arts)
 PAUL WASHINGTON WOOD, Bachelor of Science (Civil Engineering)¹
 LORENTZ ENGLEHART WORMLEY, Bachelor of Science (Mining Engineering)
 FRANK LANCASTER WORTHINGTON, Bachelor of Science (Commerce)¹
 CLARENCE SALMON WRIGHT, Bachelor of Science (Mechanical Engineering)
 FRANCIS MARION WRIGHT, Bachelor of Science (Mechanical Engineering)
 ELEANOR ELIZABETH WYNE, Bachelor of Arts (Liberal Arts)
 MYRA LOIS YANCEY, Bachelor of Arts (Liberal Arts)
 HAROLD CALDWELL YEAGER, Bachelor of Arts (Liberal Arts)
 LOWELL CAMDEN YEAGER, Bachelor of Science (Electrical Engineering)
 WILLIAM MORRIS YOUNG, Bachelor of Science (Electrical Engineering)
 WILBUR HUGHES YOUNGMAN, Bachelor of Science (Agriculture)
 CHI CHUAN YU, Bachelor of Arts (Liberal Arts)
 HENRY GISA ZEHK, Bachelor of Science (Mechanical Engineering)
 EMIL PHILIP ZEIDERS, Bachelor of Science (Agriculture)
 GLENN FABER ZELHOEFER, Bachelor of Science (Liberal Arts)
 ARTHUR WILLIAM ZIEGLER, Bachelor of Science (Electrical Engineering)
 EDWARD HENRY GUSTAF ZIEROTH, Bachelor of Science (Agriculture)
 MARIE LYDIA ZIKA, Bachelor of Science (Home Economics)
 ERNST LINN ZIMMER, Bachelor of Science Civil (Engineering)

THE COLLEGE OF LAW

The Degree of Bachelor of Law

THOMAS HUNTER ARMSTRONG
 HAROLD GRIFFITH BAKER
 RUTH FRANCES BLACK
 OWEN MCINTOSH BURNS²
 ROBERT JOHN COLSON
 HUGH WAKE CROSS²
 CLARENCE JOHN FISHER
 ERNEST STANLEY FOGELSONGER
 ELMORE ALBERT GRIPP
 ARTHUR EDWIN HOHENSTEIN

WILLIAM KENNETH HRABIK
 CHARLES EVERETT KECK
 MAX WILLIAM KRAMER
 WILLIAM HUGH MARTIN
 JOHN MARK NIEHAUS, JR.
 MARTIN E O'CONNOR
 AUGUST J SCHEINEMAN²
 CURVELLA H SWICK²
 AMOS HOLSTON WATTS

THE LIBRARY SCHOOL

The Degree of Bachelor of Library Science

EFFIE GALE ABRAHAM, A.B. (*Miami University*) 1913
 ESTHER LOU BERGEN, A.B. (*James Milliken University*) 1913
 BERTHA FLORENCE BLACKBURN, A.B. (*Illinois College*) 1911
 ETHYL MAY BLUM, A.B. (*University of Michigan*) 1907
 JAMES BENNETT CHILDS, A.B., 1918 (October)
 ARTHUR RAY CURRY, B.A. (*University of Texas*) June, 1916
 RUTH EUGENIA SANKEE, A.B. (*University of Kansas*) 1914

THE COLLEGE OF MEDICINE

The Degree of Bachelor of Science

(Conferred In Chicago)

SAMUEL ABRAMS
 JULIUS ADLER
 MAURICE ALBACH
 PAUL GERHARD ALBRECHT
 MARIE G ANDERSON²
 CARL APPLE
 EUGENE LESTER BAKER
 GEORGE JOHN BAUMGARTNER
 ALBERT JAY BONER
 WILLIAM MITCHELL BYERS
 ROBERT PAUL CARON
 THORALD EDWARD DAVIDSON
 CLEMENT DE FREITAS
 ROBERT DESSERT
 JAY REED DEWEY
 ISADORE ABRAHAM DRUES
 HOWARD MILTON EDWARDS
 DAVID EPSTEIN
 LOUIS FELDMAN
 JULIUS FLEISCHNER
 WALTER CHARLES FRENZEL
 BERNARD GOLDBERG
 MARCUS GOODWIN
 JOSEPH GREENGARD
 JAMES TOBIAS GROOT
 SHIRLEY LOUIS HADDEN

RICHARD AUGUST HARRIS
 JAMES HOWARD HOSKINS
 STANLEY J IMBIORSKI
 STANLEY FLORIAN JANICKI
 JOHN HOLLY JEWELL
 ISAAC KARLIN
 JOHN FRANCIS KELLY
 JACOB KLEIN
 ALFRED KOBAK
 RALPH AUGUST KORDENAT²
 NATHANIEL BENJAMIN LANS
 ELMER ARNOLD LANSCH
 BENJAMIN MORDECAI LEVIN
 ROY CHRISTIAN LINTNER
 LOUIS LITTON
 FRANK BLACKBURN LUCAS
 CLARK RUSSELL WILLIAM MAGILL
 CHAUNCEY CARTER MAHER
 WILLIAM ALFRED MARYN, JR.
 HARRY OLIVER MARYAN
 ALBERT ILMER MATHRE
 PAUL BURNS MONROE
 FLOYD LAWRENCE McGRATH
 AZOR VICTOR NASATIR
 MELVIN MAX NEWMAN
 JOHANNES NIELSEN

¹Degree conferred October 12, 1921.

²Degree conferred February 18, 1921.

CELIA EVELYN OWENS
GAUDENCIO E PIIT
DWIGHT COLEMAN REEVES
THEODORE FERDINAND REUTHER
THOMAS PAINE SALTIEL
WILLIAM SCHECTER
BEULAH MARIE SMITH¹

JOSEPH CLARENCE SODARO, JR.
RICHARD BOOTHBY STOOPS
GLENN JOSEPH TYGETT
JOHN TRIMMER WEAD
HENRY GEORGE WEHRINGER
MARIE WESSELS
CORDELLE ATHONTON WOOD

The Degree of Doctor of Medicine

(Conferred In Chicago)

PAUL STERLING CARLEY

THE COLLEGE OF DENTISTRY
The Degree of Doctor of Dental Surgery
(Conferred In Chicago)

JOHN WESLEY BANCROFT
HENRY GEORGE BRINKMAN
CHARLES SHELBY CLARK
EDWIN CLASSEN
EMMONS SYLVESTER COE, A.B.
WALTER GILBERT DAHLKE
ROBERT WINLOCK DUNN
LEWIS ANSON DYER
ERVIN IRA GOODFRIEND
ROBERT GERALD GREENWOOD
RUDOLPH UHLMAN GRIEFF
TAKATOMO IRIYAMA

CLAUDE MORLEY JONES
HYMAN LEWBIN
WILLIAM MIDDLETON
EDWARD FREDERICK MUNRO
ANDREW GROAT NIELSEN
EDWARD NOWICKI
DELOS CARL PREHN
CLINTON GEORGE ROCKEY
EDWARD JAMES RYAN
WALTER RALPH STOCKSTAD
RAYMOND EBY WORSLEY

THE SCHOOL OF PHARMACY
The Degree of Graduate in Pharmacy
(Conferred In Chicago)

DAVID RAGNOLD ANDERSON, '20
VICTOR AMBROSE BANCROFT
PAUL ELZEVR BARTON
JAMES BERARDI
JAMES BLOWER
GEORGINA GRACE BOWER
WILLIAM PAUL BRANN
FLOYD MARION BYERS
GERALD S CHAPMAN
MOSES PHILIP COVNOT
LIBBY DEDIC, '19
WALTER HARRY DIMOND
MARIO LOUIS DUNGH
LOUIS D EISELE
VICTOR ALFRED ELLIOT, '19
HOWARD J FALKENSTEIN
WALTER RAYMOND FALLON
LESLIE VINCENT FAY
KENNETH NEWTON FENN
DINA MARGARET FROILAND
CLARENCE H GRAHAM
JOSEPHINE CECELIA HAUBER
GLEN FRANKLIN HURDLE
LEONARD FERDINAND JOHNSON
HAROLD VERNON JONES
JOHN THOMAS KACHINKSAS
ISADORE I KATZ
HENRY CARL KELCH

LOYD NEWTON KUNKEL
RAYMOND ALBERT LEACH
JARSOLAV ROBERT MADERA, '20
RALPH CLARK MAPES
LEWIS E MARTIN
FRANCIS JAMES MERLAK
CYRIL ARNOLD PHILPS
CLEON K PLUMMER
WESLEY J ROBINSON
WILLIAM THEODORE ROESSEL
HENRY CARL SALTIEL
LEO EMERSON SAMPLE
HERBERT C SCHMID
NORMA-CLAIRE SCHULTE
SUMNER S SEIBERT
HERBERT SKOGLUND
ADOLPH W SORENSON
FERDINAND A SPAGNA
LOUIS C SPINNER
STANLEY LUCIEN STANCAK
LOYD STONER
ANTOINETTE STULIK
CHARLES S THOMPSON
CHARLES PAUL TUMA
LOUIS R WEISS
WILLIAM SYLVESTER WHITE
MAXON H WHITNEY

THE GRADUATE SCHOOL

The Degree of Master of Arts

In Botany

WALTER LEROY BLAIN, A.B. (*Wabash College*) 1916
PAUL JONES BYRD, A.B. (*Wabash College*) 1917
CHARLEY LYMAN PORTER, B.S. (*Illinois Wesleyan University*) 1911, A.B., 1913

In Chemistry

VIRGINIA BARTOW, A.B. (*Vassar College*) 1918
WALTHER FRIEDERICH GOEBEL, A.B., 1920
OTTO ERSKINE HUNTLEY, A.B. (*Hope College*) 1918
FLORA MARION LOUGEE, A.B. (*Bates College*) 1914
PHILIP KELSEY PORTER, A.B. (*Grinnell College*) 1918¹

¹Degree conferred February 18, 1921.

In Classics

- MARGARET MORRISON BRAYTON, Ph.B. (*University of Chicago*) 1920
 JOHN FRANK CHEAF, A.B. (*St. Procopius College*) 1916
 DORA AILEEN LOUGE, A.B. (*Baker College*) 1917
 CLARENCE GEORGE LOWE, A.B. (*Franklin College*) 1919
 JOHN BRADFORD TITCHENER, A.B. (*Clark College*) 1917

In Economics

- HENRY HEATON BAILY, Ph.B. (*University of Chicago*) 1911
 RAY GEORGE ELLIS, A.B. (*Syracuse*) 1917²
 EARL JOYCE MILLER, A.B. (*Simpson College*) 1916
 ROGER WENDELL VALENTINE, A.B. (*McKendree College*) 1916
 MAX JUDD WASSERMAN, A.B. (*Cornell University*) 1918

In Education

- NELLIE EILEEN BUSSELL, A.B. (*University of Wisconsin*) 1915¹
 FLEMING WILLETT COX, A.B., 1903²
 CHARLES SHEARMON DALE, B.S., 1900¹
 CHARLIE BROWN HERSHEY, A.B., 1914¹
 GERTRUDE HOWELL HILDEBETH, A.S. (*North-Western College*) 1920
 FLORENCE DOROTHEA JONES, B.S., 1920

In English

- KATHARINE WHEELER CULLEN, A.B., 1920
 IDA BELLE DAVIS, A.B., 1911
 MIRIAM GERLACH, A.B., 1911
 MINNIE FRANCES HARRIS, A.B. (*Carthage College*) 1920
 ESTHER ELIZABETH HETZELIN, A.B. (*Illinois Woman's College*) 1920
 FLORENCE ELEANORE LESHER, A.B. (*Carthage College*) 1920
 FLORENCE GERTRUDE MADDEN, A.B. (*Illinois Woman's College*) 1920
 ADAE ELIZABETH MILLIGAN, A.B. (*Monmouth College*) 1914¹
 STACEY CORBIN SATTERFIELD, A.B. (*Wasson College*) 1920
 AGNES GRIEVE WALKER, A.B. (*Oce College*) 1920
 MARY MARCELLA WHEATLER, A.B. (*Roseford College*) 1920

In History

- HELEN BROSHAR, A.B., 1920
 RAYMOND JAMES SONTAG, B.S., 1920
 WILLIAM WALLIS, B.S. (*Ohio Wesleyan University*) 1894

In Mathematics

- MARIE TRIMBLE ALLEN, A.B. (*University of Indiana*) 1911
 HARRY ALBERT BENDER, A.B. (*Ohio State University*) 1918¹
 MILDRED LEE ECKI, A.B. (*North-Western College*) 1920
 WALTER GRISMER, A.B., 1913¹
 BLANCHE MARIE HALL, A.B. (*Georgetown College*) 1920
 DWIGHT FREDERICK HEATH, A.B., 1915¹
 WESLEY JOHN WAGNER, A.B. (*Wallace-Baldwin College*) 1918¹

In Physics

- CLARENCE CARL SCHMIDT, A.B. (*Cornell College*) 1917

In Political Science

- JOHN HALVOR LEEK, A.B. (*James Milliken University*) 1920
 HARRY WILSON, A.B., 1920

In Psychology

- MARGARET LAURA POTTER, A.B. (*Hiram College*) 1915
 ELIZABETH JANE RUTHERFORD, A.B., 1919¹

in Railway Administration

- TEE HSI: CHEO, A.B. (*Nankang University*) 1915¹

In Romance Languages

- RACHEL AUGUSTA BRATHWIT, A.B., 1920
 THOMAS AUSTIN FITZGERALD, A.B. (*University of Missouri*) 1915
 MARGARET EBERT FOLEY, A.B. (*Ohio Wesleyan University*) 1919
 RUTH LORENA LEWMAN, A.B. (*James Milliken University*) 1915
 NATHAN SCHEIBER, A.B., 1920
 SYLVIA MARIA VOLLMER, A.B. (*University of California*) 1917
 ALBERTINE MARIE WALTHER, Ph.B. (*University of Chicago*) 1917
 MIRIAM ELAINE WILSON, A.B. (*Knox College*) 1920

In Zoology

- CLAUDE LEIST, A.B., 1918
 VEDA FERN LEONARD, A.B., 1919

The Degree of Master of Science

in Agronomy

- MARCOS MONDEJAR ALICANTE, B.S. (*Oregon Agricultural College*) 1920
 ROYAL ALEXANDER BRINK, B.S. (*University of Toronto*) 1919
 IRVING ALSON DENISON, B.S., 1920
 HOWARD JOHN SNIDER, B.S., 1915
 CECIL HERBERT WILKINSON, B.S., 1920

¹Degree conferred August 13, 1921.²Degree conferred October 12, 1921.³Degree conferred February 18, 1921.

In Animal Husbandry

ROSCOE RAYMOND SNAPP, B.S., 1913

*In Bacteriology*JAMES DUNCAN BREW, B.S. (*Cornell University*)¹

LETHIE ELEANORA MORRISON, A.B., 1919

In Botany

GEORGE HARLAN DUNGAN, B.S., 1917

JERRY SOTOLA, B.S., 1913²*In Ceramic Chemistry*LOUIS NAVIAS, B.S. (*College of the city of New York*) 1913*In Chemistry*

FRED WARD ALWOOD, B.S., 1920

LOTHAR HOMER BREDE, B.S., 1919

CHARLOTTE FAY BROWN, B.S. (*Eureka College*) 1920MARIAM GERTRUDE BUCK, A.B., 1920¹WALDO DRIGGS BURNETT, A.B. (*Southern Methodist University*) 1919WALLACE HUME CAROTHERS, B.S. (*Tarkio College*) 1920³GEORGE HENRY CHENEY, B.S. (*University of Maine*) 1919¹HAYES TRYFORD DARBY, B.S. (*Ohio State University*) 1912¹FRANK HOWARD DRIGGS, A.B. (*Baker University*) 1917GAIL PHILLIPS EDWARDS, B.S., 1918⁴WILLIARD LYLE FINLEY, B.S. (*Geneva College*) 1920²MAYOR FARTHING FOGLER, B.S., 1920²JOSEPH LOWE HALL, B.S., 1919¹BENJAMIN RACKOWSKI HARRIS, B.S. (*College of the City of New York*) 1917ROBERT McCLAUGHEY HILL, B.S. (*Carthage College*) 1915FLOYD BEATTY HOBART, B.S., 1920³RUSSELL LEWIS JENKINS, B. Chem. (*University of Pittsburgh*) 1920DELLA DARLE JUNKIN, A.B. (*University of Michigan*) 1912IRVIN ALVIN KOTEN, A.B. (*North-Western*) 1920²CARL CLARENCE LARSON, B.S., 1918³SAMUEL MARION McELVAIN, B.S. (*Washington University*) 1920

ERRAL BALHURST MIDDLETON, A.B., 1919

RUDOLPH STOKES NELSON, B.S., 1920

CHARLES HEMON PEET, A.B. (*Hope College*) 1914JOHN STANTON PIERCE, A.B. (*Georgetown College*) 1920CHARLES WILLIAM RODEWALD, B.S., 1920³JEAN CHARLOTTE SHEPHERD, A.B. (*University of Montana*) 1919

KEITH EMANUEL SPARKS, B.S., 1919

GOVIND PIRAJI UPLAP, B.S. (*University of California*) 1919TAO UYEI, B.S. (*Oregon Agricultural College*) 1916

JOHN HARDENBERGH WALDO, B.S., 1920

THOMAS ADAM WILSON, A.B. (*Syracuse University*) 1919*In Electrical Engineering*WILLIAM DAIL CANNON, B.S. (*Delaware College*) 1913YOSO NAITO KOGAKUSI, (*Tohoku Imperial University*) 1915¹*In Entomology*GLADYS HOKE, B.S. (*Mississippi State College for Women*) 1916*In Genetics*

LEOPOLDO S CLEMENTE Y DE LA ROSA, B.S., 1920

JOSEPH SHIRO, B.S. (*Syracuse University*) 1917*In Home Economics*

LOLA MERLE CREMEANS, A.B., 1920

MARGARET HATFIELD, A.B. (*Northwestern University*) 1916, (*Toronto University*) 1916*In Horticulture*JEAN PAUL GRIFFITH, B.S. (*Cornell University*) 1917*In Mathematics*WILBUR GILLFILLAN GUILD, B.S. (*Illinois Wesleyan University*) 1920HAROLD EMORY HUNTER, B.S. (*Hedding College*) 1920*In Mechanical Engineering*

GEORGE THEODORE FELBECK, B.S., 1919

CRANDALL ZACHARIAH ROSECRANS, B.S., 1919

In Physics

CHARNJIT SINGH, B.S., 1917

In Physiology

JANE MARIE LEICHSENRING, B.S., 1919

*In Theoretical and Applied Mechanics*REX LENOI BROWN, B.S. (*University of Kansas*) 1919MARVIN CURTIS NICHOLS, B.S. (*University of Texas*) 1913*In Zoology*LYELL JAY THOMAS, B.S. (*Fargo College*) 1919DAVID HIRAM THOMPSON, B.S. (*Purdue University*) 1919MYRON THOMAS TOWNSEND, B.S. (*Bates College*) 1913¹Degree conferred October 12, 1921.²Degree conferred August 13, 1921.³Degree conferred February 18, 1921.

Professional Degree In Engineering

*Master of Architecture*RALPH STANLEE FANNING, (*Cornell University*) 1912; M.S., 1918*The Degree of Civil Engineer*JOHN HENNING ANDERSON, B.S., 1914
ALFRED HUGHLYN HUNTER, B.S., 1917
THOMAS MCLEAN JASPER, B.S., M.S., 1911*The Degree of Electrical Engineer*RALPH WALDO BOLTON, B.S., 1918
ALLAN BERRY CAMPBELL, B.S., 1909
JOHN HOWARD MATHEWS, B.S., 1913; M.S., 1914*The Degree of Mechanical Engineer*ORSON ALLEN CARNAHAN, B.S., 1910
FRANCIS SOLON LUNEY, B.S., 1907*The Degree of Engineer of Mines*

THOMAS FRAZER, B.S., 1917

The Degree of Doctor of Philosophy

*n Agronomy*JACOBUS STEPHANUS MARAIS, B.A. Pass, B.A. Honors, (*Cape of Good Hope University*) 1916, 1917*In Animal Husbandry*WILLIAM BARBOUR NEVENS, B.S. (*University of Wisconsin*) 1914; M.S. 1917*In Botany*CECIL FREDERICK PATTERSON, B.S.A. (*University of Toronto*) 1918; M.S., 1920*In Chemistry*MANSON JAMES BRADLEY, B.A., M.A. (*McMaster University*) 1915JOHN BERNIS BROWN, B.S., M.S., 1915-1917
GEORGE HOPKINS COLEMAN, B.S. (*Greenville College*) 1915; M.S., 1919*In Chemistry*MAX SHAW DUNN, A.B. (*Simpson College*) 1916; M.S., 1918
ROBERT EDMAN GREENFIELD, A.B. (*Kansas University*) 1914; A.M., 1916¹
JOHN ABERDEEN GUNTON, B.A., M.A. (*McMaster University*) 1916, 1917
LEONARD FRANCIS YNTEMA, A.B. (*Hope College*) 1915; A.M., 1917*In Classics*JAMES CURTISS AUSTIN, A.B. (*Syracuse University*) 1916; A.M., 1919
ADOLPH FREDERICK PAULI, A.B., A.M., 1916, 1917*In Economics*

MILTON NELS NELSON, A.B., A.M., 1915, 1917

*In Education*ARLIE GLENN CAPPS, B.S., A.M. (*University of Missouri*) 1916, 1917
HENRY THEODORE MCKINNEY, A.B., A.M., 1913, 1915*In English*LOUIS IGNATIUS BREDVOLD, A.B., A.M. (*University of Minnesota*) 1909, 1910*In Entomology*LEWIS BRADFORD RIPLEY, B.S. (*Trinity College*) 1915; M.S., 1916
FENNER SATTERTHWAITE STICKNEY, B.S. (*University of California*) 1916; M.S., 1918*In History*DARWIN ORLANDO CLARK, A.B. (*Drury College*) 1896; A.M., 1909
FRED STANLEY RODKEY, A.B., A.M. (*University of Kansas*) 1917, 1918*In Mathematics*BEULAH MAY ARMSTRONG, A.B. (*Baker University*) 1917; A.M. (*University of Kansas*) 1918
WILLIAM EDMUND EDINGTON, A.B. (*Indiana State Normal School*) 1909; A.M., 1919*In Physics*

CHARLES FRANCIS HILL, A.B., A.M., 1914, 1916

*In Political Science*FREDERICK HOWLAND GUILD, A.B. (*Brown University*) 1913; A.M. (*University of Indiana*) 1915*In Zoology*FLORENCE SANDER HAGUE, A.B., A.M. (*University of Kansas*) 1911, 1914
ADA ROBERTA HALL, A.B., A.M. (*University of Oregon*) 1917, 1919
EZRA CLARENCE HARRAH, A.B. (*Southwestern College*) 1913; A.M., 1919

Candidates as of Earlier Classes

*In Civil Engineering*GEORGE EUGENE BOYD, (as of the class of 1896)
JULIUS GORDON GABELMAN, (as of the class of 1896)
BURTON RUTHFORD LEFFLER, (as of the class of 1896)*In Agriculture*

HARVEY J SCONCE, (as of the class of 1898)

*In Liberal Arts*JONAS A ALLEN, (as of the class of 1881)
(MRS.) ELSIE CORNELIA ELLIOTT BULLARD (as of the class of 1881)¹Degree conferred October 12, 1921.

SCHOLARS AND FELLOWS, 1921-1922

GERTRUDE ADY, Scholar in History (*Nominee of Monmouth College*)
WILLIAM WERT BAUER, Fellow in Chemistry, U.S. Interdepartmental Social Hygiene Board
DOROTHY FRANCES BRIGGS, Scholar in Mathematics
GERALD HEWES CARSON, Scholar in English
CARL HENRY CATHER, Scholar in Mechanical Engineering
DAVID CAUSEY, Scholar in Zoology
THERON BAYNE CHANEY, Scholar in Physics (*Nominee of Knox College*)
ADAM ARTHUR CHRISTMAN, Fellow in Chemistry
LEOPOLDO S CLEMENTE, Fellow in Genetics
RALPH CONNER CORLEY, Scholar in Chemistry
HAROLD JOHN EIGENBRODT, Scholar in Zoology (*Nominee of North-western College*)
EARL AGARD ENGLE, DuPont Fellow in Chemistry
ELINOR BERTHA FLAGG, Scholar in Education (*Nominee of College of Education*)
WALTHER FRIEDRICH GOEBEL, Fellow in Chemistry
JOSEPH LOWE HALL, Fellow in Chemistry
EINAR AUGUST HANSEN, Scholar in Education
ESTHER JEANETTE HARPER, Scholar in History
HERMANN CONRAD NIES HECKEL, Scholar in Chemistry
AMOS HENRY HERSH, Fellow in Zoology
DUNCAN CHARTERIS HEATHERINGTON, Fellow in Zoology
EDWIN BUTCHER HEWES, Scholar in History
CLEMENT LOUIS HRDLICKA, Scholar in Classics
FLORENCE VIVIAN JENSEN, Scholar in English
JOHN RAVEN JOHNSON, Carr Fellow in Chemistry
AARON RAYMOND KIENHOLZ, Fellow in Botany
HOWARD L KINGSLEY, Fellow in Psychology
ELIZABETH ESTHER KNIGHT, Scholar in Mathematics (*Nominee of James Milliken University*)
WALTER ALLOS KOEHLER, Scholar in Ceramics
HARRY LOUIS LOCHTE, Fellow in Chemistry
DORA AILEEN LOUGEE, Fellow in Classics
JOHN HENRY MACGILLIVRAY, Scholar in Botany
CYRUS HAYMOND MAXWELL, Scholar in Animal Husbandry
ALFRED HERMAN LUDWIG MEYER, Scholar in Geology
EARL JOYCE MILLER, Fellow in Economics
HARRY MILTON MILLER, Fellow in Zoology
LETHE ELEANORA MORRISON, Fellow in Bacteriology
LOUIS NAVIAS, Fellow in Ceramics
MARGUERITA NEEDHAM, Scholar in English
IVAN JENNINGS OBENSHAIN, Scholar in History (*Nominee of Hedding College*)
MARY MELISSA PARK, Scholar in Mathematics (*Nominee of Wheaton College*)
AUDLEY EVERETT PATTON, Scholar in Business Administration (*Nominee of College of Commerce*)
ERNEST PICKERING, Plym Fellow in Architecture
MERLE VINCENT RAINES, Scholar in English (*Nominee of College of Liberal Arts and Sciences*)
CHARLES WILLIAM RODEWALD, Fellow in Chemistry, U. S. Interdepartmental Social Hygiene Board
JOHN WILLIAM ROWLEY, Scholar in Civil Engineering
HISATA ASBURY SANTO, Fellow in History
RALPH FRED SCHNEIDER, Fellow in Chemistry
ELEANOR FRANCES SEILER, Fellow in Physics
GEORGE R SHELTON, Fellow in Chemistry, Corning Glass Works
FLEMING MURRAY SHERLAW, Scholar in Animal Husbandry (*Nominee of College of Agriculture*)
LLOYD MILTON SHORT, Fellow in Political Science
LEONARD ALBERT STIDLEY, Scholar in Chemistry (*Nominee of Carthage College*)
WALTER HENRY STORER, Fellow in Romance Languages
MILDRED ELLEN TAYLOR, Scholar in Mathematics
SARAH HELEN TAYLOR, Scholar in Mathematics (*Nominee of Illinois College*)
MARY LUELLE TROWBRIDGE, Fellow in Classics
ALITA FERNE UPTON, Scholar in English (*Nominee of Eureka College*)
RUTH ALEXANDER WILLIAMS, Scholar in History (*Nominee of Rockford College*)
ELLA MAI WILSON, Scholar in Romance Languages
WILLIAM COURTNEY WILSON, Fellow in Chemistry
THEODORE OTTE YNTEMA, Scholar in Chemistry
LEONARD FRANCIS YNTEMA, Fellow in Chemistry, National Research Council

UNIVERSITY HONORS

Awarded by the Faculty of the University

HONORS AT COMMENCEMENT

(June 1921)

College of Liberal Arts and Sciences

THE DEGREE OF A. B. WITH HONORS

MARGARET DOTEN BRAUCHER, in Psychology
EDWIN BUTCHER HEWES, in History

RALPH CHENEY PELTZ, in English
MERLE VINCENT RAINES, in English

SPECIAL HONORS

College of Liberal Arts and Sciences

I VAN LYLE HAAG, in Chemistry
WILLIAM BULTMAN HOLTON, in Chemistry
FORREST EVERETT KENDALL, in Chemistry

GEORGE CORNELIUS FREDERICK RUHLE,
in Chemical Engineering
VANDERVEER VOORHEES, in Chemical Engineering

FINAL HONORS

College of Liberal Arts and Sciences

VAN LYLE HAAG, in Chemistry
FORREST EVERETT KENDALL, in Chemistry
RAYMOND COLONIUS KILLEFER, in Chemistry
GEORGE CORNELIUS FREDERICK RUHLE, in Chemical
Engineering

DAVID SCHLESINGER, in Chemical Engineering
VIRGIL RICHARD SULLIVAN, in Chemistry
VANDERVEER VOORHEES, in Chemical Engineering

College of Commerce and Business Administration

WILLIAM SEABER DEEMING
JAMES DICK GIBSON

HERBERT EDWARD HOLT
AUDLEY EVERETT PATTON
HAROLD EIJNER RASMUSSEN

College of Engineering

GEORGE ROLLIN CASKEY
IRA ROBERTS CUMMINGS
MARTIN FRISCH
JOHN ALONZO GOFF
ARTHUR MARTIN HOUSER, Jr.
CARTER JENKINS
FREDERICK BROCKMANN METTERHAUSEN

GEORGE LEO NICHOLAS MEYER
HAROLD LESLIE PARR
ROBERT LAWRENCE PENTLAND
RALPH EDWIN SCHENCK
KURT HUGO SIECKE
CLYDE EVERETT SMITH
ERNST LINN ZIMMER

College of Agriculture

VIRGIL TVILSTEDGAARD JENSEN
EVERETT LOUIE JOHNSON
JOHN REDMON MOSS
FRANK PAUL SANMANN

MARGARET EDITH SLATTEN
EZRA GEORGE THEM
EDWARD HENRY GUSTAF ZIEROTH

Library School

JAMES BENNETT CHILDS

School of Music

RACHEL MARY GRIFFITH

MARY EDNA PHELPS

College of Education

MARIE BELLE McCABE

Special Honors

HELEN MOORE

MARY EDNA PHELPS

PRIZES

American Institute of Architects Medal

FLOYD WILLIAM RAY

The Francis John Plym Fellowship in Architecture

ERNEST PICKERING, 1920

The Francis John Plym Prize for Architectural Engineers

EDWIN ERNEST VALENTINE

The Scarab Competition in Architecture

ALLMON GRANT FORDYCE

The B'nai B'rith Prize

HYMAN MELZER, Upperclassmen First Prize BERYL DAVID COHON, Second Prize
ROSE H JANOWITZ, Freshman

The Phi Beta Kappa Prize

MERLE VINCENT RAINES DOROTHY F BRIGGS, Honorable Mention

The Thacher Howland Guild Memorial Prize

WILLIAM BYRON MOWERY

Conference Medal for Excellence in Scholarship and Athletics for the Year 1921

JOHN PRESCOTT

Chi Omega Prize

ESTHER LEE McVAY

The English Poetry Prize

BLISS SEYMOUR, First Prize THEODORE P BOURLAND, Second Prize
GARRETA H BUSEY, Honorable Mention

Commissions as Lieutenants, Officers' Reserve Corps, U. S. A.

HAROLD HERBERT ARCHBOLD
THOMAS HUNTER ARMSTRONG
MILES DEWEY CATTON
PAUL V COTTINGHAM
ROBERT JENNINGS DONALDSON
TERRY WARREN EDWARDS
HENRY ALEXANDER GULLEY
WARREN CATLIN HAMILL
THOMAS EDWARD HENLEY
HENRY JULIUS HERRMANN
EDWIN BUTCHER HEWES
HAROLD PATRICK JENNETT
ERIC WILLARD LAGER
JOSEPH GRAY LUMMIS

DON WATERS MAYHUE
WALTER BEALE MILLIKEN
LASCHE PEARSON
RALPH CHENEY PELTZ
ROBERT CRAWFORD ROBERTSON
WALTER HENRY ROHE
DEE SMALL
FRANK TOBIAS
GEORGE JOHN WAHL, JR.
EDWIN HERBERT WEBSTER
LEONARD NEWTON WHITE
RAY NORTON WHITTINGTON
HAROLD CALDWELL YEAGER
LLOYD HERVEY YEAGER

University Gold Medal

C H KIEST

Hazelton Gold Medal

R A MERZ

SUMMARY OF DEGREES CONFERRED

1921

<i>Degrees in the Graduate School</i>	<i>Men</i>	<i>Women</i>	<i>Total</i>
A.M.....	21	27	48
A.M. (February 18, 1921).....	3	..	3
A.M. (August 13, 1921).....	6	2	8
A.M. (October 12, 1921).....	2	..	2
M.S.....	36	8	44
M.S. (February 18, 1921).....	4	..	4
M.S. (August 13, 1921).....	8	..	8
M.S. (October 12, 1921).....	5	1	6
M. Arch.....	1	..	1
C.E.....	3	..	3
E.E.....	3	..	3
M.E.....	2	..	2
E.M.....	1	..	1
Ph.D.....	23	3	26
Ph.D. (October 12, 1921).....	1	..	1
<i>Total, Graduate School.....</i>	<i>119</i>	<i>41</i>	<i>160</i>
<i>Degrees in Liberal Arts and Sciences</i>			
A.B.—(with thesis).....	10	1	11
A.B.—(without thesis).....	63	115	178
A.B.—(February 18, 1921).....	12	..	12
A.B.—(August 13, 1921).....	16	..	16
A.B.—(October 12, 1921).....	15	8	23
A.B.—Home Economics.....	..	32	32
A.B.—Home Economics (August 13, 1921).....	..	2	2
A.B.—Home Economics (October 12, 1921).....	..	1	1
B.S.—Liberal Arts.....	5	6	11
B.S.—Liberal Arts (with thesis).....	1	..	1
B.S.—Liberal Arts (October 12, 1921).....	1	..	1
B.S.—Chemistry (with thesis).....	21	1	22
B.S.—Chemistry (without thesis).....	1	..	1
B.S.—Chemistry (February 18, 1921).....	3	..	3
B.S.—Chemistry (August 13, 1921).....	3	..	3
B.S.—Chemistry (October 12, 1921).....	5	..	5
B.S.—Chemical Engineering (with thesis).....	7	..	7
B.S.—Chemical Engineering (without thesis).....	1	..	1
B.S.—Chemical Engineering (February 18, 1921).....	3	..	3
B.S.—Home Economics.....	..	2	2
<i>Total, Liberal Arts and Sciences.....</i>	<i>167</i>	<i>169</i>	<i>336</i>
<i>Degrees in Commerce and Business Administration</i>			
A.B.....	1	..	1
A.B.—(February 18, 1921).....	1	..	1
B.S.....	128	12	140
B.S.—(February 18, 1921).....	9	..	9
B.S.—(August 12, 1921).....	13	..	13
B.S.—(October 13, 1921).....	12	..	12
<i>Total, Commerce and Business Administration.....</i>	<i>164</i>	<i>12</i>	<i>176</i>
<i>Degrees in Engineering</i>			
B.S.—Architecture.....	9	..	9
B.S.—Architecture (October 12, 1921).....	3	..	3
B.S.—Architectural Engineering.....	17	..	17
B.S.—Architectural Engineering (August 13, 1921).....	2	..	2
B.S.—Architectural Engineering (October 12, 1921).....	1	..	1
B.S.—Ceramic Engineering.....	1	..	1
B.S.—Ceramic Engineering (February 18, 1921).....	1	..	1
B.S.—Civil Engineering.....	24	..	24
B.S.—Civil Engineering (February 18, 1921).....	3	..	3
B.S.—Civil Engineering (August 13, 1921).....	1	..	1
B.S.—Civil Engineering (October 12, 1921).....	2	..	2
B.S.—Electrical Engineering.....	41	..	41

B.S.—Electrical Engineering (February 18, 1921).....	2	..	2
B.S.—Electrical Engineering (August 13, 1921).....	3	..	3
B.S.—Electrical Engineering (October 12, 1921).....	1	..	1
B.S.—Mechanical Engineering.....	31	..	31
B.S.—Mechanical Engineering (February 18, 1921).....	5	..	5
B.S.—Mechanical Engineering (October 12, 1921).....	2	..	2
B.S.—Mining Engineering.....	5	..	5
B.S.—Mining Engineering (October 12, 1921).....	2	..	2
B.S.—Municipal and Sanitary Engineering.....	1	..	1
B.S.—Municipal and Sanitary Engineering (October 12)....	1	..	1
B.S.—Railway Civil Engineering.....	1	..	1
B.S.—Railway Civil Engineering (February 18, 1921).....	1	..	1
B.S.—Railway Civil Engineering (October 12, 1921).....	1	..	1
B.S.—Railway Electrical Engineering.....	3	..	3
B.S.—Railway Electrical Engineering (February 18, 1921)..	1	..	1
B.S.—Railway Mechanical Engineering.....	1	..	1
<i>Total, Engineering</i>	165	..	165
<i>Degrees in Agriculture</i>			
B.S.—(with thesis).....	2	..	2
B.S.—(without thesis).....	108	3	111
B.S.—(February 18, 1921).....	18	..	18
B.S.—(October 12, 1921).....	9	..	9
B.S.—Floriculture.....	4	1	5
B.S.—Landscape Gardening.....	6	3	9
B.S.—Landscape Gardening (February 18, 1921).....	1	..	1
B.S.—Landscape Gardening (October 12, 1921).....	2	..	2
B.S.—Home Economics.....	..	18	18
B.S.—Home Economics (February 18, 1921).....	..	1	1
B.S.—Home Economics (October 12, 1921).....	..	1	1
<i>Total, Agriculture</i>	150	27	177
<i>Degrees in Law</i>			
LL.B.....	14	1	15
LL.B.—(February 18, 1921).....	4	..	4
<i>Total, Law</i>	18	1	19
<i>Degrees in Library Science</i>			
B.L.S.....	2	5	7
<i>Total, Library Science</i>	2	5	7
<i>Degrees in Music</i>			
B.Mus.....	1	7	8
<i>Total, Music</i>	1	7	8
<i>Degrees in Education</i>			
B.S.....	12	14	26
B.S.—(February 18, 1921).....	1	..	1
B.S.—(August 13, 1921).....	3	2	5
B.S.—(October 12, 1921).....	4	2	6
<i>Total Education</i>	20	18	38
TOTAL, COLLEGES AND SCHOOLS AT URBANA.....	806	280	1086
<i>Degrees in Medicine</i>			
B.S.....	60	3	63
B.S.—(February 18, 1921).....	1	1	2
M.D.....	1	..	1
M.S.—(February 18, 1921).....	1	..	1
<i>Total, Medicine</i>	63	4	67
<i>Degrees in Dentistry</i>			
D.D.S.....	23	..	23
<i>Total, Dentistry</i>	23	..	23
<i>Degrees in Pharmacy</i>			
Ph.G.....	50	5	55
<i>Total, Pharmacy</i>	50	5	55
TOTAL, COLLEGES AND SCHOOLS IN CHICAGO.....	136	9	145
GRAND TOTAL.....	942	289	1231

SUMMARY OF OFFICERS

BY COLLEGES AND SCHOOLS

1921-1922

OFFICERS OF INSTRUCTION

COLLEGES, SCHOOLS, AND DEPARTMENTS	PROFESSORS		ASSOCIATE PROFESSORS		ASSISTANT PROFESSORS		ASSOCIATES	
	Men	Wom.	Men	Wom.	Men	Wom.	Men	Wom.
Liberal Arts and Sciences.....	48	..	15	..	35	..	12	1
Commerce and Business Administration.....	7	..	3	..	5	..	1	1
Engineering.....	25	..	7	..	27	..	8	..
.. Agriculture.....	23	1	7	..	20	4	26	8
... Music.....	2	..	3	..	1	..	..	..
... Education.....	6	..	3	..	3	..	6	2
Law.....	8	..	..	..	..	..	..	..
Library.....	1	..	..	..	1	1	..	3
Military.....	1	..	5	..	12	..	4	..
Physical Education.....	1	1	..	..	1	..	4	1
<hr/>								
<i>Totals at Urbana.....</i>	122	2	43	..	105	6	61	16
Medicine.....	26	..	24	..	17	..	26	..
Dentistry.....	12	..	4	..	11	..	6	..
Pharmacy.....	3	..	..	..	1	..	..	..
<hr/>								
<i>Totals in Chicago.....</i>	41	..	28	..	29	..	32	..

TOTALS IN UNIVERSITY..... 163 2 71 .. 134 6 93 16

OFFICERS OF ADMINISTRATION

General.....
Library.....

TOTAL, INSTRUCTIONAL AND ADMINISTRATIVE.....

Deduct Duplicates:

Instructional Officers holding Administrative Positions.....
Instructional Officers in Chicago holding more than one Position.....

NET TOTAL IN UNIVERSITY.....

SUMMARY OF OFFICERS

BY COLLEGES AND SCHOOLS

1921-1922

SPECIAL LECTURERS		INSTRUCTORS		ASSISTANTS		GRADUATE ASSISTANTS		STUDENT ASSISTANTS		TOTALS		Total
Men	Wom.	Men	Wom.	Men	Wom.	Men	Wom.	Men	Wom.	Men	Wom.	
..	..	33	14	103	49	28	4	1	..	275	69	344
..	..	8	..	30	..	..	..	..	..	54	1	55
..	..	42	..	21	..	..	..	4	..	134	..	134
..	..	4	6	20	4	..	..	..	1	100	24	124
..	..	2	8	..	..	..	..	..	..	8	8	16
..	..	10	7	7	3	..	..	..	..	35	12	47
..	8	..	8
..	1	..	..	..	..	..	..	2	5	7
..	..	5	..	..	..	..	..	32	..	59	..	59
..	..	2	3	7	3	..	..	..	1	15	9	24
..	..	106	40	188	59	28	4	37	2	690	128	818
3	..	31	4	32	2	..	..	..	..	159	6	165
2	..	30	7	..	..	..	..	..	..	65	7	72
1	..	2	..	2	1	..	..	..	..	9	1	10
6	..	63	11	35	3	..	..	..	..	233	14	247
6	..	169	51	222	62	28	4	37	2	923	142	1065
.....										47	4	51
.....										3	37	40
.....										973	183	1156
.....										32	4	36
.....										16	..	16
.....										925	179	1104

SUMMARY OF STUDENTS

1921-1922

College and Course	Seniors			Juniors			Sophomores		
	Men	Wom.	Total	Men	Wom.	Total	Men	Wom.	Total
LIBERAL ARTS AND SCIENCES									
General.....	75	161	236	80	256	336	84	255	339
Journalism.....	16	10	26	12	16	28	22	19	41
Preparatory to Law.....	4	...	4	12	...	12	28	2	30
Preparatory to Medicine.....	4	1	5	22	...	22	46	3	49
Home Economics.....	...	44	44	...	53	53	...	48	48
Chemistry.....	38	1	39	25	4	29	17	2	19
Chemical Engineering.....	40	1	41	64	...	64	34	...	34
<i>Total</i>	177	218	395	215	329	544	231	329	560
COMMERCE									
General Business.....	131	15	146	231	14	245	273	20	293
Commercial and Civic Sec.....	1	3	4	...	2	2	...	1	1
Banking.....	9	2	11	22	...	22	11	1	12
Insurance.....	4	4	8	1	...	1	4	...	4
Accountancy.....	28	...	28	57	3	60	44	2	46
Railway Administration.....	1	...	1	3	...	3	2	...	2
Railway Transportation.....	...	...	...	...	...	...	1	...	1
Commercial Teachers.....	1	1	2	...	2	2	...	1	1
Foreign Commerce.....	12	1	13	15	1	16	18	1	19
Industrial Administration.....	29	...	29	65	...	65	59	...	59
Commerce and Law.....	2	...	2	7	...	7	9	...	9
<i>Total</i>	218	22	240	401	22	423	421	26	447
EDUCATION									
General.....	8	15	23	13	17	30	...	...	...
Athletic Coaching.....	8	...	8	20	...	20	39	...	39
Smith-Hughes—Agriculture.....	3	...	3	7	...	7	...	...	...
Smith-Hughes—Home Economics.....	...	4	4	...	5	5	...	...	...
Industrial.....	2	...	2	4	1	5	3	...	3
<i>Total</i>	21	19	40	44	23	67	42	...	42
ENGINEERING									
Architecture.....	14	1	15	25	5	30	22	...	22
Architectural Eng.....	19	...	19	35	...	35	22	...	22
Ceramic Eng.....	7	...	7	14	1	15	19	...	19
Civil.....	53	...	53	81	...	81	67	...	67
Electrical.....	52	...	52	87	...	87	86	...	86
General Engineering.....	...	...	...	9	...	9	14	...	14
Mechanical.....	68	1	69	110	...	110	93	...	93
Mining.....	11	...	11	17	...	17	16	...	16
Municipal and Sanitary.....	2	...	2	3	...	3	2	...	2
Railway Civil.....	4	...	4	3	...	3	4	...	4
Railway Electrical.....	6	...	6	7	...	7	2	...	2
Railway Mechanical.....	...	...	...	1	...	1	3	...	3
General Engineering Physics.....	...	...	...	1	...	1	1	...	1
<i>Total</i>	236	2	238	393	6	399	351	...	351
AGRICULTURE									
General.....	116	5	121	183	2	185	149	3	152
Farm Organization and Management.....	5	...	5	8	1	9	9	...	9
Floriculture.....	4	...	4	3	...	3	2	...	2
Landscape Gardening.....	14	6	20	13	4	17	6	4	10
Home Economics.....	...	21	21	...	24	24	...	25	25
Smith-Hughes—Agriculture.....	...	...	...	7	1	8	1	...	1
Smith-Hughes—Home Economics.....	1	1	2	...	1	1	...	4	4
Special Vocational.....	...	...	...	...	...	...	...	...	...
<i>Total</i>	139	33	172	214	33	247	167	36	203
MUSIC									
.....	...	7	7	1	11	12	1	12	13
TOTAL UNDERGRADUATES	791	301	1092	1268	424	1692	1213	403	1616
LAW									
.....	<i>Fourth Year</i>			<i>Third Year</i>			<i>Second Year</i>		
3-year course.....	...	...	...	18	...	18	17	...	17
4-year course.....	1	...	1	10	...	10	10	1	11
<i>Total</i>	1	...	1	28	...	28	27	1	28
LIBRARY									
.....	...	...	...	...	...	...	4	9	13
TOTAL UNDERGRADUATE AND PROFESSIONAL STUDENTS AT URBANA									
GRADUATE SCHOOL									
<i>Deduct Duplicates (*)</i>									
TOTAL AT URBANA, WINTER SESSION									

SUMMARY OF STUDENTS

1921-1922

Freshmen			Irregular ¹			Special			Soldier Special ²	Vocational Special ³	Totals		
Men	Wom.	Total	Men	Wom.	Total	Men	Wom.	Total			Men	Wom.	Total
224	502	726	2	5	7	16	48	64	...	...	481	1227	1708
38	29	67	...	...	...	2	4	6	...	...	90	78	168
67	3	70	...	...	...	1	...	1	...	...	112	5	117
129	3	132	...	1	1	2	...	2	...	...	203	8	211
...	81	81	...	1	1	...	4	4	...	...	...	231	231
27	5	32	...	...	...	4	...	4	...	...	111	12	123
87	...	87	...	...	...	2	...	2	...	...	227	1	228
572	623	1195	2	7	9	27	56	83	...	...	1224	1562	2786
622	54	676	1	1	2	20	9	29	...	...	1278	113	1391
1	3	4	...	...	...	...	1	1	...	...	2	10	12
20	...	20	...	...	...	...	...	...	...	...	62	3	65
3	...	3	...	...	...	...	...	...	...	...	12	...	12
62	4	66	...	...	...	2	...	2	...	...	193	9	202
6	...	6	...	...	...	...	...	...	...	...	12	...	12
1	...	1	...	...	...	...	...	...	...	...	2	...	2
...	2	2	...	...	...	...	...	...	...	...	1	6	7
26	1	27	...	...	...	2	...	2	...	...	73	4	77
80	...	80	...	...	...	2	...	2	...	...	235	...	235
29	...	29	...	...	...	1	...	1	...	...	48	...	48
850	64	914	1	1	2	27	10	37	...	...	1918	145	2063
...	...	...	...	1	1	3	4	7	...	...	24	37	61
122	...	122	...	...	...	8	...	8	...	...	197	...	197
...	...	...	...	...	...	1	1	2	...	...	11	1	12
...	...	...	...	...	...	...	...	...	...	...	...	9	9
2	...	2	...	...	...	...	...	...	...	...	11	1	12
124	...	124	...	1	1	12	5	17	...	...	243	48	291
48	2	50	...	...	...	3	...	3	...	...	112	8	120
53	...	53	...	...	...	1	...	1	...	...	130	...	130
34	...	34	1	...	1	...	...	...	...	...	75	1	76
147	...	147	...	1	1	5	...	5	1	...	354	1	355
200	...	200	1	...	1	1	...	1	...	...	427	...	427
21	...	21	...	...	...	...	...	...	...	...	44	...	44
148	...	148	...	...	...	10	...	10	1	...	430	1	431
42	...	42	...	...	...	3	...	3	...	...	89	...	89
3	...	3	...	...	...	...	...	...	...	...	10	...	10
5	...	5	...	...	...	...	...	...	...	...	16	...	16
12	...	12	...	...	...	1	...	1	...	...	28	...	28
5	...	5	...	...	...	...	...	...	...	...	9	...	9
...	...	...	...	...	...	...	...	...	...	...	2	...	2
718	2	720	2	1	3	24	...	24	2	...	1726	11	1737
219	...	219	1	...	1	40	6	46	1	...	709	16	725
5	...	5	...	...	...	1	...	1	...	...	28	1	29
7	...	7	1	...	1	1	1	2	...	...	18	1	19
21	6	27	...	1	1	3	1	4	...	...	57	22	79
...	43	43	...	1	1	...	4	4	...	...	...	118	118
2	...	2	...	...	...	...	...	...	...	...	10	1	11
...	...	...	...	...	...	...	...	...	...	...	...	6	6
...	...	...	...	...	...	...	...	...	...	49	49	...	49
254	49	303	2	2	4	45	12	57	1	49	871	165	1036
6	34	40	5	6	11	1	17	18	...	...	14	87	101
2524	772	3296	12	18	30	136	100	236	3	49	5996	2018	8014
<i>First Year</i>													
49	...	49	1	...	1	11	1	12	...	...	96	1	97
11	...	11	...	...	...	...	...	...	...	...	32	1	33
60	...	60	1	...	1	11	1	12	...	...	128	2	130
1	20	21	...	...	...	...	7	7	...	...	5	36	41
.....											6129	2056	8185
.....											437	114	551
.....											18	4	22
.....											6548	2166	8714

SUMMER SESSION, 1921

Undergraduates.....	.....							
Graduates.....	.....							

Total, Summer Session.....

Deduct Duplicates (¹).....

Net Total (Summer Session only).....

TOTAL AT URBANA TO MARCH 1, 1922.....

MEDICINE (Chicago)	Fourth Year			Third Year			Second Year		
Graduate Work in Medical Sciences.....	...	...	...	...	...	...	...	...	...
Curriculum in Medicine.....	41	4	45	79	6	85	89	6	95

Total, Medicine.....

DENTISTRY (Chicago)..... 42 5 47 50 2 52 83 1 84

PHARMACY (Chicago)..... 55 1 56

TOTAL IN CHICAGO.....

TOTAL, WINTER SESSION (URBANA AND CHICAGO).....

TOTAL IN UNIVERSITY, TO MARCH 1, 1922.....

¹Students holding bachelor's degrees but taking undergraduate work.

²Discharged soldiers and sailors admitted by special provision.

³Sub-collegiate students under the auspices of the Federal Board for vocational education.

⁴Individuals who were registered part of the year as undergraduates and part of the year as graduate students

⁵Summer students who registered also during the following winter session.

.....											1190	554	1744
.....											188	44	232
.....											1378	598	1976
.....											694	193	887
.....											684	405	1089
.....											7232	2571	9803
<i>First Year</i>													
...	...	...	...	...	...	...	...	...	...	...	5	...	5
117	7	124	...	...	...	1	...	1	...	...	327	23	350
...	...	...	...	...	...	...	...	...	...	...	332	23	355
21	...	21	...	...	...	...	...	...	...	...	196	8	204
190	11	201	...	...	...	8	...	8	...	...	253	12	265
...	...	...	...	...	...	...	...	...	...	...	781	43	824
.....											7329	2209	9538
.....											8013	2614	10,627

DIRECTORY OF ALUMNI ASSOCIATIONS

GENERAL ALUMNI ASSOCIATION

"Begins where your student life ended"

Office: 358 Administration Building, University of Illinois, Urbana—Champaign
Official Publication: The Alumni Quarterly and Forthnightly Notes, 358 Administration Building.
Editor: Carl Stephens, '12.
President: Merle J. Trees, '09, 37 West Van Buren street, Chicago.
Business Manager: C. J. Rosebery, '09, 358 Administration Building, Urbana.
Secretary, and Editor of Publications: Carl Stephens, '12, 358 Administration Building, Urbana.

DEPARTMENTAL ALUMNI ASSOCIATIONS

The Alumni Association of the College of Medicine:
President: Dr. W. M. Crozier, '07, Alton, Illinois
Secretary: Dr. J. M. Kraus, '13, 3100 Washington boulevard, Chicago
The Alumni Association of the Library School
President: Julia W. Merrill, '09, Wisconsin Library School, Madison
Secretary: Josie B. Houchens, '05, University of Illinois Library, Urbana
The Alumni Association of the College of Dentistry
President: Frank J. Ryan, '09, University of Illinois College of Dentistry, Chicago
Secretary: W. H. Kusbicki, '12, 31 North Ardenian avenue, Chicago
The Alumni Association of the School of Pharmacy
President: James P. Crowley, '09, 300 West 34th street, Chicago
Secretary: Ben. L. Eicher, '11, Scrwya

LOCAL ALUMNI ASSOCIATIONS

Alabama

BERMINGHAM: Birmingham Illini Club

President: Earl N. Morrison, '12, care of American Cast Iron Pipe Co.
Secretary: J. Penesche, ex-'09, care of Stockham Pipe & Fittings Co.

Arizona

The Arizona Illini Club

Secretary: Julia Threlkeld, '15, 114 East Van Buren, Phoenix

California

SAN FRANCISCO: The Golden Gate Alumni Association of the University of Illinois

President: W. H. Kille, '07, 723 Hearst building
Secretary: Paul Fritchey, '12, 508 Washington street

Southern California: The University of Illinois Alumni Association of Southern California

President: Helen T. Kennedy, '09, Public Library, Los Angeles
Secretary: Emma E. Seibert, '01, 324 Kingsley avenue, Los Angeles

Colorado

DENVER: The Denver Illini Club

President: John H. Fagan, '06, 113 Masonic Temple
Secretary: D. R. Palmquist, '11, 1564 Clarendon street

PUEBLO: Pueblo Illini Club

President: James G. Elliott, '08, 2501 Greenwood street
Secretary: Mary McNally, '13, Carlsle Place

District of Columbia

WASHINGTON: University of Illinois Club of Washington

Secretary: Kenneth Barber, '16, care of Hon. Ira C. Copely, House Office Building

Georgia

ATLANTA: Atlanta Illini Club

President: W. Woods White, ex-'08, 35 Howard Street
Secretary: C. E. Trout, '17, 439 Peachtree Street

Illinois

ADAMS COUNTY: Adams County Illini Club

President: T. E. Mueselman, '10, 124 South 24th Street.
Secretary: Jennie D. Brakensiek, '09, Quincy

ALEXANDER AND PULASKI COUNTIES:

President: Taylor C. Clendenen, ex-'77, 811 16th street, Cairo
Secretary: Walter B. Warder, ex-'73, 2313 Hoffbreck avenue, Cairo

ATROSA: Atroza Illini Club

President: Maurice F. Lord, '09, 322 Coulter block
Secretary: Mary Hays, '12, 344 Marion avenue

BELLEVILLE: The Illini Club of Belleville

President: Wilbur Krebs, '16, 211 South High street
Secretary: Herman Wangelin, ex-'17, 301 Abend street

BOND COUNTY: Bond County Illini Club

President: John D. Suggs, '11, Greenville
Secretary: Mrs. Alice M. Long, '09, Greenville

- BOONE COUNTY: The Illini Club of Boone County
 President: R. W. Waugh, '08, Belvidere
 Secretary: Esther Sexauer, ex-'23, Belvidere
- BROWN COUNTY: The Brown County Illini Club
 President: H. G. Vandeventer, ex-'97, Mt. Sterling
 Secretary: Mrs. E. F. Crane, ex-'10, Mt. Sterling
- BUREAU COUNTY: Bureau County Illini Club
 President: Karl B. Seibel, '04, Princeton
 Secretary: Eckels Palmer, ex-'12, Princeton
- CALHOUN COUNTY: Calhoun County Illini Club
 President: J. A. Earley, ex-'94, Batchtown
- CASS COUNTY: The Cass County Illini Club
 President: Epler C. Mills, '20, Virginia
 Secretary: Lester Edwards, ex-'21, Ashland
- CHAMPAIGN COUNTY: The Champaign County Illini Club
 President: Roger Little, '07, 606 Chalmers street, Champaign
 Secretary: George Chapin, '06, 605 West Green street, Urbana
- CHICAGO: The Illini Club of Chicago
 President: Ralph D. Chapman, '15, 2151 East 70th street
 Secretary: E. P. Swett, ex-'13, 831 West Van Buren street
- CHICAGO: The Chicago Illinae Club
 President: Mrs. Paul Kircher, '14, 7332 Luella avenue
 Secretary: Ethel Hottinger, '19, 624 Belden avenue
- CHRISTIAN COUNTY: Illini Club of Christian County
 President: Troy Long, '05, Taylorville
 Secretary: C. E. Hay, '13, Taylorville
- CLARK COUNTY: The Clark County Illini Club
 President: O. R. Clements, '14, Marshall
 Secretary: E. H. Walworth, '13, Martinsville
- CLINTON: Clinton Illini Club
 President: Fred Alwood, '20, 609 East Johnston street
- CLINTON COUNTY: Clinton County Illini Club
 President: Paul V. Sebefer, '09, Carlyle
 Secretary: Charles Rehling, '15, Breesee
- COLES COUNTY: Illini Club of Coles County
 President: C. H. Fletcher, '13, Lindley building, Mattoon
 Secretary: Lois Scott, '19, 1416 Edgar avenue, Mattoon
- CRAWFORD COUNTY: Crawford County Illini Club
 President: W. W. Arnold, '01, Robinson
 Secretary: Mrs. Jessie Mail, Robinson
- CUMBERLAND COUNTY: The Cumberland County Illini Club
 President: Louis K. Voris, ex-'06, Neoga
 Secretary: C. B. Price, '16, Toledo
- DECATUR: Decatur Illini Club
 President: Frank Lindsay, '04, 346 West William street
 Secretary: Jack H. Powers, '17, 210 Powers building
- DE KALB COUNTY: De Kalb County Illini Club
 President: William J. Fulton, '08, Daniel Pierce building, Sycamore
 Secretary: L. B. Smith, '08, Court House, Sycamore
- DIXON: The Dixon Illini Club
 President: Betty Wingert, '21, 608 North Dixon avenue
 Secretary: Clara Armington, '18, 717 Hennepin avenue
- DOUGLAS COUNTY: Douglas County Illini Club
 President: B. M. Van Voorhis, ex-'07, Tuscola
 Secretary: Constance Fuller, Tuscola
- DU PAGE COUNTY: Du Page County Illini Club
 President: F. W. Von Oven, '98, Naperville
 Secretary: H. H. Kirkpatrick, '97, West Chicago
- EDGAR COUNTY: Edgar County Illini Club
 President: Henry F. Crosby, '16, Farm Bureau, Paris
 Secretary: Flavia McCallister, '21, 132 East Madison street, Paris
- EFFINGHAM COUNTY: Effingham County Illini Club
 President: Albert W. Wenthe, Effingham
 Secretary: J. L. Gardner, '11, Effingham
- FARMER CITY: The Farmer City Illini Club
 President: Grover Watson, '14
 Secretary: Irene Beckham
- FORD COUNTY: Ford County Illini Club
 President: Frank Hersman, '09, Gibson City
 Secretary: Caryl Strauss, ex-'21, 114 North Church street, Gibson City
- FRANKLIN COUNTY: Franklin County Illini Club
 President: Robert R. Ward, '03, Benton
 Secretary: Mrs. W. W. Hart, '16, Benton
- FREEPORT: Freeport Illini Club
 President: Raymond Britt, ex-'17, Route 6
 Secretary: L. F. Jungkunz, '16, 153 Carroll street
- FULTON COUNTY: Fulton County Illini Club
 President: H. S. Boyd, '00, Lewistown
 Secretary: F. A. Perkins, '01, Canton
- GREEN COUNTY: The Green County Illini Club
 President: Dr. R. C. Bates, '08, Roodhouse
 Secretary: E. M. Phillips, '04, Carrolton
- GRUNDY COUNTY: Grundy County Illini Club
 President: A. P. Macdonald, '16, Morris
 Secretary: George Baum, '21, Morris

- HANCOCK COUNTY: Hancock County Illini Club
 President: B. M. Cavanagh, '07, Carthage
 Secretary: Mrs. L. S. Foote, '18, Carthage
- HENDERSON COUNTY: Henderson County Illini Club
 President: F. M. Bane, '15, Stronghurst
 Secretary: Genevieve Adair, Stronghurst
- HENRY COUNTY: Henry County Illini Club
 President: C. A. Melin, '05, Cambridge
 Secretary: Ella M. Record, ex-'19, Cambridge
- IROQUOIS COUNTY: The Iroquois County Illini Club
 President: Nathan P. Goodell, '88, Loda
 Secretary: Lucy C. Bradrick, '13, 302 North 5th street, Watseka
- JACKSON COUNTY: Jackson County Illini Club
 President: LeRoy Stewart, '11, Murphysboro
 Secretary: Paul N. Arndt, ex-'18, Murphysboro
- JASPER COUNTY: Jasper County Illini Club
 President: J. H. Pursifall, '09, Newton
 Secretary: Lawrence E. Shup, '18, Newton
- JEFFERSON COUNTY: Jefferson County Illini Club
 President: Henry Ben Pope Ward, '07, Mt. Vernon
 Secretary: Ethel E. Green, ex-'12, Mt. Vernon
- JERSEY COUNTY: Jersey County Illini Club
 President: W. T. Sumner, ex-'97, Jerseyville
 Secretary: Fred A. Du Hadway, '15, Jerseyville
- KANKAKEE COUNTY: Kankakee County Illini Club
 President: F. W. Swannell, ex-'08, 153 North Indiana avenue, Kankakee
 Secretary: H. J. Troup, ex-'13, 667 South Chicago avenue, Kankakee
- KNOX COUNTY: Knox County Illini Club
 President: J. Grant Beadle, '08, Galesburg
 Secretary: Mrs. Edith B. Carper, '09, 514 Johnston street, Galesburg
- LAKE COUNTY: Lake County Illini Club
 President: A. L. Hall, '12, 627 County street, Waukegan
 Secretary: Dorothy Dunn, '19, 230 Genesee street, Waukegan
- LIVINGSTON COUNTY: Livingston County Illini Club
 President: Alvin Anderson, '20, Pontiac
 Secretary: Jessie McHarry, '11, Pontiac
- LOGAN COUNTY: Logan County Illini Club
 President: W. C. Handlin, '09, 504 Tremont street, Lincoln
 Secretary: W. P. Kuhl, '10, 132 9th street, Lincoln
- MCDONOUGH COUNTY: The McDonough County Illini Club
 President: T. W. Everett, ex-'15, Bushnell
 Secretary: Fred Terrill, '08, Colchester
- McHENRY COUNTY: Illini Club of McHenry County
 President: J. O. Tupper, '16, Harvard
 Secretary: A. M. Shelton, '03, Woodstock
- McLEAN COUNTY: McLean County Illini Club
 President: H. K. Dick, '14, 705 East Walnut, Bloomington
 Secretary: H. Fahrnkopf, '13, Farm Bureau, Bloomington
- MADISON COUNTY: Illini Club of Madison County
 President: Harold Boeschenstein, '20, 234 East 12th street, Alton
- MARION COUNTY: Marion County Illini Club
 President: Fred L. Wham, '09, Centralia
 Secretary: Margaret Weldon, Centralia
- MARSHALL COUNTY: Marshall County Illini Club
 President: Dr. T. C. Coggsal, '04, Henry
 Secretary: Paul Grieves, ex-'09, Lacon
- MASON COUNTY: Mason County Illini Club
 President: L. K. Ellsberry, '10, Havana
 Secretary: F. I. Mitchell, ex-'19, Havana
- MASSAC COUNTY: Massac County Illini Club
 President: Eugene A. McCall, '01, Metropolis
 Secretary: W. P. Bunn, ex-'97, Metropolis
- MENARD COUNTY: Menard County Illini Club
 President: Henry E. Pond, '05, Petersberg
 Secretary: Beulah Wood, '08, Petersberg
- MONTGOMERY COUNTY: Montgomery County Illini Club
 President: J. M. Avery, '14, Hillsboro
 Secretary: Mrs. Alden Snyder, '11, Hillsboro
- MORGAN COUNTY: Morgan County Illini Club
 President: Harlan Williamson, '19, 222 East State street Jacksonville
 Secretary: Mrs. Ray Scott, Jacksonville
- MOULTRIE COUNTY: Moultrie County Illini Club
 President: J. L. McLaughlin, '09, Sullivan
 Secretary: Charlotte Baker, '11, Sullivan
- NORTHWESTERN ILLINOIS: The Illini Club of Northwestern Illinois
 President: J. H. Samuels, '88, 2515 6th avenue, Moline
 Secretary: Nels A. Larson, '03, 1339 15th street, Moline
- OGLE COUNTY: Ogle County Illini Club
 President: S. W. Crowell, ex-'92, Oregon
 Secretary: Alice Thomas, '21, Mt. Morris
- PEORIA: Peoria Illini Club
 President: W. W. Day, '10, 1014 Peoria Life building
 Secretary: F. J. Foersterling, '11, 311 South Washington street
- PERRY COUNTY: Perry County Illini Club
 President: Catherine E. Parks, '17, DuQuoin
 Secretary: Hiley Ward, '21, 22 Mulberry street, DuQuoin

- PIATT COUNTY: Piatt County Illini Club
 President: Burl A. Edie, '20, Monticello
 Secretary: Charles McIntosh, ex-'99, Monticello
- PIKE COUNTY: Pike County Illini Club
 President: Clarence Williams, ex-'13, Pittsfield
 Secretary: Otis Kercher, '14, Pittsfield
- RANDOLPH COUNTY: Randolph County Illini Club
 President: L. F. Hachman, ex-'17, Sparta
- RICHLAND COUNTY: Richland County Illini Club
 President: A. J. Wharf, '98, Olney
 Secretary: H. B. Piper, '13, Olney
- ROCKFORD: Rockford Illini Club
 President: G. K. Squier, '17, 515 Indian Terrace
 Secretary: Clyde Weingartner, '15, 2117 Melrose street
- SALINE COUNTY: Saline County Illini Club
 President: Lana Weaver, '10, Harrisburg
 Secretary: Mrs. Myrtle Combe, '09, Harrisburg
- SCHUYLER COUNTY: Schuyler County Illini Club
 President: Paul W. Morning, Rushville
 Secretary: J. A. Thompson, '05, Rushville
- SCOTT COUNTY: Scott County Illini Club
 President: Mrs. R.H.Allan, ex-'17, Winchester
 Secretary: Isabelle Smithson, ex-'24, Winchester
- SHELBY COUNTY: Shelby County Illini Club
 President: J. K. Hoagland, '99, Clarksburg
 Secretary: Robert Jarnagin, '16, Shelbyville
- SPRINGFIELD: The Springfield Illini Club
 President: A. H. Gottschalk, '19, 414 West Edwards street
 Secretary: Russell B. Liedel, '17, 403 North 4th street
- STREATOR: Streator Illini Club
 President: T. L. Boys, '11, 308 East Kent street
 Secretary: Lester Kern, care of C. S. Cray Co.
- TAZEWELL COUNTY: Tazewell County Illini Club
 President: W. S. Prettyman, '04, Pekin
 Secretary: R. J. Railsback, '99, Hopedale
- VERMILION COUNTY: Vermilion County Illini Club
 President: J. H. Checkley, '13, 1116 North Sheridan drive, Danville
 Secretary: Mabel A. Bredehoft, '09, 309 Walnut street, Danville
- WARREN COUNTY: Warren County Illini Club
 President: Ralph R. Wells, '12, Monmouth
 Secretary: Mrs. Frank Stewart, '18, Princeville
- WASHINGTON COUNTY: Washington County Illini Club
 President: B. B. Holston, '94, Greenville
 Secretary: Ruth Bernreuter, '20, Nashville
- WHITESIDE COUNTY: Whiteside County Illini Club
 President: Carl Sheldon, '99, Sterling
 Secretary: D. E. Buyers, '12, Sterling
- WILL COUNTY: Will County Illini Club
 President: August Maue, '91, 212 Sherman street, Joliet
 Secretary: Geraldine Daly, '18, 201 South Center street, Joliet
- WILLIAMSON COUNTY: Williamson County Illini Club
 President: Orlie Rue, '15, Marion
 Secretary: Mary Belle Warder, Marion

Indiana

- FORT WAYNE: Illini Club of Fort Wayne
 President: LeRoy Bradley, '17, 245 East Butler street
 Secretary: Eva McKinnie, '07, 922 Jackson street
- INDIANAPOLIS: Indianapolis Illini Club
 President: W. T. MacDonald, '10, 305 Merchants Bank Bldg.
 Secretary: S. C. Hadden, '05, 702 Wulsin Bldg.
- LAFAYETTE: Lafayette Illini Club
 President: A. P. Poorman, '07, 329 Russell street, Lafayette
 Secretary: C. W. Shook, '15, 629 University street West Lafayette

Iowa

- IOWA CITY: Iowa City Illini Club
 President: Professor H. Olin, '14, University of Iowa
 Secretary: Jean Richmond, '18, 323 North Liny street
- DES MOINES: Des Moines Illini Club
 President: Dr. L. J. Carter, Iowa building
 Secretary: Marguerite Gauger, '13, Des Moines College, Highland Park

Kansas

- LAWRENCE: Lawrence Illini Club
 President: George Clark, '16, University of Kansas
 Secretary: Margaret Barto, '17, 1047 Kentucky street
- MANHATTAN: Manhattan Illini Club
 President: Mrs. J. E. Ackert, '12, 1605 Humboldt
- TOPEKA: Topeka Illini Club
 President: Frank M. Chase, ex-'12, 1121 Arch street
 Secretary: Clemma E. Bollard, ex-'18, 1419 College avenue
- WICHITA: Wichita Illini Club
 President: Dr. L. F. Bowman, '12, 115 South Volutsia avenue
 Secretary: H. S. Mueller, '14, 145 North Main Street

Kentucky

LOUISVILLE: Louisville Illini Club
 President: A. B. Sawyer, '10, St. Matthews, Ky.
 Secretary: F. L. Morgan, '12, 1110 Cherokee Road

Massachusetts

THE NEW ENGLAND ILLINI CLUB
 President: C. E. Holcomb, '04, 42 Robinwood avenue, Jamaica Plain
 Secretary: R. C. Maley, '15, 141 Milk street, Boston

Michigan

DETROIT: Detroit Illini Club
 President: P. S. Hanna, '12, 611 Free Press building

Minnesota

ILLINI CLUB OF THE NORTHWEST
 President: O. A. Hall, '07, 212 Metropolitan Blk. Bldg., St. Paul
 Secretary: H. S. Reid, '18, 834 Ashland avenue, St. Paul

Missouri

KANSAS CITY: Kansas City Illini Club
 President: R. J. Candor, '08, 4025 Main street
 Secretary: W. H. Stedman, ex-'10, 1527 Grand Avenue
 KANSAS CITY: Kansas City Illinae Club
 President: Mrs. C. R. Nickolls, '17, 3334 Bellefontaine avenue
 Secretary: Bertha Wiles, '17, 31 West 59th street
 ST. LOUIS: St. Louis Illini Club
 President: W. P. Ropiquet, '14, 1720 Boatmen's Bank Bldg.
 Secretary: L. E. Mier, '14, 7208 S. Broadway
 ST. LOUIS: St. Louis Illinae Club
 President: Mrs. Ira D. Allison, '03, 4219 A De Tonty street
 Secretary: Eloise Koch, '17, 2738 Accomac street
 STODDARD COUNTY: The Stoddard County Illini Club
 President: Lewis E. Montgomery, ex-'15, Dexter
 Secretary: J. E. Dunn, '06, Dexter

New York

BUFFALO: The Buffalo Illini Club
 President: Dr. John A. Miller, '85, 176 Norwood avenue
 Secretary: Dan M. Rugg, '10, 21 Manchester place
 ITHACA: The Illini Club of Ithaca
 President: W. L. Williams, ex-'79, 115 Valentine place
 Secretary: O. A. Johannsen, '94, 203 Parkway, Cayuga Heights
 NEW YORK: New York City Illini Club
 President: G. P. Sawyer, '11, 15 Broad street
 Secretary: James F. Brown, '13, 120 Broadway
 SCHENECTADY: The Schenectady Illini Club
 President: B. G. Hatch, '19, Lighting Dept., General Electric C.
 Secretary: W. C. Heckman, '20, 1113 Union street

North Dakota

AGRICULTURAL COLLEGE: Agricultural College Illini Club
 President: F. S. Kimball, '18
 Secretary: E. S. Keene, '90
 VALLEY CITY: Valley City Illini Club
 President: Eugene McFarland, '12
 Secretary: Ina Robertson, '21, State Teacher's College

Ohio

AKRON: Akron Illini Club
 President: Mrs. Chester Graham, '20, 108 North Nebraska street
 Secretary: Rita Stinson, '16, Municipal University
 CINCINNATI: Dr. H. M. Goodyear, '13, in charge, 8 East Eighth street
 CLEVELAND: Cleveland Illini Club
 President: Mary Melrose, '10, 1804 East 100th street
 Secretary: Ferdinand Jehle, '10, 3445 East 150th street
 COLUMBUS: Columbus Illini Club
 President: J. S. Coffey, '12, Ohio State University

Oklahoma

MUSKOGEE: Muskogee Illini Club
 President: Percy Gumm, '10, Metropolitan building
 Secretary: Forrest Bebb, '16, 310 West Broadway
 OKLAHOMA CITY: Oklahoma City Illini Club
 President: F. P. Knight, ex-'18, 901 Grand avenue
 Secretary: Mrs. Robert M. Johnston, '14, 1125 North Harvey
 OKMULGEE: Illini Club of Okmulgee
 President: W. H. Fursman, '04, 610 South Okmulgee avenue
 Secretary: I. H. Cox, '08, 620 South Okmulgee avenue
 TULSA: The Tulsa Illini Club
 President: Robert A. Burton, '17, Atoc building
 Secretary: LeGrange Ratcliffe, '16, 202 Gillette building

Oregon

PORTLAND: The Portland Illini Club
 President: A. H. Burton, '07, 585 Alder street
 Secretary: R. M. Stevens, '14, 1040 Chamber of Commerce

Pennsylvania

- PHILADELPHIA:** The Philadelphia Illini Club
 President: A. B. Hammitt, '15, Land Title building
 Secretary: Mrs. Helen N. Armstrong, '04, 5629 Springfield avenue
- PITTSBURGH:** The Pittsburgh Illini Club
 President: F. S. Kailer, '12, Frick building
 Secretary: J. L. Crawford, '17, 241 McKee place
- PITTSBURGH:** Illinae Club of Pittsburgh
 President: Clara Howard, '01, Carnegie Library
 Secretary: Mrs. George H. Mengel, '15, 302 44th street Arsenal Station

Tennessee

- MEMPHIS:** Memphis Illini Club
 President: H. A. Wiersema, '13, Morgan Eng. Co.
 Secretary: Charles Pennebaker, '15, 1191 Vance avenue

Texas

- DALLAS:** The Dallas Illini Club
 President: Fiske Miles, ex-'14, 405 Deere building

Utah

- SALT LAKE CITY:** Salt Lake City Illini Club
 President: Eddy Lee, '78, 48 North Temple street
 Secretary: Charles C. Brooks, '17, 1007 1st avenue

Washington

- THE PUGET SOUND ILLINI CLUB**
 President: John K. Bush, '00, 133 Dorffel drive, Seattle
 Secretary: G. W. Stoddard, '17, 158 28th avenue, Seattle

Wisconsin

- BELOIT:** Beloit Illini Club
 President: F. R. O'Neal, Hyde & Brittan building
 Secretary: R. R. Hawkins, '13, Y. M. C. A.
- MADISON:** Madison Illini Club
 President: Robert P. Gage, '14, 1710 Jefferson street
 Secretary: M. E. Dunlap, '14, 137 Prospect street
- MILWAUKEE:** Milwaukee Illini Club
 President: L. J. Selzer, '18, 1254 40th street
 Secretary: H. L. Flodin, '15, 1326 First Wisconsin National Bank building

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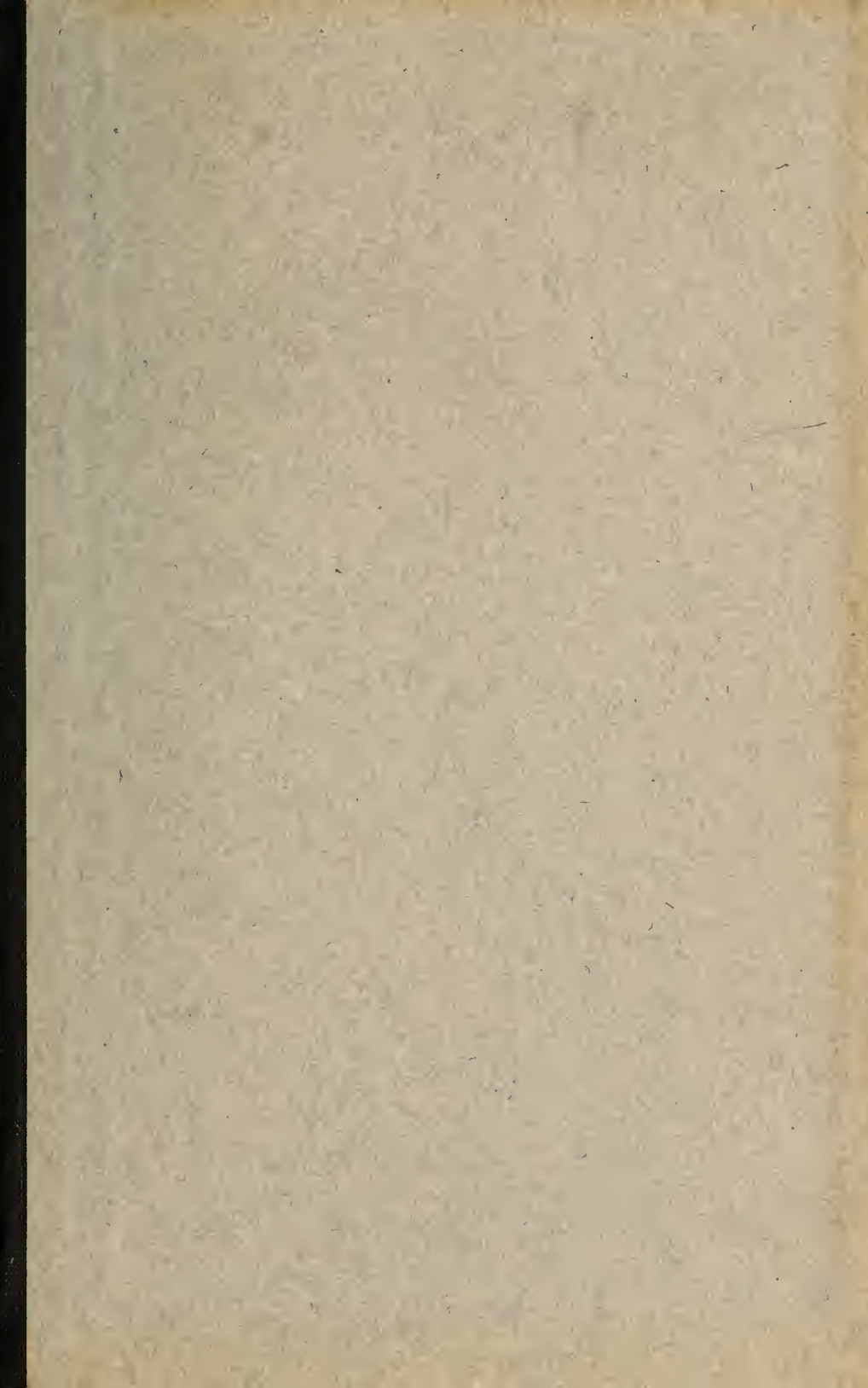
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