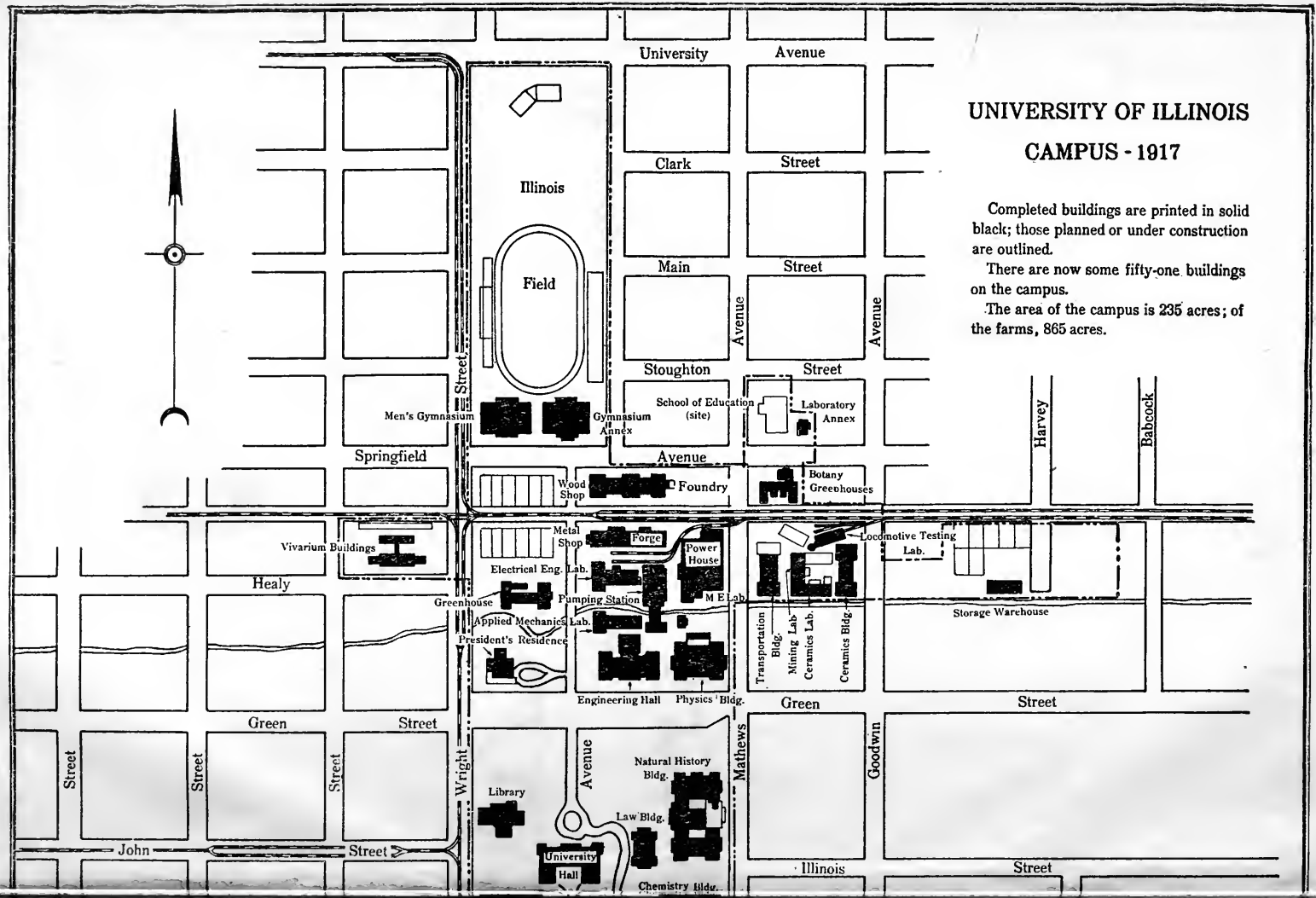
University of Illinois
Annual Register
1916-1917

Published by the University



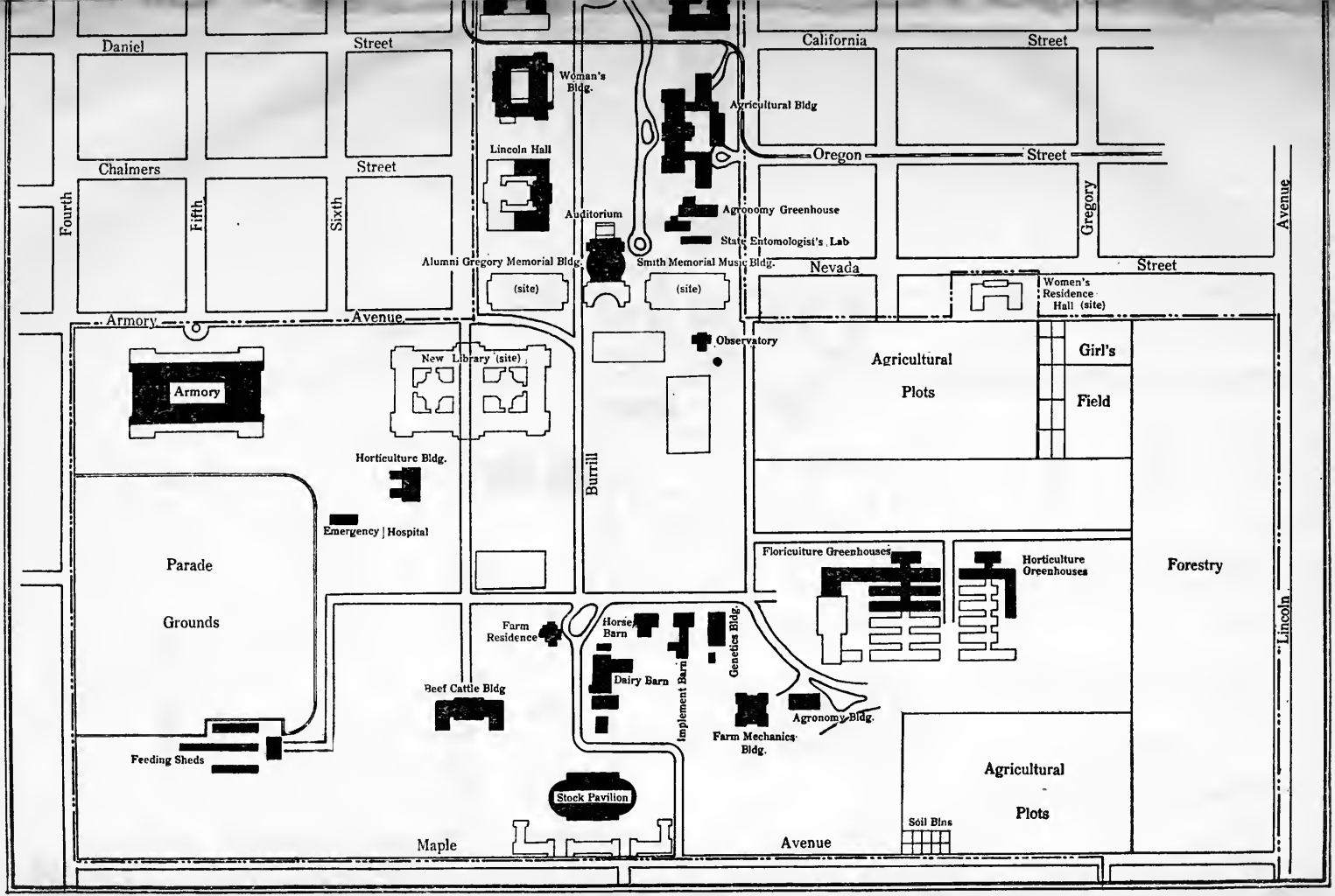
UNIVERSITY OF ILLINOIS

CAMPUS - 1917

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

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

The area of the campus is 235 acres; of the farms, 865 acres.


Daniel
Street
California
Street
Woman's Bldg.
Agricultural Bldg
Lincoln Hall
Chalmers
Street
Oregon
Street
Fourth
Fifth
Sixth
Auditorium
Agrooomy Greenhouse
State Entomologist's Lab
Gregory
Avenue
Alumni Gregory Memorial Bldg.
(site)
Smith Memorial Music Bldg.
(site)
Nevada
Street
Women's Residence Hall (site)
Armory
Avenue
Observatory
Armory
New Library (site)
Agricultural
Plots
Girl's
Field
Horticulture Bldg.
Burrill
Emergency Hospital
Parade
Grounds
Floriculture Greenhouses
Horticulture Greenhouses
Forestry
Farm Residence
Horse Barn
Genetics Bldg.
Dairy Barn
Implement Barn
Beef Cattle Bldg
Agronomy Bldg.
Farm Mechanics Bldg.
Feeding Sheds
Agricultural
Plots
Stock Pavilion
Soil Bins
Maple
Avenue
Lincoln

Learning and Labor

University of Illinois

ANNUAL REGISTER
1916-1917

General Announcements, 1917-1918
Faculty and Courses, 1916-1917
Students, 1916-1917

URBANA
PUBLISHED BY THE UNIVERSITY
FEBRUARY, 1917

ILLINOIS PRINTING COMPANY
DANVILLE, ILL.

CONTENTS

CALENDAR 1916, 1917, 1918

1916

JULY

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1917

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1918

JANUARY

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MARCH

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THE UNIVERSITY CALENDAR

1916–1917–1918

FIRST SEMESTER, 1916-1917

Sept. 11–15, Mon. to Fri.	Entrance examinations
Sept. 12, Tues.	Quarterly meeting of the Board of Trustees
Sept. 13, Wed.	Scholarship examinations for second nominees
SEPT. 18, 19, MON., TUES.	REGISTRATION DAYS
Sept. 18, Mon.	Registration, School of Pharmacy
7 p. m.	Examination for exemption from Rhetoric 1
Sept. 20, Wed.	**Instruction begun**
4 p. m.	Freshman convocation
Sept. 20–22, Wed. to Fri.	Entrance examinations, departments in Chicago
Sept. 23, Sat.	Assignments in the Brigade posted (Engineering Building, first door, west end)
Sept. 25, Mon.	Military drill (Mil. 2) and Hygiene lectures (P. T. 1a and 9) begun
	Registration, School of Pharmacy
Sept. 25–28, Mon. to Thurs.	Examinations for removal of conditions, College of Medicine
Sept. 28, Thurs.	Registration, College of Medicine
Sept. 30, Sat., 5 p. m.	Latest day for rebates in full and for change of study-list without fee
Oct. 2, Mon.	Senate meeting
Oct. 4, Wed.	Registration, College of Dentistry
Oct. 5, Thurs.	Registration closes, College of Medicine
Oct. 14, Sat.	Registration closes, College of Dentistry
Oct. 16, Mon.	Assignment of vacant scholarships in agriculture and household science
Oct. 20, Fri., 5 p. m.	Latest day for removal of "incompletes"
	Russian Symphony Orchestra
Nov. 6, Mon., 5 p. m.	Latest day for announcement of subjects of all undergraduate and graduate theses
Nov. 17–19, Fri. to Sun.	Alumni home coming
Nov. 18, Sat., 5 p. m.	Latest day for rebates of one-half fees
Nov. 23–25, Thurs. to Sat.	High school conference
Nov. 27–29, Mon. to Wed.	Engineering inspection trips
	Household science inspection trip
Nov. 30, Thurs.	Thanksgiving day
Dec. 3, Sun.	Illinois day
Dec. 4, Mon.	Senate meeting
	St. Louis Symphony Orchestra
Dec. 8, Fri.	Junior promenade
Dec. 12, Tues.	Quarterly meeting of the Board of Trustees
Dec. 19, Tues., 8 p. m.	Christmas concert

Dec. 21, Thurs., 11 a. m.	**Holiday recess begun**
Dec. 30, Sat., 5 p. m.	Latest day for submission of outlines of theses by candidates for professional degrees in engineering
Jan. 3, Wed., 1 p. m.	**Instruction resumed**
Jan. 8–20	Short courses in ceramic engineering and highway engineering
Jan. 15–27	Short courses in agriculture and household science
Jan. 22, Mon.	Minneapolis Symphony Orchestra
Jan. 24–27, Wed. to Sat.	Entrance examinations
Jan. 25, Thurs.	**Semester examinations begun**
Jan. 29–Feb. 2, Mon. to Fri.	Semester examinations, College of Dentistry Short course in business
Jan. 29–Feb. 3, Mon. to Sat.	Semester examinations, College of Medicine
Feb. 1, Thursday	**Semester examinations ended**
Feb. 3, Sat.	First Semester ends, School of Pharmacy

SECOND SEMESTER, 1916-1917

Feb. 5, 6, Mon., Tues.	Registration Days
Feb. 5, Mon.	Registration, School of Pharmacy Senate meeting
Feb. 5-10, Mon. to Sat.	Library inspection trip
Feb. 7, Wed., 8 a. m.	**Instruction begun**
Feb. 12, Mon.	Lincoln day
Feb. 17, Sat., 5 p. m.	Latest day for rebates in full and for change of study-list without fee
Feb. 22, Thurs.	Washington day
Feb. 23, Fri.	Military ball
March 2, Fri.	University day Annual band concert
March 9, Fri., 5 p. m.	Latest day for removal of "incompletes" and for removal by seniors of first semester failures
March 13, Tues.	Annual meeting of the Board of Trustees
March 26, Mon.	New York Symphony Orchestra
March 31, Sat., 5 p. m.	Latest day for filing of completed theses by candidates for professional degrees in engineering
April 2, Mon.	Senate meeting
April 5, Thurs., 11 a. m.	**Easter recess begun**
April 5–11	Geology inspection trip Animal husbandry inspection trip
April 7, Sat., 5 p. m.	Latest day for rebates of one-half fees
April 10, Tues., 12 m.	**Instruction resumed**
May 12, Sat., 12 m.	Latest day for 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 17–19, Thurs. to Sat.	Public school art exhibit
May 18, Fri., evening	Interscholastic oratorical contest
May 19, Sat.	Interscholastic athletic meet
May 30, Wed.	Military day

May 31, Thurs., 8 a. m.	**Final examinations begun**
June 1, Fri., 12 m.	Latest day for acceptance of undergraduate theses
June 2, Sat., 12 m.	Latest day for receipt by the Dean of the Graduate School of certified copies of masters' theses
June 4, Mon.	Senate meeting
June 6, Wed.	Final examinations ended, School of Pharmacy
June 7, Thurs.	**Final examinations ended**
June 10, Sun.	Baccalaureate address
June 11, Mon.	Class day
	Senior ball
June 12, Tues.	Alumni day
	Quarterly meeting of the Board of Trustees
JUNE 13, WED.	FORTY-SIXTH ANNUAL COMMENCEMENT

SUMMER SESSION, 1917

JUNE 18, MON.	REGISTRATION DAY
June 19, Tues.	**Instruction begun**
July 7, 14, 21, 28, Sat.	Entrance examinations
Aug. 9, 10, Thurs., Fri.	**Final examinations**

FIRST SEMESTER, 1917-1918

Sept. 10–14, Mon. to Fri.	Entrance examinations
Sept. 11, Tues.	Quarterly meeting of the Board of Trustees
Sept. 12, Wed.	Scholarship examination for second nominees
SEPT. 17–18, MON., TUES.	REGISTRATION DAYS
Sept. 17, Mon.	Registration, School of Pharmacy
7 p. m.	Examination for exemption from Rhetoric 1
Sept. 19, Wed., 8 a. m.	**Instruction begun**
4 p. m.	Freshman convocation
Sept. 20–22, Thurs. to Sat.	Entrance examinations, departments in Chicago
Sept. 22, Sat.	Assignments in the Brigade posted (Engineering Building, first floor, west end)
Sept. 24, Mon.	Military Drill (Mil. 2) and Hygiene lectures (P. T. 1a and 9) begun
Sept. 26–29, Wed. to Sat.	Examinations for removal of conditions, College of Medicine
Sept. 27, Thurs.	Registration, College of Medicine
Sept. 29, Sat., 5 p. m.	Latest date for rebates in full and for change of study-list without fee
Oct. 1, Mon., 4 p. m.	Senate meeting
	Instruction begun, College of Medicine
Oct. 1–2, Mon., Tues.	Registration, College of Dentistry
Oct. 2, Tues.	Instruction begun, School of Pharmacy
Oct. 6, Sat.	Registration closes, College of Medicine
Oct. 12, Fri.	Assignment of vacant scholarships in agriculture and household science
Oct. 13, Sat.	Registration closes, College of Dentistry
Oct. 19, Fri.	Latest date for removal of "incompletes"
Oct. 28–30, Fri. to Sun.	Alumni home coming
Nov. 5, Mon., 5 p. m.	Latest day for announcement of subjects for all undergraduate and graduate theses

Nov. 8–10, Thurs. to Sat.		Engineering inspection trips
Nov. 17, Sat.		Latest date for rebates of one-half fees
Nov. 20–28		Mining inspection trip
Nov. 22–24, Thurs. to Sat.		High school conference
		Household science inspection trip
Nov. 29, Thurs.		Thanksgiving day
Dec. 3, Mon.		Illinois day
		Senate meeting
Dec. 7, Fri., 8 p. m.		Iowa-Minnesota-Illinois debates
		Junior promenade
Dec. 11, Tues.		Quarterly meeting of the Board of Trustees
	8 p. m.	Christmas concert
Dec. 15, Sat.		Holiday recess begun, School of Pharmacy
Dec. 21, Fri.,	**11 a. m.**	**Holiday recess begun**
	5 p. m.	Holiday recess begun, College of Dentistry
	6 p. m.	Holiday recess begun, College of Medicine
Dec. 31, Mon.,	5 p. m.	Latest day for submission of outlines of theses by candidates for professional degrees in engineering
Jan. 3, Thurs.,	8:30 a. m.	Instruction resumed, College of Dentistry
Jan. 3, Thurs.,	**1 p. m.**	**Instruction resumed**
Jan. 7–19		Short courses in ceramic engineering and highway engineering
Jan. 14–26		Short course in household science
Jan. 24, Thurs.		**Semester examinations begun**
Jan. 28–Feb. 1, Mon. to Fri.		Short course in business
Jan. 30–Feb. 2, Wed. to Sat.		Entrance examinations
Jan. 31, Thurs.		**Semester examinations ended**

SECOND SEMESTER, 1917–1918

Feb. 4, 5, Mon., Tues.		Registration Days
Feb. 4, Mon.		Senate meeting
Feb. 4–8, Mon. to Fri.		Semester examinations, College of Dentistry
Feb. 4–9, Mon. to Sat.		Semester examinations, College of Medicine
Feb. 6, Wed.,	**8 a. m.**	**Instruction begun**
Feb. 9, Sat.		First Semester ends, School of Pharmacy
Feb. 11, Mon.		Second Semester, College of Dentistry and School of Pharmacy
		Second Semester, College of Medicine
Feb. 12, Tues.		Lincoln day
Feb. 16, Sat.		Last day for rebates in full and for change of study-list without fee
Feb. 22, Fri.		Washington day
		Military ball
March 1, Fri.		Annual band concert
March 2, Sat.		University day
March 8, Fri.		Latest day for removal of incompletes and for removal by seniors of first semester failures
March 12, Tues.		Annual meeting of the Board of Trustees
March 15, Fri.		Midwest League debate
March 28, Thurs.	**11 a m.**	**Easter recess begun**

March 29–April 1	Chemistry inspection trip
April 1, Mon., 5 p. m.	Latest day for filing of completed theses by candidates for professional degrees in engineering
	Senate meeting
April 1–7	Geology inspection trip
April 2, Tues. 1 p. m.	**Instruction resumed**
April 6, Sat., 5 p. m.	Latest day for rebates of one-half fees
April 8, Mon.	Animal husbandry inspection trip
April 16, Tues.	Railway inspection trip
April 24, Wed.	Commencement, School of Pharmacy
May 3, Fri.	Northern Oratorical League contest
May 9–11, Thurs. to Sat.	Public school art exhibit
May 10, Fri.	Interscholastic oratorical contest
May 11, Sat.	Interscholastic athletic meet
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 27, Mon.	Final examinations begun, Colleges of Medicine and Dentistry
May 30, Thurs.	Military Day
May 31, Fri., 8 a. m.	**Final examinations begun**
June 1, Sat.,	Class day, College of Dentistry
	Latest day for acceptance of undergraduate theses
12 m.	Latest day for receipt by the Dean of the Graduate School of certified copies of masters' theses
June 3, Mon.	Senate meeting
June 5, Wed.	Final examinations ended, School of Pharmacy
June 7, Fri.	**Final examinations ended**
June 8, Sat.	Final examinations ended, College of Medicine
	Class day and alumni meeting, College of Medicine
June 9, Sun.	Baccalaureate address
June 10, Mon.	Class day
8:30 p. m.	Senior ball
June 11, Tues.	Alumni day
10 a. m.	Quarterly meeting of the Board of Trustees
JUNE 12, WED.	FORTY-SEVENTH ANNUAL COMMENCEMENT

THE BOARD OF TRUSTEES

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HON. FRANK O. LOWDEN.....*Springfield*

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HON. JAMES E. TAGGART.....*Freeport*

The Superintendent of Public Instruction

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

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JOHN R. TREVETT.....*Champaign*
FLORENCE E. WATSON.....*Iola*

(*Term, 1915–1921*)

ROBERT F. CARR.....*2005 McCormick Building, Chicago*
LAURA B. EVANS.....*Taylorville*
ROBERT R. WARD.....*Benton*

(*Term, 1917–1923*)

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MARY E. BUSEY.....*Urbana*
OTIS W. HOIT.....*Geneseo*

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Instruction—Francis G. Blair, Chairman; Robert R. Ward, Florence E. Watson

Library—Mary E. Busey, Chairman; Ellen M. Henrotin, Florence E. Watson

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Walter C. Lindley ..... *Danville*
George T. Page ..... *Peoria*
Peter P. Schaefer ..... *Champaign*

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George C. Lescher ..... *Galesburg*
Albert Zimmerman ..... *Peoria*

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W. D. Gates ..... *Chicago*
J. W. Stipes ..... *Champaign*
Eben Rodgers ..... *Peoria*

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W. G. Bierd ..... *Chicago*
Hale Holden ..... *Chicago*
W. B. Storey ..... *Chicago*

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Joseph Newman ..... *Elgin*
R. B. Swift ..... *Libertyville*
F. G. Austin ..... *Effingham*
J. P. Mason ..... *Elgin*

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A. A. Hill ..... *Casner*
A. C. Rice ..... *Jacksonville*
H. J. Sconce ..... *Sidell*
G. C. Outten ..... *Mt. Zion*

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W. N. Rudd.....*Morgan Park*
F. L. Washburn.....*Bloomington*
J. F. Ammann.....*Edwardsville*

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H. A. Aldrich.....*Neoga*
H. M. Dunlap.....*Savoy*
August Geweke.....*Des Plaines*
W. S. Perrine.....*Centralia*

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M. P. Lantz.....*Carlock*
C. J. McMasters.....*Altona*

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J. P. Mason.....*Elgin*
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[2] On leave, first semester.
[3] On leave.

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Maud Edna Parsons, A.B., *Associate in Household Science and Director of the Lunch Room*
Ernest James Reece, Ph.B., *Associate in Library Economy*
Christian Alban Ruckmich, Ph.D., *Associate in Psychology*
Harrison August Ruehe, B.S., *Associate in Dairy Manufactures*

Fred B Seely, B.S., *Associate in Theoretical and Applied Mechanics*
William Herschel Smith, M.S., *Associate in Animal Husbandry*
Robert Carl Zuppke, Ph.B., *Associate in Football*
Harry Franklin Harrington, A.M., *Associate in English*
Charles Earl Bradbury, B.P., *Associate in Art and Design*
Alfred Copeland Callen, M.S., *Associate in Mining Engineering*
Harold Newcomb Hillebrand, Ph.D., *Associate in English*
Robert Edwin Kennedy, *Associate in Foundry Practise*
Alonzo Plumsted Kratz, M.S., *Research Associate in Mechanical Engineering*
Fred Weaver Muncie, Ph.D., *Associate in Chemistry in Floriculture*
Lorinda Perry, Ph.D., *Associate in Household Science*
Warren Albert Ruth, A.M., *Associate in Chemistry in Horticulture*
Joel Andrew Sperry, II, Ph.D., *Associate in Bacteriology*
James Garfield Stevens, Ph.D., *Associate in Sociology*
Harley Jones Van Cleave, Ph.D., *Associate in Zoology*
Lucile Wheeler, Ph.D., *Associate in Household Science*
Charles Allyn Williams, Ph.D., *Associate in German*
Horace Grove Deming, Ph.D., *Associate in Chemistry*
Rhodes Robertson, M.Arch., *Associate in Architectural Design*

LECTURERS

Edna Lyman Scott, *Special Lecturer on Library Work for Children*
Robert Enoch Hieronymus, A.M., LL.D., *Community Adviser*
Fred Hall Kay, B.S., *Lecturer on Geology*
Noble Lee Garrison, A.M., *Lecturer on Education*
Walter Scott Hendrixson, Ph.D., *Lecturer on Chemistry*

INSTRUCTORS

Martha Jackson Kyle, A.M., *Instructor in English*
Daisy Luana Blaisdell, A.M., *Instructor in German*
Henri Jacobus van den Berg, *Instructor in Piano*
Edgar Thomas Lanham, *Instructor in Forge Shop*
Albert Austin Harding, B.Mus., *Instructor in Wind Instruments and Director of the University Military Band*
Mary Minerva Wetmore, *Instructor in Art and Design*
Harry Frederick Godeke, B.S., *Instructor in Mechanical Engineering*
George Wellington Pickels, Jr., B.C.E., C.E., *Instructor in Civil Engineering*
John Giffin Thompson, Ph.D., *Instructor in Economics*
Frank Walker Reed, Ph.D., *Instructor in Astronomy*
William Horace Rayner, B.S., *Instructor in Civil Engineering*
John Lyon Rich, Ph.D., *Instructor in Geology*
Raymond Earl Davis, B.S., *Instructor in Civil Engineering*
Armin Hajman Koller, Ph.D., *Instructor in German*
Edward Wilson Chittenden, Ph.D., *Instructor in Mathematics*
William Wells Denton, Ph.D., *Instructor in Mathematics*
Marvin Edward Jahr, A.B., *Instructor in Farm Mechanics*
Edson Wilfred Morphy, *Instructor in Violin*
Chester Otis Reed, B.S., *Instructor in Farm Mechanics*
Edna Almeda Treat, B.Mus., *Instructor in Piano*
Ethel Bond, A.B., B.L.S., *Instructor in Library Economy and Assistant in charge of the Collections in Library Economy*
Edwin John Manley, *Instructor in Swimming*

Heber Dignam Nasmyth, *Instructor in Voice*
Clarissa Rinaker, Ph.D., *Instructor in English*
Henry John Broderson, Ph.D., *Instructor in Chemistry*
Mervin James Curl, A.M., *Instructor in English*
Easley Stephen Jones, A.M., *Instructor in English*
Walter Byron McDougall, Ph.D., *Instructor in Botany*
Queen Lois Shepherd, Ph.D., *Instructor in Philosophy*
Rufus Crane, A.B., B.S., *Instructor in General Engineering Drawing*
Verna Brooks, A.B., *Instructor in Physical Training for Women*
Elmer Tryon Ebersol,[1] A.B., B.S., *Instructor in Crop Production*
Roy Newton Fargo, B.S., *Instructor in Physical Training for Men and Director of the Men's Gymnasium*
Forest Addison Fisher, B.S., *Instructor in Soil Physics*
Georgia Elizabeth Fleming, B.S., *Instructor in Textiles*
Stella Mary Hague, Ph.D., *Instructor in Botany*
Gustav H Radebaugh, *Instructor in Machine Work*
Hiram Thompson Scovill, A.B., *Instructor in Accountancy*
Harry William Waterfall, B.S., *Instructor in Machine Design*
Harold Eaton Babbitt, B.S., *Instructor in Municipal and Sanitary Engineering*
Roger Sherman Loomis, B.Lit., A.M., *Instructor in English*
Arthur Grenville Eldredge, *Instructor in Photography and Director of the Photographic Laboratories*
Gustave Adolph Gross, *Instructor in Pattern Making*
Robert Douglas Glasgow, Ph.D., *Instructor in Entomology*
Mamie Bunch, A.B., *Instructor in Household Science, State Leader in Home Economics Extension*
Lynn Harold Harris, Ph.D., *Instructor in English*
Horatio Sprague McDewell, B.S., M.E., *Instructor in Mechanical Engineering*
Harrison McJohnston, A.M., *Instructor in Business English and Salesmanship*
George Wallace Sears, Ph.D., *Instructor in Chemistry*
Russell McCulloch Story, A.M., *Instructor in Political Science*
Robert Calvin Whitford, A.M., *Instructor in English*
Anna Waller Williams, A.M., *Instructor in Household Science*
John Williams Davis, M.E., *Instructor in Electrical Engineering*
Ralph Stanley Fanning, B.Arch., *Instructor in Architectural Design*
Jessie Yereance Cann, Ph.D., *Instructor in Chemistry*
William Sidney Wolfe, M.S., *Instructor in Architectural Engineering*
Edwin Frank,[1] B.S., *Instructor in Mechanical Engineering*
James Burton Andrews, B.S., *Instructor in Animal Husbandry*
William James Putnam, B.S., *Instructor in Theoretical and Applied Mechanics*
Elmer Roberts, B.S., *Instructor in Genetics*
James Harvey Hogue, *Instructor in Foundry Practise*
Carl Rahn, Ph.D., *Instructor in Psychology*
Robert Eugene Cushman, A.B., *Instructor in Political Science*
Orr Milton Allyn,[1] B.S., *Instructor in Crop Production*
James Burton Andrews, B.S., *Instructor in Animal Husbandry*
Clarence Allen Atwell, B.S., *Instructor in General Engineering Drawing*
William Sanford Brock, B.S., *Instructor in Pomology*
Wilbur Jerome Carmichael, B.S., *Instructor in Animal Husbandry*
Jeremiah Amos DeTurk, B.S., *Instructor in Machine Shop Practise*

[1] Resigned.

Lemuel Cross Dillenback, A.M., *Instructor in Architectural Design*
Gideon Robert Forbes, B.S., M.L.A., *Instructor in Art and Design*
James Henry Greene, M.S., *State Leader in Junior Extension*
Allene Gregory, Ph.D., *Instructor in English*
Alfred Joseph Gunderson, B.S., *Instructor in Pomology*
Anna Lue Hughitt, *Instructor in Physical Training for Women*
Sigurd Bernhard Hustvedt, Ph.D., *Instructor in English*
Oliver Kamm, Ph.D., *Instructor in Chemistry*
Charles Ivan Newlin, M.S., *Instructor in Animal Husbandry*
Heinrich Waldemar Nordmeyer, Ph.D., *Instructor in German*
Hugh Wiley Puckett, Ph.D., *Instructor in German*
Clarence Stanley Sale, B.S., *Instructor in Civil Engineering*
Roscoe Raymond Snapp, B.S., *Instructor in Animal Husbandry*
William Macy Stanton, M.S., *Instructor in Architecture*
Charles Leslie Stewart, Ph.D., *Instructor in Economics*
Francis Maurice VanTuyl, Ph.D., *Instructor in Geology*
Levi Thomas Wilson, Ph.D., *Instructor in Mathematics*
William Wodin Yapp, B.S., *Instructor in Dairy Husbandry*
Edna Mosher, Ph.D., *Instructor in Entomology*
Leona Hope, *Instructor in Household Science*
Carl Victor Burger, B.Arch., *Instructor in Drawing*
Ananias Charles Littleton, A.B., *Instructor in Accountancy*
Frank Tatham Johnson, *Instructor in Voice*
Maybelle Genevieve Wright, B.Mus., *Instructor in Music*
Walter Rooke Evans, *Instructor in Boxing and Wrestling*
Gerard van Rossen Hoogendijk, Ph.D., *Instructor in Chemistry*
Arthur C Harper, M.E., *Instructor in Mechanical Engineering*
Howard Clinton Arnold, A.M., *Instructor in Ceramic Engineering*
Harry Torsey Baker, A.M., *Instructor in English*
Theodore Rolly Ball, Ph.D., *Instructor in Chemistry*
William Everett Britton, A.M., J.D., *Instructor in Business Law*
Niels Henricksen Debel, Ph.D., *Instructor in History*
Mary C DeGarmo, A.M., *Instructor in Household Science*
Paul Howard Douglas, A.M., *Instructor in Economics*
Edgar Wallace Engle, Ph.D., *Instructor in Chemistry*
Duane Taylor Englis, Ph.D., *Instructor in Chemistry in Floriculture*
Oscar Friedrich Wilhelm Fernsemer, Ph.D., *Instructor in German*
Merlin Harold Hunter, Ph.D., *Instructor in Economics*
Harry Charles Gilkerson, B.S., *Instructor in Soil Fertility*
Henry Elmer Hoagland, A.M., *Instructor in Economics*
Lyman Morse Kells, Ph.D., *Instructor in Mathematics*
Charles LeDeuc, LL.B., Ph.D., *Instructor in Accountancy*
Jean Gilbert MacKinnon, A.M., *Instructor in Household Science*
Floyd William Mohlman,[1] Ph.D., *Instructor in Sanitary Chemistry*
Ralph Edward Muehlman, *Instructor in Architectural Design*
Cyrus Edmund Palmer, M.S., *Instructor in Architectural Engineering*
John Jay Parry, Ph.D., *Instructor in English*
Maximilian Josef Rudwin, Ph.D., *Instructor in German*
Frederick Arthur Russell, Ph.D., *Instructor in Economics*
Lew R Sarett, A.B., LL.B., *Instructor in English*
Warren Rippey Schoonover, M.S., *Instructor in Soil Fertility*

[1] Resigned.

Hamilton Jewett Smith, A.M., *Instructor in English*
Howard John Snider, B.S., *Instructor in Soil Fertility*
Owen James Trainor Southwell, A.B., *Instructor in Architectural Design*
Bernhard Alexander Uhlendorf, A.M., *Instructor in German*
Sabra Wilbur Vought, B.L.S., *Instructor in Library Economy*
Edward Harvey Walworth, B.S., *Instructor in Crop Production*
Robert Bruce Weirick, A.M., *Instructor in English*
Frank Archibald Wyatt, Ph.D., *Instructor in Soil Fertility*
Olga Edith Leaman, *Instructor in Music*
John Rogers Musselman, Ph.D., *Instructor in Mathematics*
Harold Malcolm Westergaard, Ph.D., *Instructor in Theoretical and Applied Mechanics*
Herbert E Eastlack, Ph.D., *Instructor in Chemistry*
Lloyd Morey, A.B., B.Mus., C.P.A., *Instructor in Accountancy*
Ernest Michael Rudolph Lamkey, Ph.D., *Instructor in Floricultural Pathology*
Solomon Cady Hollister, B.S., *Instructor in Theoretical and Applied Mechanics*
Frank Erwin Richart, A.M., *Instructor in Theoretical and Applied Mechanics*
Frederick Osban Anderegg, Ph.D., *Instructor in Chemistry*
Viola Jennie Anderson, M.S., *Instructor in Household Science*
Nellie Eileen Bussell, A.B., *Instructor in Physical Training*
Edward Earle Swinney, A.B., *Instructor in Public School Music*
Joseph Edwin Burgess, B.P., *Instructor in Freehand Drawing*
Leo Starr Baldwin, B.S., *Instructor in General Engineering Drawing*
Claude Lowell Harrell, B.S., *Instructor in Mechanical Engineering*
Peter Jacob Nilson, B.S., *Instructor in Electrical Engineering*
Fred Wilbur Tanner, Ph.D., *Instructor in Bacteriology*
Emerson Grant Sutcliffe, A.M., *Instructor in English*
Paul William Allen, M.S., *Instructor in Dairy Bacteriology*
Harvey Francis Rawlings, M.D., *Instructor in Anatomy*
Tell William Nicolet, M.L.A., *Instructor in Landscape Gardening*
James W O'Gorman, A.M., *Instructor in Education*

ASSISTANTS

James Merion Duncan, *Assistant in Pattern Making*
Sada Annis Harbarger, A.M., *Assistant in English*
Ruth Kelso, A.M., *Assistant in English*
Elizabeth Parnham Brush, A.M., *Assistant in History*
Bessie Rose Green, A.M., *Assistant in Zoology*
Peter Joseph Rebman, *Assistant in Forge Shop*
John Alexander Frisk, *Assistant in Mechanical Engineering and Mechanician in the Mechanical Engineering Laboratory*
Rosa Lee Gaut, B.Mus., *Assistant in Physical Training for Women*
Earle Horace Warner, A.M., *Assistant in Physics*
Benjamin Lester Bowling, *Assistant in the Highway Laboratory*
Charles Seraphin Carry, *Assistant in Romance Languages*
Joseph Harvey Checkley, B.S., *Assistant in Agricultural Extension*
Arthur Samuel Colby, B.S., *Assistant in Pomology*
Harrison Fred Theodore Fahrnkopf, B.S., *Assistant in Soil Fertility*
Raymond Washington Hess, A.M., *Assistant in Chemistry*
Alma Jessie Neill, A.M., *Assistant in Physiology*
Clarence Samuel Ross, A.B., *Assistant in Geology*
Scott Champlin Taylor, B.S., *Assistant in Chemistry*

Louis Allen, A.B., *Assistant in Romance Languages*
Harry Montgomery Weeter, A.B., *Assistant in Dairy Husbandry*
Paul Anders, *Assistant in Glass Blowing*
Paul Levern Bayley, A.M., *Assistant in Physics*
Clyde Byron Beck, A.B., *Assistant in English*
Nora Elizabeth Dalbey, A.M., *Assistant in Botany*
William Henry Dreesen, A.B., *Assistant in Economics and Commerce*
Henry Mathusalem DuBois, A.M., *Assistant in Geology*
Carl Herman Haessler, A.B., *Assistant in Philosophy*
William Henry Hyslop, A.M., *Assistant in Physics*
Forrest Ellwood Kempton, M.S., *Assistant in Botany*
Harry Cleveland Kremers, M.S., *Assistant in Chemistry*
Henry Gustav May, B.S., *Research Assistant in Zoology*
Jay Earll Miller, LL.B., A.M., *Assistant in History*
Edwin Arthur Rees, A.M., *Assistant in Chemistry*
Charles Francis Hill, A.M., *Assistant in Physics*
William Barber Nevens, B.S., *Assistant in Dairy Husbandry*
Howard Dexter Brown, B.S., *Assistant in Olericulture*
Claude Harper, B.S., *Assistant in Animal Husbandry*
August George Hecht, B.S., *Assistant in Floriculture*
Lee Ellis Miles, A.B., *Assistant in Floriculture*
James Wilbur Weisenand, B.S., *Assistant in Animal Husbandry*
James Manley Phelps, A.B., *Assistant in English*
Rafael Arcangel Soto, B.S., *Assistant in Romance Languages*
Henry Joseph Weiland, B.S., *Research Assistant in Chemistry*
Earl Kirkwood Augustus, B.S., *Assistant in Animal Husbandry*
Walter Spurgeon Beach, M.S., *Assistant in Botany*
Harriett Josephine Berninger, A.B., *Assistant in Education*
Don Warren Bissell, B.S., *Assistant in Chemistry*
Raymond Franklin Borden, A.M., *Assistant in Mathematics*
Joseph Marvin Braham, M.S., *Research Assistant in Chemistry*
Fannie Maria Brooks, A.B., *Assistant in Home Economics Demonstration*
Harold Clayton Case, B.S., *Assistant in Farm Management*
Beatrice Virginia Copley, A.B., *Assistant in English*
Myrtle Amy Cruzan, A.B., *Assistant in English*
Eric Allen Dawson, B.S., A.M., *Assistant in Romance Languages*
Charles Stever Fazel, A.M., *Assistant in Physics*
Frank Farnsworth Footitt, A.B., *Assistant in Chemistry*
Jay Thomas Ford, A.B., *Assistant in Chemistry*
William Garfield Kammlade, B.S.A., *Assistant in Animal Husbandry*
Walter Gerald Karr, B.S., *Assistant in Chemistry*
Luther Eugene Kennedy, A.M., *Assistant in Geology*
George Burr McMillen, A.B., *Assistant in Accountancy*
Alfred Thorpe Morison, B.S., *Assistant in Crop Production*
William Algernon Kingsmill Morkel, B.S., *Assistant in Animal Husbandry*
Caroline Ruth Morris, A.B., *Assistant in Physical Training for Women*
Robert Emmet Murphy, *Assistant in General Engineering Drawing*
Albert Waffle Owens, B.S., *Assistant in Chemistry*
Olive Belle Percival, B.S., *Assistant in Home Economics Extension*
William Eugene Pickler, A.B., *Assistant in Botany*
John Benjamin Rice, B.S., *Assistant in Animal Husbandry*
Rodney Potter Robinson, A.M., *Assistant in the Classics*

Alvin Romeiser, N.A.G.O., *Assistant in Physical Training, in Charge of Fencing*
Floyd Elba Rowland, B.S., A.M., *Assistant in Chemistry*
John Raymond Shulters, A.M., *Assistant in Romance Languages*
Glenn Seymour Skinner, A.M., *Assistant in Chemistry*
Maynard Elmer Slater, B.S., *Assistant in Animal Nutrition*
Laurence Emerson Thorne, B.S., *Assistant in Agricultural Statistics and Genetics*
Carryl Nelson Thurber, A.B., *Assistant in English*
Leon Deming Tilton, B.S., *Assistant in Landscape Extension*
Ralph Waldo Tippet, A.M., *Assistant in Chemistry*
Leighton J True, B.S., *Assistant in Dairy Manufactures*
Ernest Henry Vollweiler, A.B., *Assistant in Chemistry*
William Alexander Van Winkle, B.S., *Assistant in Chemistry*
Quinton Forrest Walker, A.M., *Research Assistant in the Graduate School*
Terrence Onas Westhaefer, A.B., *Assistant in Chemistry*
Gerold Carl Wichman, A.B., *Assistant in Psychology*
Roy Harold Wilcox, B.S., *Assistant in Animal Husbandry*
Esther Young, A.M., *Assistant in Botany*
Merton Ford Banks, B.S., *Assistant in General Engineering Drawing*
Roy Andrew Nelson, B.S., *Assistant in Physics*
Carl Eli Pike, B.S., *Assistant in Physics*
Walter Andrew Shewhart, A.M., *Assistant in Physics*
Harry Warren Anderson, A.M., *Assistant in Botany*
Harry James Beattie, A.M., *Assistant in Chemistry*
John Sherman Beekley, A.B., *Assistant in Mathematics*
Otto Sternoff Beyer, Jr., M.E., *Research Assistant in Railway Engineering*
Samuel E Bilik, D.N., *Assistant in Athletic Training*
Harry Tyler Booth, M.S., *Assistant in Physics*
Louis Ignatius Bredvold, A.M., *Assistant in English*
Washington Irving Brockson, M.S., *Assistant in Crop Production*
Pembroke Holcomb Brown, A.B., *Assistant in Economics*
Harold Farnsworth Childs, A.M., *Assistant in English*
Louis Philip Costa, A.M., *Assistant in Romance Languages*
Herbert Knight Dennis, A.M., *Assistant in Sociology*
Henry Carl Eckstein, B.S., *Assistant in Animal Nutrition*
Marie Freeman, A.B., *Assistant in Lunch Room Management*
Richard Alonzo Gantz, A.B., *Assistant in Botany*
Walter Arthur Gatward, M.S., *Research Assistant in Electrical Engineering*
Harrison Frederick Gonnerman, M.S., *Research Assistant in Theoretical and Applied Mechanics*
Anne I Greene, B.S., *Assistant in Home Economics Extension*
Charles Francis Green, A.M., *Assistant in Mathematics*
Coleman Roberts Griffith, A.B., *Assistant in Psychology*
Cecil Robert Gross, B.S., *Assistant in Bacteriology*
Chester Clyde Harbison, B.E., A.B., *Assistant in English*
Clarence Marke Hebbert, M.S., *Assistant in Mathematics*
John Frederick Gross Hicks, B.S., *Assistant in Chemistry*
George Marsh Higgins, A.M., *Assistant in Zoology*
James Ernest Kindred, A.M., *Assistant in Zoology*
Robert Hills Kingman, A.B., *Assistant in Zoology*
Joseph Krafka, Jr., A.M., *Research Assistant in Zoology*
Paul Nissley Landis, A.M., *Assistant in English*

Ralph Harlan Linkins, A.M., *Assistant in Zoology*
Manuel Leon Lopez, A.B., *Assistant in Romance Languages*
Peter Horatio Lucas, A.B., *Research Assistant in Astronomy*
Friend Lee Mickle, A.B., *Assistant in Chemistry*
Maurice Elzin Murphy, A.M., *Assistant in Economics*
Frederick Irwin Myers, A.M., *Assistant in English*
Naomi Olive Newburn, A.B., *Assistant in Home Economics Extension*
George Hillis Newlove, A.M., *Assistant in Accountancy*
James Harris Olewine, B.S., *Assistant in Chemistry*
Franklin Charles Palm, A.M., *Assistant in History*
Katherine Hill Paul, *Scientific Artist in Zoology*
Alfred Richard Powell, A.M., *Assistant in Chemistry*
Mary Melvina Records, *Assistant in Household Science*
Chris Simeon Rhode, B.S., *Assistant in Dairy Husbandry*
Clarence Hudson Richardson, B.S., *Assistant in Mathematics*
Ralph Emerson Rindfuss, A.M., *Assistant in Chemistry*
Anna Sophie Rogers, A.M., *Assistant in Psychology*
John Carl Ross, Ph.D., *Assistant in Animal Nutrition*
Ray Iris Shawl, B.S., *Assistant in Farm Mechanics*
Charles Stockman Spooner, A.B., *Assistant in Entomology*
John Alford Stevenson, A.M., *Assistant in Education*
Gerald Darfield Stopp, A.B., *Assistant in English*
Leo Roy Tehon, A.B., *Assistant in Botany*
Edward Fritchoff Torgerson, B.S., *Assistant in Soil Physics*
Joseph Boyce Vernon, A.B., *Assistant in Economics*
Edwin Frederick Voigt, B.S., *Assistant in Bacteriology*
Bernice Cornelia Wait, B.S., *Assistant in Household Science*
Henry Joseph Weiland, M.S., *Assistant in Chemistry*
Hermann H Wiebe, A.M., *Assistant in German*
Leroy Alonzo Wilson, M.M.E., *Research Assistant in Mechanical Engineering*
Edward G Squire, B.S., *Assistant in Dairy Manufactures*
Park Powell, B.S., *Assistant in Romance Languages*
Truman George Yuncker, A.M., *Assistant in Botany*
Lloyd Brelsford Howell, A.B., *Assistant in Chemistry*
Warren Kenneth Layton, A.B., *Assistant in Education*
Jacob Ray Stear, B.S., *Assistant in Entomology*
Lansing Sadler Wells, A.B., *Assistant in Chemistry*
Edward George Lauterbach, B.S., *Assistant in Floriculture*
Orlando d'Amato, A.B., *Assistant in Romance Languages*
Mary Emma Renich, A.M., *Assistant in Botany*
William Sidney Spicer, M.S., *Assistant in Zoology*
Pedro Bach y Rita, Maestro Superior, *Assistant in Romance Languages*
Josephine Kennedy, A.B., *Assistant in Physiology*
Herbert August Winkelmann, M.S., *Assistant in Chemistry*
Ethel Ernestine Sabin, Ph.D., *Assistant in English*
Russell Starkey Bracewell, A.B., *Assistant in Dairy Chemistry*
Henry Dixon Oberdorfer, Jr., B.S., *Assistant in Accountancy*
Arthur Blaine Haw, *Research Assistant in Chemistry*

GRADUATE ASSISTANTS

John Bernis Brown, B.S., *Graduate Assistant in Chemistry*
William Robert Bruce, A.B., *Graduate Assistant in Chemistry*

Ralph William Hufford, A.B., *Graduate Assistant in Chemistry*
Louis Jordan, A.B., *Graduate Assistant in Chemistry*
Ruth Elizabeth Okey, B.S., *Graduate Assistant in Chemistry*
Margaret Campbell Perry, A.B., *Graduate Assistant in Chemistry*
James Keel Reed, A.B., *Graduate Assistant in Chemistry*
Helen Updegraff, A.B., *Graduate Assistant in Chemistry*
Leonard Francis Yntema, A.B., *Graduate Assistant in Chemistry*
Francis Marsh Baldwin, A.M., *Graduate Assistant in Zoology*
Cecil Wayne Boyle, A.B., *Graduate Assistant in Chemistry*
Herbert Ephraim French, A.B., *Graduate Assistant in Chemistry*
Gertrude Mellen Hooper, A.B., *Graduate Assistant in Zoology*
Jessie Marie Jacobs, A.M., *Graduate Assistant in Mathematics*
Minna Ernestine Jewell, A.B., *Graduate Assistant in Zoology*
Morris Johnson Kernall, A. M., *Graduate Assistant in Zoology*
William Lionel McClure, A.B., *Graduate Assistant in Chemistry*
Carl Shipp Marvel, A.M., *Graduate Assistant in Chemistry*
Sargent Gastman Powell, M.S., *Graduate Assistant in Chemistry*
Otto M Smith,[1] B.S., *Graduate Assistant in Chemistry*
Lola Ernesta Swift, A.B., *Graduate Assistant in Museum of Natural History*
Jesse Roy Christie, B.S., *Graduate Assistant in Zoology*
Herman Edward Redenbaugh, A.B., *Graduate Assistant in Chemistry*
Isaac Hahn Godlove, A.M., *Graduate Assistant in Chemistry*
John Douglas McKinley, A.M., *Graduate and Research Assistant in Classics*
Lynne Herman Ulich, B.S., *Graduate Assistant in Chemistry*
Ruby Mabel Grimes, A.M., *Graduate Assistant in Mathematics*
Miner Manley Austin, A.B., *Graduate Assistant in Chemistry*
Norris Fey Murray, B.S., *Graduate Assistant in Chemistry*
Albert Merrit Santee, A.B., *Graduate Assistant in Education*
Otis Avery Barnes, B.S., *Graduate Assistant in Chemistry*

STUDENT ASSISTANTS

Leon Adler, *Student Assistant in Chemistry*
Adolph Walter Landstrom, *Student Assistant in Chemistry*
William Thoreau Bryant, B.S., *Student Assistant in Chemistry*
Norris Onslow Taylor, *Student Assistant in Chemistry*
Eunice Louise Badger, *Student Assistant in Physical Training*
Sakai Keitoku, A.B., *Student Assistant in Chemistry*
Isadore Morton, *Student Assistant in Chemistry*

ASSISTANTS IN MILITARY SCIENCE

William Oscar Nelson, *Assistant in Military Science*
John Howard Powers, *Assistant in Military Science*
William Franklin Campbell, *Assistant in Military Science*
John Taylor Lewis, *Assistant in Military Science*
Robert Henry Engle, *Assistant in Military Science*
John Rodger Lindsey, *Assistant in Military Science*
Manierre Barlow Ware, *Assistant in Military Science*
Lyle Henry Gift, *Assistant in Military Science*
Harry Lee Husson, *Assistant in Military Science*
Abraham Reuel Keagy, *Assistant in Military Science*

[1] Resigned.

ONE-YEAR MEDICAL COLLEGE
(URBANA)

FACULTY

EDMUND JANES JAMES, Ph.D., LL.D., *President*
KENDRIC CHARLES BABCOCK, Ph.D., LL.D., *Dean*
WILLIAM ALBERT NOYES, Ph.D., LL.D., *Professor of Chemistry and Director of the Chemical Laboratory*
HENRY BALDWIN WARD, Ph.D., *Professor of Zoology*
WILLIAM EDWARD BURGE, Ph.D., *Assistant Professor of Physiology and Acting Head of the Department of Physiology*
JOHN STERLING KINGSLEY, D.Sc., *Professor of Zoology*
VICTOR ERNEST SHELFORD, Ph.D., *Assistant Professor of Zoology*
ROGER ADAMS, Ph.D., *Assistant Professor of Chemistry*
HOWARD BISHOP LEWIS, Ph.D., *Associate in Physiological Chemistry*
JOEL ANDREW SPERRY, II., Ph.D., *Associate in Bacteriology*
HARLEY JONES VAN CLEAVE, Ph.D., *Associate in Zoology*
OLIVER KAMM, Ph.D., *Instructor in Chemistry*
FRED WILBUR TANNER, Ph.D., *Instructor in Bacteriology*
HARVEY FRANCIS RAWLINGS, M.D., *Instructor in Anatomy*
ALMA JESSIE NEILL, A.B., *Assistant in Physiology*
WALTER GERALD KARR, B.S., *Assistant in Chemistry*
GLENN SEYMOUR SKINNER, A.M., *Assistant in Chemistry*
ERNEST HENRY VOLLWEILER, A.B., *Assistant in Chemistry*
RALPH EMERSON RINDFUSS, A.M., *Assistant in Chemistry*
LLOYD BRELSFORD HOWELL, A.B., *Assistant in Chemistry*
JOSEPHINE KENNEDY, A.B., *Assistant in Physiology*
WILLIAM SIDNEY SPICER, M.S., *Assistant in Zoology*
CARL SHIPP MARVEL, A.M., *Graduate Assistant in Chemistry*

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[1]Resigned, September 30, 1916.

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[1] Resigned

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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 twenty-nine 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 has no dormitories, but the number of boarding houses is large, and there are sixty-three residence halls erected by fraternities, sororities, and local clubs.

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

Under a special State law, the liquor traffic has been barred from all territory within a radius of four miles from the University.

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 interurban 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 an *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 legislative 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

See page 414.

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 are now, therefore, three *ex officio* and nine elective members. (For the previous organization of the Board see 1867 and 1873 above.)

1887. The Agricultural Experiment Station established at the University

See page 409.

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 upon 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 416.

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, however, 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 of study 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

See page 415.

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 419.

1903. The Engineering Experiment Station established

See page 412.

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 upon his duties in the fall of that year.

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.

1905. The State Geological Survey established

See page 417.

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.

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.

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.

1911. Cooperative Investigation of Illinois Coal Problems

See page 420.

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 reopened

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 reopened.

The College of Dentistry was reopened 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.

EQUIPMENT

BUILDINGS AND GROUNDS

The land occupied by the University embraces 236 acres, besides a farm of 949 acres. There are at the present time some fifty-one buildings on the campus.

Liberal Arts Group

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. This 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 Group

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 blue print department of the University 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, which will have five stories available, fireproof. 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 amphitheatre, which seats 390. The side wings of the building contain the general student laboratories, while the center portions of both old and new structures are occupied by offices, class and seminar rooms, library, museums, supply rooms, and graduate research laboratories. The main store room 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 135 feet by 275 feet. It is occupied by the departments of botany, entomology, zoology, physiology, geology, and mathematics, together with the offices and equipment of the State Geological Survey, and the State Natural History Survey, and the office of 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 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 Ecological Laboratory (remodeled and reconstructed in 1914 from a residence at 1210 Springfield avenue) is equipped for the experimental study of the relations of animals to environment.

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 serving two greenhouses, together with two screened houses. The main building is a brick structure, two stories high, connected to 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 horticultural inspection, 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. An adjacent building with a 15-foot dome was erected in 1914.

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 56) is a second unit of this building and will eventually be occupied by this College.

Engineering Group

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 mechanical engineering. A portion of the third floor and all of the fourth floor are 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) is a brick building with a frontage of 120 feet and a total depth of 182 feet, which during the present year has been changed in the interior 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 will be mounted all of the principal equipment in the laboratory; in the basement auxiliary apparatus will be 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 Road Materials Laboratory (erected 1910) is a two-story brick building containing the laboratories, 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 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 Mining Engineering Laboratory (erected 1912) is a one-story building having a floor area of 3,600 square feet. It contains a chemical laboratory for the department of mining engineering, and a Mine Rescue Station equipped and arranged for training men in the methods of mine rescue work.

The Ceramic Engineering Building (erected 1915-16) is a three-story structure, 188x65 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 fireproof building with brick walls, 117 feet long and 42 feet wide, 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 a "transite" (or 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 height.

The Transportation Building (erected 1912) is a three-story fireproof building of brick trimmed with stone. The dimensions of the building are 65x189 feet and the total floor area is 34,225 square feet. The first and second floors of the building are occupied by the departments of railway 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 four office rooms, a machine shop, and a forge shop. The machine shop is 48 by 140 feet. Power is supplied by a twenty-horsepower 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 part of the building devoted to the wood shop contains a bench room, lathe room, machine room, and various smaller rooms for lectures and exhibition purposes. The part devoted to the foundry has a molding floor 35x80 feet, traversed by a five-ton traveling crane, and a basement room for the storage of materials.

Agricultural Group

The Agricultural 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 in height, 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 (erected 1915) is a wooden structure 36 by 70 feet, designed as a service and storage building for the field work of the department of agronomy.

The Animal Husbandry Cattle Feeding Plant has a capacity for feeding 150 steers at a time. It consists of open and closed sheds with paved lots adjoining, with a storage barn 44 by 72 feet and an experimental silo.

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, which is reached by an elevator, furnishes storage room for the greater part of $16,000 worth of farm machinery, lent the College by various 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 Beef Cattle Building (erected 1904-5) 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. Other portions of the building are used as quarters for the breeding herd, and will accommodate about 100 head of cattle.

The Cattle Feeding Plant (erected 1915-16) is of brick and wood construction, located on the axis of Fourth street, south of the "Farm Lane." The lower part is a fireproof structure, 300 feet long, open to the south. The feeding lots are paved with brick and extend out some 30 feet from the building line. The plant is used as a storage place for feed for the animal husbandry department, and the upper stories are constructed as an elevator with large grain bins, where several tons of grain can be elevated, preparatory to grinding, shipping, or feeding. In connection with the plant is a corn crib of the capacity of 12,000 bushels. The four silos to the north are 16x70 and open into the feed room of the plant. They are of three different materials: tile, concrete, and brick.

The Experimental Dairy Barns (erected 1912) comprise a round barn 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. Its location and construction insures dry footing and ample light and ventilation throughout the year.

Other buildings for the accommodation of live stock are the horse barn, the piggery, and two large barns on the South Farm.

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. Arrangements are to be made providing for a division of the arena into three parts, giving three separate judging rooms for instructional purposes. The building also contains class rooms and offices. Stabling will be provided in a separate structure. 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 genetics department of the Agricultural College. 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 rooms, 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 labor-

atories, lecture room, herbarium 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.

Law Building

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.

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 feet long and 66½ feet deep with a one-story annex, 48 feet 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 Adviser to Foreign Students, and the Alumni Association, 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) is modern Romanesque in style, is built of Minnesota sandstone, 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 general 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 and assistant 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 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. 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 physicial 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 in 1889-90) has a clear floor space of 15,000 square feet in one hall.

The Armory (erected 1914-15) comprises a drill room with a clear area of 200x400 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 tile 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 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 women'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 household science, and the south wing provides rooms for the social life of the women students. The addition is a three-story fireproof building with 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 and supplements the working space of the departments using it. 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 Household Science, 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. The first story is designed primarily for entertaining; large reception and dining parlors are so arranged as to open together into a central corridor. The second and third stories provide library and living rooms.

Service Buildings

The Central Heat and Power Plant (erected 1902; addition 1910) is 55 by 120 feet. It contains boilers aggregating 1,800 horsepower. A supplemental boiler and power plant, designed ultimately to carry the load of the present station, is equipped with boilers of 1,000 horsepower. These two stations furnish steam for heating and power to all buildings on the campus. A power plant containing a 250-kilowatt Allis-Chalmers direct connected steam engine and dynamo, a 125-kilowatt direct connected Westinghouse engine and 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. Altogether there are now 6,275 feet of tunnels and 3,800 feet of conduit for the distribution of steam, and 7,000 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, and one 12-inch well 148 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.

The College of Dentistry is housed in a six-story building containing three amphitheaters, recitation rooms and lecture rooms, laboratories, dissecting rooms, a clinical operating room, and an infirmary. A parlor is provided for the use of the women students. The building adjoins that of the College of Medicine.

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 comprizing eight city lots with two large brick buildings, connected by a fireproof central stairway tower. The new quarters were occupied in June, 1916.

LIBRARIES

(For the Library Staff see page 33.)

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.

On December 1, 1916, the contents of the several libraries were as follows:

	Volumes	*Pamphlets*	*Maps*
In Urbana:			
General library, including departmental collections	347,807	39,968	1,993
State Laboratory of Natural History library	8,580	44,444	99
State Geological Survey library	1,825	4,690	1,045
In Chicago:			
College of Medicine library	17,668	3,105	.....
Pharmacy library	3,240	1,000	8
Total in the University	379,220	93,207	3,145

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 upon 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. Over 3,000 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 5,500 volumes. *Thesis collection*, a complete file of the original copies of the theses presented for graduation from the University of Illinois, bound and filed by years: 2,160 volumes. The *Collection of School Reports*, a catalogued 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*, bought in 1905, the entire library of Karl Dziatzko, librarian of Göttingen University: 300 volumes, 250 pamphlets. The *Dittenberger Collection of the Classics*, bought in 1907, the entire library of Wilhelm Dittenberger, professor of Classical Philology in the University of Halle: 5,600 items. The *Heyne collection* purchased by the University in 1909, the philological library of Professor Moritz Heyne of the University of Göttingen: about 5,000 items, principally on German philology and literature. 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*, purchased in 1912, the entire library of the late Professor Gustav Grober, of Strasburg: 6,300 titles, principally on the Romance languages. The *Vahlen collection*, purchased in 1913, the entire classical library of the late Professor Johannes Vahlen, of Berlin: 10,000 volumes. The *Aron collection*, purchased in 1913, the pedagogical library of the late Dr. R. Aron, of Berlin: 20,000 volumes. 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*, presented in 1915 by Professor E. B. Greene: 219 volumes of books and newspapers relating to Japan. The *Rattermann collection*, of German-American literature and history, purchased in 1915: 7,000 volumes. The *Amanda K. Casad collection*, relating to history, economics, politics, and education, presented in 1916 by President Edmund J. James: 1,732 volumes. The *Constance Barlow-Smith collection* of musical scores: manuscript, books, and portraits, presented in 1916 by Mrs. Constance Barlow-Smith.

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:

Name of Library	*Location*	*Volumes*
Philosophy, Psychology, and Education	Lincoln Hall	15,497
Classics	Lincoln Hall	22,986
Modern Languages	Lincoln Hall	27,161
English	Lincoln Hall	16,170
History and Political Science	Lincoln Hall	20,000
Economics and Sociology	Lincoln Hall	24,182
Natural History	Natural History Building	22,377
Law	Law Building	21,876
Commerce Reading Room	Commerce Building	1,622
Architecture, Ricker Library of	Engineering Building	4,534
Agriculture Reading Room	Agricultural Building	8,830
Chemistry	Chemistry Building	10,500
Physics	Physics Building	1,455
Mathematics	Natural History Building	5,521
Railway Engineering and Mining	Transportation Building	4,043
Engineering	Engineering Building	2,869

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 works of Greek and Roman sculpture; originals and models of Babylonian, Greek, and Roman antiquities; and many objects from the finds of the Egypt Exploration Fund, received through the generosity of Mr. W. G. Hibbard, Jr., of Chicago; museum coins; thirty Greek papyri; Babylonian tablets; and 1,020 photographs of historic sites and archeological remains in Greece, Italy, and other parts of the ancient world. Over 1,600 slides belonging to the department of the classics are also available. The museum is open on Sunday, Monday, Wednesday, and Friday afternoons, and Saturday mornings.

Education.—In Room 417 University Hall is a collection of illustrative material from the manual training departments of various schools; photographs of school buildings; drawings and constructive work by pupils in the public schools; and the nucleus of a collection of apparatus for the school laboratory.

European Culture.—The Museum of European Culture is in the north wing of Lincoln Hall. The collection consists of casts of Romanesque, Gothic, and Renaissance sculpture; color reproductions of masterpieces of painting; originals and facsimiles of medieval manuscripts, and early printed books; early maps of the world; peasant costumes in full size and in small costume manikins; models of ships; theater models and prints of theaters and actors; replicas of seals; reproductions of prehistoric antiquities, of early ivory carving, of runic inscriptions, of early musical instruments, and of arms and armor; and part of the Hibbard collection of 318 old coins, presented by Mr. William G. Hibbard in 1916. The museum is open on Sunday, Monday, Wednesday, and Friday afternoons, and Saturday mornings.

Science Group

Botany.—The herbarium contains about 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 recent 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 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 Phycotheca 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, 2,500 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, Hertzer, 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 birds' 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 Blaschka 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. The departments of civil engineering and theoretical and applied mechanics maintain exhibits of tested specimens and structures.

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 all departments; of labor-saving devices and fittings; and of photographs and lantern slides illustrating the history of books and libraries.

ADMINISTRATION

GOVERNMENT

The government of the University is vested by law primarily in a Board of Trustees, consisting of twelve members. The Governor of the State, the Superintendent of Public Instruction, and the President of the State Board of Agriculture 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 upon 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 COURSES

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 School of Education
IX. The School of Railway Engineering and Administration
X. The College of Law
XI. The One-year Medical College

XII. The College of Medicine
XIII. The College of Dentistry
XIV. 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, including bacteriology; (f) zoology; (g) entomology; (h) physiology. By the grouping of certain subjects students in this College are also offered opportunities for specific vocational and professional training as follows: (1) teaching and school administration; (2) journalism; (3) chemistry; (4) chemical engineering; (5) household science 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) ceramic engineering; (4) civil engineering; (5) electrical engineering; (6) mechanical engineering; (7) mining engineering; (8) municipal and sanitary engineering; (9) railway civil engineering; (10) railway electrical engineering; (11) 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) household science; (6) agricultural extension.

Military science and *physical training* 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 household science.

The Library School offers a professional curriculum of two years in preparation for the 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 School of Education enrolls, at the beginning of the junior year, students already registered in other colleges of the University who are preparing to teach, and directs their work for the remaining two years.

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 a curriculum of three 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 One-year Medical College offers a curriculum in medicine in Urbana.

The College of Medicine (Chicago) requires for admission two years of college work in liberal arts and sciences, and offers a four-year curriculum; at the end of the first two years the degree of Bachelor of Science is conferred, and at the end of the four years the degree of Doctor of Medicine. The first year's work in medicine may be taken in the One-Year Medical College at Urbana.

The College of Dentistry (Chicago) offers in 1916-17 a three-year curriculum leading to the degree of Doctor of Dental Surgery. There is offered, also, in 1916-17, a four-year dental curriculum. Beginning in 1917-18 this four-year curriculum will be the only one offered. The new four-year curriculum leads to the same degree as the three-year curriculum which it displaces, namely, Doctor of Dental Surgery.

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 1916, courses in accountancy, agriculture, art and design, botany, chemistry, drawing (general engineering), economics, education, English, entomology, French, German, history, household science, Latin, library science, manual training, mathematics, mechanical engineering, mechanics (theoretical and applied), microscopical technics, music, physical training for men and for women, physics, political science, psychology, rhetoric, sociology, 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) must be eighteen, and candidates for admission 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, but should enter if possible at the beginning of the fall semester (in 1917, September 17), or at the beginning of the spring semester (in 1918, February 4). Students can seldom enter the College of Engineering to advantage except at the opening of the school year in September.

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

The requirements for the PROFESSIONAL DEPARTMENTS are as follows:

For the COLLEGE OF LAW, in addition to 15 units[1] of high-school credit, two years (60 semester hours)[2] of college work in arts, letters, and science in an institution having standards equal to those of the University of Illinois. (See page 203.)

For the LIBRARY SCHOOL, a bachelor's degree in arts, letters, and science from an institution having standards equal to those of the University of Illinois. (See page 185.)

For the COLLEGE OF MEDICINE (Chicago), in addition to 15 units[1] of high-school credit, two years (60 semester hours)[2] of college work in an institution having standards equal to those of the University of Illinois. (See page 207.)

For the COLLEGE OF DENTISTRY (Chicago), 15 units[1] of preparatory work in an accredited high school or academy or a state normal school, made up as follows: English, 3 units; mathematics, 2 units; physics, 1 unit; electives from lists B and C (see pages 68-69), 6 units; free electives, 3 units. (See page 232.)

For the SCHOOL OF PHARMACY (Chicago), graduation from an accredited high school with 15 acceptable units.[1] (See page 241.)

The School of Music requires collegiate standing in Piano, Voice, or Violin—that is, the equivalent of three years of preparatory study.

ENTRANCE REQUIREMENTS OF THE UNDERGRADUATE COLLEGES

High School Graduation

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

[1] For definition of unit, see page 67.
[2] For definition of semester hour, see page 247.

An applicant who has not been graduated from an accredited school must pass entrance examinations in the following subjects, amounting to 5 units:[1]

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 any accredited school.

Number of Units Required

Fifteen units of high school or other secondary-school work, in acceptable subjects (see Lists A, B, and C below), must be offered by every candidate.

No conditions are permitted. In other words, every student must offer at the time of admission 15 units in acceptable subjects, including the 6 units specifically prescribed for 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 not to exceed 2 units in subjects prescribed only for the college or curriculum which he wishes to enter, 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 $12.00 a semester.

Prescribed Subjects

Summary

The 15 units offered for admission must include:

I.	Certain subjects *prescribed alike for all curriculums* (see List A below)	6 units
II.	Certain subjects *prescribed in addition for the individual curriculum* which the student wishes to enter	1 to 4 units
III.	Enough *electives 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	5 to 2 units
IV.	*Three additional units*, which may be chosen either from the list of List B or from the list of additional electives, 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, with laboratory work	1 unit
Total	6 units

[1] A 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.

[2] One and one-half units of high-school algebra are prerequisite for registration in all university courses in mathematics, and college mathematics is prerequisite for courses in physics and advanced chemistry. It is necessary, therefore, for students who intend to pursue curriculums involving college mathematics, physics, or advanced chemistry, including the curriculums in household science, medicine, chemistry, and chemical engineering, or curriculums in commerce and business administration in which university courses in mathematics are prescribed, to present for admission to the University, or make up after entrance, one-half unit of advanced algebra in addition to the required unit of List A.

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 curriculum in question. These additional prescriptions are as follows:

For the *College of Liberal Arts and Sciences* for the *General Curriculum in Liberal Arts and Sciences*, the curriculums in *Journalism*, *Household Science*,[1] and *Medicine*, and the *Curriculum preliminary to Law*—	
Latin, Greek, French, German, or Spanish (both units in the same language)	2 units
For the *College of Liberal Arts and Sciences* for the curriculum in *Chemistry*—	
Science	1 unit
German of French	2 units
For *College of Liberal Arts and Sciences* for the curriculum in *Chemical Engineering*—	
Science	1 unit
German	2 units
For the *College of Commerce and Business Administration*—	
ONE OF THE FOLLOWING OPTIONS	
(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	1 unit
For the *College of Engineering*—	
Advanced algebra	½ unit
Solid and spherical geometry	½ unit
For the *College of Agriculture*—	
Science	1 unit
For the *School of Music*—	
Latin, Greek, French, German, or Spanish (both units in the same language)	2 units
Music	2 units

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.

It will be seen that the number of such electives from List B required for the several curriculums is as follows:

For the *College of Liberal Arts and Sciences* for the *General Curriculum in Liberal Arts and Sciences*, the curriculums in *Journalism*, *Household Science*,[1,2] and *Medicine*,[2] and the *Curriculum preliminary to Law*	4 units
For the *College of Liberal Arts and Sciences* for the curriculums in *Chemistry*[2] and *Chemical Engineering*[2]	3 units
For the *College of Commerce and Business Administration*[2]—	
Under option a	4 units
Under option b	5 units
Under option c	5 units
For the *College of Engineering*	5 units
For the *College of Agriculture*[1]	5 units
For the *School of Music*	2 units

LIST B		*Units*
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[3]	36 to 72 weeks	1–2
Norwegian[3]	36 to 72 weeks	1–2
Swedish[3]	36 to 72 weeks	1–2
Polish	36 to 72 weeks	1–2
English (4th unit)	36 weeks	1
Advanced algebra[1]	18 weeks	½
Solid geometry	18 weeks	½
Trigonometry	18 weeks	½
History[4]	36 to 144 weeks	1–4

[1] Students entering the curriculums in Household Science must also offer 1 unit in high-school physics, which is a prerequisite for Household Science 1, a prescribed freshman course.

[2] See footnote page 67.

[3] Not accepted in satisfaction of the foreign language prescription of the College of Liberal Arts and Sciences or of the School of Music, but only as an elective.

[4] Greek and Roman History, 1 unit; Medieval and Modern History, 1 unit; English History, ½ or 1 unit; American History, ½ or 1 unit.

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

IV. Additional Electives: List C

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

LIST C[1]		*Units*
Agriculture	36 to 108 weeks	1–3
Bookkeeping	36 weeks	1
Business Law	18 weeks	½
Domestic Science	36 to 72 weeks	1–2
Drawing, art and design	18 or 36 weeks	½–1
Drawing, mechanical	18 or 36 weeks	½–1
Manual training[2]	36 to 72 weeks	1–2
Music	36 to 72 weeks	1–2

Summary by Courses

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

For the *College of Liberal Arts and Sciences* for the *General Curriculum in Liberal Arts and Sciences*, the curriculums in *Journalism*, *Household Science*,[3,4] and *Medicine*,[3] and the *Curriculum preliminary to Law:*

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

For the *College of Liberal Arts and Sciences* for the curriculum in *Chemistry:*[3]

I.	List A (prescribed for all curriculums)	6 units
II.	Special prescriptions for this curriculum—	
	Science	1 unit
	German or French	2 units
III.	Electives from List B	3 units
IV.	Electives from either List B or List C	3 units
	Total	15 units

For the *College of Liberal Arts and Sciences* for the curriculum in *Chemical Engineering:*[3]

I.	List A (prescribed for all curriculums)	6 units
II.	Special prescriptions for this curriculum—	
	Science	1 unit
	German	2 units
III.	Electives from List B	3 units
IV.	Electives from either List B or List C	3 units
	Total	15 units

For the *College of Commerce and Business Administration:*[3]

OPTION A

I.	List A (prescribed for all curriculums)	6 units
II.	Special prescription for this College under this option—	
	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

[1] The 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.

[2] In giving credits 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.

[3] See footnote, page 67.

[4] See footnote, page 68.

OPTION B

I.	List A (prescribed for all curriculums)	6 units
II.	Special prescriptions for this College under this option—	
	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

OPTION C

I.	List A (prescribed for all curriculums)	6 units
II.	Special prescription for this College under this option—	
	Science	1 unit
III.	Electives from List B	5 units
IV.	Electives from either List B or List C	3 units
	Total	15 units

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

For the *College of Agriculture:*

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

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

METHODS OF ADMISSION

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.

These examination cover all the subjects required or accepted for admission, as outlined in the "Description of Subjects Accepted for Admission" on page 82.

For programs of these three sets of examinations for 1917-18 see pages 74-75.

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 67, 68 and 69 in the amounts there specified as being acceptable. These examinations will be held during the week of June 18-23, 1917.

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 upon 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 two weeks in advance of the examinations, that is, on or before Monday, June 4, 1917; applications for examination elsewhere in the United States or in Canada must be received at least three weeks in advance of the examinations; that is, on or before Monday, May 28, 1917; and applications for examination outside of the United States and Canada must be received at least five weeks in advance of the examinations; that is, on or before Monday, May 14, 1917.

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 upon the payment of $5.00 in addition to the usual fee.

The examination fee is $5.00 for all candidates examined at points in the United States and Canada, and $15.00 for all candidates examined outside of the United States and Canada. The fee (which cannot be accepted in advance of the application) should be remitted by postal order, express order, or draft on New York to the order of the College Entrance Examination Board.

A list of the places at which examinations are to be held by the Board in June, 1917, 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 14 (in 1917) 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, correct to January 1, 1917, see page 75. 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.
3. From schools approved by the New England College Entrance Certificate Board.
4. From high schools and academies registered by the Regents of the University of the State of New York.
5. 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 countries should be accompanied by certified translations. Upon arriving at the University foreign students should consult with the Adviser to Foreign Students, Room 153, Administration Building.

Examination in Rhetoric I

Those students who show by examination a proficiency in composition sufficient to qualify them for the second semester's work in rhetoric (Rhetoric 2) may be excused from the first semester's work (Rhetoric 1). An examination to test such proficiency will be given at 7:00 p. m., on the first day of registration (in 1917, September 17). The results of this examination will be announced the following morning. Students who try this examination should defer their registration until they learn whether or not they have passed in the examination.

(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 by individual colleges as indicated above (pages 67 to 70).

For admission to advanced standing by transfer of college credits see page 73 below.

Students intending to transfer to the University of Illinois should send an official statement of their college credits, accompanied by a summary of their preparatory work and by a letter of honorable dismissal, to the Registrar as early in the summer as possible.

ADMISSION AS SPECIAL STUDENTS

Persons over twenty-one years of age may be admitted as special students, provided they secure (1) the recommendation of the professor 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 $12.00 a semester.

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 had at least two years of experience in practical agriculture.

The Library School requires a written application, 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 July 1.

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 course 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.

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.

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. 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 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.

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.

PROGRAMS OF 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.

The scope of these examinations is indicated in the "Description of Subjects Accepted for Admission," pages 82-84.

Admission to the examinations is by permit. Permits may be obtained of the Registrar, 156 Administration Building.

Entrance Examinations, July, 1917

History, 1, 2, 3, or 4 units[1]	Sat., July	7,	8:00 a.m.
Civics, ½ unit or 1 unit	Sat., July	7,	10:00 a.m.
Physiology, ½ unit or 1 unit[2]	Sat., July	14,	8:00 a.m.
Commercial geography, ½ unit or 1 unit	Sat., July	14,	8:00 a.m.
Physical geography, ½ unit or 1 unit[2]	Sat., July	14,	10:00 a.m.
Algebra, 1 unit or 1½ units	Sat., July	21,	8:00 a.m.
Plane geometry, 1 unit	Sat., July	21,	8:00 a.m.
Solid and spherical geometry, ½ unit	Sat., July	21,	10:00 a.m.
English literature, 2 units	Sat., July	28,	8:00 a.m.
English composition, 1 unit	Sat., July	28,	10:00 a.m.
Latin, 1, 2, 3, or 4 units	Sat., July	28,	8:00 a.m.
German, 1, 2, 3, or 4 units	Sat., July	28,	8:00 a.m.

The time for examinations in agriculture, astronomy, bookkeeping, botany,[3] business law, chemistry,[3] domestic science, drawing (freehand or mechanical), economics and economic history, the fourth unit in English, French, geology, Greek, music, physics,[3] Spanish, trigonometry, and zoology,[3] will be arranged with candidates.

Fall Examinations, September, 1917

Chemistry, 1 unit or 2 units[3]	Mon., Sept.	10,	1:00 p.m.
Geology, ½ unit or 1 unit	Mon., Sept.	10,	1:00 p.m.
Astronomy, ½ unit	Mon., Sept.	10,	3:30 p.m.
Trigonometry, ½ unit	Mon., Sept.	10,	3:30 p.m.
History, 1, 2, 3, or 4 units[1]	Tues., Sept.	11,	8:00 a.m.
English literature, 2 units	Tues., Sept.	11,	1:00 p.m.
English composition, 1 unit	Tues., Sept.	11,	3:30 p.m.
Latin, 1st unit, or 2d unit, or both	Wed., Sept.	12,	8:00 a.m.
Physics, 1 unit[3]	Wed., Sept.	12,	8:00 a.m.
Physical geography, ½ unit or 1 unit[2]	Wed., Sept.	12,	10:30 a.m.
Algebra, 1 unit or 1½ units	Wed., Sept.	12,	1:00 p.m.
Civics, ½ unit or 1 unit	Wed., Sept.	12,	3:30 p.m.
Economics and economic history, ½ unit or 1 unit	Wed., Sept.	12,	3:30 p.m.
Geometry, plane, 1 unit	Thurs., Sept.	13,	8:00 a.m.
Geometry, solid and spherical, ½ unit	Thurs., Sept.	13,	10:30 a.m.
Physiology, ½ unit or 1 unit[2]	Thurs., Sept.	13,	10:30 a.m.
German, 1st unit, or 2d unit, or both	Thurs., Sept.	13,	1:00 p.m.
German, 3d unit, or 4th unit, or both	Thurs., Sept.	13,	3:30 p.m.
French, 1st unit, or 2d unit, or both	Thurs., Sept.	13,	1:00 p.m.
French, 3d unit, or 4th unit, or both	Thurs., Sept.	13,	3:30 p.m.
Spanish, 1st unit, or 2d unit, or both	Thurs., Sept.	13,	1:00 p.m.
Business law, ½ unit	Thurs., Sept.	13,	1:00 p.m.
Commercial geography, ½ unit or 1 unit	Thurs., Sept.	13,	3:30 p.m.
Latin, 3d unit, or 4th unit, or both	Fri., Sept.	14,	8:00 a.m.
Bookkeeping, 1 unit	Fri., Sept.	14,	8:00 a.m.
Botany, ½ unit or 1 unit[3]	Fri., Sept.	14,	8:00 a.m.
Zoology, ½ unit or 1 unit[3]	Fri., Sept.	14,	10:30 a.m.

The time for examinations in agriculture, domestic science, manual training, freehand or mechanical drawing, music, Greek, and the fourth unit in English, will be arranged with applicants.

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[1] Four units may be offered in history, made up from the following: Ancient history to 800 A. D., 1 unit; medieval and modern history, 1 unit; English history, ½ unit or 1 unit; American history, ½ unit or 1 unit.

[2] Notebook required for 1 unit; not required for ½ unit.

[3] Notebook required.

Mid-Year Examinations, January and February, 1918

Chemistry, 1 unit or 2 units[1]	Wed., Jan. 30,	8:00 a.m.
Geology, ½ unit or 1 unit	Wed., Jan. 30,	8:00 a.m.
Astronomy, ½ unit	Wed., Jan. 30,	10:30 a.m.
Trigonometry, ½ unit	Wed., Jan. 30,	10:30 a.m.
History, 1, 2, or 3 units[2]	Wed., Jan. 30,	1:00 p.m.
English literature, 2 units	Thurs., Jan. 31,	8:00 a.m.
English composition, 1 unit	Thurs., Jan. 31,	10:30 a.m.
Latin, 1st unit, or 2d unit, or both	Thurs., Jan. 31,	1:00 p.m.
Physics, 1 unit[1]	Thurs., Jan. 31,	1:00 p.m.
Physical geography, ½ unit or 1 unit[3]	Thurs., Jan. 31,	3:30 p.m.
Algebra, 1 unit or 1½ units	Fri., Feb. 1,	8:00 a.m.
Civics, ½ unit or 1 unit	Fri., Feb. 1,	10:30 a.m.
Economics and economic history, ½ unit or 1 unit	Fri., Feb. 1,	10:30 a.m
Geometry, plane, 1 unit	Fri., Feb. 1,	1:00 p.m
Geometry, solid and spherical, ½ unit	Fri., Feb. 1,	3:30 p.m.
Physiology, ½ unit or 1 unit[3]	Fri., Feb. 1,	3:30 p.m.
German, 1st unit, or 2d unit, or both	Sat., Feb. 2,	8:00 a.m.
German, 3d unit, or 4th unit, or both	Sat., Feb. 2,	10:30 a.m.
French, 1st unit, or 2d unit, or both	Sat., Feb. 2,	8:00 a.m.
French, 3d unit, or 4th unit, or both	Sat., Feb. 2,	10:30 a.m.
Spanish, 1st unit, or 2d unit, or both	Sat., Feb. 2,	8:00 a.m.
Business law, ½ unit	Sat., Feb. 2,	8:00 a.m.
Commercial geography, ½ unit or 1 unit	Sat., Feb. 2,	10:30 a.m.
Latin, 3d unit, or 4th unit, or both	Sat., Feb. 2,	1:00 p.m.
Bookkeeping, 1 unit	Sat., Feb. 2,	1:00 p.m.
Botany, ½ unit or 1 unit[1]	Sat., Feb. 2,	1:00 p.m.
Zoology, ½ unit or 1 unit[1]	Sat., Feb. 2,	3:30 p.m.

The time for examinations in agriculture, domestic science, manual training, freehand or mechanical drawing, music, Greek, and the fourth unit in English, will be arranged with applicants.

LIST OF ACCREDITED SCHOOLS

(*Correct to January 1, 1917.*)

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 said school is specifically accredited, as shown in the certificate of its accredited relation issued by the University.*

The High School Visitor of the University inspects high schools not previously accredited upon request, 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

School	Superintendent	Principal
ABINGDON	A. C. BUTLER	IRA M. WRIGLEY
ALBION	LEE V. MATHENEY	M. E. STEELE
ALEDO	F. N. TAYLOR	OLIVE HOSTETLER
HIGH SCHOOL		G. F. BAUMEISTER
DRURY ACADEMY		
ALTAMONT	S. J. McCOMIS	R. W. VALENTINE
ALTON		
HIGH SCHOOL	R. A. HAIGHT	B. C. RICHARDSON
WESTERN MIL. ACAD.		GEO. D. EATON
ALVIN (*Ross Tp.*)		C. L. KNECHLES
AMBOY TP.		GEO. N. BRADLEY
ANNA		
HIGH SCHOOL	C. A. McGINNIS	C. A. HARPER
UNION ACADEMY		W. O. SHEWMAKER

[1] Notebook required.

[2] Three units may be offered in history, made up from the following: Ancient history to 800 A. D., 1 unit; medieval and modern history, 1 unit; English history, ½ unit or 1 unit; American history, ½ unit or 1 unit.

[3] Notebook required for 1 unit; not required for ½ unit.

School	Superintendent	Principal
Arcola Tp.		S. R. Allen
Arlington Heights Tp.		O. R. Zoll
Armington (*Hittle Tp.*)		Olga Hofacker
Arthur Tp.		G. E. Clendenen
Ashland	C. H. Dixon	Annie Neale
Ashley Tp.		H. A. Ritcher
Ashton	O. A. Fackler	Laura Hobart
Assumption Tp.		J. O. Stanberry
Astoria	H. M. Anderson	C. A. Whiteside
Atlanta	Daniel Shirck	Margaret McCune
Atwood Tp.		G. W. Sutton
Augusta	A. E. Decker	A. R. Matheny
Augustana College Academy (*Rock Island*)		J. Mauritzson
Aurora		
East High School	C. M. Bardwell	K. D. Waldo
West High School	S. K. McDowell	K. C. Merrick
Jennings Seminary		Bertha Barber
Austin High School (*Chicago*)	J. D. Shoop	Geo. H. Rockwood
Averyville High School (*Peoria*)		
Avon Tp.		
Barrington	E. S. Smith	Gertrude Harvey
Barry	Vail Cordell	E. Ruth Tipple
Batavia	H. C. Storm	A. A. Rea
Beardstown	H. G. Russell	Mrs. H. G. Russell
Belleville Tp.		H. G. Schmidt
Bellflower Tp.		Dean M. Inman
Belvidere	L. A. Reisner	John E. Almon
Bement Tp.	Otto Needman	Harry B. Much
Benton Tp.		C. W. Houk
Biggsville Tp.		C. C. Sims
Bismarck Tp.		R. Arlyn Williams
Bloomington		
High School	J. K. Stableton	William Wallis
St. Joseph's Academy		Sister M. Madeliene
St. Mary's High School		Rev. M. Weldon
Bloom Tp. (*Chicago Heights*)		E. L. Boyer
Blue Island Tp.		J. E. Lemon
Bowen	H. D. Mitchell	Edith Wiggle
Bowen High School (*Chicago*)	J. D. Shoop	Chas. I. Parker
Bradford	F. W. Dunlap	
Briadley Poly. Inst. (*Peoria*)		T. C. Burgess, *Dir.*
Bridgeport Tp.		O. M. Eastman
Buda Tp.	Chas. E. Decker	C. B. Boules
Bushnell	T. W. Everitt	Beulah Harvey
Byron	H. V. Lynn	Marjorie Hull
Cairo		
High School	T. C. Clendenen	Geo. A. Peterson
Summer High School		J. C. Lewis
Calumet High School (*Chicago*)	J. D. Shoop	Grant Beebe
Cambridge	H. M. Hinkle	Wm. B. Mathews
Camp Point	Jesse D. Knight	Verona Rockwell
Canton	G. W. Gayler	V. G. Heller
Carbondale		
So. Ill. Nor. Univ. H. S.		F. G. Warren
Carlinville	Wm. Harris	
Carl Schurz High School (*Chicago*)	J. D. Shoop	Walter F. Slocum
Carlyle	M. N. Todd	Mima Maxey
Carmi Tp.		Jos. Gersbacher
Carrollton	E. A. Doolittle	David N. Crist
Carterville	O. A. Towns	J. L. Corzine
Carthage		
High School	Oren A. Barr	E. G. Marshall
Carthage Col. Acad.		H. D. Hoover, *Pres.*
Casey Tp.		Wm. G. Thompson
Central High School (*Peoria*)	A. W. Beasley	W. T. VanBuskirk
Catlin	Geo. Wells	Ethel Ewert
Centrailia Tp.		Eston V. Tubbs
Champaign	W. W. Earnest	Lottie Switzer
Charleston	DeWitt Elwood	E. B. Freshwater
Chatham	G. P. Chapman	G. P. Chapman
Chatsworth Tp.		L. C. Smith
Chenoa	A. B. Hiett	Maude Fairfield
Chester	C. O. Todd	E. R. Sayre
Chicago	John D. Shoop	
Austin		Geo. H. Rockwood
Bowen		C. E. DeButts
Calumet		Grant Beebe
Carl Schurz		Walter F. Slocum
Crane R. T. (Tech.)		W. J. Bartholf
Englewood		J. E. Armstrong
Fenger		Thos. G. Hill
Harrison Tech.		Frank L. Morse
Hyde Park		Hiram B. Loomis

School	Superintendent	Principal
Lake View		B. Frank Brown
Lane Tech.		W. J. Bogan
Lucy Flower Tech.		Dora Wells
McKinley		Geo. M. Clayberg
Marshall		Louis J. Block
Medill		Avon S. Hall
Morgan Park		Lewis L. Hall
Parker		Wm. B. Owen
Phillips		Spencer R. Smith
Senn		Benj. F. Buck
Tilden		Edward F. Stearns
Tuley		Franklin P. Fisk
Waller		J. E. Adams
Chicago Private Schools		
F. W. Parker School		Flora J. Cooke
Harvard School		J. J. Schobinger
Kenwood Institute		Medora H. Googins, *Dean*
Latin School		R. P. Bates
Loyola Academy		Simon Nicholas, S.J.
Morgan Park Preparatory Schools		Harry D. Abells
North Park College Academy		C. J. Wilson
St. Ignatius Academy		Geo. J. Leahy, S. J.
Starrett School for Girls		Mrs. Mary G. White
University High School		F. W. Johnson
Chicago Heights		
Bloom Tp. High School		E. L. Boyer
Chillicothe Tp.		H. H. Baumgardner
Chrisman Tp.		P. M. Watson
Cicero		
J. Sterling Morton Tp.		H. V. Church
Clayton	W. H. Brewster	Margaret Howard
Clinton	H. H. Edmunds	Everett L. Walters
Colfax	P. M. Hoke	Lida J. Smith
Collinsville Tp.		A. E. Arent
Crane, R. T. (Tech.) H. S. (*Chicago*)	J. D. Shoop	W. J. Bartholf
Crystal Lake	H. A. Dean	C. E. Smalley
Dallas City	L. C. French	Max Harris
Danville	G. P. Randle	W. C. Baer
Decatur	J. O. Englemann	Thomas Deam
Deerfield Township High School		R. L. Sandwick
DeKalb Tp.		C. W. Whitten
Delavan	M. R. Staker	H. V. Porter
Des Plaines (*Maine Tp.*)		C. M. Himel
Divernon Tp.		J. O. Huff
Dixon		
High School	C. I. Bixler	H. C. Fiester
North Dixon High School	H. H. Hagen	Helen Brown
Downer's Grove	G. C. Butler	Imanuel Harbich
Drury Academy (*Aledo*)		
Drummer Tp. (*Gibson City*)		H. T. McKinney
Dundee	Osher Schlaifer	Mollie D. Butts
DuQuoin Tp.		J. G. Stull
Dwight Tp.		C. A. Brothers
Earlville	L. B. Mann	Nellie L. Smith
East High School (*Aurora*)	C. M. Bardwell	K. D. Waldo
East Moline Tp.		E. D. Abbott
East St. Louis	D. Walter Potts	H. J. Alvis
Edinburg	D. F. Neathery	Grace Read
Edwardsville	Chas. F. Ford	R. C. Sayre
Effingham	O. C. Bailey	Frank C. Bruce
Eldorado Tp.		J. E. Raiburn
Elgin		
High School	Robt. I. White	W. L. Goble
Elgin Jr. College and Academy		Ernest P. Clark, *Dean*
Elizabeth	James M. Gunthrop	
Elmhurst		
High School	Wm. H. Eisenman	V. C. Plummer
Evangelical Proseminar		Daniel Irion, *Dir.*
Elmwood Tp.		C. C. Condit
ElPaso Union		Carl B. Moore
Englewood High School (*Chicago*)	J. D. Shoop	James E. Armstrong
Equality Tp.		J. B. Boswell
Eureka		
Township High School		F. D. Thomson
College Prep. School		Honta S. Bredin
Evangelical Proseminar (*Elmhurst*)		Daniel Irion, *Dir.*
Evanston		
Township High School		W. F. Beardsley
Evanston Academy		Edward W. Marcellus
Fairbury Tp.		E. W. Powers
Fairfield	H. D. Willard	K. O. Hollard
Farmer City (*Moore Tp.*)		Geo. E. Anspaugh
Farmington	J. H. Inman	Ester Hedquist
Fenger High School (*Chicago*)	J. D. Shoop	Thos. G. Hill

School	Superintendent	Principal
Ferry Hall (*Lake Forest*)		John W. Richards
Fisher	F. L. Lowman	Ruth B. King
Flora (*Harter-Stanford Tp.*)		S. J. Curlee
Forrest Tp.		Dean Parrill
Freeport	S. E. Raines	L. A. Fulwider
Fulton	H. V. Baldwin	Mrs. Pearl B. Flatt
Galena	Katherine H. Obey	L. G. Myers
Galesburg	W. L. Steele	A. W. Willis
Galva	F. U. White	Margaret Jacobson
Gardner Tp.		E. F. Booth
Geneseo Tp.		F. J. Mabrey
Geneva	H. M. Coultrap	Lucy E. Church
Genoa	O. E. Taylor	Louise Stupp
Georgetown Tp.		O. P. Rees
Gibson City (*Drummer Tp.*)		H. T. McKinney
Godfrey (*Monticello Seminary*)		Martina C. Erickson
Granite City	L. P. Frohardt	W. F. Coolidge
Greenfield	Walter C. Suft	Daniel Gray
Greenup	Ward N. Black	Hortense Wickard
Green Valley	J. Earl Hiett	Henrietta Evans
Greenview	J. P. Scheid	Hazel Alkire
Greenville	A. W. Niedermeyer	Alex Long
Griggsville	Theo. C. Moore	Lois A. Browne
Hall Tp. (*Spring Valley*)		E. L. Bost
Hamilton	J. A. Johnston	Philena Clark
Harlem Consolidated School (*Rockford*)		Earl M. Pallett
Harrisburg Tp.		Harry Taylor
Harrison Technical High School (*Chicago*)	J. D. Shoop	Frank L. Morse
Harter-Stanford Tp. (*Flora*)		S. J. Curlee
Harvard	J. H. Light	Chas. O. Haskell
Harvard School (*Chicago*)		J. J. Schobinger
Harvey (*Thornton Tp.*)		L. W. Smith
Havana	T. E. Savage	Clara Hoyt
Hebron	M. S. Hamm	Louise Schmidt
Henry	W. E. King	Emma Ponzer
Herrin Tp.		H. G. Spear
Herscher Tp.		
Heyworth	Roy Schofield	Mildred Bond
Highland	C. L. Dietz	Mamie E. Graff
Highland Park		
Hillsboro	H. J. Beckemeyer	J. M. Avery
Hinckley	Omar Caswell	Emma Richardson
Hindsboro Union	O. V. Schaeffer	Margaret Gerkin
Hindsdale Tp.		C. E. Douglass
Hittle Tp. (*Armington*)		Olga V. Hofacker
Homer Tp.		G. B. Weisiger
Hoopeston	C. O. Klontz	W. R. Lowery
Hume Tp.		T. D. Foster
Hutsonville Tp.		J. A. Alexander
Hyde Park High School (*Chicago*)	J. D. Shoop	Hiram B. Loomis
Illinois Woman's Col. Acad. (*Jacksonville*)		Jos. R. Harker, *Pres.*
Illiopolis	W. P. Sullivan	Louise Gates
Industry Tp.		R. H. Malcomson
Jacksonville		
High School	H. A. Perrin	T. W. Calligan
Ill. Woman's Col. Acad.		Jos. R. Harker, *Pres.*
Routt College Academy		Rev. J. W. Crowe, *Pres.*
Whipple Academy		C. H. Givan
Jennings Seminary (*Aurora*)		Bertha Barber
Jerseyville Tp.		D. R. Henry
Johnston City	F. D. Harwood	Henry C. Kessler
John Swaney School (*McNabb*)		E. D. Lawrence
Joint Tp. (*Tiskilwa*)		J. T. Myers
Joliet		
Township High School		J. Stanley Brown
St. Francis Academy		Sister M. Faustina
J. Sterling Morton Tp. (*Cicero*)		H. V. Church
Kankakee	F. N. Tracy	E. E. Richards
Kansas	R. B. Henley	Ruth Linder
Keithsburg	R. C. Hiett	Helen E. Ream
Kenilworth (*New Trier Tp.*)		H. E. Brown
Kenwood Institute (*Chicago*)		Medora H. Googins, *Dean*
Kewanee	W. R. Curtis	Ira P. Rinker
Kinmundy	Laura Fisher	Frank C. Ferguson
Knoxville		
High School	G. G. Lafferty	C. E. Larson
St. Alban's School		Rev. L. B. Hastings
Lacon Union	R. A. Scheer	Wilhelmina Schrieber
LaGrange (*Lyons Tp.*)		G. H. Wilkinson
LaHarpe	Justin A. Stewart	Jane Robertson

School	Superintendent	Principal
Lake Forest		
Lake Forest Academy		John W. Richards
Ferry Hall		Marion Coats
Lake View High School (*Chicago*)	J. D. Shoop	B. Frank Brown
Lanark	J. H. Martin	Floy Painter
Lane Technical High School (*Chicago*)	J. D. Shoop	W. J. Bogan
LaSalle-Peru Tp. (*LaSalle*)		T. J. McCormack
Latin School (*Chicago*)		R. P. Bates
Lawrenceville Tp.		Geo. B. Williams
Lemont Tp.		D. L. O'Sullivan
Lena	F. P. Donner	C. G. Kelley
LeRoy	T. F. McLamarrah	Effie Markwell
Lewistown	C. B. Smith	Wm. C. Wilson
Lexington	Theodore F. Fieker	L. Leila Renner
Libertyville	F. L. Holch	F. L. Holch
Lincoln	Wm. H. Hawkes	Bert Hudgins
Litchfield	D. H. Wells	J. C. Wiedrich
Lockport Tp.		Arvid P. Zetterberg
Loda	P. T. Walters	Ethel L. Chapman
Lovington Tp.		L. W. Chatham
McHenry	A. Edgar Nye	P. J. Dorr
McKinley High School (*Chicago*)	J. D. Shoop	Geo. M. Clayberg
McLean	J. J. Hagan	Belle Fairfield
McLeansboro	Louis Uhe	O. H. Epperson
McNabb (*John Swaney School*)		E. D. Lawrence
Macomb		
High School	A. L. Mangun	B. H. Watt
Western Ill. Nor. Acad.		W. P. Morgan, *Pres.*
Madison	J. W. Jackson	H. H. Janssen
Magnolia	Urban McDonald	Sadie B. Ellis
Maine Tp. (*Des Plaines*)		C. M. Himel
Mansfield	Lloyd Gohn	Ethel A. Ranson
Manteno Tp.		John W. Carrington
Manual Training High School (*Peoria*)		W. N. Brown
Marengo	E. A. Gardner	C. H. Herbalsheimer
Marion Tp.		Oren Coleman
Marissa Tp.		A. H. Fillers
Maroa Tp.	L. R. Blohm	Erna Reller
Marseilles	E. A. Collins	F. A. Bauman
Marshall High School (*Chicago*)	J. D. Shoop	Louis J. Block
Marshall Tp.		W. E. Harnish
Martinsville	Harvey M. Nickels	Harry L. Ryan
Mason City	G. A. Buzzard	Nettie C. Jencks
Mattoon	J. F. Wiley	H. B. Black
Maywood (*Proviso Tp.*)		J. E. Witmer
Mazon Tp.		A. D. Phillips
Medill High School (*Chicago*)	J. D. Shoop	Avon S. Hall
Mendon Tp.	G. A. Hillier	Ruth H. Fraser
Mendota Tp.		K. M. Snapp
Metamora Tp.		J. J. Thompson
Metropolis	F. A. Schrader	Mrs. Rose Cutting
Milford Tp.	H. W. McCulloch	Pearl Hickman
Minonk	Guy R. French	Gretchen Schiffbauer
Moline	Lewis A. Mahoney	E. P. Nutting
Momence	T. R. Johnston	V. T. Smith
Monmouth	L. L. Caldwell	D. T. Petty
Monticello Tp.	H. D. Ellis	Gladys Eade
Monticello Seminary (*Godfrey*)		Martina C. Erickson
Moore Tp. (*Farmer City*)		Geo. E. Anspaugh
Morgan Park High School (*Chicago*)	J. D. Shoop	John H. Heil
Morgan Park Preparatory Schools (*Chicago*)		Harry D. Abells
Morris	E. D. Martin	G. E. Round
Morrison	W. E. Weaver	Mae E. Grandon
Morrisonville	P. A. Tate	Cora Maxfield
Morton Tp.		T. L. Cook
Mound City	C. L. McCabe	Mary Roberson
Mounds Tp.		F. W. Prowdley
Mt. Carmel	A. S. Anderson	J. T. Dorris
Mt. Carroll		
High School	J. H. Browning	Edna V. Amborn
Frances Shimer School		W. P. McKee, *Dean*
Mt. Morris		
High School	Ira R. Hendrickson	
Mt. Morris Col. Acad.		J. F. Noffsinger
Mt. Pulaski Tp.		L. F. Fulwiler
Mt. Sterling	M. L. Test	Agnes Olson
Mt. Vernon Tp.		Silas Echols
Moweaqua	M. L. McManus	R. M. Uphoff
Murphysboro Tp.		G. J. Koons

School	Superintendent	Principal
NAPERVILLE		
HIGH SCHOOL	O. A. WATERMAN	V. BLANCHE GRAHAM
NORTHWESTERN COL. ACAD.		C. J. ATTIG
NASHVILLE	W. C. FAIRWEATHER	W. W. KRUMSIEK
NEOGA TP.		W. L. HAGEN
NEWMAN TP.		J. H. TRINKLE
NEWTON	C. E. GIRHARD	E. M. JASPER
NEW TRIER TP. (*Kenilworth*)		H. E. BROWN
NOKOMIS	W. P. THACKER	OWEN B. WRIGHT
NORMAL		
HIGH SCHOOL	C. F. MILLER	MILDRED FELMLEY
UNIV. HIGH SCHOOL		R. W. PRINGLE
NORTH HIGH SCHOOL (*Dixon*)	H. H. HAGEN	HELEN BROWN
NORTH PARK COLLEGE ACADEMY (*Chicago*)		C. J. WILSON
NORTHWESTERN COLLEGE ACADEMY (*Naperville*)		C. J. ATTIG
OAKLAND TP.		H. E. KANRR
OAK PARK AND RIVER FOREST TP. (*Oak Park*)		M. R. MCDANIEL
OBLONG TP.		V. I. BROWN
ODELL	M. V. LANTHORN	HELEN LYONS
OLNEY TP.		H. W. HOSTETTLER
ONARGA		
TOWNSHIP HIGH SCHOOL		S. E. LE MARR
GRAND PRAIRIE SEMINARY		HUBERT PHILLIPS
OREGON	F. G. TAYLOR	SUE L. WILSON
OTTAWA TP.		CHAS. H. KINGMAN
PALATINE TP.		A. B. MORRIS
PALESTINE TP.		D. B. FAGER
PANA TP.		W. E. ANDREWS
PARIS	T. J. BEECHER	J. R. EVERETT
PARKER HIGH SCHOOL (*Chicago*)	J. D. SHOOP	WILLIAM B. OWEN
F. W. PARKER SCHOOL (*Chicago*)		FLORA J. COOKE
PAWNEE TP.		W. B. ROSE
PAWPAW	GAYLE HUFFORD	GRACE CURRIER
PAXTON TP.		O. J. BAINUM
PECATONICA	A. E. TRUAX	SARA MARKS
PEKIN	ROBT. SMITH	RAYMOND ALLISON
PEORIA		
ACADEMY OF OUR LADY		SISTER MARIETTA
AVERYVILLE HIGH SCHOOL		H. E. ILER
BRADLEY POLYTECHNIC INST.		T. C. BURGESS, *Dir.*
CENTRAL HIGH SCHOOL	A. W. BEASLEY	W. T. VANBUSKIRK
MANUAL TR. HIGH SCHOOL		W. N. BROWN
PEOTONE	J. M. WILSON	J. M. WILSON
PETERSBURG	H. D. EICKELBERG	BEULAH M. WOOD
PHILLIPS HIGH SCHOOL (*Chicago*)	J. D. SHOOP	SPENCER R. SMITH
PITTSFIELD	R. R. KIMMELL	MISS GLENN GRIGGS
PLANO	H. L. TATE	MR. COBLE
POLO	C. H. ANDERSON	ELSIE ENGLISH
PONTIAC TP.		ARTHUR VERNER
PRINCETON		W. R. SPURRIER
PRINCEVILLE	W. M. LOY	ORPHA JOHNSON
PROPHETSTOWN	H. L. BARR	CECELIA WHELPLEY
PROVISO TP. (*Maywood*)		J. E. WITMER
QUINCY		
HIGH SCHOOL	CHAS. M. GILL	ZENS L. SMITH
ST. MARY'S ACADEMY		MOTHER MARY PETRA
RANTOUL	W. A. JUSTICE	R. W. TINK
RAYMOND	C. W. YERKES	C. A. GARST
RICHMOND	OSWELL TREADWAY	PEARL MARSDEN
RIDGEFARM TP.		E. R. SPENCER
RIVERSIDE TP.	A. F. AMES	G. J. MUELLER
ROBINSON TP.		J. O. MARBERRY
ROCHELLE TP.		HERMAN WIMMER
ROCK FALLS	E. O. PHARES	LUELLA COWING
ROCKFORD		
HIGH SCHOOL	R. G. JONES	C. P. BRIGGS
HARLEM CONSOLIDATED SCHOOL		EARL M. PALLETT
ST. THOMAS SCHOOL		SISTER M. GABRIELLA
ROCK ISLAND		
HIGH SCHOOL	E. C. FISHER	A. J. BURTON
AUGUSTANA COL. ACAD.		J. MAURITZSON
VILLA DE CHANTAL		SISTER F. BORGIA
ROLLO CONSOLIDATED		ALFRED TATE
ROODHOUSE	J. F. PURSIFULL	S. T. WALLAGE
ROSEVILLE TP.		M. P. WILKINS
ROSSVILLE	I. A. SMOTHERS	OTT WORLEY
RUSHVILLE	C. E. KNAPP	LAURA KNOWLES
RUTLAND TP.		LILLIAN A. PURKHISER
ST. ANNE	E. L. KIMBALL	LILLIAN WARING
ST. CHARLES	M. F. MCAULEY	MARY LANGWILL

School	Superintendent	Principal
St. Elmo	Ernest T. Jackson	L. Glenn McCormack
St. Francis Academy (*Joliet*)		Sister M. Faustina
St. Ignatius Academy		Geo. J. Leahy, S. J.
St. Mary's High School (*Bloomington*)		Rev. M. Weldon
St. Thomas School (*Rockford*)		Sister M. Gabriella
Salem	H. J. Blue	Robt. Worthington
Sandwich	W. W. Woodbury	Maud Webster
Savanna Tp.		W. F. Martin
Saybrook	E. M. Deem	Jessie Paterson
Senn High School (*Chicago*)	J. D. Shoop	Benj. F. Buck
Sheffield	Lewis C. Robey	Lewis C. Robey
Shelbyville	A. F. Lyle	I. B. Potter
Sheldon	J. H. Armitage	Grace Randall
Sidell Tp.		V. W. McIntire
Southern Illinois Normal Univ. High School (*Carbondale*)		F. G. Warren
Sparta Tp.		E. O. Bottenfield
Springfield		
High School	H. S. Magill, Jr.	I. M. Allen
Ursuline Academy		Mother Antonia
Spring Valley		
Hall Tp.		E. L. Bost
Stanford	C. W. Moore	Mrs. C. W. Moore
Staunton	Wm. E. Eccles	E. A. Muir
Sterling Tp.		E. T. Austin
Stockland Tp.		F. L. Bennett
Stockton	J. C. Myers	John Guenther
Stonington	G. E. Lowry	Miriam Post
Streator Tp.		W. D. Waldrip
Stronghurst	W. S. Pope	Myrtle Hastings
Sullivan Tp.		T. H. Finley
Sycamore	O. E. Peterson	A. G. Umbreit
Taylorville Tp.		R. G. Beals
Thornton Tp. (*Harvey*)		
Tilden High School (*Chicago*)	J. D. Shoop	Edward F. Stearne
Tiskilwa (*Joint Tp.*)		J. T. Meyers
Tolono	Mellie John	Elizabeth Donaldson
Toluca Tp.		F. W. Nichols
Toulon Tp.		Eugene Mendenhall
Tuley High School (*Chicago*)	J. D. Shoop	Franklin P. Fisk
Tuscola Tp.		J. C. Hammond
Union Academy (*Anna*)		W. O. Shewmaker
University High School (*Chicago*)		F. W. Johnson
Urbana	A. P. Johnson	M. L. Flaningam
Ursuline Academy (*Springfield*)		Mother Antonia
Vandalia	J. F. Hickman	E. M. Augspurger
Vermilion Grove		
Vermilion Academy		J. B. Benson
Vermont	J. R. Bouton	Marie R. Way
Vienna Tp.		M. T. VanCleve
Villa de Chantal (*Rock Island*)		Sister Mary Agnes
Villa Grove Tp.		H. L. Dyar
Virden Tp.		Clyde Slone
Virginia	H. S. Stice	Laura Mason
Waller High School (*Chicago*)	J. D. Shoop	J. E. Adams
Walnut	Rufus Grigsby	E. A. Lansche
Warren	R. I. Lewis	F. M. Foster
Warsaw	L. Fairfax	Mr. Bardeus
Washburn Tp.		E. W. Zeppenfeld
Washington	Paul Smith	V. G. Catlin
Waterloo	Glenn O. Brown	C. H. Struckmeyer
Watseka	L. W. Haviland	R. L. Lorton
Waukegan Tp.		W. C. Knoelk
Waverly Tp.		L. W. Ragland
Wenona	Harold Tice	Waldo T. Johnson
West Chicago	H. H. Kirkpatrick	Ruth Closson
West High School (*Aurora*)	S. K. McDowell	K. C. Merrick
Western Illinois State Normal (*Macomb*)		W. P. Morgan, *Pres.*
Western Military Academy (*Alton*)		Geo. D. Baton
Westfield Tp.		C. E. Bates
Westville Tp.		Sherman Cass
Wheaton		
High School	J. B. Russell	Ella M. Gregg
College Academy		Wm. F. Rice
Whipple Academy (*Jacksonville*)		C. H. Givan
White Hall	J. B. Hendricks	
Wilmington	J. W. Bedell	W. D. Sterrett
Winchester	Chas. W. Smith	Olive L. Wells
Wood River	G. A. Smith	C. E. Russell
Woodstock	R. W. Bardwell	Jessie E. Jewett
Wyoming	C. W. Pratt	A. Lauder
Yorkville	F. W. Ackerman	Russell H. Yankie

PARTIALLY ACCREDITED SCHOOLS

School	Superintendent	Principal
EAST ST. LOUIS		
LINCOLN HIGH SCHOOL		J. W. HUGHES

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 the time should 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 of first year of algebra. *Students desiring to continue their study of mathematics in the University will need to present one and one-half units of algebra.*

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 consist of a working knowledge of both single and double entry bookkeeping for the usual lines of business. The student should be able to change his books from single to double entry and from individual to proprietorship. At least one set of transactions should be kept by single entry and at least two sets by double entry in which the uses of the ordinary bookkeeping books and commercial papers should be involved. The student should be drilled in the making of profit and loss statements and of balance sheets and should be able to explain the meanings of the items involved in both kinds of instruments. The work should 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 should 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 should be so arranged that at least one-half of the time shall be given to the laboratory. The course as is given in the best high schools in one year will satisfy the requirements 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.—Such an amount of study of the American Government, its history and interpretation, as is indicated by any of the usual high-school text-books on civil government, is regarded as sufficient for one term. The work may advantageously be combined with the elements of political economy.

9. 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.

10. 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). Of the foregoing (a) will be accepted as a unit's work; or two half units taken from (a) and (b), or (a) and (c), or (b) and (c) will be accepted as a unit's work. The work is to be done by trained teachers with individual equipment, as determined by inspection.

11. DRAWING.—Free-hand 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.

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

13. ENGLISH COMPOSITION AND RHETORIC.—Correct spelling, capitalization, punctuation, paragraphing, idiom and definition; the elements of rhetoric. The candidate will be required to write two paragraphs of about one hundred fifty words each to test his ability to use the English language. This work counts for one unit.

14. 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; Virgil'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.

V. Palgrave'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; Byron'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, Herve 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 1917 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.

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.

15. 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.

16. 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 note-books should be presented.

17. 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.

18. 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 pronounciation 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 this 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 texts studied rather than translation of English selections. The reading should be divided about equally between modern and classical authors.

19. 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.

20. 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.

21. 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 Gallic 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 Virgil's Aeneid, with history and mythology; the scansion of hexameter verse.

22. MANUAL TRAINING.—The requirement for one unit is the equivalent of 360 forty-minute periods in manual training following the syllabus prepared by the manual-training section of the High School Conference.

23. MUSIC.—At the present time, only a few high schools are accredited in music, and credit is therefore given in most cases by examination at the University. As fast as possible, schools offering acceptable work in music will be accredited therefor. 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 a moderate speed; Bach, two-part invention; 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 for two units in *violin*, students are required to play the following or the equivalent: Gordon's Foundation Studies; Hermann's Scale Studies; Wahlfahrt's Etudes, Book I; Kayser's Etudes; Pleyel, Duet; selections from Weiss and Blumenstengel; miscellaneous pieces by Dancla, Papini, Weidig, Sitt, etc.

24. 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 should accompany the text-book work. The candidates' laboratory note-book will be considered as part of the examination.

25. 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 should be presented for inspection.

26. 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.

27. SPANISH, *First year's work.*—Elementary grammar, including thoro drill in the irregular verbs; careful training in pronounciation, 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.

28. 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.

29. 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 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 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 characters, 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.

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, the College of Commerce and Business Administration, and the College of Agriculture, credit for 130 hours is required for graduation. 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 75 in subjects aggregating at least three-fourths of the work, prescribed or elective, required for such degree.

Military Science and Physical Training

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

Thesis

In all cases in which a thesis is required,[1] 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 upon regulation paper; it is deposited in the library of the University.

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 includes at least 30 semester hours not counted for the first degree.

[1] See requirements for graduation in the various colleges.

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, or in the College of Agriculture. This degree is conferred on a graduate of the College of Liberal Arts and Sciences who completes a curriculum in chemistry and may be conferred on graduates from other curriculums in this College on recommendation of the faculty. It may also be 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.

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 freshman and sophomore years in all studies except military and physical training. The number of persons to whom honors are awarded may not exceed one-tenth of the membership of the sophomore class. A failure in any subject disqualifies a student from receiving these honors. 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. The number of persons to whom final honors are awarded may not exceed one-tenth of the membership of the senior class. A failure in any subject during the junior and senior years disqualifies a student from receiving these honors. 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 eighty per cent in any subject. Special honors are planned for especially brilliant students who prefer to concentrate their efforts upon 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 have been authorized to recommend candidates for the degree of Bachelor of Arts *with honors* in a particular subject. Candidates for the degree with honors will be recommended by the faculty under the following conditions:

(1) The student must have completed the work offered for his major with an average of not less than 90.

(2) He must have completed the work offered for his minor with an average of not less than 85.

(3) Each candidate is required to present a thesis in his major subject.

(4) Especially poor or careless work in any other subject may, by vote of the faculty, cause the honor degree to be withheld.

The purpose of these honors is not to encourage premature specialization but to give special recognition to students who have pursued with success correlated courses of study, and to emphasize the importance, for scholarship in any subject, of thoro training in other related subjects. Candidates should announce their intention as early as possible in their college course and consult freely with the head of the department concerned in regard to the selection of their studies.

Candidates for the degree of Bachelor of Science in the College of Liberal Arts and Sciences are eligible for final and special honors under the regulations stated on page 87.

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 1915-16 are published in Part VI of this 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. Through the generosity of Hon. William B. McKinley a gold watch-fob is presented to every speaker who represents the University, either in debate of in oratory.

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, Oberlin College, 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 1917 will be held on May 4, at Minneapolis, Minnesota. 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.

The Intercollegiate Peace Association holds annual state and inter-state oratorical contests to which representatives of this University are eligible. Orations must be upon some phase of the peace question. Cash prizes are offered in both contests.

A Freshman-Sophomore Debate and an Inter-Society Declamation Contest are held yearly.

The Interscholastic Oratorical Prize

A medal of the value of twenty dollars, and two medals of the value of ten dollars, each, are offered annually by the University to the high schools of the State for the best orations delivered in a competitive contest between their rep-

resentatives. This contest takes place in the spring at the time of the interscholastic athletic meet—in 1917, on May 18.

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 of Illinois on a subject connected with ancient Irish literature, history, or archeology. The essays must be submitted one month before Commencement Day; the prize is awarded at Commencement.

THE BRYAN PRIZE

In 1908 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 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 will be offered next in 1917.

B'NAI B'RITH PRIZES

The Champaign and Urbana lodge of the Independent Order of B'nai B'rith has donated to the University the sum of fifty dollars, to be awarded in prizes to students of the University for essays on Jewish subjects. The sum named is the third of five annual contributions to be given for this purpose. For information in regard to the conditions governing the awarding of the prizes, address the Registrar, University of Illinois, Urbana, Illinois.

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 Joseph C. Llewellyn Prize in Architectural Engineering

In June, 1913, Mr. Joseph C. Llewellyn, of Chicago, a graduate of the University of the class of 1877, established, for a period of four years, a prize of fifty dollars per annum for a problem in design, the competition being limited to students in architectural engineering.

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 years' 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 infantry companies and artillery and signal detachments 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 rifle team making the highest score at gallery target practice are also awarded medals. The medals so awarded become the permanent property of the recipients. A complete roster of the winning organizations is published in the Annual Register of the University for the following year. (See Part VI.)

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 85, and three semesters' work in Military 2 with a grade of not less than 90; and he must have an average standing of not less than 80 per cent 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 Hazleton contest.

The Hazleton Prize Medal

Captain W. C. Hazleton 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.

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 faculty 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 1916 follows. Lectures by members of the University faculty are excluded from this list.

GENERAL UNIVERSITY EXERCISES

Convocations

Feb. 16. UNIVERSITY CONVOCATION: Address by GEORGE S. EDDY: "The present world situation."

Apr. 19. UNIVERSITY CONVOCATION: Dedication of the CHEMISTRY LABORATORY. Address by Dr. W. R. Whitney, Columbia University.

Sept. 20. Annual Convocation for Freshmen.

Oct. 18. University Convocation: Addresses by Dean H. W. BALLANTINE and Dean FANNY C. GATES.

General University Lectures

Feb. 14. Dr. JOSE M. GALVEZ, University of Chile: "Removing the barrier of language."

Feb. 21. Mr. NORMAN ANGELL, London: "America's future foreign policy."

Feb. 24. Mr. L. B. KITCHELL: "Glacier National Park."

Mar. 29. Mr. LORADO TAFT, Art Institute, Chicago: "The sculpture of the Gothic and French renaissance."

Apr. 5. Mr. LORADO TAFT: "Modern French sculpture."

May 1. Mr. C. N. HUNT: "Yellowstone Park."

May 2. Miss IRENE MANVY, "Hospital experiences at the front in France."

May 3. Mr. LORADO TAFT: "Modern German sculpture."

May 8. Hon. JOHN BARRETT, Director-General, Pan American Union: "South American banking."

May 9. Professor GRANT SHOWERMAN, University of Wisconsin: "The modest modernist" (under the auspices of Phi Beta Kappa and Sigma Xi).

May 15. Mr. LORADO TAFT: "American sculpture."

May 25. MR. BURR MCINTOSH.

Oct. 17. Judge J. R. BANE: "The character of Abraham Lincoln."

Nov. 9. Professor A. G. VANHECKE, Louvain, Belgium: "Life in the camp of the refugees."

Nov. 27. Mr. LORADO TAFT: "The processes of sculpture."

Dec. 12. Mr. LORADO TAFT: "The Greek tradition in sculpture."

The Star Lecture Course

Jan. 18. Admiral ROBERT E. PERRY.

Feb. 9. FRITZ KREISLER.

Mar. 14. ISABELLA G. BEECHER.

Apr. 4. Madame JULIA CLAUSSEN.
Nov. 8. Madame JOHANNA GADSKI.
Dec. 1. EVAN WILLIAMS.

University Orchestral Concerts

Mar. 22. THE NEW YORK SYMPHONY ORCHESTRA.
Apr. 10. THE NEW YORK PHILHARMONIC ORCHESTRA.
May 10. THE MINNEAPOLIS SYMPHONY ORCHESTRA.
Oct. 20. THE RUSSIAN SYMPHONY ORCHESTRA.
Dec. 4. THE ST. LOUIS SYMPHONY ORCHESTRA.

Exhibitions

Jan. 10–14. ARCHITECTURAL EXHIBITION. Student drawings exhibited at Washington, D. C., in connection with the annual convention of the American Institute of Architects.

Jan. 17–27. ART EXHIBIT. Paintings and drawings by faculty members.

Mar. 12–27. MUSEUM OF EUROPEAN CULTURE EXHIBIT. Collection of manuscripts and historical documents lent by Dr. B. L. Riese of Chicago.

Mar. 19–Apr. 1. LIBRARY EXHIBIT. Collection of alphabets, books, maps, and music for the blind.

Mar. 20–24. ARCHITECTURAL EXHIBITION. Preliminary drawings of the Plym Fellowship in Architecture.

Mar. 27–31. ARCHITECTURAL EXHIBITION. Student work by the ten leading schools of architecture.

Apr. 10–14. ARCHITECTURAL EXHIBITION. Private collection of etchings loaned by Mr. J. Andre Smith of New York City.

Apr. 10–15. ART EXHIBIT. Collection of etchings, woodblock prints, and monotypes, by the print makers of Los Angeles, California.

Apr. 16. FLORAL EXHIBIT. Exhibition of floral arrangements by the class in floral arrangements.

May 1–5. ARCHITECTURAL EXHIBITION. Winning drawings for the Scarab medal in Architecture.

May 11–13. PUBLIC SCHOOL ART EXHIBIT.

May 11–20. STUDENT ART EXHIBIT.

May 12. RAILWAY OPEN HOUSE. An exhibit of the laboratories for Railway Engineering, including the locomotive laboratory and the test cars, under the management of the Railway Club.

May 15–24. ARCHITECTURAL EXHIBITION. Drawings of Mr. Roger C. Kirchhoff, winner of the Plym Fellowship in Architecture.

May 15–24. ARCHITECTURAL EXHIBITION. Work done by students in the department of architecture.

Sept. 25–29. ARCHITECTURAL EXHIBITION. Summer work done by the faculty.

Sept. 26–29. VEGETABLE EXHIBIT.

Oct. 2–6. ARCHITECTURAL EXHIBITION. Work done by freshmen in the department of architecture.

Oct. 15. M. E. OPEN HOUSE. An exhibit of apparatus and appliances under the management of the Student Branch of the American Society of Mechanical Engineers.

Nov. 12. CHRYSANTHEMUM SHOW.

Nov. 12–27. ART EXHIBIT. American Paintings.

Dec. 5–16. LIBRARY EXHIBIT. Books for Christmas buying.

Dec. 13–15. FRUIT AND VEGETABLE EXHIBIT.

Entertainments

Feb. 8. Post Exam Jubilee.
Feb. 11. Literary Societies' Dramatic Union: "A Winter's Tale."
Feb. 17. Dramatic Reading: Madame Guerin (under the auspices of the Alliance Francaise), "Three victims of the French Revolution: Madame Roland, Marie Antoinette and Charlotte Corday."
Feb. 18 and Mar. 5. Players' Club: "You Never Can Tell."
Mar. 4. University Band Concert.
Mar. 11. Sir Johnston Forbes Robertson and his English Company: "The Passing of the Third Floor Back," "Hamlet."
Mar. 31. Illinois-Michigan Debate.
Apr. 12. Choral and Orchestral Society Concert: "A Tale of Old Japan."
Apr. 15. Illinois Union Opera: "I'm Neutral."
May 11. May Pole Dance and Girls' Stunt Show.
May 12. Interscholastic Oratorical Contest. Glee and Mandolin Club Concert.
May 13. Interscholastic Circus.
May 24. Concert, University Choristers.
May 26. Mask and Bauble: "As You Like It."
June 10. Band Promenade Concert.
Nov. 13. Player's Club: "Rosalind." "The Workhouse Ward."
Nov. 17–18. Mask and Bauble: "A Pair of Sixes."
Nov. 22. Theatre de la Renaissance Francaise en Amerique: "Le Jeu de l'Amour et du Hassard."
Nov. 24. Deutsche Verein: "Der Dummkopf."
Dec. 8. Illinois-Minnesota Debate.
Dec. 19. Christmas Concert, Choral and Orchestral Society.

The Eddy Lectures Under the Auspices of the University Christian Associations

Feb. 17–20. George Sherwood Eddy, Y. M. C. A. Secretary for Asia: "Ambition, a man's main motive." "The challenge of honest doubt." "Fight for character." "The Christian solution of life."

The Annual Bon Durant Lectures

Mar. 26–31. President H. O. Pritchard, Eureka College: "What did Jesus teach about God?" "What did Jesus teach about man?" "What did Jesus teach about sin?" "What did Jesus teach about the kingdom?" "What did Jesus teach about discipleship?" "What did Jesus teach about himself?"

Short Courses and Conventions

Jan. 10–22. Short Course in Ceramic Engineering.
Jan. 10–22. Short Course in Highway Engineering.
Jan. 17–28 and Jan. 31–Feb. 5. Short Courses in Household Science.

Addresses Before the School for Housekeepers

Jan. 17–21. Mrs. T. Vernette Morse, Chicago: "Value of an art Education in community and individual life." "Home furnishings and decorations as an element in character building." "Correlation of community interests and recreation movements." "Related vocations of the home, school, and business world." "Results of commercializing home occupations."
Jan. 18–21. Mrs. E. W. Donoho, Chicago: Four lectures and demonstrations on foods.

Jan. 20–21. Mrs. Cecil F. Baker, Chicago: "Draping and design," "Market problems in buying clothing."

Jan. 22. Mrs. H. M. Dunlap, Savoy: "Problems in furnishing in the transition from the old home to the new."

Jan. 24. Mrs. Sam Curry, Camp Point: "The call of the farm woman."

Mrs. Anna D. Livingston, Poplar Grove: "The flower garden as a factor in the home beautiful."

Jan. 25. Mrs. J. H. Watkins, Kankakee: "Town versus country life for the retired farmer."

Jan. 26. Miss Eva Benefiel, Kankakee: "Exhibits at county fairs as aids in the educational development of a community."

Jan. 26. Miss Anna May Price, Springfield: "The children's hour."

Jan. 27. Miss M. Anna Wilson, Champaign: "Home economics work of the Young Women's Christian Association."

Mrs. Fred L. Hatch, Spring Grove: "Home economics work of the federated clubs."

Miss Laura Gonterman, Edwardsville: "Home economics work of the State Fair School."

Mrs. H. A. McKeene, Springfield: "Home economics work of the Farmers' Institute."

Jan. 31–Feb. 5. Course for Bakers

Dr. C. H. Bailey, St. Paul: Twelve lectures and demonstrations on flours and bread.

Jan. 25. Convention of American Water Works Association.

Jan. 31–Feb. 5. Short Course in Business.

Feb. 23–24. Illinois State Electrical Association.

Mar. 8–10. Drainage Conference.

Apr. 6–8. Illinois Country Press Conference.

Apr. 18–21. Annual Meeting of the American Chemical Society.

May 5–6. Annual Meeting of the Business Officers of Middle Western Universities.

June 20–23. Better Community Conference.

Mr. Graham Taylor, Chicago Commons: "The spirit of social service."

Mr. Sidney A. Teller, Director of Stanford Park, Chicago: "Recreational life of the community."

Mr. William A. Wirt, Superintendent of Schools, Gary, Indiana: "A balanced load program for child welfare agencies."

Meeting Illinois Farmers' Hall of Fame: Unveiling of portrait of B. F. Harris I.

Hon. Carl Vrooman, Assistant Secretary of Agriculture: "The new agriculture."

Mr. Homer Tice, Author of Tice Road Law: "The social significance of good roads."

Mr. Warren H. Wilson, New York City and Shailer Mathews, President of the Federal Council of the Churches of Christ of America: "Religion and the Common Life."

Mr. Harry A. Wheeler, First President of Chamber of Commerce of the United States: "American ideals in commerce."

Mr. Lorado Taft, Art Institute, Chicago: American ideals in art."

Nov. 13–17. State Convention of Illinois Federation of Women's Clubs.

Dec. 7–8. Convention of Illinois Municipal League.

THE COLLEGE OF LIBERAL ARTS AND SCIENCES

College Assemblies

Jan. 13. Mr. A. W. DOUGLAS, Vice President, Simmons Hardware Co.: "The preparation which business affords for public life."

Feb. 4. Mr. JOHN MASEFIELD: "Literature as a career."

Mar. 9. Dean HENRY M. BATES, University of Michigan Law School: "The profession of law, its development, present day criticisms, and needed readjustments."

Apr. 6. Mr. JAMES SHERMERHORN, Editor of the Detroit Times: "Testing the beatitudes; a twentieth century adventure in journalism."

Nov. 23. Professor JOEL STEBBINS: "Measuring the light of the stars."

Dec. 14. Professor JACOB KUNZ: "Recent light on the ultimate construction of matter."

College Lectures.

Jan. 10. Mr. FRANCIS GRIERSON: "How I developed my gift of improvisation." "The Awakening," with improvisations on the piano.

Feb. 22–28. Professor A. J. CARNOY, University of Louvain, Belgium: "Races and languages of Belgium." "History of Belgium." "Belgian literature."

Mar. 6–10. Dr. JAMES BROWN SCOTT, Secretary, Carnegie Endowment for International Peace: "Conditions of national and international peace."

Mar. 16. Mr. G. LOWES DICKINSON, Cambridge University: "International reconstruction after the war."

Apr. 4–10. Professor KUNO MEYER, University of Berlin; Director of Irish Learning, Dublin: "Celtic and Arthurian romance." "Celtic elements in Great Britain and Ireland." "Celtic influences in other European languages." "Early Irish civilization." "Ancient Irish literature." Ancient Welsh literature." "Celtic influences in other literatures."

Chemistry

May 1–5. Professor M. A. ROSANOFF, University of Pittsburgh: "The kinetics of some organic reactions." "Theory of fractional distillation."

Classics

Apr. 17. Professor HENRY BROWNE, University College, Dublin: "Classical and medieval architectural requirements."

Education

Mar. 21. Principal J. B. DAVIS, Grand Rapids, Michigan: "Vocational and moral guidance: a nine years experiment."

Apr. 17–18. Professor E. P. CUBBERLEY, Stanford University: "The rural problems and the county unit," "Recent developments in the high schools of California." "The nature of the superintendent's work."

Apr. 18. Superintendent H. B. WILSON, Topeka, Kansas: "The superintendent's chief business."

Nov. 22. President W. A. JESSUP, University of Iowa: "School administration."

English

Apr. 13. Professor JAMES O'NEILL, Head of the Department of Public Speaking, University of Wisconsin: "Public speaking as an academic discipline."

June 5. Professor ERNEST BERNBAUM, Harvard: "The French Revolution and the English sentimentalists."

Romance Languages

Jan. 11. Mr. Francis Grierson: "Reminiscences of French poets."

May 18. Professor Ernest H. Wilkins, University of Chicago: "Lorenzo de Medici and his circle."

Dec. 11. Professor Henri David, University of Chicago: "La comedie de La Fontaine."

Sociology

Feb. 10. Mr. Sidney A. Teller, Director, Stanford Park, Chicago: "The playground movement in America."

THE COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

Apr. 4–6 Miss Anna E. Reese, J. J. Badenoch Co., Chicago: "Grain exchanges and the grading and warehousing of grain." "The transportation, marketing and price of grain." "Effects of the war on marketing grain and grain products."

May 9–12. Professor Moritz J. Bonn, University of Munich: "International trade." "International credit."

THE COLLEGE OF ENGINEERING

College Assemblies

Jan. 26. Mr. K. Llewellyn, National Tube Company, Chicago: "The making of tubes." (Moving picture lecture).

Feb. 10. C. H. Benjamin, Dean of the College of Engineering, Purdue University, Lafayette, Indiana: "Perpetual motion."

Feb. 16. S. T. Henry, (University of Illinois, '04), Vice-President, McGraw-Hill Publishing Company, New York: "The business side of engineering."

Feb. 22. E. A. Hitchcock, Power Sales Engineer, E. W. Clark & Company, Management Corporation, Columbus, Ohio: "Hydro-electric developments in the south."

Mar. 6. Dr. Edward P. Hyde, Director Nela Research Laboratory, Cleveland, Ohio: "The modern attack on the lighting problems."

Mar. 8. Mr. H. M. Biebel, Pittsburgh, Pennsylvania: "Electrical engineering design."

Mar. 9. Mr. Benjamin Brooks, Engineer, International Clay Products Bureau, Kansas City, Missouri: "Clay products as applied to sewerage and sanitation."

Mar. 16. Mr. E. C. Lowe, Senior member of firm Lowe & Bollenbacher, Chicago, "Church architecture."

Mar. 29. Mr. H. I. Smith, Mining Engineer, U. S. Bureau of Mines, University of Illinois. "Mining concentration and metallurgy of copper."

Mar. 30. Mr. R. W. Lindsey, Chief Chemist, Pratt and Lambert, Inc., Buffalo, New York: "The manufacture of varnish."

Apr. 3. Professor W. S. Franklin, formerly of Lehigh University: "Some needed additions to the subject matter of theoretical mechanics as presented to engineering students."

Apr. 4. Professor W. S. Franklin: "The second law of thermodynamics from a vividly physical point of view." "The limitations of one-to-one correspondence in physics."

Apr. 5. Professor W. S. Franklin: "Some needed additions to the subject matter of theoretical mechanics as presented to engineering students."

Apr. 6. Professor W. S. Franklin: "Electric waves." "Some mechanical analogies in electricity and magnetism."

Apr. 7. Professor W. S. FRANKLIN: "Some Phenomena of fluid motion and the curved flight of a baseball." "The educational problems of an industrial community."

Apr. 12. Mr. IRVING FELLNER, Publicity Manager, Kawneer Manufacturing Company, Niles, Michigan: "The manufacture of store fronts."

Addresses Before the Freshman Class

Jan. 26. Mr. LLEWELLYN, National Tube Company, Chicago: "Processes of manufacture of butt and lap weld pipe."

Feb. 16. Mr. S. T. HENRY, Vice-President of the McGraw Publishing Company, New York: "If I were a freshman again."

Feb. 23. FILMS "Concrete on the farm." "Automobile construction." (Overland Company).

Mar. 15. FILMS. "Mining of asphalt in Trinidad and the making of roads."

May 10. MOTION FILMS. "Processes of manufacture of Ford automobiles."

Architecture

Mar. 30. Mr. R. D. LINDSEY, Chief Chemist, Pratt and Lambert Company, Buffalo, New York: "The manufacture and uses of paints and varnishes."

April 12. Mr. IRVING FELLNER, Publicity Manager, Kawneer Manufacturing Company, Niles, Michigan: "The design and construction of store fronts."

Nov. 23. Mr. E. A. STERLING, National Lumber Manufacturer's Assn.: "Wood."

Ceramic Engineering

May 24. Mr. A. E. HUCKINS, Manager, Sheldon Brick and Building Supply Company, Urbana, Illinois: "Problems of the face brick salesman."

Civil Engineering

Mar. 3. Mr. H. R. THOMAS, Associated with the Railroad Track Tests of the Joint Committee of the American Railroad Engincering Association and the American Society of Civil Engineers. Urbana, Illinois: "Methods of testing railroad tracks for stresses."

Apr. 21. Mr. A. F. ROBINSON, Bridge Engineer, Atchison, Topeka & Santa Fe Railroad, Chicago: "Selection of bridge types."

Electrical Engineering

Mr. C. R. UNDERHILL, Chief Electrical Engineer, Acme Wire Company, New Haven, Connecticut: "Electrical magnets."

E. C. HIGGINS, Educational Department, Western Electric Company, Chicago. "The establishment of a transcontinental telephone line."

Mining Engineering

Mar. 29. Mr. H. I. SMITH, Mining Engineer, Bureau of Mines, Urbana, Illinois: "Anthracite mining and preparation."

Nov. 10. Dr. H. M. BANE: "Mining in Siberia."

Mechanical Engineering

Jan. 13. Mr. O. A. MONNETT, American Radiator Company, Chicago: "Smokeless combustion."

Jan. 20. Mr. W. A. BLONCK, Blonck & Company, Engineers, Chicago. "Boiler practise in the United States and foreign countries."

Railway Engineering

Mr. W. H. HAUSER, Mechanical Engineer, Chicago and Eastern Illinois Railroad, Danville, Illinois: "Opportunities for technical graduates in railway service."

THE COLLEGE OF AGRICULTURE

Agricultural Extension

Jan. 6. Mr. J. C. THORPE, President Illinois Motor Company, Urbana: "Care and operation of automobiles."

Jan. 10. Mr. J. V. STEVENSON, Streator: "The farmer of today."

Mar. 8. Hon. A. N. ABBOTT, Morrison: "Constructive influences in Illinois agriculture."

May 24. Mr. J. V. STEVENSON, Streator: "The conduct of an agricultural student after graduation."

Agronomy

Jan. 25. Mr. H. MENDELSOHN, Great Western Sugar Company: "Sugar beet industry of Colorado."

Mar. 14. Mr. C. H. OATHOUT, Consulting Agriculturist of Champaign County, Illinois: "The work of the county adviser."

Animal Husbandry

Feb. 10, 11, and 12. Dr. LAFAYETTE B. MENDEL, Yale University, New Haven, Connecticut: "General features of growth." "Changes in the food supply and their relation to nutrition." "Modifications and abnormalities of growth." "Some problems of growth."

Apr. 6. Mr. T. W. JERREMS, President of the Chicago Live Stock Exchange: "Functions of a commission man."

Apr. 13. Mr. J. E. POOLE of the *Chicago Live Stock World* and the *Breeder's Gazette:* "Live stock market reporting."

May 16. Mr. W. S. CORSA, Whitehall, Illinois: "Conducting public sales of pure-bred live stock."

May 18. Mr. S. T. KIDDOO, Vice-president of the Chicago Live Stock Exchange Bank: "Cattle financing."

May 23. Mr. L. L. HELLER of the National Wool Warehouse and Storage Company, Chicago: "Wool marketing."

Landscape Gardening

Jan. 20. TOM BENDELOW, Chicago: "Public golf courses and golf."

Mar. 9. GEORGE E. BURNAP, Washington, D. C.: "The new landscape architecture."

Landscape Architecture

Nov. 14. MR. THOMAS H. MAWSON, London: "The replanning of Athens, Greece."

THE LIBRARY SCHOOL

Jan. 4–5. Dr. E. C. RICHARDSON, Princeton University Library: "Paleography as a study for librarians." "Unusual methods of work used in Princeton university library."

Mar. 20. Miss FRANCES CULLEN, New York City: "Artistic book binding."

Apr. 27–28. Dr. ARTHUR E. BOSTWICK, Librarian, St. Louis Public Library: "The love of books as a basis for librarianship"; "A message to beginners."

May 19–20. Miss HARRIET A. WOOD, School Librarian, Portland Public Library: "The school library department" (two lectures).

Sept. 25. Mrs. IDA A. KIDDER, Librarian of the Oregon State Agricultural College: "The work of the Oregon State Agricultural College Library."

Nov. 14. Miss LUTIE E. STEARNS, formerly of the Wisconsin Library Commission: "The Library and the Ideal Democracy."

Nov. 21. Miss MAY MASSEE, Editor of the American Library Association Booklist: "The A. L. A. Booklist's selection for small libraries."

THE COLLEGE OF LAW

Mar. 8. DR. J. B. SCOTT, Secretary, Carnegie Endowment for International Peace: Annual address before the Order of the Coif.

Mar. 24. Hon. GEORGE H. WILSON: "The legislature and the making of laws."

Nov. 22. Mr. FLETCHER DOBYNS, Chicago: "Trial of jury cases."

THE SCHOOL OF MUSIC

Jan. 19. Dr. MANNES AND MRS. MANNES, New York: Recital.

Oct. 30. Mrs. ALMA WEBSTER POWELL, Brooklyn, New York. Lecture–recital.

Dec. 11. Mr. THEODORE SPIERING: Violin recital.

THE SUMMER SESSION

June 20. SUMMER SCHOOL CONVOCATION.

June 26–Aug. 4. Dr. GEORGE A. L. SARTON, University of Ghent: "The history of science and civilization during the fifteenth and sixteenth centuries."

June 26–July 7. Mr. I. B. STOUGHTON HOLBORN, Oxford University: "Athenian life and our own." "The world's greatest drama: Attic tragedy." "Socialism and individualism: Athens and Sparta." "The charm of the fourth century sculpture." "Religion in Athens." "The contrast between classical and medieval art." "Greek philosophy and modern popular thought." "How to approach Browning." "The veiled personality." "Browning's optimism."

June 29–July 1. Professor VAUGHAN MCCAUGHEY, College of Hawaii: "Polynesia." "The natural history of Hawaii." "Hawaiian songs and legends."

July 5–6. COBURN PLAYERS: "The Yellow Jacket." "The Taming of the Shrew." "The Merchant of Venice."

July 10–20. Mr. ARCHER B. HULBERT, Mariette College: "The geography and psychology of the Alleghaney barrier." "The paths of buffalo and Indian around and through the Alleghanies." "The grand advance from the Pennsylvania breeding-ground." "Through the portal of Cumberland Gap to the blue-grass region of Kentucky." "The Potomac route from Braddock's road."

July 31. Professor A. H. UPHAM, Miami University: "A century of books for children."

Aug. 6. Dr. M. C. TANQUARY, Crocker Land Expedition: "The Crocker Land Expedition."

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 periodical, the *Alumni Quarterly and Fortnightly Notes*. The alumni of the College of Medicine, the College of Dentistry, the School of Pharmacy, and the Library School have formed departmental organizations. Forty-one local alumni associations have been organized: thirteen in Illinois, two each in California, Missouri, New York, Ohio and Wisconsin, one each in Colorado, the District of Columbia, Idaho, Indiana, Iowa, Massachusetts, Michigan, Minnesota, North Dakota, Oregon, Pennsylvania, Tennessee, Texas, Utah, Washington, Brazil, India, and Japan. Regular University of Illinois alumni luncheons are held in fifteen cities. (See the Directory of Alumni Associations at the end of this volume.)

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 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 maintenance of high social standards. The administrative power is vested in an Advisory Board and an Executive Committee composed of representatives from the various women's organizations. Every woman in the University is, by virtue of her registration, a member of the League. The League manages a loan fund, supports a room in the Burnham Hospital, and provides the magizines for the Woman's Building.

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 $1.00 a semester. The Dean of Men is the Trustee of the Fund.

Literary Societies

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

The Christian Associations

The present membership of the Young Men's Christian Association is 404. The Association building furnishes free, for the use of all students, lounging room and library, game rooms, parlors, organization rooms for committee meetings, correspondence tables, and check room. The building also contains dormitories to accommodate ninety men. A cafeteria, whose manager is on the pay roll of the Association, serves 450 to 500 persons daily. Religious meetings for men are held occasionally on Sunday afternoon. Thursday evening meetings are addressed by prominent faculty members on ethical topics. Student-led classes in Bible Study are promoted, the teachers receiving training in normal groups. An employment bureau managed by a special secretary, who maintains office hours every afternoon in the Association building, endeavors to help students to 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 bowling alley and modern dining room are in the basement. There are 427 members of the Y. W. C. A. In 1915-16 there were 540 young women enrolled in voluntary Bible Study and 99 in study of missions and social service. 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 their 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 $25.00 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.

Other Honorary and Professional Societies

Alpha Chi Sigma (Chemistry); Alpha Delta Sigma (Advertising); Alpha Gamma Rho (Agriculture); Alpha Kappa Psi (Commerce); Alpha Rho Chi (Architecture); Alpha Zeta (Agriculture); Beta Gamma Sigma (Commerce); Delta Sigma Rho (Oratory); Eta Kappa Nu (Electrical Engineering); Farm House (Agriculture); Gamma Alpha (Scientific); Graphomen (Journalism); Kappa Delta Pi (Education); Keramos (Ceramic Engineering); Ma-Wan-Da (Men's Senior Society); Medui (Pre-Medical); Omicron Nu (Household Science); Phi Delta Psi (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 Tau Sigma (Mechanical Engineering); Psi Mu (Architecture); Sachem (Men's Junior Society); Scabbard and Blade (Military); Scarab (Architecture); Sigma Delta Chi (Journalism); Sigma Mu Rho (Medical); Sigma Tau (Engineering); Tau Beta Pi (Engineering); Triangle (Civil Engineering); Tribe of Illini ("I" Men); U. L. A. S. (Landscape Architecture).

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, *le Cercle Francais, el Circulo Espanol*, the Chemical Club, the University of Illinois Section of the American Chemical Society, the Classical Club, *der Deutsche Verein*, the English Journal Club, the Geological Journal Club, the History Club, the Mathematical Club, the Oratorical Association, the Pen and Brush Club, the Philological Club, the Political Science Club, the Romance Journal Club, the Scandinavian Club, the Zoological Club.

In the COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION: The Commercial Club.

In the COLLEGE OF ENGINEERING: The Architectural Club, the Ceramic Engineering Club, the Civil Engineering Society, the Electrical Engineering Society, the Urbana Section of the American Institute of Electrical Engineers, the Student Branch of the American Society of Mechanical Engineers, the Student Branch of the American Institute of Mining 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.

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

In the LIBRARY SCHOOL: The Library Club.

In the LAW SCHOOL: Inns of Court.

FRATERNITIES, SOCIETIES, AND CLUBS

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

Sororities.—Achoth; Alpha Chi Omega; Alpha Delta Pi; Alpha Omicron Pi; Alpha Xi Delta; Chi Omega; Delta Gamma; Gamma Phi Beta; Kappa Alpha Theta; Kappa Kappa Gamma; Pi Beta Phi; Sigma Kappa.

Local Clubs.—Acanthus; Beta Pi; Beta Upsilon; Chi Beta; Chi Delta; Ilus; Iris; Psi Delta.

Interfraternity Organizations.—Men's Pan Hellenic Council; Girls' Pan Hellenic Association; Helmet; Yo Ma; Phi Delta Psi; Ku Klux Klan.

OTHER ORGANIZATIONS

Other students' societies include the following: Arkansas Club; Bushnell Guild; Chinese Students' Club; Beta Upsilon (Congregational guild); Comitatus (Democratic Club); Cosmopolitan Club; Culver Club; Dixie Club; Easterners' Club; Egyptian Club; H. H. Club; Hindusthani Association; Illinois Drama Federation; Inter-Collegiate Prohibition Association; Ivrim; Japanese Students' Club; Kansas Club; Komenian Society; Lambda Epsilon Phi (Republican Club); Lambkins' Club (interfraternity dramatic club); Lincoln League; Mask and Bauble (dramatic); Motorcycle Club; Scribblers' Club; Sewanee Circle; Shomeez (interfraternity Missouri club); Sigma Delta Theta (M. E.); Student Council.

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 and embodied in the General School Law of 1909 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 a scholarship. The holder of a scholarship is relieved of payment of the matriculation fee ($10.00, payable once, on entrance) and the incidental fee ($24.00 a year) for four years in any department of the University other than the professional schools. The term "professional schools," as here used, includes the College of Law, the Library School, the College of Medicine, the College of Dentistry, and the School of Pharmacy.

A competitive examination, under the direction of the President of the University, and upon such branches of study as the President may select, is held upon 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 80 per cent, exclusive of grades in military science and physical training.

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 and also with the County Superintendent of the county in which the nominee resides.

The nominee is then required, under the statute, (1) to pass the scholarship examination—the same that is given to competitors for the county scholarships on the first Saturday in June, under the County Superintendent; (2) to 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 (3) to 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. This second candidate is subject to all the requirements stated above; the scholarship examination will be given him at the University on the Wednesday preceding the fall registration days (in 1917, September 12).

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 ($10.00, payable once, on entrance) and the incidental fee ($24.00 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.

SCHOLARSHIPS IN AGRICULTURE AND HOUSEHOLD SCIENCE

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 household science 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 upon the recommendation of the Executive Committee of the Illinois Farmers' Institute; and to scholarships in household science upon 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 to appointment at 16 years of age. Candidates who cannot meet these entrance requirements are eligible to 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 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 ($10.00, payable once, on matriculation), the incidental fee ($24.00 a year), and (in the case of special students) the tuition fee ($15.00 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 of Illinois certain farm lands in Champaign County, in consideration whereof the Board of Trustees agreed to erect, as soon as might be feasible, a building for the music departments of the University of Illinois, to be known as the Tina Weedon Smith Memorial Building, and further to grant annually in the University of Illinois four (4) 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 said 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 85 in all subjects shall be eligible to 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 of Illinois, certifying that she is a graduate of the said 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 of Illinois 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. The next appointment will be made for September, 1919, and the examination will be conducted in June, 1919, by the University of Illinois. 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.

MILITARY SCHOLARSHIPS

Students who have had three semesters of class instruction in military science and four semesters of drill practise are eligible for appointment as commissioned officers of the University Corps of Cadets. To those attaining this rank, special military scholarships, good for one year, and equal in value to the university incidental fees for the year, are open. The amount of these scholarships is paid the holders at the close of the academic year. Appointments in the Corps of Cadets are made on the recommendation of the Commandant of Cadets, confirmed by the Council of Administration.

OTHER SCHOLARSHIPS

For *scholarships in the College of Law*, see page 206.
For *scholarships in the Summer Session*, see page 201.
For *fellowships and graduate scholarships*, see under Graduate School, page 182.

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 ($50); the maximum loan is one hundred and fifty dollars ($150) to a junior, and two hundred dollars ($200) to a senior or graduate student. Notes of hand are taken for the amount of the loans, with 5 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 $100.00 was established by the class of 1905, 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 Loan 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, 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 upon their own personal notes, and that a preference should be shown in making these loans to upperclassmen. The notes draw interest at 5 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 for 1916-17 offered the University $250 to be loaned to self-supporting students of high scholastic attainments. The loan bears interest at 4 per cent and is payable within one year after graduation. The fund has been loaned to two students, each of whom received $125.

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 5 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 7 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.

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, and Library School

Matriculation Fee. Each student not holding a scholarship, upon satisfying the requirements for admission to the University, pays the matriculation fee of $10.00

Incidental Fee. All students, excepting those holding scholarships, pay each semester, an incidental fee of 12.00

Tuition Fee. Students conditioned on entrance requirements, and special students, except special students (in agriculture or household science) holding scholarships, pay each semester, a tuition fee of 7.50

Laboratory Fees. Each student working in laboratories, or in the drafting or engineering classes, is required to pay a fee varying from $0.50 to $10.00, to cover materials and apparatus used and breakages or damages. (For a list of Laboratory Fees, see page 112.) .....

Deposit for Military Uniform. Male students, citizens of the United States, under 25 years of age, entering the University as freshmen or sophomores, make a deposit to cover the cost of the required military uniform[1] of 14.20

Listener's Fee. Persons not connected with the University who attend classes as listeners, pay for each course, each semester 7.50

Late Registration Fee. A former student who enters after the Registration Days in either semester must pay a late registration fee of 1.00

Change Fee. 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

Special Examination Fee. For any special examination, except examinations for advanced standing taken within sixty days after matriculation, the fee is 5.00

Diploma Fee 5.00

School of Music

College Courses

Matriculated students, residents of Illinois, pay, each semester, the incidental fee $12.00

Non-matriculated students, residents of Illinois, registered for the course in *Public School Methods*, as outlined on page 189, pay, each semester:

(1) The incidental fee $12.00

(2) The tuition fee 7.50

[1] Additional equipment costing $6.75 must be purchased.

All other students (including matriculated students not residents of Illinois and all conditioned and special students), pay, each semester:

If they take music only, special music fees, as follows:

For two lessons a week	$32.50
For one lesson a week	19.50
For harmony, counterpoint, fugue, etc	9.00

If they take, in addition to music, subjects in other departments:

(1)	The incidental fee	$12.00
(2)	Unless matriculated, the tuition fee	7.50
(3)	Special music fees, as follows:	
	For two lessons a week	$25.00
	For one lesson a week	15.00
(4)	For harmony, counterpoint, fugue, etc	9.00

Preparatory Courses

Students taking music only pay, each semester, special music fees as follows:

For two lessons a week	$19.50
For one lesson a week	11.00

Students taking, in addition to music, subjects in other departments pay, each semester:

(1)	The incidental fee	$12.00
(2)	Unless matriculated, the tuition fee	7.50
(3)	Special music fees, as follows:	
	For two lessons a week	$15.00
	For one lesson a week	8.50

Additional

Use of a piano for practise one hour a day, each semester	$ 3.00
Additional hours at the same rate.	
Use of organ for practise one hour a day:	
For one semester	$20.00
For one-half semester	10.00
Special students, taking music only, may enter classes in physical training on paying each semester	7.50
Diploma fee	5.00

College of Medicine

Freshman Year

Matriculation[1]	$ 10.00
Registration	5.00
Laboratory	30.00
General Tuition	120.00
Total	$165.00

Sophomore Year

Registration	$ 5.00
Laboratory	35.00
General Tuition	120.00
Total	$160.00

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

Junior Year

Registration	$ 5.00
Laboratory	5.00
General Tuition	140.00
Total	$150.00

Senior Year

Registration	$ 5.00
General Tuition	155.00
Diploma fee	5.00
Total	$165.00

College of Dentistry

Matriculation fee, paid but once, first year[1]	$ 10.00
Registration fee, each year	5.00
Tuition fee, each year (including laboratory and dissection fees)	150.00
Diploma fee (payable on graduation)	5.00

School of Pharmacy

Matriculation fee, paid but once, first year[1]	$ 10.00
Registration fee, each year	5.00
Tuition fee, each year	90.00
Tuition fee (longer course, 1916–17 only)	125.00
Laboratory fee (longer course, 1916–17 only)	15.00
Laboratory deposit, each year	10.00
Diploma fee (payable on graduation)	5.00

LABORATORY FEES (FOR MATERIALS) 1916-17

(The fees given below are in each case for one semester only; where a course runs through both semesters, the fee is to be paid each semester.)

An. Husb. 30	$ 1.00	Botany 22b (per hr.)	$ .50
Arch. 13	1.00	Botany 23	1.00
Arch. 14	1.00	Botany 25a	1.00
Arch. 15	1.00	Botany 25b	1.00
Arch. 16	1.00	Botany 27a	2.00
Bacteriol. 5	7.50	Botany 27b	1.50
Bacteriol. 5a	7.50	Botany 28 (per hr.)	.50
Bacteriol. 6	4.00	Botany 101	3.00
Bacteriol. 8	6.00	Botany 102	3.00
Bacteriol. 19	7.50	Botany 104	3.00
Bacteriol. 26	7.50	Botany 106	6.00
Bacteriol. 103	3.00	Ceramics 1	2.00
Bacteriol. 105	3.00	Ceramics 5	5.00
Botany 1	2.00	Ceramics 6	5.00
Botany 2a	1.50	Ceramics 11	5.00
Botany 2b	1.00	Ceramics 12	2.00
Botany 3a	3.00	Ceramics 13	4.00
Botany 3b	2.00	Ceramics 14	4.00
Botany 4	1.00	Ceramics 15	4.00
Botany 4a	1.00	Ceramics 16	4.00
Botany 4b	1.00	Chemistry 1	8.00
Botany 7a	5.00	Chemistry 1a	6.00
Botany 7b	5.00	Chemistry 1b	6.00
Botany 9a (per hr.)	.50	Chemistry 2a	8.00
Botany 9b (per hr.)	.50	Chemistry 2a (½ sem.)	5.00
Botany 16a	1.00	Chemistry 3a	8.00
Botany 16b	1.00	Chemistry 4	8.00
Botany 17a	1.00	Chemistry 5a	10.00
Botany 17b	1.00	Chemistry 5b	10.00
Botany 20	1.00	Chemistry 5d	10.00
Botany 21	1.00	Chemistry 8	8.00
Botany 22a (per hr.)	.50	Chemistry 9a	10.00

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

Chemistry 9b	$10.00
Chemistry 9c	10.00
Chemistry 10a	5.00
Chemistry 10b (½ sem.)	5.00
Chemistry 11a (per hr.)	2.00
Chemistry 11b (per hr.)	2.00
Chemistry 13a	10.00
Chemistry 13b	10.00
Chemistry 15	8.00
Chemistry 16	5.00
Chemistry 21	8.00
Chemistry 22	10.00
Chemistry 25	10.00
Chemistry 27	8.00
Chemistry 33	8.00
Chemistry 35	8.00
Chemistry 61	5.00
Chemistry 65	5.00
Chemistry 66	3.00
Chemistry 69	5.00
Chemistry 70	5.00
Chemistry 71	3.00
Chemistry 72	3.00
Chemistry 73	3.00
Chemistry 78	5.00
Chemistry 80	3.00
Chemistry 102c	5.00
Chemistry 103	10.00
Chemistry 103a	10.00
Chemistry 104	5.00
Chemistry 104a	5.00
Chemistry 105a (per hr.)	2.00
Chemistry 106	10.00
Chemistry 108	5.00
Chemistry 110	10.00
Chemistry 111 (per hr.[1])	2.00
Civil Eng. 13a	.50
Civil Eng. 13b	.50
Civil Eng. 27	.75
Civil Eng. 28	.75
Civil Eng. 31	.75
Civil Eng. 32	.75
Civil Eng. 33	.75
Civil Eng. 34	.75
Civil Eng. 51	1.00
Civil Eng. 53	.75
Civil Eng. 58	.50
Civil Eng. 60	.50
Civil Eng. 62	.75
Civil Eng. 76	.50
Civil Eng. 79	1.00
Civil Eng. 82	.75
Civil Eng. 83	.75
Civil Eng. 85	1.00
Civil Eng. 88	.75
Civil Eng. 91	.75
Civil Eng. 92	.75
Civil Eng. 93	.50
Civil Eng. 96	1.00
Elect. Eng. 16	3.00
Elect. Eng. 24	4.00
Elect. Eng. 27	4.00
Elect. Eng. 61	3.00
Elect. Eng. 62	3.00
Elect. Eng. 64	3.00
Elect. Eng. 68	3.00
Elect. Eng. 75	4.00
Elect. Eng. 76	4.00
Entom. 1a	1.00
Entom. 1b	1.00
Entom. 2	1.50
Entom. 3	1.50
Entom. 4a	1.50
Entom. 4b	1.50
Entom. 5	1.50
Entom. 6a	2.00
Entom. 6b	2.00
Entom. 7	1.50
Entom. 8a	1.50
Entom. 8b	1.50
Entom. 9	1.50
Entom. 10	1.00
Entom. 11	1.50
Entom. 13	$ 1.50
Entom. 14	1.50
Entom. 102	1.50
Entom. 103	1.50
Entom. 108	1.50
Entom. 109	1.50
G. E. D. 2	1.00
Geology 1	2.25
Geology 2	1.00
Geology 3	2.00
Geology 5	2.70
Geology 6	1.05
Geology 7	2.00
Geology 8	1.00
Geology 9	1.00
Geology 10	1.00
Geology 11	1.00
Geology 12	2.00
Geology 13a	2.25
Geology 13b	1.00
Geology 14	1.00
Geology 16	1.00
Geology 17	1.00
Geology 18	1.00
Geology 22	1.00
Geology 35	1.00
Geology 36	1.00
Geology 40	1.00
Household Science 1	3.00
Household Science 4	5.00
Household Science 5a	3.00
Household Science 5b	3.00
Household Science 6	3.00
Household Science 10	1.00
Household Science 14a	5.00
Household Science 14b	5.00
Household Science 17	2.00
Household Science 18a	5.00
Household Science 18b	5.00
Human Anat 1	5.00
Human Anat. 2	5.00
Mech. Eng. 23	1.00
Mech. Eng. 61	2.00
Mech. Eng. 62	3.00
Mech. Eng. 64	3.00
Mech. Eng. 65	3.00
Mech. Eng. 66	3.00
Mining 9	2.00
Mining 19	2.00
Mining 62	1.00
Mining 64	3.00
Mining 66	3.00
M. and S. E. 2	1.00
M. and S. E. 3	1.00
M. and S. E. 6a	1.00
Photography 1	4.00
Photography 2	4.00
Physics 3a	2.00
Physics 3b	2.00
Physics 4a	2.00
Physics 4b	2.00
Physics 8a	2.00
Physics 8b	2.00
Physics 10a	2.00
Physics 10b	2.00
Physics 15	2.00
Physics 16	2.00
Physics 17	2.00
Physics 18	2.00
Physics 22	2.00
Physics 23	2.00
Physics 24	2.00
Physics 25	2.00
Physics 31a	2.00
Physics 31b	2.00
Physics 32	2.00
Physiol. 1	3.50
Physiol. 2	3.50
Physiol. 3	3.50
Physiol. 4a	3.50
Physiol. 4b	3.50
Physiol. 5a	3.50
Physiol. 5b	3.50

[1] Maximum $10.00.

Physiol. 103	$ 3.50	Zoology 3	$ 3.00
Psychol. 3	2.00	Zoology 4	2.50
Psychol. 4	2.00	Zoology 6	3.00
Railway Eng. 63	3.00	Zoology 9	2.00
T. and A. M. 10	1.00	Zoology 11	3.00
T. and A. M. 15	1.00	Zoology 17	1.00
T. and A. M. 16	1.00	Zoology 18	1.00
T. and A. M. 25	2.00	Zoology 22	2.00
T. and A. M. 26	1.00	Zoology 23	2.00
T. and A. M. 29	2.00	Zoology 25	3.00
Zoology 1	2.50	Zoology 26	3.00
Zoology 2	3.50		

AVERAGE ANNUAL EXPENSES

The following are estimated average annual expenses for undergraduate students attending at Urbana, *exclusive* of books, clothing, railroad fare, laboratory fees, if any, and small miscellaneous needs:

Semester fees[1]	$ 24.00 to $ 24.00
Room rent for each student (two in room)	72.00 to 80.00
Table board in boarding houses and clubs	162.00 to 200.00
Washing	20.00 to 30.00
Total	$272.00 to $334.00
Board and room in private house, a week	$ 5.50 to $ 6.50

In addition to the foregoing, freshmen pay a matriculation fee of $10.00, and the men are required to buy a cadet uniform and equipment, which costs $20.95. Freshmen engineering students will need to buy a set of drawing instruments at a cost of about $18.00.

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 $375.00 to $500.00. Most students spend more than this amount.

For information in regard to scholarships which cover the matriculation and incidental fee, see page 104.

Board and Rooms

The University does not provide dormitories nor furnish board, but 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.

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

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 51; for *museums and collections* belonging to it (classical art and archeology, education, European culture, botany, entomology, geology, and zoology), see pages 60-62; for a summary of its *courses*, see page 63; for *clubs and societies* auxiliary to its curriculums see page 102; for *fees*, see page 110.

ORGANIZATION

The organization of the College of Liberal Arts and Sciences, in which are merged the former College of Literature and Arts and College of Science, became fully effective on July 1, 1913, following an action of the Board of Trustees taken on July 5, 1912. In September, 1916, a new schedule of requirements for admission to the College of Liberal Arts and Sciences went into full operation. Changes in the requirements for graduation with the degree of Bachelor of Arts have been worked out by the Faculty and approved by the Board of Trustees. These are described on pages 118-120.

PURPOSE

The purpose of the College of Liberal Arts and Sciences 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 household science. The degree of Bachelor of Arts is conferred upon 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 curricula given in detail in the following pages.

ADMISSION

See the statement of the entrance requirements of the University, pages 66-84.

SPECIAL STUDENTS

For a statement of the regulations of the University in regard to special students, see page 72.

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 Training 1-2 and 1a for men; Physical Training 7a-7b and 9 for women; Military Science 1 and 2 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 offered 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 offered for entrance three of 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: 8 hours.

V. Botany, including bacteriology, entomology, geology, physiology, zoology: 8 hours.

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 a 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, Germanic languages, Greek, history, household science, Latin, mathematics, philosophy, physiology, physics, political science, psychology, Romance languages, sociology, 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 one 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:

Agricultural Extension 1 (High School 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 11, 12a-12b (Dairy Bacteriology).
Horticulture 9 (Forestry), 12 (Horticultural Evolution), 36 (History of Landscape Gardening), 37a (Civic Design), 42 (Landscape Design).

The total credit allowed in agricultural courses may not exceed 14 hours except to students who do major work in entomology, who may be allowed 20 hours to be chosen from the above courses with the addition of Agronomy 7 and 25, and Horticulture 1a, 1b, 2, 3, 6 and 7.

College of Commerce and Business Administration:

Accountancy 1a-1b (Principles of Accounting), 13 (Municipal Accounting)
Business Organization 1 (Business Organization), 9 (Commercial and Civic Organizations).
Business Law 1a-1b (Commercial Law,—no credit given to students in the combined arts-law curriculum).
Economics, all courses except 9, 14, 15, 32, 34.
Transportation 1 (U. S. Transportation System), 2 (Transportation Policy).
The total credit allowed for courses in Commerce may not exceed 40 hours.

College of Engineering:

Architecture 13, 14, 15, 16 (History of Architecture), 31, 32 (Architectural Drawing); Civil Engineering 27 and 28 or 33 and 34 (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); Mechanics, Theoretical and Applied, all courses. The total credit allowed in engineering courses may not exceed 24 hours.

College of Law:

A student who has Senior standing in the College of Liberal Arts and Sciences may take and count the first full year of law work for thirty hours of credit toward the degree of Bachelor of Arts, or, if he takes and successfully carries less than the full amount, it shall be counted only hour for hour toward the degree of Bachelor of Arts.

Law 14 (Carriers), 24 (Municipal Corporations), 28 (Insurance), and 34 (Public Utilities), are open to students majoring in political science or economics who have had a previous course in law or political science involving the study of cases.

Courses in law may not be taken before the senior year by students enrolled in this College, and in no case may the total credit for law courses exceed 30 hours.

Library School:

Library Science 2a-2b or 12 (Reference), 7 (History of Libraries), 9 (Bookmaking) 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 Training:

Not to exceed 5 semester hours for men and 7 semester hours for women.

Military Science and Tactics: Military Science 1 and 2.

G. *Bachelor's Thesis:* 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. The presentation of a thesis is specifically required of all candidates for the honor degree.

H. *Optional Degree of Bachelor of Science:* Students who do major work in one of the subjects in Groups IV or V, or in Household Science, on petition to and recommendation of the faculty may be graduated with the degree of Bachelor of Science instead of Bachelor of Arts.

ARRANGEMENT OF COURSES

First Year

Subjects Prescribed for Freshmen

The following subjects must be taken during the freshman year: *Rhetoric* 1-2,[1] three hours each semester; *Military* 2, one hour each semester, and *Military* 1, one hour second semester (for men); *Physical Training* (Physical Training 1-2 and 1a for men; 7a-7b and 9 for women). Students who enter for the General Science Curriculum should take *Chemistry* 1, unless chemistry has been accepted for admission.

Freshman Electives

The following subjects are open to freshmen. The total amount including military and physical training taken in any semester is limited to eighteen hours and should not be less than fifteen.

First Semester

I. English 10[2] (3);[3] Rhetoric 1 (3).

II. French 1a (4) or 1b (4) or 2a (4); German 1 (4) or 2 (4) or 4 (4) or 5 (4);

[1] See special examination in Rhetoric 1, page 72.

[2] English 10-11 is open only to freshmen who have presented the minimum amount of English required for admission. See the description of this course, page 310.

[3] The figure immediately following the subject is the number of the course (see page 247), the figure in parenthesis indicates the number of credit hours to be secured in the course each semester.

Greek 1a (4) or 7 (3); Latin 6 (4), 1a (4) or 2a (4); Spanish 1a (4) or 2a (3) or 3a (2); Italian 1a (3).

III. Mathematics 2 (3) and 4 (2).

IV. Economics 7 (3) and 26 (3); History 1a (4) or 2a (3).

V. Botany 1[1] (5), 4d (3); Chemistry 1[2] (5) or 1a[2] (3); Entomology 1a (2); 4 (3), 15 (3); Geology 1[2] (5), 3 (5), 14 (3), 35[2] (5); Physics 7a[3] and 8a[3] (5); Zoology 1[2] (5).

Household Science 2 (2) or 7a (2).

Library Science 12 (2).

Art and Design 1 (3).

SECOND SEMESTER

I. English 11[4] (3)[5]; Rhetoric 1 (3) or 2 (3).

II. French 1a (4) or 1b (4) or 2b (4); German 1 (4) or 3 (4) or 4 (4) or 5 (4) or 6 (4) or 7 (4); Greek 1b (4), 4 (4), or 6 (3); Latin 1b (4), or 2b (4); Spanish 1a (4) or 1b (4) or 2b (3) or 3b (2); Italian 1b (3).

III. Mathematics 2 (3), 4 (2) 6 (5).

IV. Economics 22 (3) and 27 (3); History 1b (4) or 2b (3).

V. Astronomy 4 (5); Botany 1[1] (5), 2b (5), 3b (5), 4 (3), 4a (5), 4b (5), 4c (5); Chemistry 1[2] (5) or 1a[2] (3) or 2a (5); Entomology 1b (2), 4 (3), 16 (2) Geology 3[2] (5), 12 (5), 23 (5), 35[2] (5); Physics 7b[3] and 8b[3] (5); Physiology 4 (5); Zoology 2 (5), 1[2] (5), or 16 (2).

Household Science 1 (3).[6]

Art and Design 1 (3), 2 (2).

Second Year

Male students must continue Military 2 throughout the year. Students who have failed to secure credit for any of the prescribed subjects of the freshman year must make up such deficiencies at this time.

Election

Aside from the subjects prescribed for the first two years, each student selects with the advice of the Dean or other college advisers, such courses as will enable him to meet the requirements for graduation as stated above.

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.

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[1] Either semester.
[2] May be taken either semester, but not in both.
[3] Prerequisite: Mathematics 4 (Trigonometry) which may be taken at the same time.
[4] English 10-11 is open to freshmen who have presented the minimum amount of English required for admission. See the description of this course, page 310.
[5] The figure immediately following the subject is the number of the course (see page 247), the figure in parenthesis indicates the number of credit hours to be secured in the course each semester.
[6] Prerequisite: Entrance credit in Physics, and Chemistry 1 or 1a.

Curriculum in Journalism[1]

(*Major in English*)

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
Prescribed Subjects	Hours[2]	*Prescribed Subjects*	Hours[2]
Rhet. 1—Rhetoric and Themes	3	Rhet. 2—Rhetoric and Themes	3
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Phys Tr. 2—Gymnasium	1
Military 2a—Military Drill	1	Mil. 1—Drill Regulations	1
		Mil. 2b—Military Drill	1
Total	5	Total	6
Suggested Electives		*Suggested Electives*	
Eng. 10—Introduction to Literature—or science	3 or 5	Eng. 11—Introduction to Literature—or science	3
Foreign language	4	Foreign language	4
Hist. 1a—Continental European History	4	Hist. 1b—Continental European History	4
Lib. 12—General Reference	2		

SECOND YEAR

Prescribed Subjects		*Prescribed Subjects*	
Mil. 2c—Military Drill	1	Mil. 2d—Military Drill	1
Suggested Electives		*Suggested Electives*	
Eng. 1—Survey of English Literature—or science	3 or 4 or 5	Eng. 1—Survey of English Literature—or Pol. Sc. 3—State and Local Government or Econ. 3—Money and Banking	3
Eng. 12—American Literature	2	Eng. 23—Shakespeare, or English 13, American Literature	3 or 2
Foreign language continued	4	Foreign language continued	4
Hist 3a—History of United States	3	Hist. 3b—History of United States	3
Pol. Sc. 1—American National Government or Econ. 1—Principles of Economics	5	Rhet. 13—The Newspaper	3
Rhet. 12—News Writing	3		

THIRD AND FOURTH YEARS

Study lists for these years should be selected from the following list with regard to proper sequence.

Econ. 5, or 10, or 12a—Public Finance, or Corporation Management, or Labor Problems	3	Bus. Org. and Op. 10—Organization and Operation of Newspaper Publishing	2
English 27 and 21, or 33 or 45—History of Journalism; The Bible; or Literature from 1789 to 1837; or Modern Drama	2 or 3	Econ. 11, or 13, or 21—Industrial Consolidation, or Econ. Hist. of Europe, or Socialism and Social Reform	3 or 2
History 21—U. S. since 1877, or 26—The Latin American Colonies	3	English, 28 and 24 or 3 or 5—Hist. of Journalism, Victorian Period, Milton, Shakespeare	2 or 3
Language	4	History 17, 27, 29—Hist. of Illinois, Latin America, The Far East	3 or 2
Philosophy 1—Logic, and Phil. 9—Political Ethics, or Pol. Sci. 5—Const. Law	3 or 2 or 4	Language	4
Pol. Sci. 14—Political Parties, or Pol. Sci. 4—Municipal Gov't	3	Philosophy 2—Introd. to Phil	3
Psychology 1—Introd. to Psychology	3	Pol. Sci. 18, or 28—Contemporary Politics	3 or 2
Rhet. 6, 15, 26, 28—Short Story, Editorials and Special Articles, Editorial Practise, Newspaper Problems	3	Psychology 1—Introd. to Psychology	3
Sociology 1—Principles of Sociology	3	Rhet. 16, 17, 27, 29—Editorials and Special Articles, Advanced Composition, Editorial Practise, Making a Country Newspaper	2 or 3
		Sociology 9—Criminology	3

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.

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[1] For new additional courses in journalism see the description of courses beginning on page 247 under English (Rhetoric).

[2] Semester hours. For definition, see page 247.

Suggested two years Curriculum Preparatory to Law

FIRST YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Foreign language	4	Foreign language	4
Hist. 2a—English History	3	Hist. 2b—English History	3
Mathematics or science	5	Math. 2—Trigonometry	3
Rhet. 1—Rhetoric and Themes	3	Rhet. 1—Rhetoric and Themes	3
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Phys. Tr. 2—Gymnasium	1
Mil. 2a—Military Drill	1	Mil. 1—Drill Regulations	1
		Mil. 2b—Military Drill	1
Total	17	Total	16

SECOND YEAR

Econ. 1—Principles of Economics	5	Econ. 3—Money and Banking	3
Hist. 3a—History of the U. S.	3	Eng. 20—Chief English Writers	4
Mathematics or science or foreign languages	5 or 4	Hist. 3b—History of the U. S.	3
		Philos. 1—Logic	3
Pol. Sci. 1—American Government	3	Pol. Sci. 3—State and Local Government	3
Mil. 2c—Military Drill	1	Mil. 2d—Military Drill	1
Total	17 or 16	Total	17

The courses in military and physical training, Rhetoric 1-2, and eight hours in foreign language are required of freshmen in the College of Liberal Arts and Sciences. Latin is strongly urged for all students intending to study law; but those who have not had the necessary preparation for college courses in Latin should substitute a modern language, preferably French or German.

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. A student who has senior standing in the College of Liberal Arts and Sciences and who has earned at least 30 hours in this college may take and count the first full year of law work for thirty hours of credit toward the degree of Bachelor of Arts, or, if he takes and successfully carries less than the full amount it shall be counted only hour for hour toward the degree of Bachelor of Arts. *Students are not permitted to take this work in law until their senior year.* If the student is also a candidate for the degree of LL.B., or J.D., he should in his fourth year register in the College of Law, pay the usual fee of that College, and file a copy of his study-list with the adviser for seniors in this College.

The degree of Bachelor of Arts is conferred at the close of the fourth year of the combined course provided that all the requirements for the degree are met at that time.

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.

HOUSEHOLD SCIENCE

The courses of instruction given in this department are planned to meet the needs of four classes of students: (a) those students who desire a knowledge of the general principles and facts of household science; (b) those students who wish to make a speciality of household science for the purpose of teaching the subject in secondary schools and colleges; (c) those students who wish some knowledge of the principles underlying household administration and institutional management; (d) those students who are interested in the work of dietitians.

The suggested curriculums for teachers and for institutional workers are outlined below. The first three years of the curriculum as outlined for teachers give a scientific basis for the work of the dietitian.

[1]Semester hours. For definition, see page 247.

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

Students who major in household science in the College of Liberal Arts and Sciences must also satisfy the other requirements for the degree of Bachelor of Arts in so far as these are not covered in the curriculums given below.

Suggested Curriculum for Teachers of Household Science

FIRST YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Chem. 1—Inorganic Chemistry or	5	Chem. 2a—Inorg. Chem. and Qual. Anal.	5
Chem. 1a[2]—Inorganic Chemistry	3	Foreign language	4
Foreign language	4	H. Sci. 1[3]—Principles of the Selection and Preparation of Food	3
H. Sci. 2—Home Arch. and Sanitation	2	Rhet. 2—Rhetoric and Themes	3
Rhet. 1—Rhetoric and Themes	3	Phys. Tr. 7—Physical Training	1
Phys. Tr. 7—Physical Training	1		
Phys. Tr. 9—Hygiene	1		
Total	14 or 16	Total	16

SECOND YEAR

A. & D. 1—Free Hand Drawing	3	A. & D. 12—Applied Design	2
Chem. 13a—Agricultural Analysis	5	Bot. 1—General Botany or Zool. 1—General Zoology	5
Eng. 1—Survey of English Literature	4	Chem. 9—Organic Chemistry	3
H. Sci. 6—Economic Uses of Food	3	Chem. 9c—Organic Synthesis	2
Lib. Sci. 12—General Reference	2	Eng. 2—Survey of English Literature	4
		H. Sci. 7—Textiles	2
Total	17	Total	18

THIRD YEAR

Hist. 1a—Continental European Hist. or Hist. 3a—History of the U. S.	4 or 3	Bact. 5—Bacteriology	5
H. Sci. 19—Dress Design	3	Hist. 1b—Continental European Hist. or Hist. 3b—History of the U. S.	4 or 3
Physiol. 4—General Physiology	5	H. Sci. 3—Home Decoration	2
		H. Sci. 5—Dietetics	3
		H. Sci. 12—Clothing	3
Total	12 or 11	Total	17 or 16
Electives		*Electives*	
Philos. 1—Logic	3	Econ. 2—Principles of Economics	3
Psychol. 1—Introduction to Psychology	3	H. Sci. 14—Problems in the Preparation and Service of Food	3
		Philos. 2—Introduction to Philosophy	3
		Psychol. 2—General Psychology	3

FOURTH YEAR

Educ. 1—Introduction to Education	4	Educ. 10—Technique of Teaching	3
H. Sci. 4—Food and Nutrition	5	H. Sci. 11—Teachers' Course	3
H. Sci. 13—Hist. of Home Economics	2		
Total	11	Total	6
Electives		*Electives*	
Educ. 16—Social Education	3	English, advanced	
English, advanced		H. Sci. 10—Home Management	2
H. Sci. 18—Lunch Room Management	5	H. Sci. 17—Problems in Textiles	3
Public Speaking 1—Oral Expression	2	Public Speaking 2—Oral Expression	2
Sociol. 1—Principles of Sociology	3	Sociol. 7—Social Problems of the Rural Community	2

[1] Semester hours. For definition see page 247.
[2] If Chemistry 1a is taken, a 2-hour elective must be added, with the approval of the adviser.
[3] Attention is called to the fact that high school physics is a prerequisite for Household Science 1.

Suggested Curriculum in Household Administration

FIRST YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Chem. 1—Inorganic Chemistry or	5	Chem. 2a—Inorg. Chem. and Qual. Anal.	5
Chem. 1a[2]—Inorganic Chemistry	3	Foreign language	4
Foreign Language	4	H. Sci. 1[3]—Principles of the Selection and Preparation of Food	3
H. Sci. 2—Home Arch. and Sanitation	2	Rhet. 2—Rhetoric and Themes	3
Rhet. 1—Rhetoric and Themes	3	Phys. Tr. 7—Physical Training	1
Phys. Tr. 7—Physical Training	1		
Phys. Tr. 9—Hygiene	1		
Total	19	Total	16

SECOND YEAR

A. & D. 1—Free Hand Drawing	3	A. & D. 12—Applied Design	2
Foreign language or English 1	4	Bot. 1—General Botany or Zool. 1—General Zoology	5
H. Sci. 6—Economic Uses of Food	3	Foreign language or English 2	4
H. Sci. 7—Textiles	2		
Total	12	Total	11
Electives		*Electives*	
A. & D. 19—History of the Fine Arts	2	A. & D. 20—History of the Fine Arts	2
Chem. 13a[4]—Agricultural Analysis or Econ. 26[4]—Economic Resources	5 or 3	Chem. 9[4]—Organic Chemistry and	3
Hist. 1a—Continental European Hist. or Hist. 3a—History of the U. S.	4 or 3	Chem. 9c—Organic Synthesis or Econ. 22[4]—Econ. Hist. of U. S.	2 or 3
Lib. Sci. 12—General Reference	2	Hist. 1b—Continental European Hist. or Hist. 3b—History of the U. S.	4 or 3

THIRD YEAR

Econ. 1—Principles of Economics	5	H. Sci. 3—Home Decoration	2
H. Sci. 19—Dress Design	3	H. Sci. 5—Dietetics	3
Physiol. 4—General Physiology	5	H. Sci. 12—Clothing	3
Total	13	Total	8
Electives		*Electives*	
English		Bact. 5—Introduction to Bacteriology	5
H. Sci. 14—Problems in the Preparation and Service of Food	3	H. Sci. 10—Home Management	2
Psychol. 1—Introduction to Psychology	3	Philos. 2—Introduction to Philosophy	3
Sociol. 1—Principles of Sociology	3	Pol. Sci. 3—State and Local Government	3
		Pol. Sci. 16—Government of Illinois	2
		Psychol. 2—General Psychology or Educ. 1—Introd. to Education	3 or 4

FOURTH YEAR

Electives		*Electives*	
Educ. 1—Introduction to Education	4	Educ. 10—Observation and Technic	3
English, advanced		English, advanced	
H. Sci. 4—Food and Nutrition	5	H. Sci. 9—Seminar	3
H. Sci. 13—History of Home Economics	2	H. Sci. 11—Teachers' Course	3
H. Sci. 15—Economics of the Family Group	3	H. Sci. 17—Problems in the Study of textiles	3
H. Sci. 18—Lunch Room Management	5		

SIX-YEAR AND SEVEN-YEAR MEDICAL CURRICULUMS

The requirement for admission to the four-year medical curriculum (whether the first year of the curriculum is taken at Urbana or in the College of Medicine in Chicago) is as follows: 60 semester hours of college work, including 8 in chemistry, 8 in physics, 8 in biology, 6 in French or German, and 30 elective.

The University offers a six-year and a seven-year combined arts-medicine curriculum. The six-year curriculum includes three years given at Urbana and three years in the College of Medicine in Chicago. The third of the three years given at Urbana is technically described as a one-year medical college curriculum. The seven-year curriculum includes four years of collegiate work at Urbana and three years in the College of Medicine in Chicago. One of the four years at Urbana is devoted to the work of the one-year medical college curriculum. The work given

[1] Semester hours. For definition see page 247.
[2] If Chemistry 1a is taken, a 2-hour elective must be added, with the approval of the adviser.
[3] Attention is called to the fact that high school physics is a prerequisite for Household Science 1.
[4] Choice depends on whether the student wishes to emphasize the sciences or economics as a minor.

at Urbana includes substantially in both curriculums the work of the first year or a standard curriculum in medicine, together with two years or three years in liberal arts and sciences. Students who have completed the work of the first two years and are taking the work of the third year are registered in both the one-year medical college curriculum and the College of Liberal Arts and Sciences.

A student who has completed the curriculum outlined below, covering two years of premedical work and the one-year medical college curriculum at Urbana, may receive credit by transfer for one year of work in the College of Medicine of the University of Illinois or other standard colleges of medicine, and upon the completion of the second year's work in such college of medicine may receive the degree of Bachelor of Science on the recommendation of the faculty of the College of Liberal Arts and Sciences in the University of Illinois. Under this plan the student may receive the degrees of Bachelor of Science and Doctor of Medicine with six years of work.

Students who wish to take the fourth year in the College of Liberal Arts and Sciences, including the one-year medical college curriculum, are not held to the group requirements prescribed for students taking the regular degree of Bachelor of Arts. The curriculum must be made up with the approval of the adviser for seniors and the Dean of the College. It is recommended that selection be made from the following courses: Bacteriology; Chemistry 5b, 5c, 9a, 9b, 14a-14b, 21, 22, 31, 105 and 106; Entomology 2, 3; Physiology 5; Zoology 4, 5, 8a-8b, 21a-21b, 22, 23, 25-26; modern languages; and studies included in Groups IV and V of the general curriculum, page 118. On the completion of this fourth year, the student takes the degree of Bachelor of Arts before going to the College of Medicine.

FIRST YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Chem. 1—General Chemistry	5	Chem. 2a—Inorganic Chemistry	5
Math. 4—Trigonometry	2	Rhet. 2—Rhetoric and Themes	3
Rhet. 1—Rhetoric and Themes	3	Zool. 2—Vertebrate Zoology	5
Zool. 1—General Zoology	5	Phys. Tr. 2—Gymnasium	1
Mil. 2a—Military	1	Mil. 1—Drill Regulations	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 2b—Military Drill	1
Total	17	Total	16

SECOND YEAR

Chem. 5a—Quantitative Analysis	5	Chem. 9, 9c—Organic Chemistry	5
Ger. 1 or 4, or Latin	4	Ger. 3 or 5 or 6, or Latin	4
Phys. 7a—General Physics	2½	Phys. 7b—General Physics	2½
Phys. 8a—Laboratory	2½	Phys. 8b—Laboratory	2½
Zool. 3—Microscopical Technics	3	Zool. 6—Vertebrate Organogeny	3
Mil. 2c—Military Drill	1	Mil. 2d—Military Drill	1
Total	18	Total	18

THIRD YEAR

(One-Year Medical College Curriculum)

FIRST SEMESTER	Hours	SECOND SEMESTER	Hours
Bact. 1—Introduction	3	Bact. 26—Pathological Bacteriology	3
Chem. 15—Physiological Chemistry	5	Chem. 15a—Metabolism	2
Human Anat. 1—Introduction	3	Human Anat. 2—Introduction	3
Physiol. 1—Histology	3	Physiol. 2—Experimental Physiology	5
Physiol. 4—General Physiology	5	Physiol. 8—Histology	5
Total	19	Total	18

CURRICULUM IN CHEMISTRY

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.

[1]Semester hours. For definition see page 247.

For the more specialized training of the chemist the following curriculum, largely prescribed, has been arranged. It requires a maximum total of 136 hours, and leads to the degree of Bachelor of Science in chemistry.

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 requirement for graduation in the curriculum in chemistry, including courses offered for entrance, must be equivalent to two years of university German and one year of university French.

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 upon 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 aud senior years. Approval of such an outline must 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, except B, 10 hours of the electives must be taken outside of the department and must include a course in economics.

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

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

Curriculum in Chemistry

FIRST YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Chem. 1 or 1a—Inorganic Chemistry	5 or 3	Chem. 3a—Inorganic Chemistry and Qualitative Analysis	6
German or French	4	German or French	4
Math. 2—College Algebra	3	Math. 6—Analytical Geometry	5
Math. 4—Plane Trigonometry	2	Phys. Tr. 2—Gymnasium	1
Rhet. 1—Rhetoric and Themes	3	Mil. 1—Drill Regulations	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 2b—Military Drill	1
Mil. 2a—Military Drill	1		
Total	19 or 17	Total	18

SECOND YEAR

Chem. 5a—Quantitative Analysis	5	Chem. 5b—Advanced Analytical Chemistry	5
French or German	4	French or German	4
Phys. 1a—General Physics	3	History 2 or 3 or English 20	3
Phys. 3a—Physical Measurements	2	Phys. 1b—General Physics	2
Rhet. 2—Rhetoric and Themes	3	Phys. 3b—Physical Measurements	2
Mil. 2c—Military Drill	1	Mil. 2d—Military Drill	1
otal	18	Total	17

[1]Semester hours. For definition see page 247.

THIRD YEAR

Prescribed for all Groups

Chem. 9a—Organic Synthesis and Ultimate Analysis..... 2
Chem. 14a—Organic Chemistry..... 4
Chem. 92a—Journal Meeting..... 1
Math. 8—Differential and Integral Calculus.. 5

Total.....12

Group Options

A.—General
Electives..... 5
[1]B.—Electrochemical
Economics 1; or Economics 2 with 3 additional hours other than chemistry. 5
C.—Industrial
Chem. 65—Technical Gas and Fuel Analysis..... 2
E. E. 8—Electric Currents and Apparatus..... 3
E. E. 68—Electrical Engineering Laboratory..... 1
D. and E.—Food and Physiological
Bact. 5—Introductory Bacteriology..... 5

Prescribed for all Groups

Chem. 9b—Organic Synthesis and Qualitative Analysis..... 2
Chem. 14b—Principles of Organic Chemistry. 2
Chem. 31—Principles of Physical Chemistry.. 4
Chem. 33—Physical Chemistry Laboratory... 2
Chem. 92b—Journal Meeting..... 1
Chem. 90—Inspection Trip..... 0

Total.....11

Group Options

A.—General
Electives..... 5
B.—Electrochemical
E. E. 8—Electric Currents and Apparatus..... 3
E. E. 68—Electrical Engineering Laboratory.....1-7
Math. 9..... 3
C.—Industrial
Elective..... 6
D. and E.—Food and Physiological
Chem. 15—Physiological Chemistry..... 5
Elective.....2-7

FOURTH YEAR

Prescribed for all Groups

Chem 11a—Research..... 3
Chem. 93a—Journal Meeting..... 1
Chem. 95—History of Chemistry..... 2

Total..... 6

Group Options

A.—General
Electives.....11
B.—Electrochemical
Chem. 35—Electrochemistry..... 3
Chem. 37—Experimental Problems in Physical and Electrochemistry..... 4
Electives.....2-11
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.....3-11
D.—Food and Sanitation
Chem. 5c—Food Analysis..... 5
Chem. 21—Qual. Organic Analysis..... 2
Electives.....3-10
E.—Physiological
Chem. 15a..... 5
Electives.....5-10

Prescribed for all Groups

Chem. 6—Chemical Technology..... 3
Chem. 11b—Research..... 7
Chem. 93b—Journal Meeting..... 1
Chem. 91—Inspection Trip..... 0

Total.....11

Group Options

A.—General
Electives..... 5
B.—Electrochemical
Electives.....2-5
Philos. 1—Logic..... 3
C.—Industrial
Chem. 61—Industrial Laboratory..... 3
Electives.....3-6
D. and E.—Food and Physiological
Electives..... 5

Curriculum in Chemical Engineering

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.

Preliminary preparation in German equivalent to two years of high school or one year of university work is *prescribed.* It is also advised that students intending to take this curriculum be prepared to offer mechanical drawing for entrance or arrange to take General Engineering Drawing 1 or S1.

[1]Students electing Option B must register in Mathematics 7.

FIRST YEAR

FIRST SEMESTER	Hours[1]
Chem. 1a or 1—Inorganic Chemistry	3 or 5
Ger. 4—Prose Reading	4
Math. 2—College Algebra	3
Math. 4—Plane Trigonometry	2
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1
Mil. 2a—Military Drill	1
Total	14 or 16

SECOND SEMESTER	Hours[1]
Chem. 3a—Inorganic Chemistry and Qualitative Analysis	6
Ger. 6—Scientific German	4
Math. 6—Analytical Geometry	5
Phys. Tr. 2—Gymnasium	1
Mil. 2b—Military Drill	1
Mil. 1—Drill Regulations	1
Total	18

SECOND YEAR

Chem. 5a—Quantitative Analysis	5
Math. 8—Differential and Integral Calculus	5
Phys. 1a—General Physics	3
Phys. 3a—Physical Measurements	2
Rhet. 1—Rhetoric and Themes	3
Mil. 2c—Military Drill	1
Total	19

Chem. 5b—Advanced Analytical Chemistry	5
Phys. 1b—General Physics	2
Phys. 2b—Physical Measurements	2
Rhet. 2—Rhetoric and Themes	3
T. and A. M. 20—Analytical Mechanics	3
Mil. 2d—Military Drill	1
Total	16

THIRD YEAR

Chem. 9a—Organic Synthesis and Ultimate Analysis	2
Chem. 14a—Organic Chemistry	4
Chem. 92a—Journal Meeting	1
T. and A. M. 21—Analytical Mechanics	2
T. and A. M. 25—Resistance of Materials	4
E. E. 8—Electric Currents and Apparatus	3
E. E. 68—Electrical Engineering Laboratory	1
Total	17

Chem. 9b—Organic Synthesis and Qualitative Organic Analysis	2
Chem. 14b—Organic Chemistry	2
Chem. 31—Physical Chemistry	4
Chem. 33—Physical Chemistry Laboratory	2
Chem. 92b—Journal Meeting	1
M. E. 75—Forge Work	1
M. E. 77—Foundry Work	2
Inspection Trip	0
Electives outside of the department	3
Total	17

FOURTH YEAR

Chem. 7—General Metallurgy and Iron and Steel	3
Chem. 11a—Research	3
Chem. 35—Electrochemistry	3
Chem. 65—Technical Gas and Fuel Analysis	2
Chem. 69—Assaying	2
Chem. 93a—Journal Meeting	1
M. E. 1—Steam and Air Machinery	3
Total	17

Chem. 6—Chemical Technology	3
Chem. 11b—Research	6
Chem. 61—Industrial Chemical Laboratory	3
Chem. 93b—Journal Meeting	1
M. E. 64—Mechanical Engineering Laboratory	3
Inspection trip	
Total	16

[1]Semester hours. For definition, see page 247.

THE COLLEGE OF COMMERCE AND BUSINESS ADMINISTRATION

For a description of the *building* used by this College, see page 52, for *museum and collections* belonging to it, see page 62; for *societies and clubs* auxiliary to its curriculums, see page 102; for *fees*, see page 110.

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 66-84.

SPECIAL STUDENTS

See the statement of the general regulations of the University in regard to special students, page 72.

REQUIREMENTS FOR GRADUATION

I. The New Requirements—Degree of Bachelor of Science

Students who entered the College of Commerce and Business Administration with the class of 1919 and subsequent classes will be given the degree of Bachelor of Science.

The requirements for this degree are as follows:

1. A candidate must comply with the University requirements as to residence and registration and secure credit amounting to 130 hours including the general University requirements of *Rhetoric 1 and 2, 6 hours; and Physical Training, 1, 1a, and 2, 2 hours*, for men, and *7a-7b and 9, 3 hours*, for women; and *Military Science 1, 2a-2b, and 2c-2d, 5 hours*, for men.

2. A candidate must secure credit in the subjects listed as *prescribed* in his chosen curriculum.

3. Of the electives allowed, 8 hours must be in either English literature or foreign language in all curriculums except the Curriculum in Foreign Commerce and the Curriculum for Commercial Teachers, in which foreign language is prescribed.

4. In the General Business Curriculum, the Curriculum in Banking, the Curriculum in Insurance, the Curriculum in Accountancy, the Curriculum in Railway Administration, and the Curriculum for Commercial and Civic Secretaries, 12 hours must be elected in 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 the requirement.

5. In all curriculums in which less than 10 hours of mathematics is prescribed in the first year, 10 hours must be elected in the following group of subjects: chemistry, geology, mathematics, and physics, provided that not less than 5 hours in any one subject may be counted in fulfilling the requirement.

Students are advised to take the subjects required in paragraphs 3, 4, and 5 as early as possible in their course in order to leave more opportunity for free electives in the last years. In choosing free electives students must secure the advice and approval of the Dean of the College or of the official adviser for the curriculums they are pursuing.

II. The Old Requirements—Degree of Bachelor of Arts

The graduation requirements for former students in the Courses in Business Administration enrolled in the College of Commerce and Business Administration will remain as they have been in the past and such students will be given the degree of Bachelor of Arts.

The requirements are as follows:

1. Credit amounting to 130 hours, including the prescribed rhetoric, physical training, and military.

2. At least 8 hours in each of the following groups of subjects:
   - I. English language and literature, including rhetoric.
   - II. Latin, Greek, French, German, Italian, Spanish.
   - III. History, economics, sociology, political science.
   - IV. Mathematics, education, philosophy, psychology.
   - V. Astronomy, botany, chemistry, entomology, geology, physiology, physics, zoology.

3. Credit in the following subjects:
   - I. Six hours of freshman economics (Economics 7, 22, 26, and 27). In case of students transferring from other colleges with advanced standing this requirement may be modified to suit individual needs.
   - II. Principles of Economics (Economics 1).
   - III. Business Writing (Rhetoric 10), Senior Conference on Written Work (Rhetoric 25-26).
   - IV. Principles of Accounting (Accountancy 1a-1b).
   - V. Commercial Law (Business Law 1a-1b).

4. A Major of 24 hours in economics, but not more than six hours of freshman economics (Economics 7, 22, 26, and 27) may be counted towards the major. Courses in accountancy and business law may not be counted towards the major.

NOTE.—The outlines of the curriculums on the following pages must be used in connection with the foregoing statement of requirements and attention must be given to the additional subjects prescribed in the third and fourth years under the old requirements for graduation.

THE CURRICULUMS

The curriculums offered in the College and outlined in the following pages furnish training for (1) general buisness, (2) commercial and civic secretaries, (3) banking, (4) insurance, (5) accountancy, (6) general railway administration, (7) railway transportation, (8) commercial teachers, (9) foreign commerce, (10) industrial administration, (11) commerce and law.

Some of the curriculums are now in process of transition owing to the recent reorganization of the work in commerce and business administration and the adoption of new requirements for graduation.

The curriculums in commerce and business administration are now in process of transition as a result of the reorganization of the former *Courses in Business Administration* as the *College of Commerce and Business Administration.* The outlines which follow show the complete curriculums under the new requirements for graduation and the third and fourth years under the old requirements for graduation.

The subjects listed in each curriculum under the new requirements are prescribed for graduation. 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 3, 4, and 5 of the new 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.

Curriculum in General Business

Under the New Requirements for Graduation

FIRST YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Acc'y 1a—Principles of Accounting	3	Acc'y. 1b—Principles of Accounting	3
Econ. 26—Economic Resources	3	Econ. 22—Economic History of the United States	3
Rhet. 1—Rhetoric and Themes	3	Rhet. 2—Rhetoric and Themes	3
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Phys. Tr. 2—Gymnasium	1
Mil. 2a—Military Drill	1	Mil. 1—Drill Regulations	1
Electives	4–7	Mil. 2b—Military Drill	1
		Electives	3–6
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
Rhet. 10—Business Writing	2	Mil. 2d—Military Drill	1
Mil. 2c—Military Drill	1	Electives	8–11
Electives	4–7		
Total	15–18	Total	15–18

THIRD YEAR

Bus. Org. & Op. 1—Business Organization and Operation	3	Bus. Law 1b—Commercial Law	3
Bus. Law 1a—Commercial Law	3	Bus. Org. & Op. 2—Organization and Control of Mercantile Distribution	2
Econ. 28—Domestic Commerce	3	Econ. 10—Corporation Management and Finance	3
Trans. 1—Transportation System of the United States	3	Rhet. 22—Summarizing and Briefing	2
Electives	3–6	Trans. 12—Freight Shipment	2
		Electives	3–6
Total	15–18	Total	15–18

[1]Semester hours. For definition, see page 247.

FOURTH YEAR

Bus. Org. & Op. 7—Salesmanship	2	Bus. Org. & Op. 8—Advertising	2
Econ. 5—Public Finance	3	Econ. 31—Organization of Foreign Commerce	3
Rhet. 25—Conference on Written Work	1	Rhet. 26—Conference on Written Work	1
Electives	9–12	Electives	9–12
Total	15–18	Total	15–18

Under the Old Requirements for Graduation

THIRD YEAR FOR THE CLASS OF 1918

Prescribed Subjects		*Prescribed Subjects*	
Acc'y 1a—Principles of Accounting	3	Acc'y 1b—Principles of Accounting	3
Bus. Org. & Op. 1—Business Organization and Operation	3	Econ. 10—Corporation Management	3
Econ. 28—Domestic Commerce	3	Econ. 31—Organization of Foreign Commerce	3
		Trans. 12—Freight Shipment	2
Total	9	Total	11
Suggested Electives		*Suggested Electives*	
Econ. 5—Public Finance	3	Econ. 11—Industrial Consolidations	3
History		History	
Psych. 1—Psychology	3	Psych. 2—Psychology	3
Rhet. 22—Summarizing and Abstracting	2	Trans. 2—Transportation Policy	3
Trans. 1—Transportation System	3		

FOURTH YEAR FOR THE CLASS OF 1917

Prescribed Subjects		*Prescribed Subjects*	
Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Rhet. 25—Conference on Written Work	1	Rhet. 26—Conference on Written Work	1
Total	4	Total	4
Suggested Electives		*Suggested Electives*	
Acc'y 2a—Advanced Accounting and Auditing	3	Acc'y 2b—Advanced Accounting and Auditing	3
Bus. Org. and Op. 7—Salesmanship	2	Bus. Org. and Op. 4—Industrial Organization and Management	2
Econ. 4—Financial History of U. S.	3	Bus. Org. and Op. 8—Advertising	2
Econ. 12a—Labor Problems	3	Econ. 12b—Labor Problems	3
Phil. 9—Political Ethics	2		

Curriculum for Commercial and Civic Secretaries

Under the New Requirements for Graduation

The first and second years of this curriculum are the same as in the General Business Curriculum except that Political Science 1—American Government (3)—is prescribed in the first semester of the second year, while Rhetoric 10—Business Writing (2)—is transferred to the second semester.

THIRD YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Bus. Org. and Op. 1—Business Organization and Operation	3	Bus. Org. and Op. 2—Organization and Control of Mercantile Distribution	2
Econ. 28—Domestic Commerce	3	Econ. 10—Corporation Management and Finance	3
Pol. Sci. 4—Municipal Government	3	Rhet. 22—Summarizing and Briefing	2
Sociol. 8—Charities	3	Trans. 12—Freight Shipment	2
Electives	3–6	Electives	6–9
Total	15–18	Total	15–18

FOURTH YEAR

Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Econ. 5—Public Finance	3	Bus. Org. and Op. 8—Advertising	2
Econ. 51—Public Utilities	3	Bus. Org. and Op. 9—Commercial and Civic Organizations	1
Rhet. 25—Conference on Written Work	1	Hort. 10b—Town Improvement	2
Electives	5–8	Rhet. 26—Conference on Written Work	1
		Electives	6–9
Total	15–18	Total	15–18

[1]Semester hours. For definition, see page 247.

Under the Old Requirements for Graduation

THIRD YEAR FOR THE CLASS OF 1918

Prescribed Subjects		*Prescribed Subjects*	
Acc'y 1a—Principles of Accounting	3	Acc'y 1b—Principles of Accounting	3
Econ. 28—Domestic Commerce	3	Bus. Org. and Op. 2—Organization and Control of Mercantile Distribution	2
Pol. Sci. 13—State Administration	3	Econ. 31—Organization of Foreign Commerce	3
Pol. Sci. 4—Municipal Government	3	Econ. 10—Corporation Management	3
		Sociology 8—Charities	3
Total	12	Total	14
Suggested Electives		*Suggested Electives*	
Bus. Org. and Op. 1—Business Organization and Operation	3	Econ. 11—Industrial Consolidation	3
Phil. 9—Political Ethics	2	Econ. 34—Property Insurance	2
Sociology 1—Principles of Sociology	3	Pol. Sci. 12—National Administration	3
		Pol. Sci. 16—Government of Illinois	2
		Rhet. 22—Summarizing and Abstracting	2

FOURTH YEAR FOR THE CLASS OF 1917

Prescribed Subjects		*Prescribed Subjects*	
Bus. Law. 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Bus. Org. and Op. 7—Salesmanship	2	Bus. Org. and Op. 4—Industrial Organization and Management	2
Rhet. 25—Conference on Written Work	1	Bus. Org. and Op. 9—Commercial and Civic Organizations	1
		Bus. Org. and Op. 8—Advertising	2
		Rhet. 26—Conference on Written Work	1
		Trans. 12—Freight Shipment	2
Total	6	Total	11
Suggested Electives		*Suggested Electives*	
Econ. 12a—Labor Problems	3	Econ. 21—Socialism and Economic Reform	2
Econ. 11—Industrial Consolidations	3	Econ. 12b—Labor Problems	3
Sociology 10—Population	3	Sociology 9—Criminology	3
Trans. 1—Transportation System	3		

Curriculum in Banking

Under the New Requirements for Graduation

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

THIRD YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Bus. Org. and Op. 1—Business Organization and Operation	3	Bus. Org. and Op. 2—Organization and Control of Mercantile Distribution	2
Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Econ. 5—Public Finance	3	Econ. 10—Corporation Management and Finance	3
Econ. 28—Domestic Commerce	3	Math. 23—Mathematics of Investment	3
Electives	3–6	Electives	4–7
Total	15–18	Total	15–18

FOURTH YEAR

Econ. 9—Practical Banking	2	Econ. 8—The Money Market	2
Econ. 4—Financial History of the United States	3	Econ. 31—Organization of Foreign Commerce	3
Rhet. 25—Conference on Written Work	1	Rhet. 26—Conference on Written Work	1
Electives	9–12	Electives	9–12
Total	15–18	Total	15–18

[1]Semester hours. For definition, see page 247.

Under the Old Requirements for Graduation

THIRD YEAR FOR THE CLASS OF 1918

Prescribed Subjects

Acc'y 1a—Principles of Accounting..... 3
Bus. Org. and Op. 1—Business Organization and Operation..... 3
Econ. 5—Public Finance..... 3
Econ. 28—Domestic Commerce..... 3

Total.....12

Suggested Electives

History.....
Psych. 1—Introduction to Psychology..... 3
Trans. 1—Transportation System..... 3

Prescribed Subjects

Acc'y 1b—Principles of Accounting..... 3
Bus. Org. and Op. 2—Organization and Control of Mercantile Distribution..... 2
Econ. 10—Corporation Management..... 3
Math. 23—Mathematics of Investment..... 3

Total.....11

Suggested Electives

Econ. 29—Foreign Commerce..... 3
Econ. 31—Organization of Foreign Commerce..... 3
History.....
Trans. 12—Freight Shipment..... 2

FOURTH YEAR FOR THE CLASS OF 1917

Bus. Law 1a—Commercial Law..... 3
Econ. 4—Financial History of United States.. 3
Econ. 9—Practical Banking..... 2
Rhet. 25—Conference on Written Work..... 1

Total..... 9

Suggested Electives

Acc'y 2a—Advanced Accounting and Auditing..... 3
Econ 12a—Labor Problems..... 3
Econ. 33—Economics of Insurance..... 2
Phil. 9—Political Ethics..... 2

Bus. Law 1b—Commercial Law..... 3
Econ. 8—The Money Market..... 2
Rhet. 26—Conference on Written Work..... 1

Total..... 6

Suggested Electives

Acc'y 2b—Advanced Accounting and Auditing..... 3
Bus. Org. and Op. 4—Industrial Organization and Management..... 2
Econ. 12b—Labor Problems..... 3
Econ. 34—Property Insurance..... 2

Curriculum in Insurance

Under the New Requirements for Graduation

FIRST YEAR

FIRST SEMESTER

	Hours[1]
Acc'y 1a—Principles of Accounting	3
Econ. 26—Economic Resources	3
Math. 2—College Algebra	3
Math. 4—Trigonometry	2
Rhet. 1—Rhetoric and Themes	3
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1
Mil. 2a—Military Drill	1
Electives	0–2
Total	16–18

SECOND SEMESTER

	Hours[1]
Acc'y 1b—Principles of Accounting	3
Econ. 22—Economic History of the United States	3
Math. 6—Analytic Geometry	5
Rhet. 2—Rhetoric and Themes	3
Phys. Tr. 2—Gymnasium	1
Mil. 1—Drill Regulations	1
Mil. 2b—Military Drill	1
Electives	0–1
Total	17–18

SECOND YEAR

Acc'y 2a—Advanced Accounting and Auditing..... 3
Econ. 1—Principles of Economics..... 5
Math. 8—Differential and Intregral Calculus..... 5
Mil. 2c—Military Drill..... 1
Electives.....1–4

Total.....15–18

Acc'y 2b—Advanced Accounting and Auditing..... 3
Econ. 3—Money and Banking..... 3
Rhet. 10—Business Writing..... 2
Mil. 2d—Military Drill..... 1
Electives.....6–9

Total.....15–18

THIRD YEAR

Bus. Law 1a—Commercial Law..... 3
Bus. Org. and Op. 1—Business Organization and Operation..... 3
Econ. 5—Public Finance..... 3
Econ. 28—Domestic Commerce..... 3
Electives.....3–6

Total.....15–18

Bus. Law 1b—Commercial Law..... 3
Bus. Org. and Op. 2—Organization and Control of Mercantile Distribution..... 2
Econ. 10—Corporation Management and Finance..... 3
Math. 23—Mathematics of Investment..... 3
Electives.....4–7

Total.....15–18

[1]Semester hours. For definition, see page 247.

FOURTH YEAR

Bus. Org. and Op. 7—Salesmanship	2	Bus. Org. and Op. 8—Advertising	2
Econ. 33—Economics of Insurance	2	Econ. 34—Property Insurance	2
Econ. 9—Practical Banking	2	Math. 31—Actuarial Theory	3
Math. 31—Actuarial Theory	3	Rhet. 26—Conference on Written Work	1
Rhet. 23—Conference on Written Work	1	Electives	7–10
Electives	5–8		
Total	15–18	Total	15–18

Under the Old Requirements for Graduation

THIRD YEAR FOR THE CLASS OF 1918

Prescribed Subjects		*Prescribed Subjects*	
Acc'y 1a—Principles of Accounting	3	Acc'y 1b—Principles of Accounting	3
Bus. Org. and Op. 1—Business Organization and Operation	3	Econ. 10—Corporation Management	3
Math. 31—Actuarial Theory	3		
Total	9	Total	6
Suggested Electives		*Suggested Electives*	
Econ. 5—Public Finance	3	Foreign Language continued	
Foreign Language continued		Hist. 3b—History of United States	3
Hist. 1a—European History	4	Hist. 1b—European History	4
Hist. 3a—History of United States	3	Phil. 1—Logic	3

FOURTH YEAR FOR THE CLASS OF 1917

Prescribed Subjects		*Prescribed Subjects*	
Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Econ. 33—Economics of Insurance	2	Econ. 34—Property Insurance	2
Rhet. 25—Conference on Written Work	1	Rhet. 26—Conference on Written Work	1
Total	6	Total	6
Suggested Electives		*Suggested Electives*	
Bus. Org. and Op. 7—Salesmanship	2	Bus. Org. and Op. 4—Industrial Organization and Management	2
Econ. 4—Financial History of United States	3	Bus. Org. and Op. 8—Advertising	2
Econ. 9—Practical Banking	2	Econ. 8—Money Market	2
Econ. 12a—Labor Problems	3	Econ. 12b—Labor Problems	3
Phil. 9—Political Ethics	2		
Total	12	Total	9

Curriculum in Accountancy

Under the New Requirements for Graduation

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	Hours[1]	SECOND SEMESTER	Hours[1]
Acc'y 3a—Accounting Problems and Auditing	3	Acc'y 3b—Accounting Problems and Auditing	3
Bus. Law. 1a—Commercial Law	3	Bus. Org. and Op. 2—Organization and Control of Mercantile Distribution	2
Bus. Org. and Op. 1—Business Organization and Operation	3	Bus. Law 1b—Commercial Law	3
Econ. 28—Domestic Commerce	3	Econ. 10—Corporation Management and Finance	3
Electives	3–6	Math. 23—Mathematics of Investment	3
		Electives	1–4
Total	15–18	Total	15–18

FOURTH YEAR

Acc'y 5a—C. P. A. Problems	2	Acc'y 5b—C. P. A. Problems	2
Econ. 9—Practical Banking	2	Rhet. 26—Conference on Written Work	1
Econ. 11—Industrial Consolidations	3	Electives	12–15
Rhet. 25—Conference on Written Work	1		
Electives	5–8		
Total	15–18	Total	15–18

[1]Semester hours. For definition, see page 247.

Under the Old Requirements for Graduation

THIRD YEAR FOR THE CLASS OF 1918

Prescribed Subjects		*Prescribed Subjects*	
Acc'y 2a—Advanced Accounting and Auditing	3	Acc'y 2b—Advanced Accounting and Auditing	3
Bus. Org. and Op. 1—Business Organization and Operation	3	Econ. 10—Corporation Management	3
Econ. 5—Public Finance	3	Math. 23—Mathematics of Investment	3
Total	9	Total	9
Suggested Electives		*Suggested Electives*	
Acc'y 4a—Cost Accounting	3	Acc'y 4b—Cost Accounting	3
Econ. 28—Domestic Commerce	3	Econ. 29—Foreign Commerce or	
Rhet. 22—Summarizing and Abstracting	2	Econ. 31—Organization of Foreign Commerce	3

FOURTH YEAR FOR THE CLASS OF 1917

Prescribed Subjects		*Prescribed Subjects*	
Acc'y 3a—Accounting Problems and Auditing	3	Acc'y 3b—Accounting Problems and Auditing	3
Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Rhet. 25—Conference on Written Work	1	Rhet. 26—Conference on Written Work	1
Total	7	Total	7
Suggested Electives		*Suggested Electives*	
Econ. 11—Industrial Consolidation	3	Bus. Org. and Op. 4—Industrial Organization and Management	2
Econ. 9—Practical Banking	2	Econ. 8—Money Market	2
Econ. 12a—Labor Problems	3	Econ. 12b—Labor Problems	3
Phil. 9—Political Ethics	2		

Curriculum in Railway Administration

Under the New Requirements for Graduation

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

SECOND YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
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	Mil. 2d—Military Drill	1
Mil. 2a—Military Drill	1	Electives	6–9
Electives	2–5		
Total	15–18	Total	15–18

THIRD YEAR

Bus. Org. and Op. 1—Business Organization and Operation	3	Bus. Law 1b—Commercial Law	3
Bus. Law 1a—Commercial Law	3	Trans. 2—Transportation Policy in Europe and the United States	3
Trans. 1—Transportation System of the United States	3	Trans. 22—Railway Train Service or	
Trans. 13—Railway Traffic Administration or		Trans. 26—Economics of Railway Location and Maintenance	3
Trans. 17—Railway Terminal Management	3	Electives	6–9
Electives	3–6		
Total	15–18	Total	15–18

FOURTH YEAR

Econ. 12a—Labor Problems	3	Econ. 10—Corporation Management and Finance	3
Econ. 28—Domestic Commerce	3	Econ. 12b—Labor Problems	3
Rhet. 25—Conference on Written Work	1	Rhet. 26—Conference on Written Work	1
Trans. 17—Railway Terminal Management or		Trans. 26—Economics of Railway Location and Maintenance or	
Trans. 13—Railway Traffic Administration	3	Trans. 22—Railway Train Service	3
Electives	5–8	Electives	5–8
Total	15–18	Total	15–18

[1]Semester hours. For definition, see page 247.

Under the Old Requirements for Graduation

THIRD YEAR FOR THE CLASS OF 1918

FIRST SEMESTER		SECOND SEMESTER	
Acc'y 2a—Advanced Accounting and Auditing	3	Acc'y 2b—Advanced Accounting and Auditing	3
Trans. 1—Transportation System	3	Econ. 10—Corporation Management	3
Trans. 17—Railway Terminal Management or		Math. 23—Mathematics of Investment	3
Trans. 13—Railway Traffic Administration	3	Trans. 26—Economics of Railway Location and Maintenance or	
Electives	6-9	Trans. 22—Railway Train Service	3
		Trans. 2—Transportation Policy in Europe and United States	3
		Electives	0-3
Total	15-18	Total	15-18

FOURTH YEAR FOR THE CLASS OF 1917

Acc'y 3a—Accounting Problems and Auditing	3	Acc'y 3b—Accounting Problems and Auditing	3
Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Rhet. 25—Conference on Written Work	1	Rhet. 26—Conference on Written Work	1
Trans. 13—Railway Traffic Administration or		Trans. 26—Economics of Railway Location and Maintenance or	
Trans. 17—Railway Terminal Management	3	Trans. 22—Railway Train Service	3
Trans. 35a—Thesis	2	Trans. 35b—Thesis	2
Electives	3-6	Electives	3-6
Total	15-18	Total	15-18

Curriculum in Railway Transportation

Under the New Requirements for Graduation

FIRST YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Acc'y 1a—Principles of Accounting	3	Acc'y 1b—Principles of Accounting	3
G. E. D. 1—Elements of Drafting	4	G. E. D. 2—Descriptive Geometry	4
Math. 2—Advanced Algebra	3	Rhet. 2—Rhetoric and Themes	3
Math. 4—Trigonometry	2	Math. 6—Analytic Geometry	5
Rhet. 1—Rhetoric and Themes	3	Phys. Tr. 2—Gymnasium	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 1—Drill Regulations	1
Mil. 2a—Military Drill	1	Mil. 2b—Military Drill	1
Electives	0-1		
Total	17-18	Total	18

SECOND YEAR

Econ. 1—Principles of Economics	5	Econ. 3—Money and Banking	3
Math. 8—Differential and Integral Calculus	5	Physics 1b—General Physics	2
Physics 1a—General Physics	3	Physics 3b—Physical Measurements	2
Physics 3a—Physical Measurements	2	Rhet. 10—Business Writing	2
Trans. 7—Railway Organization	2	Trans. 12—Freight Shipment	2
Mil. 2c—Military Drill	1	T. & A. M. 20—Analytical Mechanics	3
		Mil. 2d—Military Drill	1
		Electives	0-3
Total	18	Total	15-18

THIRD YEAR

Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Bus. Org. and Op. 1—Business Organization and Operation	3	C. E. 76—Surveying	2
Trans. 1—Transportation System of the United States	3	M. E. 2—Steam Engineering	3
Trans. 13—Railway Traffic Adminstration or		Trans. 2—Transportation Policy in Europe and the United States	3
Trans. 17—Railway Terminal Management	3	Trans. 22—Railway Train Service or Trans. 26—Economics of Railway Location and Maintenance	3
Electives	3-6	Electives	1-4
Total	15-18	Total	15-18

[1]Semester hours. For definition, see page 247.

FOURTH YEAR

Econ. 12a—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 Laboratoy	1	Econ. 10—Corporation Management and Finance or	
M. E. 61—Power Measurement	2	Econ. 12b—Labor Problems	3
Rhet. 25—Conference on Written Work	1	Rhet. 26—Conference on Written Work	1
Trans. 17—Railway Terminal Management or		Trans. 26—Economics of Railway Location and Maintenance or	
Trans. 13—Railway Traffic Administration	3	Trans. 22—Railway Train Service	3
Electives	2–5	Electives	4–7
Total	15–18	Total	15–18

Under the Old Requirements for Graduation

THIRD YEAR FOR THE CLASS OF 1918

FIRST SEMESTER		SECOND SEMESTER	
T. & A. M. 21—Analytical Mechanics	2	M. E. 2—Steam Engineering	3
T. & A. M. 29—Resistance of Materials	5	Trans. 2—Transportation Policy in Europe and the United States	3
Trans. 1—Transportation System	3	Trans. 22—Railway Train Service or	
Trans. 13—Railway Administration or		Trans. 26—Economics of Railway Location and Maintenance	3
Trans. 17—Railway Terminal Management	3	Electives	6–9
Electives	3–5	Total	15–18
Total	15–18		

FOURTH YEAR FOR THE CLASS OF 1917

Acc'y 1a—Principles of Accounting	3	Acc'y 1b—Principles of Accounting	3
Econ. 12a—Labor Problems	3	C. E. 76—Surveying	2
E. E. 11 and 61—Direct Current	4	Econ. 12b—Labor Problems	3
M. E. 62—Mechanical Engineering	3	E. E. 12 and 62—Alternating Current	4
Rhet. 25—Conference on Written Work	1	Rhet. 26—Conference on Written Work	1
Trans. 17—Railway Terminal Management or		Trans. 26—Economics of Railway Location and Maintenance or	
Trans. 13—Railway Traffic Administration	3	Trans. 22—Railway Train Service	3
Trans. 35a—Thesis	2	Trans. 35b—Thesis	2
Total	19	Total	18

Curriculum for Commercial Teachers

Under the New Requirements for Graduation

The first and second years are the same as in the General Business Curriculum except that foreign language is prescribed in the first year, and Psychology 1—Introduction to Psychology (3) and Psychology 2—General Psychology (3) in the second year.

THIRD YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Bus. Org. and Op. 1—Business Organization and Operation	3	Econ. 10—Corporation Management and Finance	3
Educ. 1—Introduction to Education	4	Educ. 2—History of Education	5
Pol. Sci. 1—American Government	3	Pol. Sci. 3—State and Local Government	3
Trans. 1—Transportation System of the United States	3	Trans. 12—Freight Shipment	2
Electives	0–2	Electives	2–5
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. 15—Social Education	3	Econ. 31—Organization of Foreign Commerce	3
Rhet. 25—Conference on Written Work	1	Educ. 10—The Technique of Teaching	3
Electives	6–9	Rhet. 26—Conference on Written Work	1
		Electives	6–9
Total	15–18	Total	15–18

[1]Semester hours. For definition, see page 247.

Under the Old Requirements for Graduation

THIRD YEAR FOR THE CLASS OF 1918

Prescribed Subjects		*Prescribed Subjects*	
Acc'y 1a—Principles of Accounting	3	Acc'y 1b—Principles of Accounting	3
Econ. 10—Corporation Management	3	Bus. Org. and Op. 2—Organization and Control of Mercantile Distribution	2
Econ. 28—Domestic Commerce	3	Econ. 29—Foreign Commerce or	
Educ. 1—Principles of Education	4	Econ. 31—Organization of Foreign Commerce	3
		Educ. 2—History of Education	5
Total	13	Total	13
Suggested Electives		*Suggested Electives*	
Bus. Org. and Op. 1—Business Organization and Operation	3	Educ. 6—Principles of Secondary School Education	3
Econ. 5—Public Finance	3	Foreign language continued	
Foreign language continued		History	
History		Phil. 2—Introduction to Philosophy	3
Phil. 1—Logic	3		
Pol. Sci. 4—Municipal Government	3		
Rhet. 22—Summarizing and Abstracting	2		

FOURTH YEAR FOR THE CLASS OF 1917

Prescribed Subjects		*Prescribed Subjects*	
Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Econ. 12a—Labor Problems	3	Econ. 12b—Labor Problems	3
Educ. 10—Observation and Technics of Teaching	3	Educ. 16—Social Education or	
Rhet. 25—Conference on Written Work	1	Educ. 15—School Hygiene	2 or 3
		Rhet. 26—Conference on Written Work	1
Total	10	Total	9 or 10
Suggested Electives		*Suggested Electives*	
Acc'y 2a—Advanced Accounting and Auditing	3	Acc'y 2b—Advanced Accounting and Auditing	3
Bus. Org. and Op. 3—Business Procedure	2	Bus. Org. and Op. 4—Industrial Organization and Management	2
Econ. 4—Financial History of United States	3	Econ. 8—The Money Market	2
Econ. 9—Practical Banking	2	Econ. 21—Socialism and Economic Reform	2
Phil. 9—Political Ethics	2	Trans. 12—Freight Shipment	2

Curriculum in Foreign Commerce

Under the New Requirements for Graduation

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	Hours[1]	SECOND SEMESTER	Hours[1]
Bus. Law 1a—Commercial Law	3	Bus. Law 1b—Commercial Law	3
Bus. Org. and Op. 1—Business Organization and Operation	3	Bus. Org. and Op. 2—Organization and Control of Mercantile Distribution	2
Econ. 28—Domestic Commerce	3	Econ. 29—Foreign Commerce	3
Foreign language	2 or 3	Econ. 10—Corporation Management and Finance	3
Hist. 3a—History of the United States	3	Foreign language	2 or 3
Electives	0–3	Hist. 3b—History of the United States	3
		Electives	0–1
Total	16–18	Total	17–18

FOURTH YEAR

Bus. Org. and Op. 7—Salesmanship	2	Econ. 8—The Money Market	2
Econ. 9—Practical Banking	2	Econ. 31—Organization of Foreign Commerce	3
Advanced history	3	Pol. Sci. 7—American Diplomacy	3
Pol. Sci. 6—International Law	3	Advanced history	3
Rhet. 25—Conference on Written Work	1	Rhet. 26—Conference on Written Work	1
Electives	4–7	Electives	3–6
Total	15–18	Total	15–18

[1]Semester hours. For definition, see page 247.

Curriculum in Industrial Administration

Under the New Requirements for Graduation

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 such one of these groups as will be most advantageous to him in his future work, but is required to take all the courses listed in the chosen group. The 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), instead of Economics 22—Economic History of the United States (3) and T. & A. M. 20—Analytical Mechanics (3), in the second year.

FIRST YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Acc'y 1a—Principles of Accounting	3	Acc'y 1b—Principles of Accountancy	3
G. E. D. 1—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. Tr. 2—Gymnasium	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 1—Drill Regulations	1
Mil. 2a—Military Drill	1	Mil. 2b—Military Drill	1
Electives	0–1	Electives	0 or 1
Total	17–18	Total	17–18

SECOND YEAR

Econ. 1—Principles of Economics	5	Econ. 3—Money and Banking	3
Math. 8—Differential and Integral Calculus	5	Econ. 23—Statistics	3
Phys. 1a—General Physics	3	Phys. 1b—General Physics	2
Phys. 3a—Physical Measurements	2	Phys. 3b—Physical Measurements	2
Rhet. 10—Business Writing	2	Econ. 22—Economic History of the United States	3
Mil. 2c—Military Drill	1	T. & A. M. 20—Analytical Mechanics	3
		Mil. 2d—Military Drill	1
		Electives	0–1
Total	18	Total	17–18

THIRD YEAR

Bus. Org. and Op. 1—Business Organization and Operation	3	Bus. Org. and Op. 2—Organization and Control of Mercantile Distribution	2
Bus. Law 1a—Commercial Law	3	Bus. Law 2b—Commercial Law	3
Trans. 1—Transportation System of the United States	3	Trans. 12—Freight Rates	2
Prescribed technical courses, Group A, B, C, or D	2–6	Prescribed technical courses, Group A, B, C, or D	3–6
Electives	0–7	Electives	2–8
Total	15–18	Total	15–18

FOURTH YEAR

Bus. Org. and Op. 7—Salesmanship	2	Bus. Org. and Op. 8—Advertising	2
Econ. 12a—Labor Problems or electives	3	Rhet. 26—Conference on Written Work	1
Rhet. 25—Conference on Written Work	1	Econ. 12b—Labor Problems or	
Prescribed technical courses, Group A, B, C, or D	3–9	Econ. 10—Corporation Management and Finance	3
Electives	0–9	Prescribed technical courses, Group A, B, C, or D	2–10
		Electives	0–10
Total	15–18	Total	15–18

[1]Semester hours. For definition, see page 247.

Optional Groups of Technical Courses

GROUP A:

THIRD YEAR

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

FOURTH YEAR

FIRST SEMESTER		SECOND SEMESTER	
M. E. 61—Power Measurement	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:

THIRD YEAR

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

FOURTH YEAR

FIRST SEMESTER		SECOND SEMESTER	
M. E. 61—Power Measurement	2	E. E. 12—Alternating Current Apparatus	3
E. E. 11—Direct Current Apparatus	3	E. E. 62—Electrical Engineering Laboratory	1
E. E. 61—Electrical Engineering Laboratory	1	E. E. 90—Lighting	1

GROUP C:

THIRD YEAR

FIRST SEMESTER		SECOND SEMESTER	
Arch. Eng. 43—Working Drawings	2	T. & A. M. 26—Analytical Mechanics and Hydraulics	4
T. & A. M. 25—Resistance of Materials	4	Arch. Eng. 44—Working Drawings	2

FOURTH YEAR

FIRST SEMESTER		SECOND SEMESTER	
Arch. Eng. 45—Graphic Statics	3	C. E. 76—Surveying	2

GROUP D:

THIRD YEAR

FIRST SEMESTER		SECOND SEMESTER	
Chem. 2a—Inorganic Chemistry and Qualitative Analysis	5	Chem. 5a—Elementary Quantitative Analysis	5

FOURTH YEAR

FIRST SEMESTER		SECOND SEMESTER	
Chem. 9c—Organic Synthesis	2	Chem. 6—Chemical Technology	3
Chem. 14a—Organic Chemistry	4	Chem. 31—Elementary Physical Chemistry	4
Chem. 92a—Journal Meeting	1	Chem. 33—Elementary Physical Chemistry	2
		Chem. 92b—Journal Meeting	

Curriculum in Commerce and Law

(A six-year combined curriculum)

Under the New Requirements for Graduation

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

[1]Semester hours. For definition, see page 247.

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	Hours[1]	SECOND SEMESTER	Hours[1]
Acc'y 1—Principles of Accounting	3	Acc'y 1b—Principles of Accounting	3
Econ. 26—Economic Resources	3	Econ. 22—Economic History of the United States	3
Rhet. 1—Rhetoric and Themes	3	Rhet. 2—Rhetoric and Themes	3
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Phys. Tr. 2—Gymnasium	1
Mil. 2a—Military Drill	1	Mil. 1—Drill Regulations	1
Electives	4–7	Mil. 2b—Military Drill	1
		Electives	3–6
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	Phil. 1—Logic	3
Mil. 2c—Military Drill	1	Mil. 2d—Drill	1
Electives	4–7	Electives	5–8
Total	15–18	Total	15–18

THIRD YEAR

Bus. Org. and Op. 1—Business Organization and Operation	3	Bus. Org. and Op. 2—Organization and Control of Mercantile Distribution	2
Econ. 5—Public Finance	3	Econ. 10—Corporation Finance	3
Econ. 28—Domestic Commerce	3	Electives	10–13
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 of Study of Law	1	Law 11—Agency	3
Total	14	Total	14

[1]Semester hours. For definition, see page 247.

COLLEGE OF ENGINEERING

For a description of the *buildings* used by this College, see page 52, for *collections* belonging to it, see page 62; for *clubs* and *societies auxiliary to its curriculums*, see page 102; for *fees*, see page 110; for *honors*, see page 87; for *honorary societies*, see page 101.

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 practise 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 the entrance requirements of the University, pages 66-84.

SPECIAL STUDENTS

See the statement of the regulations of the University in regard to special students, page 72.

DESCRIPTION OF DEPARTMENTS

The College of Engineering comprises the following departments:

DEPARTMENT OF ARCHITECTURE, with curriculums in—
- Architecture
- Architectural Engineering

DEPARTMENT OF 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,[1] with curriculums in—
- Railway Civil Engineering
- Railway Electrical Engineering
- Railway Mechanical Engineering

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 practise of architecture.

The curriculum in architecture aims primarily to train the student to produce correct, thoughtful, and beautiful works of architecture. The schedule includes

[1] The School of Railway Engineering and Administration (page 194) offers, in addition to the three curriculums named here, curriculums in railway transportation and railway administration under the direction of the College of Commerce and Business Administration. See pages 137-139 above.

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 skilful 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 free-hand 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 J. C. Llewellyn prize of fifty dollars is offered to the seniors in architectural engineering for the best solution of a given engineering problem.

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 free-hand and mechanical drawing and general history in high school.

Equipment

The collections of rendered and working drawings, lantern slides, plates, photographs, casts, specimens of American woods, building materials, and appliances are noted under "Collections" on page 62. 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, library, lecture rooms, and studios for free-hand drawing.

CERAMIC ENGINEERING

This department offers courses in 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 compositions and application of the various glazes, glasses, enamels, and colors, the planning and construction of industrial plants, and of 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 modern three-story brick building providing ample facilities in the way of lecture rooms, class rooms, and laboratories.

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, tiles, saggers, 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 of his initiative, and to help him 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 in railroad surveying, but also in more precise work.

In a building set apart for the purpose is a well equipped road 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 500-kilowatt power plant of the University supplies the electrical engineering laboratory with current for its operation.

The power equipment in the electrical engineering laboratory includes eighty-five direct current machines with a total capacity of 450 kilowatts, thirty-five alternating current machines with a total capacity of 375 kilowatts, and sixty transformers with a total capacity of 375 kilowatts. A 17-panel experimental switchboard affords 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 experiment 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 the 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 specialities, 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; 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, molding machines, and facilities for bench and floor molding; 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 is a universal machine of six hundred thousand pounds capacity. 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 standpipe, 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, geology, 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.

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 rooms contain 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 applicances, 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 from 3 or 5 tons of coal and one ton or 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 lab-

oratory 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 contains 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.

MINE RESCUE STATION AND LABORATORIES

Cooperating with the department of mining engineering and with the State Geological Survey, the Federal Government in 1909 established at the University a mine rescue station in charge of a resident mining engineer. The purpose of the station was to interest all connected with the mining industry in modern appliances and breathing and resuscitation apparatus as part of the normal equipment of mines. At the station mine bosses and others were trained in the use of such apparatus, this service being rendered freely to all who desired the benefits thereof.

A direct outcome of the cooperative rescue station has been the establishment of a comprehensive mine rescue service by the State of Illinois. This state service has rendered unnecessary the maintenance of the cooperative rescue station in Urbana. The station is now maintained by the University for the training of students, but the United States Bureau of Mines keeps certain apparatus on exhibition.

The Cooperative Investigation of Illinois mining conditions is another outgrowth of the mine rescue station. This cooperation between the University of Illinois, the Illinois State Geological Survey, and the United States Bureau of Mines has for the past five years carried on an investigation of the coal resources and the mining practise in the state.

A laboratory has been maintained for the study of mine dusts and mine gases which is also available for the use of mining classes in the University. The Bureau of Mines has stationed in Urbana two resident mining engineers.

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.

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 mechanicans of the department. The students' shop is equipped with lathes, drill press, and bench tools. The mechanicians' 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[1]

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 middle of the third 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 electric 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 are furnished by certain western railroad systems under an arrangement which insures the maintenance in the plant of a locomotive of 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 fifteen 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 also 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

[1] See also School of Railway Engineering and Administration, page 194.

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 of 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 by them opportunities for practical road tests and field work.

APPROVED NON-TECHNICAL ELECTIVES

The following is a list of approved non-technical electives for students in the College of Engineering. In general, prerequisites must be observed.

Accountancy 10; Astronomy 3, 7, 8, 14, 15; Chemistry 16, 5a or 13a, 10b, 6, 7, 8, 31, 35, 65, 66, 69, 77, 78; Economics 1, 2, 3, 10, 12a-12b, 21, 25a-25b, 41; Education 1, 2, 16, 25, 41; English, and intermediate or advanced courses; French, any advanced courses; Geology 2, 5a, 13a, 13b, 14, 24; (for students in mining any course in geology for which the student has prerequisite); German, any third or fourth year courses; History 3a-3b; Italian 2a-2b; Mathematics 10, 16-17, 19, 21 23, 27-28; Philosophy 1, 17; Physics 15, 16, 17, 20, 22, 23, 24, 25, 30, 31a-31b; Political Science 1, 3, 4; Psychology 1, 2, 3, 4; Rhetoric 17; Sociology 1, 3; Spanish 3a-3b, 4a-4b.

SUMMER READING

All engineering students not graduates of a literary college are required to complete prescribed courses of reading of a non-professional character during the summer vacations following the freshman and sophomore years. The purpose of the summer reading is to increase the acquaintance of the student with literature, history, and general science, to develop in him a taste for such reading, and to impress him with the importance of such knowledge not only as a source of individual enjoyment, but as an aid in social and business relations.

A circular on summer reading is issued, containing a list of books from which the student may choose. The books have been selected for their value in general training, but an attempt has been made to include only readable and attractive works. A statement of the books read during the summer is required at the beginning of the next college year.

GENERAL ENGINEERING LECTURES FOR FRESHMEN

One general lecture, sufficiently popular in character to interest and inspire young students, will be given each week. All freshman 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 from $15 to $25 to each student. For the year 1917-1918, the trips will occur on November 8-10, 1917.

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.

CURRICULUMS AND DEGREES

The curriculums leading to the degree of Bachelor of Science in the College of Engineering, as scheduled for the year 1916-1917, are given herewith in full. Each of the eleven 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 ordinarily be 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.

RHETORIC PREREQUISITE FOR JUNIOR STANDING

The University Senate has approved the following requirements in the subject of rhetoric:

1. Rhetoric 1 and 2 shall hereafter be a prerequisite 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.

2. Any student in this College whose written work shows that he is unable to use good English shall be reported by his instructor to a standing committee of the College, which committee shall have authority to direct the student to take as a prerequisite for graduation such additional work in rhetoric as may be prescribed by the department of English.

CURRICULUMS IN ENGINEERING

The several engineering curriculums are in process of transition between a former schedule followed by the classes entering prior to the year 1914-15, and a new schedule, effective for the freshman class of that year and subsequent classes.

The outlines which follow show the work of each year in the several curriculums *as taught during 1916-17. They do not show either the old or the new curriculum as a whole.* The "First Year" as here scheduled is for freshmen; and the "Second Year," "Third Year," and "Fourth Year," respectively, for regular sophomores, juniors, and seniors; but these schedules *must not be used* for checking up on a student's previous work in his course or in planning the work of subsequent years. For such check or planning consult with the Assistant Dean of the College.

Curriculum in Architecture

FIRST YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Arch. 31[2]—Arch. and Freehand Drawing	4	Arch. 32—Arch. and Freehand Drawing	4
G. E. D. 2—Descriptive Geometry	4	Chem. 1a or 1b[3]—Inorganic Chemistry	3 or 4
Math. 2—Advanced Algebra	3	Rhet. 2—Rhetoric and Themes	3
Math. 4—Trigonometry	2	T. & A. M. 14—Elem. Mechanics	4
Rhetoric 1—Rhetoric and Themes	3	Engineering lecture	0
Engineering lecture	0	Phys. Tr. 2—Gymnasium	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 1—Drill Regulations	1
Mil. 2a—Military Drill	1	Mil. 2b—Military Drill	1
Total	18	Total	17–18

Summer Reading, 50 points

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—Working Drawings	3	Arch. 44—Working Drawings	3
Phys. 9a—Physics Lectures	2	Phys. 9b—Physics Lectures	2
Phys. 10a—Physics Laboratory	2	Phys. 10b—Physics Laboratory	2
T. & A. M. 15—Strength of Materials	3	T. & A. M. 16—Strength of Materials	3
Mil. 2c—Military Drill	1	Mil. 2d—Military Drill	1
Total	18	Total	18

Summer Reading, 50 points

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. 55—Building Sanitation	1	Arch. 66—Theory of Architecture	1
Arch. 65—Theory of Architecture	1	E. E. 90—Building Illumination	1
French or German	4	French or German	4
Total	18	Total	18

FOURTH YEAR

Arch. 27—Freehand Drawing	2	Arch. 28—Freehand Drawing	2
Arch. 37—Design	7	Arch. 38—Advanced Design or Thesis	7
Arch. 67—Theory of Form and Color	2	Arch. 60—Special Lectures	1
M. E. 25—Heating and Ventilation	2	Arch. 68—Specifications	3
Arch. 99—Inspection trip	0	Non-technical elective[4]	3
Non-technical elective[4]	5		
Total	18	Total	16

Curriculum in Architectural Engineering as Taught in 1916-17

FIRST YEAR FOR CLASS OF 1920

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Chem. 1a or 1b—Inorganic Chemistry	3 or 4	Chem. 4—Qualitative Analysis	4
G. E. D. 1—Elements of Drafting	4	G. E. D. 2—Desc. 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	Engineering lecture	0
Engineering lecture	0	Phys. Tr. 2—Gymnasium	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 1—Drill Regulations	1
Mil. 2a—Military Drill	1	Mil. 2b—Military Drill	1
Total	17–18	Total	19

Summer Reading, 50 points

SECOND YEAR FOR CLASS OF 1919

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—Working Drawings	2	A. E. 44—Working Drawings	2
Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3
Phys. 1a—Physics Lectures	3	Phys. 1b—Physics Lectures	2
Phys. 3a—Physics Laboratory	2	Phys. 3b—Physics Laboratory	2
Mil. 2c—Military Drill	1	T. & A. M. 20—Analytical Mech	3
		Mil. 2d—Military Drill	1
Total	18	Total	18

Summer Reading, 50 points

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[1] Semester hours. For definition, see page 247.

[2] The numbers refer to courses in the Description of Courses, pages 247.

[3] Students who have had chemistry in the high school equivalent to Chemistry 1b will register in Chemistry 1a.

[4] Any approved non-technical course requiring sophomore standing. See printed list of approved non-technical electives, page 151.

THIRD YEAR FOR THE CLASS OF 1918

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
Chem. 1a or 1b—Inorganic Chem	3 or 4	Chem. 4—Qualitative Analysis	4
T. & A. M. 25—Resistance of Materials	4	T. & A. M. 26—Analytic Mechanics and Hydraulics	4
Non-technical elective[1]	2	Non-technical elective[1]	2
Total	17–18	Total	18

FOURTH YEAR FOR THE CLASS OF 1917

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. 67—Building Sanitation	2	A. E. 68—Estimates and Specifications	4
M. E. 23—Mech. Equipment of Buildings	5	E. E. 92—Lighting and Wiring	2
A. E. 99—Inspection Trip	0	Non-technical elective[1]	3
Non-technical elective[1]	3		
Total	17	Total	16

Revised Curriculum in Ceramic Engineering

FIRST YEAR

FIRST SEMESTER	Hours[2]	SECOND SEMESTER	Hours[2]
Chem. 1a[3] or 1b—Inorganic Chemistry	3 or 4	Chem. 4—Qualitative Analysis	4
G. E. D. 1—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	Engineering lecture	0
Engineering lecture	0	Phys. Tr. 2—Gymnasium	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 1—Drill Regulations	1
Mil. 2a—Military Drill	1	Mil. 2b—Military Drill	1
Total	17 or 18	Total	19

Summer Reading, 50 points

SECOND YEAR

Chem. 5a—Quantitative Analysis	5	Chem. 5b—Quantitative Analysis	5
Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3
Min. 3—Mining Principles	2	Phys. 1b—Physics Lectures	2
Phys. 1a—Physics Lectures	3	Phys. 3b—Physics Laboratory	2
Phys. 3a—Physics Laboratory	2	Mil. 2d—Military Drill	1
Mil. 2c—Military Drill	1	Non-technical elective[3]	3
Total	18	Total	19

Summer Reading, 50 points

THIRD YEAR FOR THE CLASS OF 1918

Cer. 2—Winning and Preparation of Clays	3	Cer. 5—Ceramic Bodies	5
Chem. 65—Gas and Fuel Analysis	2	Cer. 3—Industrial Calculations	3
Language	4	Cer. 12—Designing and Shaping	3
T. & A. M. 21—Analytical Mechanics	2	C. E. 76—Surveying	2
T. & A. M. 25—Resistance of Materials	4	Language	4
Non-technical elective[1]	3		
Total	18	Total	17

FOURTH YEAR FOR THE CLASS OF 1917

Cer. 4—Drying and Burning	4	Cer. 8—Glass	2
Cer. 6—Glazes	5	Cer. 9—Ceramic Construction	4
Cer. 17—Physical Chemistry	3	Ceramic thesis or technical elective	3
Geol. 13a—Engineering Geology	3	Geol. 13b—Engineering Geology	3
Cer. 99—Inspection Trip	0	M. E. 62—Mech. Eng. Laboratory	3
Non-technical elective[1]	3		
Total	18	Total	15

[1] Any approved non-technical course requiring sophomore standing. See printed list of approved non-technical electives, page 151.

[2] Semester hours. For definition see page 247.

[3] The numbers refer to courses in the Description of Courses, page 247.

Curriculum in Civil Engineering as Taught in 1916-17

FIRST YEAR FOR THE CLASS OF 1920

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Chem. 1a[2] or 1b—Inorganic Chemistry	3 or 4	Chem. 4—Inorganic Chemistry	4
G. E. D. 1—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. Tr. 2—Gymnasium	1
Mil. 2a—Military Drill	1	Mil. 1—Drill Regulations	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 2b—Military Drill	1
Engineering lecture	0	Engineering lecture	0
Total	17 or 18	Total	19

Summer Reading, 50 points

SECOND YEAR FOR THE CLASS OF 1919

C. E. 27—Plane Surveying	3	C. E. 28—Higher Surveying	3
Language	4	Language	4
Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3
Phys. 1a—Physics Lectures	3	Phys. 1b—Physics Lectures	2
Phys. 3a—Physics Laboratory	2	Phys. 3b—Physics Laboratory	2
Mil. 2c—Military Drill	1	T. & A. M. 20—Analytical Mechanics	3
		Mil. 2d—Military Drill	1
Total	18	Total	18

Summer Reading, 50 points

THIRD YEAR FOR THE CLASS OF 1918

C. E. 51—Railroad Surveying	5	C. E. 52—Roads and Pavements	3
M. E. 1—Steam Engines and Boilers	3	C. E. 60—Structural Stresses	4
Non-technical elective[3]	3	C. E. 62—Structural Details	2
T. & A. M. 21—Analytical Mechanics	2	C. E. 70—Seminar	1
T. & A. M. 29—Resistance of Materials	5	Non-technical elective[3]	3
		T. & A. M. 10—Hydraulics	3
Total	18	Total	16

FOURTH YEAR FOR THE CLASS OF 1917

I. General Civil Engineering Option

C. E. 77—Masonry Construction	4	C. E. 80—Contracts and Specifications	2
C. E. 79—Cement Laboratory	1	E. E. 4—Elementary Electrical Engineering	2
C. E. 81—Theory of Reinforced Concrete	2	E. E. 64—Electrical Engineering Laboratory	1
C. E. 83—Steel Bridge Design	3	M. & S. E. 3—Sewerage	3
M. & S. E. 2—Water Supply Engineering	4	Non-technical elective[3]	3
C. E. 99—Inspection Trip	0	Technical elective	5
Technical elective	3		
Total	17	Total	16

II. Structural Engineering Option

C. E. 77—Masonry Construction	4	C. E. 80—Contracts and Specifications	2
C. E. 79—Cement Laboratory	1	C. E. 82—Reinforced Concrete Design	4
C. E. 81—Theory of Reinforced Concrete	2	C. E. 88—Steel Building Design	3
C. E. 85—Steel Bridge Design	5	M. & S. E. 3—Sewerage	3
C. E. 87—Advanced Bridge Analysis	2	Non-technical elective[3]	3
M. & S. E. 2—Water Supply Engineering	4		
C. E. 99—Inspection Trip	0		
Total	18	Total	15

III. Highway Engineering Option

C. E. 77—Masonry Construction	4	C. E. 80—Contracts and Specifications	2
C. E. 79—Cement Laboratory	1	C. E. 92—Concrete Bridges and Culverts	2
C. E. 81—Theory of Reinforced Concrete	2	C. E. 94—Highway Administration	3
C. E. 91—Highway Bridge Design	4	C. E. 96—Road Laboratory	2
C. E. 93—Road Construction	3	Chem. 73—Asphalt, Tar, etc.	2
M. & S. E. 2—Water Supply Engineering	4	Technical elective	4
C. E. 99—Inspection Trip	0		
Total	18	Total	15

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[1] Semester hours. For definition, see page 247.
[2] The numbers refer to courses in the Description of Courses, page 247.
[3] Any approved non-technical course. See page 151.

Technical Electives

C. E. 83—Steel Bridge Design..... 3
C. E. 85—Steel Bridge Design..... 5
C. E. 87—Advanced Bridge Analysis..... 2
C. E. 91—Highway Bridge Design..... 4
C. E. 93—Road Construction..... 3
C. E. 97—Thesis[1]..... 1
Min. 6a—Mechanical Engineering of Mines... 3
R .E. 33—Economy of Railway Location..... 4
C. E. 76—General Surveying..... 2
C. E. 82—Reinforced Concrete Design 4
C. E. 88—Steel Biulding Design..... 3
C. E. 92—Concrete Bridges and Culverts..... 2
C. E. 94—Highway Administration..... 3
C. E. 96—Road Laboratory..... 2
C. E. 98—Thesis[1].....2 or 3
Chem. 73—Asphalts, Tar, etc..... 2
E. E. 4—Electrical Engineering..... 2
E. E. 64—Electrical Engineering Laboratory..... 1
Min. 1—Earth and Rock Excavation..... 3
M. & S. E. 3—Sewerage..... 3
M. & S. E. 9—Hydraulic Design and Construction..... 2
R. E. 31—Railway Yards and Terminals..... 3

Curriculum in Electrical Engineering as Taught in 1916-17

FIRST YEAR FOR THE CLASS OF 1920

FIRST SEMESTER	Hours[2]	SECOND SEMESTER	Hours[2]
Chem. 1a[3] or 1b—Inorganic Chemistry	3 or 4	Chem. 4—Qualitative Analysis	4
G. E. D. 1—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	Engineering lecture	0
Engineering lecture	0	Phys. Tr. 2—Gymnasium	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 1—Drill Regulations	1
Mil. 2a—Military Drill	1	Mil. 2d—Military Drill	1
Total	17 or 18	Total	19

Summer Reading, 50 points

SECOND YEAR FOR THE CLASS OF 1919

Language	4	Language	4
Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3
M. E. 75 and 77—Forge and Foundry, or M. E. 79—Pattern Work	3	M. E. 75 and 77—Forge and Foundry, or M. E. 79—Pattern Work	3
Phys. 1a—Physics Lectures	3	Phys. 1b—Physics Lectures	2
Phys. 3a—Physics Laboratory	2	Phys. 3b—Physics Laboratory	2
Mil. 2c—Military Drill	1	T. & A. M. 20—Analytical Mechanics	3
		Mil. 2d—Military Drill	1
Total	18	Total	18

Summer Reading, 50 points

THIRD YEAR FOR THE CLASS OF 1918

Chem. 4—Qualitative Analysis	4	E. E. 26—Alternating Currents	4
E. E. 25—Direct Current Apparatus	4	E. E. 76—Electrical Engineering Laboratory	2
E. E. 75—Electrical Engineering Laboratory	2	M. E. 2—Steam Engineering	3
Math. 9a—Integral Calculus	2	Non-technical elective[4]	3
Phys. 4a—Electrical and Magnetic Measurement	2	Phys. 4b—Electrical and Magnetic Measurement	2
T. A. M. 25—Resistance of Materials	4	T. & A. M. 26—Analytical Mechanics and Hydraulics	4
Total	18	Total	18

FOURTH YEAR FOR THE CLASS OF 1917

E. E. 35—Alternating Current Apparatus	4	E. E. 36—Alternating Current Apparatus	4
E. E. 55—Electrical Design	2	E. E. 56—Electrical Design	4
E. E. 85—Electrical Engineering Laboratory	2	E. E. 86—Electrical Engineering Laboratory	2
E. E. 95—Seminar	1	E. E. 96—Seminar	1
M. E. 11—Thermodynamics	3	E. E. 98—Thesis[1] or elective	3
M. E. 61—Power Measurement	2	Non-technical elective[4]	3
E. E. 99—Inspection Trip	0		
Non-technical elective[4]	3		
Total	17	Total	17

[1] Only students having high grades may elect a thesis.
[2] Semester hours. For definition see page 247.
[3] The numbers refer to courses in the Description of Courses, page 247.
[4] Any approved non-technical elective. See page 151.

Curriculum in Mechanical Engineering as Taught in 1916-17

FIRST YEAR FOR THE CLASS OF 1920

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Chem. 1a[2] or 1b—Inorganic Chemistry	3 or 4	Chem. 4—Qualitative Analysis	4
G. E. D. 1—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	Engineering lecture	0
Engineering lecture	0	Phys. Tr. 2—Gymnasium	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 1—Drill Regulations	1
Mil. 2a—Military Drill	1	Mil. 2b—Military Drill	1
Total	17 or 18	Total	19

Summer Reading, 50 points

SECOND YEAR FOR THE CLASS OF 1919

Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3
M. E. 75 and 77—Forge and Foundry, or M. E. 79—Pattern Work	3	M. E. 75 and 77—Forge and Foundry, or M. E. 79—Pattern Work	3
Phys. 1a—Physics Lectures	3	Phys. 1b—Physics Lectures	2
Phys. 3a—Physics Laboratory	2	Phys. 3b—Physics Laboratory	2
Language	4	T. & A. M. 20—Analytical Mechanics	3
Mil. 2c—Military Drill	1	Language	4
		Mil. 2d—Military Drill	1
Total	18	Total	18

Summer Reading, 50 points

THIRD YEAR FOR THE CLASS OF 1918

M. E. 3—Steam Engineering	3	M. E. 12—Thermodynamics	5
M. E. 81—Machine Work	3	M. E. 30—Mechanics of Machinery	5
Math. 9a—Integral Mechanics	2	M. E. 64—Power Measurement	3
T. & A. M. 21—Analytical Mechanics	2	M. E. 82—Machine Work	2
T. & A. M. 29—Resistance of Materials	5	Non-technical elective[3]	3
Non-technical elective[3]	3		
Total	18	Total	18

FOURTH YEAR FOR THE CLASS OF 1917

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. 15—Gas Power Engineering or M. E. 37—Principles of Management	3	M. E. 26—Heating and Ventilation	3
M. E. 43—Engineering Design	5	M. E. 32—Power Transmission	3
M. E. 65—Power Laboratory	3	M. E. 44—Engineering Design or M. E. 66—Power Laboratory	2
E. E. 99—Inspection Trip	0	M. E. 52—Power Plant Design	3
Non-technical elective[3]	3		
Total	18	Total	15

Curriculum in Mining Engineering as Taught in 1916-17

FIRST YEAR FOR THE CLASS OF 1920

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Chem. 1a[2] or 1b—Inorganic Chemistry	3 or 4	Chem. 4—Qualitative Analysis	4
G. E. D. 1—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	Engineering lecture	0
Engineering lecture	0	Phys. Tr. 2—Gymnasium	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 1—Drill Regulations	1
Mil. 2a—Military Drill	1	Mil. 2b—Military Drill	1
Total	17 or 18	Total	19

Summer Reading, 50 points

[1] Semester hours. For definition see page 247.
[2] The numbers refer to courses in the Description of Courses, page 247.
[3] Any approved non-technical course. See page 151.

SECOND YEAR FOR THE CLASS OF 1919

FIRST SEMESTER		SECOND SEMESTER	
Geol. 13a—Engineering Geology	3	Geol. 13b—Engineering Geology	3
Language	4	Language	4
Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3
Phys. 1a—Physics Lectures	3	Phys. 1b—Physics Lectures	2
Phys. 3a—Physics Laboratory	2	Phys. 3b—Physics Laboratory	2
Mil. 2c—Military Drill	1	T. & A. M. 20—Analytical Mechanics	3
		Mil. 2d—Military Drill	1
Total	18	Total	18

Summer Reading, 50 points

THIRD YEAR FOR THE CLASS OF 1918

Chem. 5d—Quantitative Analysis	4	C. E. 58—Graphic Statics	2
C. E. 35—Surveying	3	E. E. 4—Elementary Electrical Engineering	2
M. E. 1—Steam Engineering	3	E. E. 64—Electrical Engineering Laboratory	1
T. & A. M. 25—Resistance of Materials	4	Min. 4—Mining Methods[1]	3
Min. 1—Earth and Rock Excavation[1]	3	Min. 6—Mechanical Engineering of Mines[1]	2
		T. & A. M. 26—Analytical Mechanics and Hydraulics	4
		Non-technical elective[2]	3
Total	17	Total	17

FOURTH YEAR FOR THE CLASS OF 1917

I. Coal Mining Option

Chem. 7—Metallurgy	3	Min. 8—Mine Law, Administration, and Accounts	3
Chem. 65—Technical Gas and Fuel Analysis	2	Min. 13—Utilization of Coal	2
Min. 5—Mine Ventilation	3	Min. 42—Coal Plant Design	2
Min. 9—Coal and Ore Preparation	3	Min. 62—Mine Surveying	3
Min. 41—Principles of Coal Plant Design	3	Min. 64—Coal Mine Laboratory	3
Min. 99—Inspection Trip	0	Min. 68—Mine Topography	1
Non-technical elective[2]	3	Min. 90—Journal Meeting	1
		Non-technical elective[2]	3
Total	17	Total	18

II. Ore Mining Option

Chem. 7—Metallurgy	3	Geol. 2—Economic Geology	3
Chem. 69—Metallurgical Laboratory and Assaying	2	Min. 8—Mine Law, Administration, and Accounts	3
Min. 15—Principles of Mine Ventilation	1	Min. 44—Ore Plant Design	2
Min. 19—Ore and Coal Preparation	3	Min. 62—Mine Surveying	3
Min. 21—Mine Examination and Valuation	2	Min. 66—Ore Concentration Laboratory	3
Min. 43—Principles of Ore Plant Design	3	Min. 90—Journal Meeting	1
Min. 99—Inspection Trip	0	Non-technical elective[2]	3
Non-technical elective[2]	3		
Total	17	Total	18

III. Metallurgical Option

Chem. 7—Metallurgy	3	Chem. 7a—Non-ferrous Metallurgy	3
Chem. 65—Technical Gas and Fuel Analysis	2	Chem. 78—Metallography	2
Chem. 69—Metallurgical Laboratory and Assaying	2	Min. 8—Administration and Accounts	2
Min. 17—Problems	1	Min. 46—Mill and Smelter Design	2
Min. 19—Ore and Coal Preparation	3	Min. 66—Ore Concentration Laboratory	3
Min. 45—Mill and Smelter Design	3	Min. 90—Journal Meeting	1
Min. 99—Inspection trip	0	Min. 13—Utilization of Fuels	2
Non-technical elective[2]	3	Non-technical elective[2]	3
Total	17	Total	18

[1]Students in Metallurgical Option take *First Semester:* Chemistry 7—General Metallurgy, instead of Min. 1; *Second Semester:* Chemistry 5b,—advanced Quantitative Analysis instead of Mining 4 and Mining 6.

[2]Any approved non-technical course. See page 151.

Curriculum in Municipal and Sanitary Engineering as Taught in 1916-17

FIRST YEAR FOR THE CLASS OF 1920

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Chem. 1a[2] or 1b—Inorganic Chemistry	3 or 4	Chem. 4—Qualitative Analysis	4
G. E. D. 1—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	Engineering lecture	0
Engineering lecture	0	Phys. Tr. 2—Gymnasium	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 1—Drill Regulations	1
Mil. 2a—Military Drill	1	Mil. 2b—Military Drill	1
Total	17 or 18	Total	19

Summer Reading, 50 points

SECOND YEAR FOR THE CLASS OF 1919

C. E. 27—Plane Surveying	3	C. E. 28—Higher Surveying	3
Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3
Phys. 1a—Physics Lectures	3	Phys. 1b—Physics Lectures	2
Phys. 3a—Physics Laboratory	2	Phys. 3b—Physics Laboratory	2
Language	4	T. & A. M. 20—Analytical Mechanics	3
Mil. 2c—Military Drill	1	Language	4
		Mil. 2d—Military Drill	1
Total	18	Total	18

Summer Reading, 50 points

THIRD YEAR FOR THE CLASS OF 1918

Botany 6—Bacteriology	2½	C. E. 62—Structural Details	2
Chem. 10b—Water Analysis	2½	C. E. 60—Structural Stresses	4
C. E. 53—Railroad Surveying	3	C. E. 52—Roads and Pavements	3
T. & A. M. 21—Analytical Mechanics	2	M. E. 2—Steam Engineering	3
T. & A. M. 29—Resistance of Materials	5	T. & A. M. 10—Hydraulics	3
Non-technical elective[3]	2	Non-technical elective[3]	3
Total	17	Total	18

FOURTH YEAR FOR THE CLASS OF 1917

C. E. 77—Masonry Construction	4	C. E. 62—Structural Details	2
C. E. 79—Cement Laboratory	1	C. E. 80—Contracts and Specifications	2
C. E. 81—Reinforced Concrete	2	E. E. 4—Elementary Electrical Engineering	2
M. E. 61—Steam Laboratory	2	E. E. 64—Electrical Engineering Laboratory	1
M. & S. E. 2—Water Supply Engineering	4	M. & S. E. 3—Sewerage	3
M. & S. E. 6a—Water Purification and Sewage Disposal	3	M. & S. E. 6b—Water Purification and Sewage Disposal	2
M. & S. E. 99—Inspection Trip	0	M. & S. E. 9—Hydraulic Design and Construction	2
Non-technical elective[3]	2	M. & S. E. 98—Thesis or approved elective	3
Total	18	Total	17

Curriculum in Railway Civil Engineering as Taught in 1916-17

FIRST YEAR FOR THE CLASS OF 1920

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Chem. 1a[2] or 1b—Inorganic Chemistry	3 or 4	Chem. 4—Qualitative Analysis	4
G. E. D. 1—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. Tr. 2—Gymnasium	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 1—Drill Regulations	1
Mil. 2a—Military Drill	1	Mil. 2b—Military Drill	1
Engineering lecture	0	Engineering lecture	0
Total	17 or 18	Total	19

Summer Reading, 50 points

[1] Semester hours. For definition see page 247.
[2] The numbers refer to courses in the Description of Courses, page 247.
[3] Any approved non-technical course. See page 151.

SECOND YEAR FOR THE CLASS OF 1919

C. E. 27—Plane Surveying	3	C. E. 28—Higher Surveying	3
Language	4	Language	4
Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3
Phys. 1a—Physics Lectures	3	Phys. 1b—Physics Lectures	2
Phys. 3a—Physics Laboratory	2	Phys. 3b—Physics Laboratory	2
Mil. 2c—Military Drill	1	T. & A. M. 20—Analytical Mechanics	3
		Mil. 2d—Military Drill	1
Total	18	Total	18

Summer Reading, 50 points

THIRD YEAR FOR THE CLASS OF 1918

C. E. 51—Railroad Surveying	5	C. E. 60—Structural Stresses	4
R. E. 25—Railway Development	3	R. E. 31—Railway Yards and Terminals	3
T. & A. M. 21—Analytical Mechanics	2	R. E. 34—Railway Maintenance	4
T. & A. M. 29—Resistance of Materials	5	T. & A. M. 10—Hydraulics	3
Non-technical elective[1]	3	Non-technical elective	3
Total	18	Total	17

FOURTH YEAR FOR THE CLASS OF 1917

C. E. 77—Masonry Construction	4	C. E. 80—Engineering Construction and Specifications	2
C. E. 79—Cement Laboratory	1	E. E. 4—Elementary Electrical Engineering	2
C. E. 81—Reinforced Concrete Theory	2	E. E. 64—Electrical Engineering Laboratory	1
C. E. 83—Bridge Design	3	R. E. 30—Thesis	3
M. E. 11—Steam Engines and Boilers	3	R. E. 33—Railway Location	4
R. E. 32—Railway Construction	3	R. E. 51—Seminar	1
R. E. 35—Railway Signaling	1	Non-technical elective[1]	3
R. E. 50—Seminar	1		
R. E. 99—Inspection Trip	0		
Total	18	Total	16

Curriculum in Railway Electrical Engineering as Taught in 1916-17

FIRST YEAR FOR THE CLASS OF 1920

FIRST SEMESTER	Hours[2]	SECOND SEMESTER	Hours[2]
Chem. 1a[3] or 1b—Inorganic Chemistry	3 or 4	Chem. 4—Qualitative Analysis	4
G. E. D. 1—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—Rhetoric and Themes	3	Phys. Tr. 2—Gymnasium	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 1—Drill Regulations	1
Mil. 2a—Military Drill	1	Mil. 2b—Military Drill	1
Engineering lecture	0	Engineering lecture	0
Total	17 or 18	Total	19

Summer Reading, 50 points

SECOND YEAR FOR THE CLASS OF 1919

Language	4	Language	4
Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3
M. E. 75—Forge Work	1	M. E. 79—Pattern Work	3
M. E. 77—Foundry Work	2	Phys. 1b—Physics Lectures	2
Phys. 1a—Physics Lectures	3	Phys. 3b—Physics Laboratory	2
Phys. 3a—Physics Laboratory	2	T. & A. M. 20—Analytical Mechanics	3
Mil. 2c—Military Drill	1	Mil. 2d—Military Drill	1
Total	18	Total	18

Summer Reading, 50 points

THIRD YEAR FOR THE CLASS OF 1918

E. E. 25—Direct Current Apparatus	4	E. E. 26—Alternating Current	4
E. E. 75—Electrical Engineering Laboratory	2	E. E. 76—Electrical Engineering Laboratory	2
M. E. 81—Machine Work	3	M. E. 2—Steam Engineering	3
Phys. 4a—Electrical and Magnetic Measurements	2	Phys. 4b—Electrical and Magnetic Measurements	2
R. E. 25—Railway Development	3	R. E. 60—Electric Railway Principles	2
T. & A. M. 25—Resistance of Materials	4	T. & A. M. 36—Analytical Mechanics	2
		Non-technical elective[1]	3
Total	18	Total	18

[1] Any approved non-technical course. See page 151.
[2] Semester hours. For definition see page 247.
[3] The numbers refer to courses in the Description of Courses, page 247.

FOURTH YEAR FOR THE CLASS OF 1917

M. E. 11—Thermodynamics	3	E. E. 56—Electrical Design	4
M. E. 61—Power Measurement	2	R. E. 63—Electric Railway Laboratory	2
R. E. 62—Electric Railway Laboratory	2	R. E. 65—Electric Railway Economics	4
R. E. 64—Electric Railway Practise	3	R. E. 98—Thesis[1] or elective	3
R. E. 66—Electric Railway Machinery	3	Non-technical elective[2]	3
R. E. 67—Seminar	1		
R. E. 99—Inspection Trip	0		
Non-technical elective[2]	3		
Total	17	Total	16

Curriculum in Railway Mechanical Engineering as Taught in 1916-17

FIRST YEAR FOR THE CLASS OF 1920

FIRST SEMESTER	Hours[3]	SECOND SEMESTER	Hours[3]
Chem. 1b[4] or 1a—Inorganic Chemistry	3 or 4	Chem. 4—Advanced Chemistry	4
G. E. D. 1—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. Tr. 2—Gymnasium	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 1—Drill Regulations	1
Mil. 2a—Military Drill	1	Mil. 2b—Military Drill	1
Engineering lecture	0	Engineering lecture	0
Total	17 or 18	Total	19

Summer Reading, 50 points

SECOND YEAR FOR THE CLASS OF 1919

Language	4	Language	4
Math. 7—Differential Calculus	5	Math. 9—Integral Calculus	3
M. E. 79—Pattern Work	3	M. E. 75—Forge Work	1
Phys. 1a—Physics Lectures	3	M. E. 77—Foundry Work	2
Phys. 3a—Physics Laboratory	2	Phys. 1b—Physics Lectures	2
Mil. 2c—Military Drill	1	Phys. 3b—Physics Laboratory	2
		T. & A. M. 20—Analytical Mechanics	3
		Mil. 2d—Military Drill	1
Total	18	Total	18

Summer Reading, 50 points

THIRD YEAR FOR THE CLASS OF 1918

Math. 9a—Integral Calculus	2	M. E. 12—Thermodynamics	5
R. E. 25—Railway Development	3	M. E. 64—Power Measurement	3
T. & A. M. 25—Resistance of Materials	4	R. E. 6—Locomotives	4
T. & A. M. 27—Analytical Mechanics	3	M. E. 82—Machine Work	4
Non-technical elective[2]	3	Non-technical elective[2]	3
Total	15	Total	19

FOURTH YEAR FOR THE CLASS OF 1917

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. 37—Principles of Management	3	R. E. 7—Advanced Design	3
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	R. E. 98—Thesis[1] or elective	3
R. E. 99—Inspection Trip	0	Non-technical elective[2]	2
Non-technical elective[2]	3		
Total	17	Total	17

[1] Only students having high grades may elect a thesis.
[2] Any approved non-technical course. See page 151.
[3] Semester hours. For definition see page 247.
[4] The numbers refer to courses in the Description of Courses, page 247.

THE COLLEGE OF AGRICULTURE

For the *buildings* used by this College, see page 54; for a list of its *curriculums*, page 64; for *clubs auxiliary to its curriculums*, page 102; for *honors*, page 87; for *honorary societies*, page 101; for *fees* and *expenses*, page 110.

GENERAL STATEMENT

This College offers curriculums to both men and women. The curriculums offered are designed for four distinct 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 household science have two purposes in view:

First, and mainly, to train young women in the science and art 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 ninety 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 66-84.

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 HOUSEHOLD SCIENCE

For detailed information concerning scholarships in agriculture and household science, see page 105.

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 whenever 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 IV.)

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, as drainage, farm machinery, field crops; the chemistry, physics, and bacteriology 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 and 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 the general courses 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; the principles and practise of feeding, breeding, and marketing; and the chemical and physiological phases 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 Shorthorn, Hereford, and Aberdeen Angus cattle; Poland-China, Berkshire, Duroc Jersey, Chester White, Tamworth, Large Yorkshire, and Hampshire swine; Shropshire, Oxford, Southdown, Hampshire, Rambouillet, and Dorset sheep; and Percheron, Standard-bred, Shire, Belgian, 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 new stock pavilion offers opportunity for show and judging work. (For detailed description, see page 55). 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 registers, 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, with the appliances necessary for individual and collective feeding tests; brick-paved feed lots and open sheds, in which steers may be fed in carload lots; a feed storage barn, with various forms of grinding mills and other machinery for the preparation of feed; and various kinds of harness, vehicles, and other appliances for the training of horses. The department also maintains a cold-storage room and other equipment for demonstrations in the cutting and handling of meats; a collection of wool samples, and microscopes for the study of wool. The chemistry and physiology laboratories of the department afford facilities for advanced work in animal nutrition.

DAIRY HUSBANDRY

The department of dairy husbandry furnishes instruction in the production and care of milk and in the manufacture of dairy products.

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 100 milch cows, bulls, and young stock, including 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 bulk condensed milk; and facilities for the distribution of milk on the University milk route.

HORTICULTURE

The department of horticulture offers fifty-six 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 various 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 five 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 also a collection of representative drawings and blue-prints from the offices of practising landscape architects.

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 1,500 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.

HOUSEHOLD SCIENCE

The courses given in this department are planned to meet the needs of two classes of students, viz: (a) those specializing in other lines of work, but desiring a knowledge of the general principles and facts of household science; (b) those who wish to specialize in household science.

The department is housed in the north wing of the Woman's Building. The kitchen for extension work, with dining room adjoining, is in the basement. 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, chemical 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 additional sewing rooms, 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.

REQUIREMENTS FOR GRADUATION

Students who have satisfied all matriculation requirements and have maintained throughout their course a satisfactory record of scholarship and moral character will be graduated with the degree of Bachelor of Science, upon having completed 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 before the senior year may then elect a thesis course in any department in which he has done not less than 20 hours' work, subject to the approval of the head of the department in question.

Graduates of approved colleges may expect to secure a degree in agriculture from the University of Illinois upon completion of the technical and scientific requirements. This will ordinarily require two years of residence work; a minimum of one year will be exacted.

GENERAL CURRICULUM IN AGRICULTURE

All students except those in the special curriculums in household science, 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 practises 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	19 hours	
Agriculture prescribed as electives	40 hours	
Total agriculture required		59 hours
Non-agriculture prescribed	42 hours	
Non-agriculture prescribed as electives	15 hours	
Total non-agriculture required		57 hours
Open electives		14 hours
		130 hours

Prescribed Subjects

Required for the Degree of Bachelor of Science in the General Curriculum in Agriculture

FIRST YEAR

FIRST SEMESTER	Hours[1]
Ag. Ext. 4—Country Life Problems	1
Agron. 25—Farm Crops	4
Chem. 1 or 1a—Inorganic Chemistry	5 or 3
Hort. 1a—Elements of Horticulture	2
Rhet. 1[2]—Rhetoric and Themes	3
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1
Mil. 2a—Military Drill	1
Electives	0–3
Total	18 or 15

SECOND SEMESTER	Hours[1]
A. H. 5—Live Stock Judging	3
Chem. 2a—Inorganic Chemistry and Qualitative Analysis	5
D. H. 3—Elements of Dairy Husbandry	1
Hort. 1b—Elements of Horticulture	2
Rhet. 2—Rhetoric and Themes	3
Phys. Tr. 2—Gymnasium	1
Mil. 1—Drill Regulations	1
Mil. 2—Military Drill	1
Electives	1
Total	18

SECOND YEAR

A. H. 8 and 21—Principles of Breeding and Feeding	3
and	
Botany 1—General Botany	5
or	
Agronomy 26—Elementary Farm Mechanics	3
and	
Chemistry 13a—Elementary Quantitative Analysis	5
Mil. 2c—Military Drill	1
Electives	6–9
Total	15–18

A. H. 8 and 21—Principles of Breeding and Feeding	3
and	
Botany 1—General Botany	5
or	
Agronomy 26—Elementary Farm Mechanics	3
and	
Chemistry 13a—Elementary Quantitative Analysis	5
Military 2d—Military Drill	1
Elective	6–9
Total	15–18

In addition to the above, students will take the following:

Agriculture, electives	40 hours
Non-agriculture, electives	15 hours
English 20	4 hours
Science, elective	5 hours
Open electives	14 hours

CURRICULUM IN FARM ORGANIZATION AND MANAGEMENT

FIRST YEAR

FIRST SEMESTER *Prescribed Subjects*	Hours[1]
Agron. 25—Farm Crops	4
Ag. Ext. 4—Country Life Problems	1
Chem. 1 or 1a—Inorganic Chemistry	5 or 3
Hort. 1a—Elements of Horticulture	2
Rhet. 1[2]—Rhetoric and Themes	3
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1
Mil. 2a—Military Drill	1
Total	17–15

SECOND SEMESTER *Prescribed Subjects*	Hours[1]
A. H. 5—Live Stock Judging	3
Chem. 2a—Inorganic Chemistry and Qualitative Analysis	5
D. H. 3—Elements of Dairy Husbandry	1
Hort. 1b—Elements of Horticulture	2
Rhet. 2—Rhetoric and Themes	3
Phys. Tr. 2—Gymnasium	1
Mil. 1—Drill Regulations	1
Mil. 2b—Military Drill	1
Total	17

SECOND YEAR

Prescribed Subjects	
A. H. 8 and 21—Principles of Breeding and Feeding	3
Mil. 2c—Military Drill	1

Prescribed Subjects	
Agron. 26—Elementary Farm Mechanics	3
Mil. 2d—Military Drill	1

In addition to the above courses the following are also prescribed:

Accountancy 11	3 hours
Economics 2 or 1	3 or 5 hours
Economics 16c	3 hours
Economics 22	3 hours
Economics 26	3 hours
Business Law 2	3 hours
Elective economics, minimum of	6 hours

[1] Semester hours. For definition see page 247.

[2] Those students who show by examination a proficiency in composition sufficient to qualify them for Rhetoric 2 may be excused from Rhetoric 1. See page 72.

Farm Management 1	3 hours
English 20	4 hours
Philosophy 1	3 hours
Elective science, minimum of	15 hours
Elective agriculture, minimum of	28 hours
Open electives	11 or 9 hours
Total prescribed	130 hours

To avoid conflicts with other prescribed work it is suggested that the courses in economics, accountancy, and farm management be taken in the following order:

	SECOND YEAR		
Economics 26	3	Economics 2	3
		Economics 22	3
	THIRD YEAR		
Accountancy 11	3	Economics 14	2
		Economics 16c	3
		Farm Management 1	3
	FOURTH YEAR		
Economics 15	2	Business Law 2	3
		Economics 17	2

CURRICULUM 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 greenhouses and gardens and give the students a working knowledge of the best methods now in use.

FIRST YEAR

FIRST SEMESTER		SECOND SEMESTER	
Prescribed Subjects	Hours[1]	*Prescribed Subjects*	Hours[1]
Chem. 1 or 1a—Inorganic Chemistry	5 or 3	Chem. 2a—Inorganic Chemistry and Qualitative Analysis	5
Ent. 4—Economic Entomology	3	Hort. 5—Plant Propagation	5
Hort. 4—Plant Houses	4	Rhet. 2—Rhetoric and Themes	3
Rhet. 1[2]—Rhetoric and Themes	3	Phys. Tr. 2—Gymnasium	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Mil. 1—Drill Regulations	1
Mil. 2a—Military Drill	1	Mil. 2b—Military Drill	1
Total	17 or 15	Total	16

SECOND YEAR

Bot. 1—General Botany	5	Agron. 9—Soil Physics	5
Eng. 20—Chief English Writers	4	Hort. 15a—Principles of Plant Growing	5
Mil. 2c—Military Drill	1	Mil. 2d—Military Drill	1
Total	10	Total	11

THIRD YEAR

Bot. 7a—Plant Pathology	5	Bot. 27a—Plant Physiology	5
Econ. 2—Principles of Economics	3	Hort. 7—Spraying	3
Hort. 15b—Commercial Crops	5	Hort. 24a—Trees and Shrubs	3
Total	13	Total	11

FOURTH YEAR

Hort. 31—Garden Flowers	3	Hort. 30—Decorative Plants	5
Hort. 24b—Trees and Shrubs	3	Hort. 42—Landscape Design	3
		Hort. 32—Floral Decoration	4
Total	6	Total	12
Suggested Electives		*Suggested Electives*	
Accountancy		Agron. 12—Soil Fertility	5
Chem. 13a—Elementary Qualitative Analysis	5	A. H. 30—Genetics	5
Economics		Bot. 3a—Plant Anatomy	5
Hort. 28—Exotics	1	Bot. 4a—Taxonomy of Cormophytes	5
		Botany 7b—Methods of Study of Fungi	5
		Hort. 43—Nutrition of Greenhouse Crops	5

[1] Semester hours. For definition see page 247.

[2] Those students who show by examination a proficiency in composition sufficient to qualify them for Rhetoric 2 may be excused from Rhetoric 1. See page 72.

CURRICULUM IN HOUSEHOLD SCIENCE

Of the 130 hours required for graduation, 91 are provided for in the prescribed list and the restricted electives of List A. The other 39 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 household science 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.

PRESCRIBED SUBJECTS

Required for the Degree of Bachelor of Science in Household Science

Art and Design 1, 12, 19, 20	9 hours
Bacteriology 5	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
Household Science 1, 2, 3, 5, 6, 7, 12, 13, 19	23 hours
History 1a-1b or 3a-3b	6 or 8 hours
Physiology 4a or 4b	5 hours
Physical Training 7a-7b, 9	3 hours
Rhetoric 1, 2	6 hours
English or Rhetoric	5 hours
List A, a minimum of[1]	4 hours
Total required subjects	90 to 94 hours
Electives	40 to 36 hours
Total	130 hours

ELECTIVES

List A—English 21, 22, 23, 24
Horticulture 1a, 1b, 2, 3, 5, 19, 28, 10a
Household Science 11, 14, 17, 18
Economics 22, 26
Sociology 1
Physics 7a, 8a
Education 1, 6, 10
Agronomy 7, 9, 12, 25, 26
Animal Husbandry 10, 5
Dairy Husbandry 1, 3, 19, 11, 4
Agricultural Extension 1, 3, 4

Suggested Curriculum

FIRST YEAR

FIRST SEMESTER	Hours[2]	SECOND SEMESTER	Hours[2]
A. & D. 1—Freehand Drawing	3	Chem. 2a—Inorg. Chem. and Qual. Anal.	5
Chem. 1 or 1a[3]—Inorganic Chemistry	5 or 3	H. Sci. 1[4]—Sel. and Prep. of Food	3
H. Sci. 2—Home Arch. and Sanitation	2	H. Sci. 7—Textiles	2
Rhet. 1—Rhetoric and Themes	3	Lib. 12—General Reference	2
P. T. 7—Gymnasium Practise	1	Rhet. 2—Rhetoric and Themes	3
P. T. 9—Hygiene	1	P. T. 7—Gymnasium	1
Total	15 or 13	Total	16

SECOND YEAR

Bot. 1 or Zool. 1	5	A. & D. 12—Applied Design	2
Econ. 26—Economic Resources	3	Econ. 22—Econ. Hist. of U. S.	3
Eng. 1—Survey of Eng. Lit.	5	Eng. 2—Survey of Eng. Lit.	4
H. Sci. 6—Econ. Uses of Food	3	Physiol. 4—General Physiology	5
Hort. 19—Amateur Floriculture	3	Electives	
Total	19	Total	14

[1] If physics has not been offered for entrance, its equivalent should be elected.
[2] Semester hours. For definition see page 247.
[3] If Chemistry 1a is taken, a 2-hour elective must be added with the approval of the adviser.
[4] Attention is called to the fact that high school physics is a prerequisite for Household Science 1.

THIRD YEAR

A. & D. 19—History of Fine Arts	2	A. & D. 20—History of Fine Arts	2
Eng. 23—Intro. to Shakespeare	3	Bact. 5—Intro. to Bacteriology	5
Hist. 1a or Hist. 3a	4 or 3	Econ. 2—Principles of Economics	3
H. Sci. 5—Dietetics	3	H. Sci. 3—Home Decoration	2
H. Sci. 19—Dress Design	3	H. Sci. 12—Clothing	2
Pub. Sp. 1—Oral Expression	2	Hist. 1b or Hist. 3b	4 or 3
Electives			
Total	17 or 16	Total	18 or 17

FOURTH YEAR

Educ. 1—Introduction to Education	4	Educ. 10—Technics of Teaching	3
H. Sci. 13—Hist. of Home Economics	2	H. Sci. 10—Home Management	2
Sociol. 1—Principles of Sociology	3	H. Sci. 11—Teachers' Course	3
Electives		H. Sci. 17—Study of Textiles	3
		Electives	
Total	9	Total	11

CURRICULUM IN LANDSCAPE GARDENING

FIRST YEAR

FIRST SEMESTER

Prescribed Subjects

	Hours[1]
Arch. 31—Drawing	4
Bot. 1—Introductory Course	5
Hort. 10a—Rural Improvement	2
Math. 4—Trigonometry	2
Rhet. 1—Rhetoric and Themes	3
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1
Mil. 2a—Military Drill	1
Total	18

SECOND SEMESTER

Prescribed Subjects

	Hours[1]
Arch. 32—Architectural Drawing	4
Hort. 5—Plant Propagation	5
Hort. 10b—Town Improvement	2
Rhet. 2—Rhetoric and Themes	3
Phys. Tr. 2—Gymnasium	1
Mil. 1—Drill Regulations	1
Mil. 2b—Military Drill	1
Total	17

SECOND YEAR

Prescribed Subjects		*Prescribed Subjects*	
Bot. 4d—Taxonomy	3	C. E. 32—Surveying	3
C. E. 31—Surveying	3	Hort. 21b—Landscape Design	4
Hort. 21a—Landscape Design	4	Hort. 24a—Trees and Shrubs	3
Hort. 31—Garden Flowers	3	Mil. 2d—Military Drill	1
Mil. 2c—Military Drill	1		
Total	14	Total	11
Electives		*Electives*	
A. & D. 12—Theory and Practise	2	Arch. 14—History of Architecture	2
Arch. 13—History of Architecture	2	Ent. 4b—Introductory Economic Entomology	3
		Geol. 12—Geology of Soils	5
		Hort. 2—Small Fruits	2
		Zool. 16—Field Ornithology	2

THIRD YEAR

Prescribed Subjects		*Prescribed Subjects*	
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
		Hort. 36—Landscape Reading	2
		Hort. 41—Civic Design (Elementary Course)	1
Total	10	Total	13
Electives		*Electives*	
Arch. 15—History of Architecture	2	Arch. 16—History of Architecture	2
A. & D. 13—History and Practise	2	A. & D. 8—Modeling	2
Econ. 2—Principles of Economics	2	Bot. 20—Plant Diseases	3
Hort. 8—Fruit Culture	5	Hort. 7—Spraying	3
Hort. 29a—Garden Design	3	Hort. 9—Forestry	2
Pol. Sci. 1—American Government	3	Hort. 29b—Garden Design	3
Sociol. 1—Principles of Sociology	3	Rhet. 17—Advanced Composition	3
		Sociol. 7—The Rural Cummunity	2

[1]Semester hours. For definition see page 247.

FOURTH YEAR

Prescribed Subjects		*Prescribed Subjects*	
C. E. 55—Roads and Pavements	2	Hort. 25b—Landscape Design	5
Hort. 25a—Landscape Design	5	Hort. 28—Exotics	1
Hort. 26b—Planting Design	3	Hort. 37b—Civic Design	3
Hort. 37a—Civic Design	3	Hort. 38—Office Practise	2
Total	13	Total	11

Electives		*Electives*	
A. & D. 4—Water Color	2	Hort. 15—Plant Growing	5
Hort. 40a—Trees and Shrubs (Advanced Course)	3	Hort. 40b—Trees and Shrubs (Adv. Course)	3
Pol. Sci. 4—Municipal Government	3		
Sociol. 10—Population	3		

General Electives

Hort. 19—Amateur Floriculture	3	Chem. 1 or 1a—Inorganic Chemistry	5 or 3
Hort. 39[1]—Special Lectures	1-8	Modern language	8
Zool. 1—General Zoology	2	Physics	10

CURRICULUM FOR PROSPECTIVE TEACHERS OF AGRICULTURE

A curriculum is offered for prospective teachers of agriculture. Among the subjects recommended are the following:

Agronomy 2, 9, 12, 25, 26; Animal Husbandry 1a, 2a, 4a, 5, 6, 11a, 11b, 30;[2] Dairy Husbandry 2, 3; Horticulture 1a, 1b, 3, 5, 10a, 19; Agricultural Extension 1, 4-5; Botany 1, 3b; Chemistry 1, 2, 3, 13a; Entomology 4a-4b; Zoology 1; English 20; Rhetoric 1-2, 19; Public Speaking 5-6; Economics 2; Education 1, 6; Library Science 12; Military 1, 2; Physical Training 1, 2, 1a; Foreign language.

For further information concerning this curriculum, address the Dean of the College of Agriculture.

TWO WEEKS' COURSE IN AGRICULTURE

The Corn Growers' and Stockmen's Convention is held annually at the College of Agriculture (not held in 1915 and 1916 on account of the foot and mouth disease). At the time of this meeting, the College 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 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.

THE SCHOOL FOR HOUSEKEEPERS

A two-weeks' course in household science consisting of lectures and recitation work is given in the rooms of the department of household science in the Woman's Building. (See University Extension, Home Economics, Part IV.)

Admission to Short Courses

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. Upon 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.

[1]Students taking the professional course are required to register in Horticulture 39 *each semester*.
[2]Students taking the Curriculum for Teachers may take Animal Husbandry 30 for one-half semester and receive 2½ credits therefor.

THE GRADUATE SCHOOL

THE EXECUTIVE FACULTY

EDMUND JANES JAMES, Ph.D., LL.D., PRESIDENT OF THE UNIVERSITY

DAVID KINLEY, Ph.D., LL.D., *Dean, Professor of Economics*
WILLIAM CHANDLER BAGLEY, Ph.D., *Professor of Education*
ALBERT PRUDEN CARMAN, A.M., D.Sc., *Professor of Physics*
JULIUS GOEBEL, Ph.D., *Professor of Germanic Languages*
GEORGE ALFRED GOODENOUGH, M.E., *Professor of Thermodynamics*
HARRY ALEXIS HARDING, Ph.D., *Professor of Dairy Bacteriology*
HARRIE STUART VEDDER JONES, Ph.D., *Assistant Professor of English*
LAURENCE MARCELLUS LARSON, Ph.D., *Professor of History*
HERBERT WINDSOR MUMFORD, B.S., *Professor of Animal Husbandry*
WILLIAM ABBOTT OLDFATHER, Ph.D., *Professor of the Classics*
ARTHUR NEWELL TALBOT, C.E., *Professor of Municipal and Sanitary Engineering*
EDGAR JEROME TOWNSEND, Ph.D., *Professor of Mathematics*
HENRY BALDWIN WARD, Ph.D., *Professor of Zoology*
EDWARD WIGHT WASHBURN, Ph.D., *Professor of Ceramic Chemistry*
CHARLES MAXWELL MCCONN, A.M., *Registrar, Secretary of the Faculty*

HISTORY AND ORGANIZATION

Altho for many years the University of Illinois had offered advanced students facilities for study and research in various lines, graduate work was undertaken under the name of the Graduate School for the first time 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 act 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 purposes of admission to the Graduate School a *standard college* is one which meets the following requirements:

a. The college shall require four years' work of collegiate grade for graduation, based upon an entrance requirement of at least fourteen standard high school units.

b. If conditioned students are admitted, they shall not be allowed to proceed beyond the sophomore year without removing their conditions.

c. The college shall maintain at least six departments in liberal arts and sciences, each having at least one professor in each department giving his entire time to the college work of his department.

d. The minimum educational attainment of college professors shall be equivalent to graduation from a college of high grade and graduate work equivalent at least to that required for a master's degree from the University of Illinois.

e. The college shall have a productive endowment sufficient to yield a net annual income of at least $10,000 available for instructional purposes in the college. If the institution offers courses in addition to the usual liberal arts course, it shall have a correspondingly larger annual income.

f. The college shall have a library and laboratory equipment sufficient to meet fully the needs of the courses announced.

g. In addition to the foregoing specific requirements, so far as possible the general standing of the college shall be considered, including: the character of its curriculum, the efficiency of its instruction, the number of hours of instruction required of the members of its faculty, the size of the classes, the general standards for graduation, its conservatism in granting degrees based upon work done *in absentia*, the success of its graduates in the Graduate School of this University and elsewhere, etc.

Unless otherwise specially permitted, a student enrolled in the Graduate School must take each semester at least one course accepted by the executive faculty for credit in a major or a minor subject.

Admission to particular graduate courses or departments 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, 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 Dean of the Graduate School or from the Registrar of the University. Every applicant must submit with his application for admission, an official transcript of his college record.

REGISTRATION AND PROGRAM OF STUDY

The following regulations concerning registration and program of studies are laid out primarily for first year students. Second and third year graduate students fill out their programs irrespective of 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.

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. But registration will not be permitted later in the year than April 1st, 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, however, 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 he will receive a card of admission and a study blank. He should fill out the study blank 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. His registration must be completed within two weeks. Otherwise it is subject to a fee of one dollar.

Registration of any student who was enrolled in the preceding semester will not be permitted after two weeks from the opening of class work for the current semester, except by vote of the faculty. Registration after this date is also subject to a fee of one dollar.

Changes in Study Lists

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 a rearrangement authorized on any one change slip shall not exceed two dollars.

Advisers

The person in charge of the major work of the student becomes his adviser, and, together with those with whom the student is taking first and second minor courses, forms a committee with general supervision over the student's general course of study. This committee is expected to follow the student's work and see that he is helped to lay out an intelligently planned course, and to give him such advice as may be necessary concerning his scholastic career.

Amount of Work

Each student is required to attend a minimum of four class, lecture, or laboratory exercises per week in the first year of his graduate study; and in no case is he permitted during his course to attend more than twelve per week.

Each first year student doing full work must take at least four unit courses, and may be required to take five. A unit course is one which requires ten hours of time per week through one semester, 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, of graduate grade, constitute the minimum formal year's work required for a master's degree. Five and ten are the maximum for one semester and the year respectively.

Therefore, registration for full work for the master's degree ordinarily provides for three unit courses, or their equivalent, per semester, in addition to a thesis,

the time devoted to the thesis being ordinarily reckoned as equivalent to that for one unit course, or ten hours of time a week, and may not exceed one-third of a full minimum program. If a student is excused from writing a thesis he must take four unit courses or their equivalent.

Undergraduate Courses Open to Graduate Students

Courses to which sophomores are regularly admitted may not be taken for graduate credit, either major or minor.

Unless otherwise specified by the department concerned, a course for graduates and advanced undergraduates, not open to students below senior grade and counting four or five hours of undergraduate credit, if taken by graduate students, will be treated as a unit course; when counting less than four hours of undergraduate credit, such a course, if taken by graduate students, will be treated as a half-unit course.

Unless otherwise specified by the department, a course the prerequisites of which are such as to make it possible for juniors to be admitted, if taken by a graduate student, is counted as a half-unit course or a quarter-unit course, according to the number of hours of undergraduate credit for which the course is given.

Transfer of Undergraduate Credit

No credit earned during the under-graduate course shall 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 senior year, and then only for minor subjects.

Failures

A graduate student who fails in his major subject cannot acquire his degree in that same year. No condition examinations are given graduate students.

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 towards 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 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 subjects of study.

A student who elects a miscellaneous course is required to register in it, do the work, and pass the semester examinations. A student who has a listener's card is not permitted to participate in the class work or the examination.

No student may register for 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, applicant for a master's degree, must ordinarily stay through at least two years. In no case will the doctor's degree be conferred upon an applicant otherwise fit in less than four years if he is on the staff in any capacity.

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 shall be recorded for such graduate student at the end of a semester, the head of the department in which he is employed, or someone 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 Graduates 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 for their degrees.

The term "year's residence" means a full year's work at of least eight units done during two semesters.

Students should note that all the work for the master's degree must be done in residence at the University, excepting in the case of members of the staff who have spent half of their time in study through a year at some other institution, and then do the rest of the work required during a year's residence here. Credit for work done elsewhere is not "transferred." The candidate is examined here on all the work required for the degree.

Withdrawal

If after registration a graduate student wishes to withdraw from any course or to add other work, or if he wishes to withdraw altogether from the University, he should first secure the necessary papers from the Dean's office.

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.

DEGREES

Attendance at Commencement is required of all candidates for degrees.

The 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 an 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 year's work in residence and to write a thesis. By one year's work is meant from four to five unit courses each semester, or their equivalent, but the completion of the required number is not of itself sufficient to insure the student's receiving his degree. A failure in any subject, or an absence from examiniation in any subject may prevent the conferring of his degree; and, as already indicated, failure in any course in the major field precludes the conferring of the degree in that year.

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. A minor may not be less than one unit.

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. Less than one unit may not be counted as satisfying the requirements of a minor for a master's degree without the approval of the student's adviser and of the department concerned.

Master's Thesis

Each candidate for a master's degree is also required to present a thesis on some subject approved by the professor in charge of his major work and the faculty of the School. 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 beginning of the year. *In no case will permission to take the degree without the thesis be given by the Dean if applied for later than the latest date for the approval of thesis subjects, as shown by the calendar.*

No one will be excused from writing a thesis unless one-half of his program of studies consists of courses numbered 100 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 the time set in the calendar. No article prepared for another use, or previously published, will be accepted as a thesis.

Graduate Study in the Summer

1. Attendance upon four summer sessions of nine weeks each, or one semester and two summer sessions of nine weeks each, 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 toward the doctor's degree, excepting 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.

2. 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.

3. Graduate students in the summer session are credited with only 8 weeks towards the fulfillment of the time requirement for the master's degree. It is necessary therefore for those who take work through four summer sessions for this degree to complete the residence requirement of four additional weeks. This may be done at any summer session by continuing work after the close of the regular session, under the direction of the instructor with whom the student is working. The student is examined on the work thus done as on all other work, and must report his additional work to the Dean.

4. Graduate courses in medical sciences are offered in the College of Medicine at Chicago in the summer quarter between June and September.

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.

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 shall not be 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 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 marine biological laboratories which have thus far been approved as institutions at which students of this Univeristy 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.

Fresh Water: Douglas Lake Station, University of Michigan, Topinadee, Michigan.

Ohio State University Laboratory, Cedar Point, Ohio.

MASTER'S 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 upon 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 twenty-four 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

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. The first minor must be a subject closely related to the major and may, under certain conditions and with proper approval, be a subdivision of the major field of study. The second minor should be chosen outside of the major field of study.

When a candidate chooses any subject as his major and a division of that subject as his minor, he is not permitted to choose as a second minor any division of work in that same department, excepting by special vote of the executive faculty of the School.

For the doctor's degree no definite division 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. It is understood that in each case the course or courses taken must be such as to occupy the student's full proportion of time.

The candidate's list of subjects must receive the approval of the head of the department in which he chooses his major work and of the Dean of the Graduate School.

Period of Study

The *minimum* period of study required for securing the degree of Doctor of Philosophy is three years. 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.

At least the first two or the last one of the three years required must be spent at this University.

Credit for work done in other universities in 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 as fulfillment of the residence requirement of the University of Illinois, so far as it goes.

Preliminary Examination

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 conducted by the members of the faculty with whom he is doing his principal work, 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. It is partly oral, and may be wholly so.

Language Examination

The candidate will be required to demonstrate his ability to read French and German, and other language needed for the prosecution of his work.

The examination in French and German is in charge of a committee of three, consisting of the head of the department in which the student is taking his major

work, of a member of the department of modern languages, and a member appointed by the Dean of the Graduate School; this test of proficiency in the use of French and German shall take place at the time of the preliminary examination for admission to candidacy for the doctor's degree.

Final Examination

On or before the last Monday in May of the year in which the candidate expects to come up for his degree, he must submit to a final examination. Besides the written examination set by the departments of the major and minor studies, the candidate must also take an oral examination, given by a committee appointed by the Dean. The oral examination is primarily on the research work of the student, as embodied in his thesis, but it is not confined to this. 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.

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. 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.

The final examination in the major and minor subjects may not be divided. The examination must be taken all at one time even tho it requires several sessions.

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.

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 study and must be submitted for formal approval by the faculty not later than the first Monday of November of the year when the degree is expected. Unless previously printed with proper authority, a typewritten copy of the complete thesis, *on thesis paper*,[1] must be in the hands of the Dean not later than noon of the Saturday nearest the middle of May, for submission to the examining committee.

The doctor's thesis must be printed and one hundred copies deposited in the Library of the University by the candidate, not later than the first of June preceding the conferring of the degree. If it is not printed by the first of June, the student must deposit seventy-five dollars ($75) or a bond for that amount satisfactory to the Comptroller of the University and the Dean of the Graduate School. 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 such part of it as it deems best.

[1] No other will be accepted by the Dean.

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 fulfilment 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." 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, volume and 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.

A leaflet containing instructions for the preparation of theses may be obtained at the office of the Dean.

Doctor's Degree in Engineering

The degree of Doctor of Philosophy in Engineering is offered in certain lines of academic graduate work of a high scholastic type in engineering science that will attract 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 for the present:

Engineering mechanics; hydraulic and sanitary engineering; steam 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.

Graduate Work in Medicine

Graduate courses in certain of the medical sciences are offered at the University College of Medicine in Chicago. These courses are open, under the general regulations of the Graduate School, to holders of bachelor's degrees. Registration, however, is made at the College of Medicine. Courses are offered for the present in anatomy, physiology, physiological chemistry, pharmacology, pathology, and bacteriology.

SCHOLARSHIPS AND FELLOWSHIPS

A number of fellowships and scholarships 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 $250 each and freedom from tuition, incidental and laboratory fees. To second 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 $300 to $500, with freedom from 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 five 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 upon 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 (and not later than the last day of that month), 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 upon 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.

For second year fellowships, adequate preparation in one foreign language, and for third year fellowships, adequate perparation in both foreign languages, is required.

Scholarships and fellowships are good for one year, but may be renewed for a second or a third year in special cases. 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.

Research Fellowships in the Engineering Experiment Station

The Engineering Experiment Station is devoted entirely to research. Its purposes are the elevation of engineering education, and the study of problems of special importance to engineers and to manufacturing, railway, mining, and industrial interests.

Fourteen research fellowships have been established in the Engineering Experiment Station. These fellowships are open to graduates of approved technical schools and universities, both American and foreign. There is a stipend of $500 a year for each fellowship. Applicants to whom these fellowships are awarded are required to agree to hold them for two years, devoting a part 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.

Application for these fellowships 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.

Research Fellowship in Gaelic

Through its President, Hon. J. P. McGoorty, the Irish Fellowship Foundation of Chicago has offered the University the sum of one thousand dollars as an honorarium for a Fellow, whose duty it will be to pursue research in Irish language and literature at the University of Illinois. An additional sum of two hundred dollars was given for the traveling expenses of the appointee. To this fellowship the University has appointed the Rev. Andrew O'Kelleher, formerly of the department of Celtic in the University of Liverpool. The Fellow is now at the University and is pursuing his work. His researches will doubtless in time be gathered together and published as a contribution to scholarship in the field of Celtic language and literature.

THE GRADUATE CLUB

The Graduate Club is an unofficial organization of the graduate students and graduate faculty. Its purpose is to furnish an opportunity for those working in different departments to become acquainted with one another and thus counteract the tendency toward narrowness which intense specialization may sometimes induce.

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. The members of the staff, assisted by graduate students, are engaged in the production of scientific studies in Illinois history, and it is expected that the results of these labors will lay a solid basis for the interpretation of the State's past.

The following persons constitute the staff of the Survey for the year 1916-17: Clarence W. Alvord, Ph.D., Professor of History, Director; Ernest L. Bogart, Ph.D., Professor of Economics; John M. Mathews, Ph.D., Assistant Professor of Political Science; Theodore C. Pease, Ph.D., Associate in History; Arthur C. Cole, Ph.D., Associate in History; Jessie J. Kile, A.M., Research 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 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.

THE LIBRARY SCHOOL

For a description of the *Library Building*, see page 56; for an account of the *libraries* themselves, see page 58; for the *collection in library economy*, see page 62; for *fees*, see page 110.

GENERAL STATEMENT

The Library School offers a two-year curriculum to students who wish to enter librarianship as a profession, and certain library courses to students in other schools and colleges of the University of Illinois 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 practises 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.

One or two years' training will not take the place of years of experience, but they will make the student more adaptable and his general library service more intelligent. The time spent in actual practise, under supervision, amounts to about three and a half months, counting seven hours to a working day. 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 library and the ordinary reference books, which will help in general reading or study.

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.

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 July 1. It is to the candidate's interest to present the 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.

Recommended Preliminary Curriculum

English literature, 5;[1] rhetoric, 2
Latin, 4, in addition to four years of high school Latin
German, 6, in addition to two years of high school German
French, 4, in addition to two years of high school French
Languages begun in college instead of in the high school should be continued for a longer period
Medieval and modern European history, 3; history of England, 3; history of the United States, 3
Economics, 3; political science, 2; sociology, 3
Philosophy, 2; general psychology, 2
Zoology, 3; botany, 2; chemistry or physics, 3

The total of this work is 100 semester hours, leaving the equivalent of 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 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 72).

SPECIAL STUDENTS

It is the practise of this School to admit as special students only those mature persons, who, tho 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 requirement 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, or failing that, as much of the prescribed work as they are prepared for.

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 $20 for each trip. Students are required to present a written report of the week's visit upon 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. 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 is $40.

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.

[1]The figures after each subject indicate the minimum number of lecture or recitation hours a week which the student should devote to that subject throughout one college year.

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 65 hours.

JUNIOR YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Lib. Sc. 2a—Reference Work	3	Lib. Sc. 2b—Reference Work	3
Lib. Sc. 3a—Selection of Books	2	Lib. Sc. 3a—Selection of Books	2
Lib. Sc. 4a—Practise Work	2	Lib. Sc. 4b—Practise Work	2
Lib. Sc. 16—Order and Accession	2	Lib. Sc. 7—History of Libraries	2
Lib. Sc. 17—Classification	3	Lib. Sc. 19—Trade Bibliography	1
Lib. Sc. 18—Cataloging	3	Lib. Sc. 20—Loan Department	1
Lib. Sc. 23a—Library Administration	1	Lib. Sc. 21—Printing, Binding, Indexing	2
		Lib. Sc. 22—Library Extension	3
		Lib. Sc. 23a—Library Administration	1
Total	16	Total	17

SENIOR YEAR

Lib. Sc. 6a—Subject Bibliography	2	Lib. Sc. 6b—Subject Bibliography	2
*Lib. Sc. 8—Advanced Reference Work	2	Lib. Sc. 9—Bookmaking	2
Lib. Sc. 10a—Practise Work	4	Lib. Sc. 10b—Practise Work	4
Lib. Sc. 13a—Public Documents	2	*Lib. Sc. 13b—Public Documents	2
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. 29—Comparative Classification	2
Lib. Sc. 27—Bibliographical Institutions	1	Lib. Sc. 26b—Library Administration	3
		*Lib. Sc. 28—Practise Work	1 to 4
Total	18	Total	20 to 23

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.

[1]Semester hours. For definition, see page 247.

THE SCHOOL OF MUSIC

For *admission* to the School of Music, see the general statement of entrance requirements of the University, pages 66 to 84. For *fees*, see page 110. 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.

Choral or orchestral work is required of all students who are taking courses in piano, voice, violin, or organ.

All students majoring in a practical subject are required to take Music 94 (Recital).

The instructors in the School of Music give recitals and lectures on musical subjects during the year.

The courses in the history of music and musical theory, as well as the work in the University Orchestra and the University Choral Society, may be taken by students in other departments without 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.

Students, who by reason of deficient musical ability, inattention, or other valid reason, fail to make satisfactory progress, may be dropped from the classes.

CURRICULUM IN MUSIC

FIRST YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Foreign language, French, German, or Italian	4	Foreign language, French, German, or Italian	4
Mus. 3—Harmony	2	Mus. 4—Harmony	2
Mus. 21a—Ear Training		Mus. 21b—Ear Training	
Mus. 42a, 52a, or 62a—Piano, Voice, or Violin	4	Mus. 42b, 52b, or 62b—Piano, Voice, or Violin	4
Mus. 46a, 56a, or 66a—Minor subject	2	Mus. 46b, 56b, or 66b—Minor subject	2
Rhet. 1[2]—Rhetoric and Themes	3	Rhet. 2—Rhetoric and Themes	3
Phys. Tr. 7a—Gymnasium (women)	1	Phys. Tr. 7b—Gymnasium (women)	1
Phys. Tr. 9—Hygiene (women)	1	Phys. Tr. 2—Gymnasium (men)	1
Phys. Tr. 1 and 1a—Gymnasium and Hygiene (men)	1	Mil. 1—Drill Regulations (men)	1
Mil. 2a—Military Drill (men)	1	Mil. 2b—Military Drill (men)	1
Total, Men	17	Total, Men	18
Total, Women	17	Total, Women	17

[1] Semester hours. For definition, see page 247.

[2] Those students who show by examination a proficiency in composition sufficient to qualify them for Rhetoric 2 may be excused from Rhetoric 1. See page 72.

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		Mus. 23b—Sight Singing	
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, or 66d—Minor Subject	2
Mil. 2c—Military Drill (men)	1	Mil. 2d—Military Drill	1
Total, Men	17	Total, Men	17
Total, Women	16	Total, Women	16

THIRD YEAR

Educ. 1—Introduction to Education	4	Eng. 2—Survey of English Literature	4
Eng. 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, or 65b—Piano, Voice, or Violin	4
Mus. 44a, 54a, 64a, or 86—Piano, Voice, Violin, or Organ (Major Subject)	4	Mus. 46f, 56f, or 66f—Minor subject	2
Mus. 46e, 56e, or 66e—Minor Subject	2		
Total	18	Total	17

FOURTH YEAR

Eng. 35—The English Drama	3	Mus. 10—General Theory	2
Mus. 9—General Theory	2	Mus. 12—Acoustics	1
Mus. 11—Acoustics	1	Mus. 27b—Ensemble	1
Mus. 27a—Ensemble	1	Mus. 45b, 55b, or 65b—Piano, Voice, or Violin	4
Mus. 45a, 55a, or 65a, Piano, Voice, or Violin	4	Mus. 46h, 56h, or 66h—Minor subject	2
Mus. 46g, 56g, or 66g—Minor subject	2	Mus. 94b—Recital	1
Mus. 94a—Recital	1		
Total	14	Total	11

In addition, to make up the prescribed total of 130 hours: Elective, for men, 1 hour; for women, 4 hours. This extra credit may be taken at any time; the election must be approved by the student's adviser.

Practical courses include regular attendance in orchestra and choral society, unless a student is excused by the Director of the School of Music.

CURRICULUM IN PUBLIC SCHOOL MUSIC

The aim of the curriculum in Public School Music is to prepare competent teachers and supervisors of music for the public schools. Students completing the curriculum are granted teacher's certificates. An opportunity for practise teaching is offered. The curriculum comprises the following prescribed subjects:

FIRST YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Mus. 1—History of Music	2	Mus. 2—History of Music	2
Mus. 3—Harmony	2	Mus. 4—Harmony	2
Mus. 21a—Ear Training	1	Mus. 21b—Ear Training	1
Mus. 23a—Sight Singing	1	Mus. 23b—Sight Singing	1
Mus. 25—Methods of Teaching	4	Mus. 25b—Methods of Teaching	4
Practical music, major, piano or voice	6	Practical music, major, piano or voice	6
Practical music	2	Practical music, minor, voice or piano	2
Total	18	Total	18

SECOND YEAR

Edu. 1—Principles of Education	4	Edu. 10—Technics of Teaching	3
Eng. 1—Survey of English Literature	4	Eng. 2—Survey of English Literature	4
Mus. 24a—Sight Singing	2	Mus. 24b—Sight Singing	2
Practical music, major, piano or voice	6	Practical Music, major, piano or voice	6
Practical music, minor, voice or piano	2	Practical Music, minor, voice or piano	2
Total	18	Total	17

[1]Semester hours. For definition, see page 247.

Advanced students may satisfy a part of the foregoing requirements by examination; in no case, however, is a student permitted to take less than 30 hours of work.

MUSICAL ORGANIZATIONS

The University Choral and Orchestral Society is conducted by the Director of the School of Music, with the assistance of the instructor of voilin, and gives a series of concerts throughout the year. The orchestra meets for two hours' rehearsal once a week; it is open to all students who qualify for membership. The chorus meets once a week for rehearsal of choral works. Singers not connected with the University are admitted by examination.

The Military Band is conducted by the instructor in band instruments. Besides giving several concerts during the year, it furnishes music for regimental formations and ceremonies and other occasions as required by the President of the University. Membership is decided by competitive examinations. A second band is also conducted, in order that all students who play band instruments ordinarily well may have an opportunity to play in a band. Each full term of service in the band counts for one term of the required work in military science. After obtaining credit for four semesters' work those who are continued in the band for not less than one year are paid an amount equal to the incidental fees for the year. There is also a reserve band and trumpet and drum corps.

The University Choristers, the University Glee and Mandolin Clubs (men), and the University Women's Glee Club are also under the supervision of the School of Music.

THE SCHOOL OF EDUCATION

GENERAL STATEMENT

The School of Education was established in 1905 as an organization of the various activities of the University which are concerned with the professional preparation of teachers and supervisors for the public schools. The nucleus of the School is the department of education in the College of Liberal Arts and Sciences. The faculty of the School is made up of the members of this department and of other departments who offer courses intended for the preparation of high-school teachers. The Board of Trustees has approved plans, and work has been begun, on a building to be used as a laboratory for the School of Education and to include quarters for a training school of secondary grade.

THE DEPARTMENT OF EDUCATION

The department of Education includes four full professors, a principal of the training school, and several assistants. It offers courses in educational history, theory, and practise—see under Education in the General Description of Courses, Part III. Two of the courses (Education 1 and 10) are required of all students who wish to secure the official recommendation of the University for teaching positions in secondary schools—see "Committee on Appointment of Teachers," page 192. Credits earned in these courses are usually accepted by the State Examining Board in lieu of examinations in pedagogy for county teachers' certificates; and these and other courses serve to prepare candidates for the examinations in professional subjects required for the State supervisory and high-school certificates—see "Certification of High School Teachers in Illinois," page 192.

GRADUATE WORK IN EDUCATION

Graduate work in education is offered to qualified students in the following fields: general educational theory (Professor Bagley); educational administration and supervision and elementary education (Professor Bagley); secondary, vocational, and higher education (Professor Johnston and Professor Hollister); educational psychology, including mental tests and clinical psychology, health administration, and school hygiene (Professor Whipple).

The equipment of the department for graduate work comprises: (a) A library of some 20,000 volumes (besides pamphlets), including the Aron Library of 8,000 titles relating largely to European education in the sixteenth, seventeenth, and eighteenth centuries; a collection of documents representing educational development in the United States, including school reports and courses of study and of state and city systems; and a text-book library representing the development of elementary and secondary school texts used in American schools from the beginning of the nineteenth century; (b) an educational museum, containing exhibits of school furniture, apparatus, illustrative material, and representative work of pupils; (c) a laboratory of educational and clinical psychology equipped for mental and physical tests.

PUBLICATIONS OF THE SCHOOL OF EDUCATION

The School of Education publishes a series of bulletins comprising (a) reports of the annual High School Conference, the Conferences on Teachers' Institutes,

and other meetings and conferences regarding public education held at the University, and (b) reports of investigations and studies by members of the instructional staff and students in the department.

The department of education is unofficially related through the editorial work of its members to the following journals: *The Journal of Educational Psychology* (Baltimore), edited by J. C. Bell, W. C. Bagley, C. E. Seashore, and G. M. Whipple; and *Educational Administration and Supervision* (Baltimore), edited by C. H. Johnston, L. D. Coffman, J. H. Van Sickle, and David Snedden.

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 Director of the School 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 85 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 Director of the School 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 1, Introduction to Education (4 hours), and (b) Education 10, Observation and Technics 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 1 and 10, are commonly accepted as meeting the requirement 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 1, 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 1, 2, 4, 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 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

The military instruction is under the charge of an officer of the United States Army. The course has special reference to the duties of officers of the line. A

IMPORTANT NOTICE

ADDITIONAL REQUIREMENTS AND OFFERINGS IN MILITARY SCIENCE UNDER THE NATIONAL DEFENSE ACT OF JUNE 3, 1916

Under the Act of Congress of June 3, 1916, there have been established at the University of Illinois three units of the Reserve Officers' Training Corps.

All male students admitted to the University of Illinois (except in the professional departments) who are citizens of the United States and physically fit are enrolled during their freshman and sophomore years in the Reserve Officers' Training Corps, and are required during these two years to devote three periods a week of not less than one hour each to military science and training. Two of the three periods are devoted to drill practise, and one period to theoretical training.

At the end of the sophomore year a student who so elects, who is recommended by the President of the University and approved by the Professor of Military Science and Tactics, and who signs a form of written agreement prescribed by the Secretary of War, may be enrolled for two more years of service in the Reserve Officers' Training Corps. Such students are required to devote five hours a week to an advanced course in military science and training throughout their junior and senior years, and the completion of this work becomes for them a prerequisite for graduation. They are required also to attend two summer training camps of four weeks each.

One hour of credit toward graduation is given for each semester of work in military science, making four credits for the required work of the freshman and sophomore years, and eight credits in all for students who elect the advanced course of the junior and senior years.

The Federal Government furnishes uniforms for all members of the Reserve Officers' Training Corps; and those students who are enrolled in the elective advanced course of the junior and senior years receive also commutation of subsistence as fixed by the Secretary of War (amounting at the present time to between $90 and $100 a year). The Government pays also the expenses of attendance at the required training camps, including traveling expenses.

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 ten 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.

regulations, rosters of the officers of the army and the navy, and data concerning the military schools and land grant colleges of the country.

PHYSICAL TRAINING

FOR MEN

The object of the work in this department is to preserve and improve the bodily health of the students by rational exercises and to teach proper inter-collegiate sports. Physical training is compulsory for all freshmen. Regular classes are formed in swimming and fencing and for drill 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 Training, and an examination is required to show that membership on any team will not cause injury, but will tend to improve the physical condition. 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 56.

FOR WOMEN

The object of the work of this department is to preserve and improve the general health, carriage, and coordination of the young women of the University. Each student is given a physical examination; suitable exercise is prescribed and advice given.

The class work embraces corrective, hygienic, and recreative exercise, including free and light gymnastics, marching, simple steps, games, and Maypole. Tennis, hockey, basket-ball, volley-ball, German-ball, and quoits are played in season.

The gymnasium is open at certain hours and under suitable restrictions to all women of the University. The uniform consist of black serge bloomers, white cotton 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 of other cotton material.

For a description of the Woman's Gymnasium, see under Woman's Building, page 57.

ONE-YEAR MEDICAL COLLEGE (URBANA)

This curriculum is open to students who have completed the two years prescribed pre-medical curriculum at Urbana, as described on page 125, or its equivalent.

FIRST SEMESTER	Hours[1]
Bact. 1—Introductory Bacteriology	3
Chem. 15—Physiological Chemistry	5
Physiol. 1—Histology	3
Physiol. 4—General Physiology	5
Human Anatomy 1—Introduction	3
Total	19

SECOND SEMESTER	Hours[1]
Bact. 26—Pathological Bacteriology	2
Chem. 15a—Metabolism	3
Physiol. 2—Esperimental Physiology	5
Physiol. 8—Histology	5
Human Anatomy 2—Introduction	3
Total	18

A student who completes this one-year curriculum is addition to the two years pre-medical curriculum (page 125), may receive credit by transfer for one year of work in the College of Medicine of the University of Illinois at Chicago, and on completion of the second year of work in that College may receive the degree of Bachelor of Science on the recommendation of the faculty of the College of Liberal Arts and Sciences of the University of Illinois. By this combined arts-medical curriculum the student may receive the degrees of Bachelor of Science and Doctor of Medicine with six years of work.

By making this one-year medical college curriculum the fourth year in the College of Liberal Arts and Sciences, including in the three preceding years the courses in the pre-medical curriculum described on page 125, and shaping his curriculum with the approval of the Dean of that College, a student may receive the degree of Bachelor of Arts at the end of four years. He may thus secure with seven years of work the degrees of Bachelor of Arts and Doctor of Medicine.

[1]Semester hours. For definition, see page 247.

THE SUMMER SESSION

EDMUND JANES JAMES, Ph.D., LL.D., PRESIDENT OF THE UNIVERSITY
WILLIAM CHANDLER BAGLEY, Ph.D., *Director of the School of Education, and Director of the Summer Session (1916)*

STAFF OF INSTRUCTION—1916

FRANK MALLOY ANDERSON, Ph.D., *Professor of History, Dartmouth College, Hanover, New Hampshire*
WILLIAM CHANDLER BAGLEY, Ph.D., *Professor of Education*
FRANCIS MARSH BALDWIN, A.M., *Assistant in Zoology*
PAUL LEVERN BAYLEY, A.M., *Assistant in Physics*
WALTER SPURGEON BEACH, B.S.A., M.S., *Assistant in Botany*
GEORGE DENTON BEAL, Ph.D., *Associate in Chemistry*
HARRIETT JOSEPHINE BERNINGER, A.B., *Assistant in Education*
LEONARD BLOOMFIELD, Ph.D., *Assistant Professor of Comparative Philology and German*
HARRY TYLER BOOTH, B.S., *Assistant in Physics*
CLARENCE VALENTINE BOYER, A.M., Ph.D., *Associate in English*
VERNA BROOKS, A.B., *Instructor in Physical Training for Women*
SLEETER BULL, M.S., *Associate in Animal Nutrition*
WILLIAM LEONIDAS BURLISON, M.S., Ph.D., *Associate Professor of Crop Production*
HOWARD VERNON CANTER, Ph.D., *Assistant Professor of Classics and Assistant Dean, College of Liberal Arts and Sciences*
DAVID HOBART CARNAHAN, A.M., Ph.D., *Associate Professor of Romance Languages*
CHARLES SERAPHIN CARRY, *Assistant in Romance Languages*
EDWARD WILSON CHITTENDON, Ph.D., *Instructor in Mathematics*
ARTHUR SAMUEL COLBY, M.S., *Assistant in Pomology*
ARTHUR CHARLES COLE, M.A., Ph.D., *Associate in History*
ARTHUR ROBERT CRATHORNE, B.S., Ph.D., *Associate in Mathematics*
CLARENCE GEORGE DERICK, M.S., Ph.D., *Assistant Professor of Chemistry*
JAMES MERION DUNCAN, *Assistant in Pattern Making*
KARL JOHN THEODORE EKBLAW, M.S., *Associate in Farm Mechanics*
EDGAR WALLACE ENGLE, Ph.D., *Instructor in Chemistry*
NEWTON EDWARD ENSIGN, B.A., B.S., *Associate in Theoretical and Applied Mechanics*
JOHN LAWRENCE ERB., F.A.G.O., *Director School of Music and University Organist*
ROY NEWTON FARGO, B.S., *Director Men's Gymnasium*
CHARLES STEVER FAZEL, A.M., *Assistant in Physics*
GEORGIA ELIZABETH FLEMING, B.S., *Instructor in Textiles*
JUSTON WATSON FOLSOM, Sc.D., *Assistant Professor of Entomology*
HOBART D FRARY, M.E., M.S., *Assistant in Mathematics*
HARRY LOVERING GILL, *Associate in Track Athletics*
JOSEPH EUGENE GILLET, Ph.D., *Associate in Comparative Literature and German*
ROBERT DOUGLAS GLASGOW, Ph.D., *Instructor in Entomology*
OLAF HAROLD GLIMSTEDT, G.D., *Assistant in Athletic Training*
ALEXANDER GREEN, A.M., Ph.D., *Instructor in German*
FRED L GRIFFIN, *Art Metal and Jewelry*

GILBERT GUSLER, B.S., *Associate in Animal Husbandry*
CHARLES HENRY HECKER, A.M., Ph.D., Ch.E., *Instructor in Chemistry*
HAROLD NEWCOMB HILLEBRAND, A.M., Ph.D., *Instructor in English*
LEONA HOPE, *Instructor in Department of Household Science*
B SMITH HOPKINS, Ph.D., *Associate in Chemistry*
GEORGE A HUFF, *Director Department of Physical Training*
LAURENCE CRANE JOHNSON, Ph.D., *Research Assistant in Chemistry*
CHARLES HUGHES JOHNSTON, A.M., Ph.D., *Professor of Secondary Education*
HARRY STUART VEDDER JONES, A.M., Ph.D., *Assistant Professor of English*
RALPH ROBERT JONES, *Associate in Basketball*
EARL KILBURN KLINE, A.M., *Instructor in German*
CHARLES TOBIAS KNIPP, A.M., Ph.D., *Associate Professor of Experimental Electricity in Physics*
CINCINNATI LAGUARDIA, A.B., *Assistant in Romance Languages*
EDWARD JOHN LAKE, B.S., *Assistant Professor of Art and Design and Acting Head of Department*
WILLIAM T LAPRADE, Ph.D., *Professor of History, Trinity College, Durham, North Carolina*
HOWARD BISHOP LEWIS, Ph.D., *Associate in Physiological Chemistry*
JAMES P. LICHTENBERGER, A.M., Ph.D., *Professor of Sociology, University of Pennsylvania, Philadelphia, Pensylvania*
SIMON LITMAN, Dr.Jur.Pub.et Rer.Cam., *Assistant Professor of Economics*
JEAN MACKINNON, A.B., A.M., *Assistant Professor of Chemistry, Iowa State College, Ames, Iowa*
JOHN MABRY MATHEWS, Ph.D., *Assistant Professor of Political Science*
O C MAUTHE, *Director of Physical Education, Stout Institute, Menominee, Wisconsin*
JOHN MEZ, Ph.D., *Lecturer for the American Association for International Relations*
WILFORD STANTON MILLER, A.M., *Assistant and Secretary in Education*
OLIN HARRIS MOORE, Ph.D., *Associate in Romance Languages*
ARETUS WILBUR NOLAN, A.B., M.S., *Assistant Professor Agricultural Extension*
WILLIAM ABBOTT OLDFATHER, A.M., Ph.D., *Professor of Classics*
JOSEPH C PARK, *Director of Industrial Education, Oswego, New York State Normal School*
HARRY GILBERT PAUL, A.M., Ph.D., *Assistant Professor of English Language and Literature*
HUGH WILEY PUCKETT, A.M., Ph.D., *Instructor in German*
ALVIS L RHOTON, *Professor of Pedagogy, Georgetown College, Georgetown, Kentucky*
ELMER ROBERTS, B.S., *Instructor in Genetics and First Assistant in Experiment Station*
FLOYD ELBA ROWLAND, B.S., A.M., *Assistant in Chemistry*
HIRAM THOMPSON SCOVILL, A.B., *Instructor in Accountancy*
GEORGE WALLACE SEARS, M.S., Ph.D., *Instructor in Chemistry*
FRED B SEELY, M.S., *Associate in Theoretical and Applied Mechanics*
VICTOR ERNEST SHELFORD, Ph.D., *Assistant Professor of Zoology*
CHARLES LESLIE STEWART, A.M., Ph.D., *Instructor in Economics*
FRANK LINCOLN STEVENS, M.S., Ph.D., *Professor of Plant Pathology*
JOHN E STOUT, A.M., *Professor of Education, Cornell College, Mt. Vernon, Iowa*
EMERSON GRANT SUTCLIFFE, A.M., *Assistant in English*
CHARLES MANFRED THOMPSON, A.M., Ph.D., *Associate in Economics*
RALPH EARLE TIEJE, A.M., *Instructor in English*

EDGAR JEROME TOWNSEND, Ph.D., LL.D., *Professor of Mathematics*
ALFRED HORATIO UPHAM, *Professor of English, Miami University, Oxford, Ohio*
ALEX VALLANCE, M.E., *Instructor in Theoretical and Applied Mechanics*
CORA E WALLACE, *Supervisor of Music, Gary, Indiana*
EARL HORACE WARNER, A.M., *Assistant in Physics*
GUY MONTROSE WHIPPLE, Ph.D., *Professor of Education*
ELMER HOWARD WILLIAMS, Ph.D., *Associate in Physics*
CHARLES HENRY WOOLBERT, A.M., *Associate in English and Public Speaking*
ROBERT CARL ZUPPKE, Ph.B., *Associate in Football*

GENERAL STATEMENT

The Summer Session of the University of Illinois for 1916 opened on June 19, and closed on August 11, making a term of *eight weeks*. The Summer Session of 1917 will open on June 18 and close on August 10.

All the courses extend through the eight weeks. Students who wish to remain for only six weeks may obtain from the Director of the Session a certificate of such attendance, but university credit will not be given for six-weeks courses.

Students may register for courses aggregating eight credit hours or less.

PURPOSE

The primary purpose of the Summer Session is to meet the needs of teachers in the public schools who wish to spend a part of the summer in study or investigation. The greater number of courses offered are designed for high-school teachers, supervising officers, and teachers of special subjects (art, music, manual training, domestic science, agriculture), and for college instructors, school supervisors, and principals who are working for advanced degrees. At the same time, students who may not fall within these groups are welcomed at the Session, and several courses of a more general nature are provided to meet their needs.

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 to the college of the University (Liberal Arts and Sciences, Commerce and Business Administration, Engineering, or Agriculture) in which they would be registered in the regular session.

In order to meet in full the entrance requirements for any one of these colleges, a student 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 66-84.)

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.

REGISTRATION

Students will present themselves for registration on Monday, June 18, 1917.

FEES

A tuition fee of twelve dollars ($12) 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 may be taken for a fee of six dollars ($6) and the laboratory fee, if there be one. A single course is understood to mean not more than two and one-half credit hours.

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 tuition fee. 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 has 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 Director.

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.

SUMMER COURSES IN LIBRARY TRAINING

Beginning in the summer of 1911, the Library School has conducted each year a summer session continuing for six weeks, to which were admitted only those actually *employed as librarians, or library assistants, or teacher-librarians, or under definite appointment to serve in such positions.* In 1915 the requirement of graduation from a high school was added. The curriculum was planned to meet especially

the needs of workers in public libraries and in high school libraries, of Illinois and no tuition fee was charged students entering from 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 university credit has been given for the work.

The work occupied the whole time of the student. The number of lectures in each subject was approximately as follows: Cataloging; classification and book numbers, 30 hours; book selection, 12 hours; library administration and extension, 12 hours; reference work, 12 hours; work with children, 12 hours; loan systems, order, accession and shelf work, binding and repairing, 12 hours.

The Library courses are not offered in connection with the Summer Session, but as an independent undertaking of the Library School.

PLAYGROUND WORK AND COACHING

In addition to the regular gymnasium work, special courses in coaching high school athletics were offered under the general direction of George A Huff, Director of Physical Training for Men. This work was added because of the increasing demand for trained men to direct high school athletics. A course in plays and games designed for teachers who coach high-school girls or supervise grammar school games, was offered by Miss Verna Brooks, Instructor in Physical Training for Women.

Courses were offered in baseball coaching (Mr. Huff), football coaching (Mr. Zuppke), basketball coaching (Mr. Jones), and track coaching (Mr. Gill). These courses were particularly adapted to high school teachers and principals who are engaged for part of their time in coaching athletic teams. The courses were so arranged that a student might, if he desired, devote his entire program to this work.

DESCRIPTION OF COURSES

For a description of the courses offered in the Summer Session, see the General Description of Courses, beginning on page 247.

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*, page 110.

GENERAL STATEMENT

It is the aim of the College of Law to fit its students as completely as possible for the practise of law. The mere imparting of knowledge of the law as it is must be subordinated to the more important end of developing the student and training him in proper habits of legal reasoning and argument. The method of discussion by the professor and student of selected judicial opinions is employed, but not to the exclusion of other methods designed to stimulate thought and initiative, such as the independent briefing of legal problems.

Courses are conducted so as to give a training in the common law which constitutes the foundation for the practise in law in Illinois and in any state in the Union. Students are required to consult frequently Illinois decisions and statutes, which are made the basis of discussion in class. In the Moot Court and the course in Illinois Procedure, especial attention is paid to the rules of pleading and practise in Illinois.

The curriculum is designed to occupy three full years. The work of the first year, twenty-eight semester hours, is prescribed, a semester hour being one hour a week for one semester. The work of the second and third years, except in equity, is elective. Students are required to elect courses averaging twenty-eight hours for each of these years. The courses elected for any year must ordinarily be chosen from those grouped under the heading for that year.

ADMISSION

For admission as a regular student and candidate for the degree of Bachelor of Laws, 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; or have received by transfer 60 hours of university credit here.

SPECIAL STUDENTS

A student who is twenty-one years of age and is entitled to admission as a regular student to another college of this University, will be admitted as a special student in the College of Law. If he attains in the courses of the first year an average grade of 80 or over, he will be admitted to regular standing, and he may receive the degree of Bachelor of Laws if in all the courses he presents for the degree his average grade is 80 or more.

Students twenty-one years of age or over, who are not able to satisfy the requirements for admission stated above, but who have had a preliminary education which would entitle them to take the Illinois State Bar Examination, may, by permission of the faculty, be admitted without examination as special students, but no such student may be a candidate for a degree. In exceptional cases, other persons may, by permission of the faculty, be admitted as special students.

ADVANCED STANDING

After matriculating, 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 PREPARATORY CURRICULUM

The following schedule of studies is recommended by the faculty of the College of Law for students taking two years in the College of Liberal Arts and Sciences to meet the requirement for admission to the College of Law:

FIRST YEAR

FIRST SEMESTER	Hours[1]	SECOND SEMESTER	Hours[1]
Foreign language	4	Foreign language	4
Hist. 2a—English History	3	Hist. 2b—English History	3
Science	5	Math. 2—College Algebra	3
Rhet. 1—Rhetoric and Themes	3	Rhet. 2—Rhetoric and Themes	3
Phys. Tr. 1 and 1a—Gymnasium and Hygiene	1	Phys. Tr. 2—Gymnasium	1
Mil. 2a—Military Drill	1	Mil. 1—Drill Regulations	1
		Mil. 2b—Military Drill	1
Total	17	Total	16

SECOND YEAR

Econ. 1—Principles of Economics	5	Econ. 3—Money and Banking	3
Hist. 3a—History of the U. S.	3	Eng. 20—Chief English Writers	4
Pol. Sci. 1—American National Government	3	Hist. 3b—History of the U. S.	3
Science or foreign language	5 or 4	Pol. Sc. 3—State and Local Government	3
Mil. 2c—Military Drill	1	Phil. 1—Logic	3
		Mil. 2d—Military Drill	1
Total	17 or 16	Total	17

The courses in military and physical training, Rhetoric 1-2, and eight hours in foreign language are required of freshmen in the College of Liberal Arts and Sciences. Latin is strongly urged for all students intending to study law; but those who have not had the necessary preparation for college courses in Latin should substitute a modern language, preferably French or German.

COMBINED CURRICULUMS

By the proper selection of his studies it is possible for a prospective law student to take both the degree of bachelor of arts or of bachelor of science and the degree in law in six years. (See pages 122 and 142).

MOOT COURT

The sessions of the Moot 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 Moot Court conform to proceedings in the various courts of the state. 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 21,000 volumes, including all the reports of the courts of last resort of all the states; the United States Supreme, Circuit, and District

[1]Semester hours. For definition see page 247.

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 Cases Annotated; American and English encyclopedias and digests; and a full collection of standard text books and legal periodicals.

REQUIREMENTS FOR GRADUATION AND DEGREES

The degree of Bachelor of Laws will be granted to all regularly matriculated students who complete all the courses in the first year list; the course in Equity 12a-12b (second year); and enough of the other courses offered to make 84 hours of credit.

Degree of Doctor of Law

The degree of Doctor of Law (J.D.) will be 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 arts or science at least two academic years prior to the completion of the course for the degree of Bachelor of Laws.
3. Obtain a minimum average grade of 85 in the College of Law.
4. Present a thesis approved by the faculty of the College of Law, in accordance with the requirements hereinafter set out.

Rules Concerning Theses

The following are the rules concerning theses presented for the degree of Doctor of Law: (1) The thesis must be on a subject approved by the Dean of the College of Law after consultation with him as to the proposed method of treatment. (2) The subject of the thesis must be filed with the Secretary on or before December 20. (3) The thesis must be typewritten on paper 8½x11 inches, with at least one inch margin at the top, bottom, and sides. (4) It should contain not less than 4,000 nor more than 10,000 words. (5) In citing cases, names of parties, volume, page, and year should be given. Citations are not to be counted in determining the number of words. The student is expected to exhaust the cases decided during the period covered by his thesis, and to state the period for which the cases have been examined. (6) The thesis must be delivered to the Secretary of the faculty not later than May 1.

The thesis may then 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 STATE BAR EXAMINATION

Any student altho 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 of the State of Illinois for admission to the bar.

CURRICULUM LEADING TO THE DEGREE OF LL.B.

First Year

FIRST SEMESTER: Contracts (Law 1a); Torts (Law 2a); Criminal Law (Law 5); Personal Property (Law 6); Introduction to the Study of Law and Brief Making (Law 37).

SECOND SEMESTER: Contracts (Law 1b); Torts (Law 2b); Real Property (Law 3); Domestic Relations (Law 7); Agency (Law 11).

Second or Third Year

FIRST SEMESTER: Common Law Pleading (4); Sales (9); Equity (12a); Damages (13); Bills and Notes (15); Public International Law (30); Quasi-Contracts (32); Brief Making (35a).

SECOND SEMESTER: Real Property (Law 10); Equity (Law 12b); Evidence (Law 8); Equity Pleading (Law 20); Municipal Corporations (Law 24); Wills (Law 18); Trusts (Law 16); Moot Court (Law 35b).

Third Year

FIRST SEMESTER: Illinois Procedure (Law 4a); Partnership (Law 19); Constitutional Law (Law 22); Bankruptcy (Law 25); Conflict of Laws (Law 31); Moot Court (Law 36a).

SECOND SEMESTER: Private Corporations (Law 17); Public Utilities (Law 34); Suretyship (Law 21); Moot Court (Law 36b); Mortgages (Law 23); Office Practise (Law 29).

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, and political science in the College of Liberal Arts and Sciences and the Graduate School.

Law students are entitled to library privileges in the general library as well as in the law library, and possess in general all the rights and privileges enjoyed by other students of the University.

SCHOLARSHIP 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 $12 each and four of $6 each, available in discharge of tuition fees.

THE COLLEGE OF MEDICINE

For the *faculty* of the College of Medicine, see page 35; for a description of the *building*, see page 58.

LOCATION

The College buildings are located in the city block lying between Harrison, Congress, Honore, and Lincoln streets, in Chicago.

CLINICAL FACILITIES

Dispensary

The Dispensary is divided into ten departments: medicine, pediatrics, orthopedics, laryngology, dermatology, ophthalmology, gynecology, neurology, and genito-urinary diseases. These departments occupy the first floor and part of the second floor of the college building. The average number of patients treated in 1915-16 was thirty thousand.

Dispensary instruction is given in the third and fourth years; the subjects of medicine, surgery, orthopedics, laryngology, and genito-urinary diseases in the third year, and the subjects of pediatrics, dermatology, neurology, ophthalmology, and gynecology in the fourth year. The larger departments devote two hours and the smaller departments one hour daily to this work. Three weeks' service is given by each department in each semester, so that the student receives a total of thirty-six hours in the larger departments and eighteen hours in the smaller departments.

Amphitheater Clinics

More than six hundred clinics besides the dispensary clinics are given each year. Practically all diseases seen in the temperate zone are demonstrated and most of the operations of surgery are performed. Fourth year students are required to examine and diagnose many cases and under certain conditions may assist in the operations.

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.

Hospital Clinics

The West Side Hospital, containing one hundred and forty-nine beds, five operating rooms, including a clinical amphitheater having a seating capacity of seventy-two, and a laboratory connected with the college by a corridor.

The University Hospital, corner Ogden avenue, Congress and Lincoln streets, opposite the College, contains ninety-two beds, two operating rooms, a laboratory, an X-ray department, and a clinical amphitheater of seventy-five seats.

These institutions are located near the College and certain clinical facilities, furnished by them, are open to its students.

Within half a block of the College is the Cook County Hospital, the chief free hospital in Chicago. During the past year it has cared for thirty thousand patients. In this hospital is conducted much of the clinical instruction of the College. Medi-

cal appointments in this institution are made each year by the Civil Service Board. The internes, sixty-four in number, are selected each spring by competitive examination. Only graduates of medical colleges of Cook County are eligible. The internes serve eighteen months in surgical, medical, and obstetrical work, and receive their board and laundry and have rooms in the hospital.

In addition to Cook County Hospital there are more than sixty public and private hospitals in Chicago, each appointing from two to four internes annually.

The students of this College are required to attend the clinics of the Cook County Hospital during their third and fourth years. The hospital tickets cost $5.00 each, and 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 County Morgue is located in the hospital grounds, and daily post-mortems are held by the pathologists of the hospital. Attendance is required during two years.

Members of the Faculty are connected with and give clinical instruction, to which students are admitted under certain conditions, in the following hospitals:

Cook County Hospital	St. Mary's Hospital
West Side Hospital	St. Luke's Hospital
University Hospital	Michael Reese Hospital
Augustana Hospital	North Chicago Hospital

THE QUINE LIBRARY

The library of the College of Medicine, named in honor of Dr. William E. Quine, for many years the Dean of the College and now Professor of Medicine, *Emeritus*, occupies the east end of the second floor of the Medical Building. This library contains 17,325 bound volumes, besides pamphlets and reprints and files of 250 American, German, English, French, and Italian journals. It is open from 9 to 5 daily, except Sundays and legal holidays.

This collection of books and periodicals is in charge of a librarian who is constantly present to assist and instruct students in the use of a technical library.

ADMISSION

Applicants for admission to the College of Medicine are required to offer:

I. Four years' work in an accredited high school, or the equivalent, comprising fifteen (15) units[1] of secondary credit and including prescribed subjects as follows:

English	3 units
Algebra	1 unit
Plane geometry	1 unit
German, French, Latin, or Greek	2 units
American history and civics	1 unit
Electives	7 units
Total	15 units

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

Physics	8 hours

[1] A 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. In general, two hours in laboratory, shop, or drawing room are considered equivalent to one hour of recitation.

[2] Semester hours. For definition see page 247.

Chemistry	8 hours
Biology	8 hours
German or French	6 hours
Electives	30 hours
Total	60 hours

Either the secondary or the collegiate requirements may be satisfied (a) *by certificate* or (b) *by examination.*

Secondary credits will be accepted *by certificate* from the following sources:

(1) From high schools and academies in the State of Illinois which are accredited to the University of Illinois.

(2) From schools accredited by the North Central Association of Colleges and Secondary Schools.

(3) From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools.

(4) From high schools and academies registered by the regents of the University of the State of New York.

(5) From schools approved by the New England College Entrance Certificate Board.

(6) From the state normal schools of Illinois and other normal schools having equal requirements for graduation.

Secondary credits may be made *by examination.*

(1) In the examinations conducted by the Registrar of the University of Illinois at the University in Urbana in January, July, and September of each year. For programs of these examinations, see pages 74-75.

(2) In the examinations conducted by the Registrar of the University of Illinois at the College of Medicine in September of each year. In 1917 these examinations will be held September 20-22. Programs may be had by applying to the Secretary of the College of Medicine, Congress and Honore Streets, Chicago. The subjects offered will be the same as those included in the list on pages 67-69. For a description of the ground covered in the several subjects see pages 82-84.

(3) In the examinations conducted in June of each year by the College Entrance Examination Board. See page 70.

(4) In the examinations conducted by the Regents of the University of the State of New York.

Collegiate credits will be accepted *by certificate* from recognized colleges which require for admission the completion of at least 14 units of high school work in an accredited high school, or the full equivalent thereof, and for graduation, in addition, four years of college work; or may be made *by examination* in the examinations conducted by the Registrar of the University of Illinois at the College of Medicine in September of each year. *Special arrangements must be made in advance with the Registrar for examinations in collegiate subjects.*

Students are strongly urged to acquire such an elementary knowledge of Latin as may be obtained in four or five years' work in school or college.

It will be noted that a properly prepared student of good ability can complete the minimum prescriptions in collegiate work within two years and still have considerable time for the study of language, history, economics, psychology, etc.—all subjects of which it is eminently desirable that the future physician should know something.

The above represent the minimum requirements for admission to the College of Medicine. It is strongly urged that students shall have completed at least three

years, or, if possible, four years, in a standard college before taking up the study of medicine.

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 applicant must present a letter of honorable dismissal from, and be eligible for promotion in, the college in which he has pursued his medical studies and must comply with the requirements for such promotion in the University of Illinois.

CONDITIONS

For the year beginning in October, 1916, conditions were permitted as follows:

For the first, second, and third year classes—6 hours in college French or German, or 8 hours in collegiate electives. No conditions can be permitted in high-school subjects or in the prescribed college physics, chemistry, or biology.

For the fourth year—4 collegiate hours. No conditions can be permitted in high-schools subjects.

ADMISSION AS SPECIAL STUDENTS

The general rule of the University will apply to the College of Medicine: Persons over twenty-one years of age, *not candidates for a degree*, may, on special approval of the dean, be admitted to classes for which they are prepared.

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 the students are registered. Students are registered in the order in which their fees are paid. Registration of students closed October 5.

COLLEGIATE YEAR

The collegiate year of 1916-1917 consists of a session of thirty-seven weeks, beginning October 2, 1916, and ending June 13, 1917. Each year is divided into two semesters of eighteen weeks. Attendance on the full session is required in order to secure credit for a year's work, and attendance on four full sessions is required for graduation.

FEES AND EXPENSES

Fees—New Schedule effective September 1, 1917

Fees—	First Year	Second Year	Third Year	Fourth Year
Matriculation[1]	$ 10.00	.....	.....	.....
Registration	5.00	$ 5.00	$ 5.00	$ 5.00
General ticket	120.00	120.00	140.00	155.00
Laboratory	30.00	35.00	5.00	.....
Diploma	.....	.....	.....	5.00
	$165.00	$160.00	$150.00	$165.00

NOTE.—County Hospital ticket, $5.00. Maternity fee, Chicago Lying-In Hospital, $15.00.

[1]Not required in the case of students who have previously matriculated in any other college of the University of Illinois.

No fees are charged regular students for special courses or quizzes. Under no circumstances are instructors, dispensary physicians, or professors allowed to receive a fee for instruction or service.

Fees charged special students are based on the amount of work taken.

Alumni are admitted, without charge, to all regular courses except in laboratory work, in which a charge is made for material actually used.

The Board of Trustees reserve the right to change the fees at any time.

Microscopes

Each student is required to have a microscope. Provision has been made whereby the student can purchase a microscope at reduced rates or make payment in annual installments. If a student be unable to purchase a microscope the College will rent him one for his exclusive use at the rate of $2.50 or $4.00 a semester, the rate depending on the equipment of the instrument.

Living Expenses

The expense of living in Chicago is less than in most other large cities. From twenty-five to thirty-five dollars a month may be regarded as adequate for ordinary living expenses, 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

Through the generosity of the late Professor R. L. Rea, a fund has been provided for four scholarships each year for indigent worthy students. These scholarships are awarded to the four students whose credentials and qualifications for the study of medicine entitle them to participate in the benefits of the Rea fund.

The students whose names follow received benefit under this scholarship during the session of 1916-1917

Morris Baron Karatz	Arthur Henry Orcutt
Gertrude Evelyn Moulton	Spero Salpas

The scholarship given by the Northwestern branch of the Woman's Foreign Missionary Society of the Methodist Episcopal Church was awarded in 1916-17 to Miss Ethel Keckler.

COURSES OFFERED

Students entering the four-year curriculum as offered in the College of Medicine offer two years of work in liberal arts and sciences for admission. On the completion of the first two years in the College of Medicine, the degree of Bachelor of Science will be conferred; and on the completion of the four years in the College of Medicine, the degree of Doctor of Medicine will be conferred. 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

1. Four full courses of instruction of not less than thirty-two weeks each, no two being in the same year, are required of every candidate for graduation.
2. The last course of instruction shall have been taken in this institution.
3. Acceptable evidence of good moral character must have been filed.
4. The candidate shall be at least twenty-one years old.

5. He shall have satisfactory credits and pass his final examinations in accordance with the rules of the Faculty.

6. All indebtedness to the college shall have been paid.

GENERAL PLAN OF INSTRUCTION

The curriculum required for graduation extends over four years. During the first two years the work is in the main confined to the sciences fundamental to practical medicine, and the time 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.

Students eligible for promotion at the end of the third year may elect the work of the summer term, on the completion of which they are privileged to act in the capacity of externes in a number of the best hospitals in the city. This gives the student an opportunity to do additional practical work under the direct supervision of trained clinicians. The externe work is arranged so that it will not conflict with the requirements of the regular schedule.

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.

Optional Work

In addition to the required work, students may, after completing the work of the first year, with the permission of the Committee on Optional Courses, take one or more optional courses. No credit will be allowed for this work.

RULES FOR PROMOTION

The passing grade in each subject is 70. A grade of from 60 to 70 constitutes a condition. A conditioned student may have one re-examination in the subject. A mark below 60 or the failure to remove a condition by re-examination constitutes a failure, and the subject must be repeated in course. A student who has any failure standing against him may not be advanced to the next year without the permission of the committee on promotion. Students who fail in subjects given in the first semester of the fourth year totalling more than 48 hours will not be admitted to candidacy for graduation in that collegiate year, but must repeat the subjects the following year. No student may be a candidate for graduation in medicine who has conditions in subjects amounting to more than 96 hours.

No student having grades below 75 in subjects aggregating twenty-five per cent of his entire work in the junior college may be a candidate for the degree of Bachelor of Science.

General examinations will be held in all subjects at the end of each semester. The examinations for the removal of conditions for students of the first three years will be held during the week preceding the opening of the next collegiate year. Re-examinations in subjects presented in the first semester of the fourth year will be held not later than two weeks from the end of that semester.

The attention of prospective students is called to the fact that the University has always reserved and exercised the right to request any student to withdraw from the University when, in the opinion of the faculty, he was not profiting by his work in the institution either because of moral or intellectual qualities. The failure to do the work of the institution in a way satisfactory to the faculty has always been considered a sufficient ground for requesting the student to withdraw, and students will not be permitted to remain when for any reason, whether lack of ability or lack of industry or other cause, they are not doing their work in a satisfactory manner.

SUMMER TERM, 1916

In the summer of 1916 (June 15—September 7) there was offered a twelve-weeks term of clinical instruction, including dispensary and maternity work, as follows: Surgery, 60 hours; gynecology (clinical and dispensary), 58 hours; medicine, 40 hours; pediatrics (clinical and dispensary), 56 hours; obstetrics (clinical, bedside, and manikin), 44 hours; dermatology (dispensary), 18 hours; neurology (dispensary) 36 hours; ophthalmology (dispensary), 36 hours; Lying-In Hospital, 60 hours (estimated); total, 408 hours. The instruction was given by Drs. E. K. Armstrong (pediatrics), C. S. Bacon (obstetrics), C. W. Barrett (gynecology), F. Chauvet (physical diagnosis), T. A. Davis (surgery), F. G. Dyas (surgery), E. L. Heintz (medicine), J. H. Hess (pediatrics), J. M. Lang (gynecology), G. J. Lorch (medicine), E. S. Moore (medicine), F. D. Moore (surgery), and N. M. Percy (surgery). Thirty-eight students were enrolled.

DESCRIPTION OF COURSES IN MEDICINE

ANATOMY, HISTOLOGY, EMBRYOLOGY

ALBERT CHAUNCEY EYCLESHYMER, B.S., M.D., Ph.D., *Professor, Head of the Department*
FREDERICK BOGUE NOYES, A.B., D.D.S., *Professor, Dental Histology*
VICTOR EMANUEL EMMEL, Ph.D., *Assistant Professor*
ROY LEE MOODIE, Ph.D., *Associate*
L V HEILBRUNN, *Instructor*
SAMUEL W WILLISTON, M.D., Ph.D., D.Sc., *Professorial Lecturer, Comparative Anatomy*
THOMAS SMITH JONES, B.F.A., *Artist*
LOUIS N BOELIO, *Technician*
MORRIS KRAMER, *Technician*

General Statement

The laboratories for gross anatomy comprize two dissecting rooms and a number of smaller rooms for embalming, storing, and prosecting. A plastic studio, a branch of the Hammer Studio of Munich, is situated on the sixth floor adjacent to the dissecting room and is available for anatomical reconstruction work and the use of models for teaching purposes. The laboratory for histology and embryology and the offices and research laboratories, are on the third floor of the Medical Building. The equipment includes apparatus for embalming, sectioning, macerating, corroding, and digesting; microtomes, microscopes, paraffin ovens, drawing apparatus, chemicals, glassware and Grübler 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, zoology, and biology.

Required Courses—First Year

Embryology.—Ovogenesis and spermatogenesis, maturation, ovulation and its relation to menstruation, fertilization, segmentation, gastrulation, formation and significance of germinal layers; the formation of foetal envelopes and placenta; organs and systems of organs; congenital malformations. Lectures and recitations: 2; laboratory: 2 two-hour periods. *II (second half.)*[1]

Professor EYCLESHYMER and assistants

Cytology, Histology, and Microscopic Anatomy.—Animal cells; modified cells, such as are found 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.* Professor EYCLESHYMER and assistants

[1] The first and second semesters are indicated by the Roman numerals I and II, respectively. A portion of a semester is indicated by the words in parenthesis following the semester numeral. Unless otherwise specifically stated, the Arabic numerals indicate the number of one-hour periods a week in each subject.

Neurology.—The gross and microscopic anatomy of brain, spinal cord, and organs of special sense. Lectures and recitations: 2; laboratory: 2 two-hour periods. *II (first half).* Professor EYCLESHYMER and assistants

Systematic Anatomy.—Dissection of the human body. For convenience, the body is subdivided into: (1) upper and lower extremities; (2) thorax and abdomen; (3) the head and neck. Lectures, recitations, and laboratory: 3 three-hour periods. *I, II.* Assistant Professor EMMEL and assistants

Required Courses—Second Year

Topographical Anatomy.—The topography and relations of the various regions, systems and organs of the body. Lectures and recitations: 2; laboratory: 2 three-hour periods. *I.* Dr. MOODIE and assistants

Applied and Surgical Anatomy—(See department of surgery.)

Optional Courses

Microscopical Technics.—Preparation of objects; injecting blood vessels and lymphatics; maceration, digestion, corrosion; decalcification, fixation of tissues, embedding, sectioning, staining, mounting. *Hours to be arranged.*

Mr. BOELIO

Medical Illustrating.—Drawing, including perspective; values and their adaptation in 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. (Open to all who are interested in the making of medical illustrations for publications.) *Hours to be arranged.* Mr. JONES

Embryology and Histogenesis.—The structural changes in the principal tissues and their cellular elements during growth; changes in the structure of cells during senescence. *Hours to be arranged.* Professor EYCLESHYMER

Haematology.—The blood and blood-forming organs in relation to cytological structure, histogenesis, functional correlations, and current haematological problems. *Hours to be arranged.* Assistant Professor EMMEL

Courses Preparatory to Specialization

(Special fee)

A. The Eye.
B. The Ear.
C. The 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.

Seminar.—Critical reviews of recent literature; bibliographies; preparation 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, Assistant Professor EMMEL, Dr. MOODIE

103. Individual Research in Embryology and Histogenesis.—*One or two units.*

Professor EYCLESHYMER, Assistant Professor EMMEL, Dr. MOODIE

APPLIED AND SURGICAL ANATOMY

(See Department of Surgery.)

DERMATOLOGY

FREDERICK GILLETTE HARRIS, M.D., *Assistant Professor of Dermatology and Venereal Diseases and Acting Head of the Department*
PHILIP FRANK SHAFFNER, M.D., *Instructor*

Required Courses—Fourth Year

Dermatology.—Didactic, illustrated. 2; *I* or *II.*

Assistant Professor HARRIS

Clinical Dermatology.—Given in Cook County Hospital. 1; *I* or *II.*

Assistant Professor HARRIS

Clinical Dermatology.—Given in the dispensary. Clinics of one hour daily throughout the year. 3; *I, II* (*three weeks each semester*).

Assistant Professor HARRIS, Dr. SHAFFNER

Optional Courses

Syphilis.—Advanced clinical course, limited to six students.

Assistant Professor HARRIS

Pathology and Bacteriology of the Skin.—Limited to six students.

Dr. SHAFFNER

EXPERIMENTAL MEDICINE

DAVID JOHN DAVIS, B.S., M.D., Ph.D., *Professor and Director of the Laboratories*
JOSIAH J MOORE, M.S., M.D., *Associate, Experimental Medicine*
HARRY B CULVER, B.S., M.D., *Instructor, Experimental Medicine*
EFFIE L MACDONALD, A.B., *Technician*

General Statement

The function of this department is to carry on research in medical problems, especially in clinical medicine, and to conduct the courses in clinical diagnosis and the laboratory work of the dispensary.

Required Course—Second Year

Clinical Pathology.—The microscopic, bacteriologic, and chemical examination of urine, blood, sputum, feces, stomach contents, exudates. 8; *one-half of I or II.*

Professor DAVIS, Dr. MOORE, Dr. CULVER

Required Course—Third and Fourth Years

Dispensary Laboratory.—Laboratory examinations in connection with clinical cases.

Dr. CULVER

Optional Courses

Advanced Special Laboratory Methods.—Limited to a few specially qualified students. Hours to be arranged. Dr. Moore

Research.—Limited to qualified students. Professor Davis

HYGIENE AND MEDICAL JURISPRUDENCE

Adolph Gehrmann, M.D., *Professor and Head of the Department of Hygiene*
Elmer DeWitt Brothers, M.S., LL.B., *Lecturer, Medical Jurisprudence*
Matthew Mills, LL.B., *Alternate Lecturer, Medical Jurisprudence*

Required Course—Second Year

Public Hygiene.—General etiology, immunity, contagious diseases, epidemiology, and preventive medicine; organization of health departments and the work of divisions of the same; vital statistics; factory and school inspection; sanitation; municipal sanitation; public welfare. Lectures. 2; *II.*

Professor Gehrmann

Required Course—Third Year

Medical Jurisprudence.—Lectures: 1; *I* or *II.* Mr. Brothers

Required Course—Fourth Year

Practical Hygiene.—Visits to public institutions. Laboratory and conferences: 8 three-hour periods; *II.* Professor Gehrmann

MEDICINE

Charles Spencer Williamson, B.S., M.D., *Professor, and Head of the Department*

Division of Internal Medicine

Charles Spencer Williamson, B.S., M.D., *Professor of Medicine*
Maurice Louis Goodkind, M.D., *Professor, Clinical Medicine*
Joseph McIntyre Patton, M.D., *Professor, Clinical Medicine*
Frederick Tice, M.D., *Professor, Diseases of the Chest and Clinical Medicine*
John Weatherson, C.E., M.D., *Assistant Professor, Medicine*
Maurice Lewison, M.D., *Assistant Professor, Physical Diagnosis*
Edward Louis Heintz, Ph.G., M.D., *Assistant Professor, Medicine and Clinical Medicine*
Robert Mosser, Ph.G., M.D., *Associate, Clinical Medicine*
Ernest Sisson Moore, Ph.B., M.D., *Associate, Clinical Medicine*
George J Lorch, Ph.G., M.D., *Instructor, Medicine*
Robert William Morris, A.B., M.D., *Instructor, Medicine*
Waldemar Eberhardt, B.S., M.D., *Instructor, Medicine*
Frank Chauvet, M.D., *Instructor, Physical Diagnosis*
Walter Bradford Metcalf, M.D., *Instructor, Clinical Medicine*
Edward F Fox, M.D., *Instructor, Medicine*
Solomon Strouse, A.B., M.D., *Instructor, Clinical Medicine*
Louis Rudolph, M.D., *Instructor, Physical Diagnosis*
F Raymond Crooks, M.D., *Instructor, Medicine*
Franklin S Wilson, M.D., *Instructor, Clinical Medicine*
Philip M Dale, M.D., *Instructor, Clinical Medicine*
Laurence H Moyers, A.M., M.D., *Instructor, Medicine*
Frank J Jirka, M.D., *Assistant, Physical Diagnosis*

Required Course—Second Year

Physical Diagnosis.—(a) Lectures. 1; *II.*

(b) Practical drill on normal subjects. 1 two-hour period; *II.*

Assistant Professor LEWISON, Dr. CHAUVET, Dr. RUDOLPH

Required Courses—Third Year

Practise of Medicine.—Infectious diseases, except tuberculosis; intoxications; diseases of metabolism and of the ductless glands. Conferences; recitations. 4; *I, II.* Assistant Professor HEINTZ, Dr. LORCH, Dr. CROOKS

Medical Clinic.—Selected topics—in the amphitheater of the Cook County Hospital. 1 two-hour period; *I* or *II.* Professor WILLIAMSON

Medical Clinic.—Material from the University Hospital dispensary. 1 two-hour period; *I* or *II.* Assistant Professor HEINTZ

Physical Diagnosis Clinic.—Given to small groups, using the patients in the tuberculosis wards of the Cook County Hospital. 1; *I.*

Assistant Professor LEWISON, Dr. CHAUVET

Medical Dispensary.—Practical work on out-patients. Practically every disease of an ambulatory nature found in the temperate zone may be seen here. 3 two-hour periods; *I, II* (*three weeks.*)

Dr. MOSSER, Dr. MOORE, Dr. METCALF, Dr. WILSON, Dr. DALE

Required Courses—Fourth Year

Practise of Medicine.—Diseases of the alimentary tract, liver, pancreas, peritoneum, heart, and lungs. The kidneys and the blood; review of selected subjects. Lectures illustrated by pathological specimens, charts, and lantern slides; conferences. 6; *I*—3; *II.*

Lectures, Professor WILLIAMSON and Professor TICE; Conferences, Assistant Professor WEATHERSON, Dr. MORRIS, Dr. EBERHARDT, Dr. FOX.

Medical Clinic.—Gastro-intestinal, cardio-vascular, and renal diseases; methods of diagnostic analysis. Collateral reading. 1 two-hour period; *I* or *II.*

Professor WILLIAMSON

Medical Clinic.—Given in the amphitheater of the Cook County Hospital. 1 two-hour period; *I* or *II.* Professor PATTON

Medical Clinic.—Given in the amphitheater of the Cook County Hospital. 1 two-hour period; *I* or *II.* Professor TICE

Group Clinic.—Given at the Michael Reese Hospital. Four one-hour periods to each group. Professor GOODKIND

Medical Seminar.—Work in cooperation with the departments of surgery and obstetrics. The student receives 48 hours' credit, 16 in each department, altho the work done is in one department only. 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 and assistants

Optional Course

Seminar in the Classics of Medicine.—Given if a minimum number of four students apply; more than eight can not be admitted. ***Hours to be arranged.***

Professor WILLIAMSON

Division of Pediatrics

Julius Hays Hess, M.D., *Associate Professor, Pediatrics and Clinical Pediatrics, Head of the Division*
Emanuel Oliver Benson, A.B., M.D., *Assistant Professor, Pediatrics and Clinical Pediatrics*
Henry Eugene Irish, M.D., *Instructor*
Maurice L Blatt, M.D., *Instructor*
Jacob Carl Krafft, M.D., *Instructor*
Joseph Samuel Cohn, M.D., *Instructor*
Abraham Levinson, M.D., *Instructor*
Lester Edward Bower, M.D., *Instructor*

General Statement

The work in pediatrics is given in the third and fourth years. So far as possible, individual instruction is given, the class being divided into small groups for clinical work.

Required Courses—Third Year

Pediatrics.—Nutrition and nutritional disturbances in infancy. Lectures in clinical conferences. 1; *I.* Associate Professor Hess

Pediatrics.—Recitations. 1; *II.*
Dr. Irish, Dr. Armstrong, Dr. Levinson, Dr. Cohn

Pediatric Clinic.—Physical diagnosis and demonstration of cases. 1; *I* or *II.*
Assistant Professor Benson

Required Courses—Fourth Year

Section Conference.—Michael Reese Hospital. 1 hour a week for four weeks.
Associate Professor Hess

Section Conference.—University Hospital. 1 hour a week for four weeks.
Dr. Irish

Section Conference.—Contagious diseases. Cook County Hospital. 1 hour a week for four weeks. Dr. Armstrong

Dispensary.—Three two-hour periods for three weeks each semester.
Dr. Blatt, Dr. Cohn, Dr. Krafft, Dr. Levinson, Dr. Bower

Pediatric Clinic.—Cook County Hospital. 1 two-hour period; *I* or *II.*
Associate Professor Hess

Division of Neurology

Lee Harrison Mettler, A.M., M.D., *Professor, Neurology and Clinical Neurology, Dead of the Division*
Isador Bernard Diamond, M.D., *Instructor*
Carl J S Rydin, M.D., *Instructor*
Edwin Franklin Leonard, M.D., *Instructor*

Required Courses—Fourth Year

Neurology.—Clinico-didactic lectures; recitations. 2; *I, II.*
Professor Mettler, Dr. Diamond, Dr. Leonard, Dr. Rydin

Clinical Neurology.—Dispensary instruction. 3 two-hour periods, three weeks; *I, II.* Dr. Diamond, Dr. Rydin, Dr. Leonard

Optional Courses

Special lectures in neuropathology, electrotherapeutics, or other related subjects. 4 one-hour periods. Professor METTLER

Division of Psychiatry

HAIM I DAVIS, M.D., *Assistant Professor, Clinical Psychiatry, Head of the Division*

Required Courses—Fourth Year

Psychiatry.—Lectures and quizzes. 1; *II, eight weeks.*
Assistant Professor DAVIS

Clinical Psychiatry.—Given in the Psychopathic Hospital of Cook County. 1, sixteen weeks; *I, II.* Assistant Professor DAVIS

Division of Roentgenology

ADOLPH HARTUNG, M.D., *Instructor*

Required Course—Fourth Year

Roentgenology.—Conferences and demonstrations. 4 one-hour periods.
Dr. HARTUNG

Division of History of Medicine

BERNARD JOHN CIGRAND, M.S., D.D.S., *Lecturer*

Optional Course—Fourth Year

History of Medicine.—Lectures. 1; *I* or *II.*

OBSTETRICS AND GYNECOLOGY

CHARLES SUMNER BACON, Ph.B., M.D., *Professor of Obstetrics, Head of the Department*

Division of Obstetrics

CHARLES SUMNER BACON, Ph.B., M.D., *Professor, Obstetrics and Clinical Obstetrics*
RACHELLE S YARROS, M.D., *Associate Professor, Obstetrics and Clinical Obstetrics*
CECIL VON BACHELLE, M.S., M.D., *Assistant Professor, Obstetrics*
OTTO HERMAN ROHRLACK, Ph.G., M.D., *Assistant Professor, Obstetrics and Clinical Obstetrics*
ANNIE ESTHER BARRON-HARRISON, M.D., *Instructor*
RICHARD CHARLES STEFFAN, M.D., *Instructor*
JOHN WILLIAM BIRK, M.D., *Instructor*
CHARLES NEWBERGER, B.S., M.D., *Instructor*
WALTER CHARLES HAMMOND, M.D., *Instructor*
EDWARD MARTIN HEACOCK, M.D., *Instructor*
FREDERICK HOWARD FALLS, M.S., M.D., *Research Fellow and Instructor*

General Statement

The equipment of this department consists of manikins, demonstration pelves, malformed pelves, and other pathological specimens, charts, obstetrical instruments, and prepared fetuses. The histology and pathology is given in connection with the department of experimental medicine.

Required Courses—Third Year

Anatomy and Histology of the Obstetrical Passages and Passenger.—4 periods of two hours each. Dr. FALLS

Physiology of Pregnancy, Labor, the Puerperium, and the New Born Infant.—Lectures; recitations. 2; *I, II.*

Associate Professor YARROS, Dr. BIRK, Dr. NEWBERGER, Dr. HEACOCK, Dr. HAMMOND, Dr. FALLS

Bedside and Dispensary Clinic.—University Hospital, 12 one-hour periods.

Professor BACON, Assistant Professor ROHRLACK, Dr. BARRON-HARRISON, Dr. FALLS

Parturition Clinic.—University Hospital. Six cases.

Required Courses—Fourth Year

Pathological Anatomy and Histology.—Laboratory. 2 to 4 two-hour periods in combination with the course on the pathology of the genital tract. (See division of gynecology.) Dr. FALLS

Pathology of Pregnancy, Labor, and the Puerperium.—Lectures; recitations. 48 hours in one-hour and two-hour periods.

Professor BACON, Assistant Professor ROHRLACK, Dr. BIRK, Dr. NEWBERGER, Dr. HEACOCK, Dr. HAMMOND, Dr. FALLS.

Manikin Work.—8 two-hour periods.

Assistant Professor BACHELLE, Dr. STEFFEN

Bedside and Dispensary Clinic.—Given at the University Hospital. 12 one-hour periods.

Professor BACON, Assistant Professor ROHRLACK, Dr. BARRON-HARRISON, Dr. FALLS

Amphitheater Clinic.—Given at the University Hospital. 1; *I, II.*

Professor BACON

Parturition Clinic.—Given at the University Hispital. Six cases.

Chicago Lying-In Hospital and Dispensary.—Residence, two weeks; at least six cases. (Fee, $15.)

Obstetrical Seminar.—Work in cooperation with the departments of medicine and surgery. For this work the student receives 48 hours credit, 16 in each department, altho the work is in one department only. 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 class. Professor BACON and assistants

Optional Course

Obstetrical Pathology.—Third or fourth year.

Division of Gynecology

CHANNING WHITNEY BARRETT, M.D., *Professor, Gynecology and Clinical Gynecology, Head of the Division*

MARY GILRUTH MCEWEN, B.S., M.D., *Assistant Professor, Clinical Gynecology*

JOHN MICHAEL LANG, M.D., *Assistant Professor, Clinical Gynecology*

EGAN WALTER FISCHMAN, M.D., *Instructor*
WESLEY JOHN WOOLSTON, M.D., *Instructor*
ALBERT JOHN SCHOENBERG, M.D., *Instructor*
FRANK LEE STONE, M.D., *Assistant*
MATHILDA OSBORNE LICHNER, B.S., M.D., *Assistant*

Required Courses—Fourth Year

Gynecology.—Recitations; lantern slide demonstrations; exhibition of fresh and preserved pathologic tissue; illustrations by charts and models. An occasional hour is devoted to operative work. 2; *I.*

Professor BARRETT, Dr. MCEWEN, Dr. LANG, Dr. FISCHMANN, Dr. WOOLSTON, Dr. SCHOENBERG, Dr. STONE

Diagnostic and Operative Clinic.—Cook County Hospital. Diagnosis, prognosis, and treatment of typical and atypical cases. Cases preliminary to operation; post-operative progress; pathologic tissues. 1 two-hour period; *I* or *II.*

Professor BARRETT

Diagnostic and Operative Clinic.—The College Amphitheater or West Side Hospital. Material from the College and Marcy Center dispensaries is available for bedside study of the post-operative course. 1 two-hour period, 8 weeks; *I, II.*

Professor BARRETT, Assistant Professor MCEWEN, Assistant Professor LANG

Dispensary Clinics.—College and Marcy Center dispensaries. Examinations; study of cases; written reports. 3, three weeks; *I, II.*

Assistant Professor LANG, Dr. FISCHMANN, Dr. WOOLSTON, Dr. STONE, Dr. LICHNER

Gross and Microscopic Study of Pathology of the Genital Tract.—Gross and microscopical specimens; conferences. 2 to 4 two-hour periods, in combination with the course on pathological anatomy and histology. (See division of obstetrics.)

Dr. FISCHMANN, Dr. STONE

Optional Course

Gynecologic Pathology.—Special courses for students of demonstrated proficiency. Special investigation. Professor BARRETT and assistants

OPHTHALMOLOGY

CASEY ALBERT WOOD, D.C.L., C.M., M.D., *Professor, Ophthalmology, Head of the Department*
WILLIAM ELLIOTT GAMBLE, B.S., M.D., *Associate Professor, Clinical Ophthalmology*
JONATHAN BROWN LORING, M.D., *Assistant Professor, Clinical Ophthalmology*
EPHRAIM KIRKPATRICK FINDLAY, M.D., *Assistant Professor, Clinical Ophthalmology*
FREDERICK DOUGLAS VREELAND, M.D., *Instructor*
WILLIAM BUTLER WEST, M.D., *Instructor*
GEORGE WILLIAM WOODNICK, M.D., *Instructor, Clinical Opthalmology*
HELEN CARNCROSS, M.D., *Instructor, Clinical Ophthalmology*
EDWARD F SLAVIK, M.D., *Assistant, Clinical Ophthalmology*
LAWRENCE WELLS WHITMER, M.D., *Assistant*
LOUIS HOFFMAN, M.D., *Assistant*

Required Courses—Fourth Year

Didactic Ophthalmology.—Lectures; dispensary teaching; clinical lectures in the hospital. Meetings of the Journal Club. 1, twelve weeks; *I.*

Professor WOOD

Clinical Ophthalmology.—The common diseases of the eye; minor operations the general practitioner may be expected to perform. 1; *I* or *II*.
Professor Wood, Associate Professor Gamble, and assistants

Dispensary Instruction.—Diagnosis and treatment of the commoner diseases of the eye. 3 two-hour periods, three weeks, *I, II.* Professor Wood, Assistant Professor Loring, Assistant Professor Findlay, and assistants.

Optional Courses

Properly qualified students can arrange for special or advanced work in ophthalmology by applying to Professor Wood.

PATHOLOGY AND BACTERIOLOGY

David John Davis, B.S., M.D., Ph.D., *Acting Professor of Pathology, Acting Head of the Department*
William H Burmeister, A.B., M.D., *Assistant Professor, Pathology*
John Josiah Moore, M.S., M.D., *Associate, Experimental Medicine*
Thomas Harris Boughton, M.S., M.D., *Instructor*
Frederick Howard Falls, M.S., M.D., *Instructor*
Amy Weedon, *Technician, Pathology*
Esther Voss, *Technician, Bacteriology*

Required Course—Second Year

General Pathology and Pathological Histology.—General pathology; gross and microscopic study of fresh and preserved pathological material. Lectures; recitations; demonstrations. 2; *one and one-half semesters;* laboratory work, 3 two-hour periods, *one and one-half semesters.*
Assistant Professor Burmeister, Dr. Boughton

Required Course—Third Year

Special Pathology.—Gross and microscopic examination of organs; post-mortem bacteriology; experimental pathology. The work is closely correlated with post-mortem examination (see autopsies) and also with clinical pathology. 2 two-hour periods; *II.* Professor Davis and assistants

Autopsies.—Cook County Hospital. Third-year students are required to attend 16 autopsies. 1 two-hour period; *II.*

Optional Courses

Advanced Laboratory and Research.—Open to a limited number of qualified students. *Hours to be arranged.* Assistant Professor Burmeister

Diagnosis of Tumors.—Open to students who have had courses in general and special pathology. *I. Hours to be arranged.* Dr. Boughton

Division of Bacteriology

Required Course—Second Year

General Bacteriology and Protozoology.—Pathogenic bacteria and protozoa; immunity. Lectures and demonstrations, 3; laboratory, 6; *I.*
Professor Davis, Dr. Moore

Optional Course

Advanced Work and Research.—Limited to qualified students. *Hours to be arranged.* Professor DAVIS

Courses for Graduates

101. Advanced Pathogenesis.—Etiology and pathogenesis of certain diseases; lower animals in the transmission of human disease. *One unit.* Professor DAVIS

105. Individual Research.—*One or two units.* Professor DAVIS

PHARMACOLOGY AND THERAPEUTICS

BERNARD FANTUS, M.D., *Professor, Pharmacology and Therapeutics*
ALFRED OGLE SHAKLEE,[1] B.S., M.D., *Assistant Professor, Pharmacology*
WALTER EDWARD SIMMONDS, M.D., *Instructor, Physical Therapy*
HOWARD S BROWNE, A.B., Ph.C., M.S., *Assistant Pharmacology*
LADISLAW STOLFA, M.D., *Assistant, Therapeutics*
EMRY G HYATT, *Student Assistant, Pharmacology*
FLORENCE L RUMREY, *Typist and Technician, Pharmacology*
SHUNKEN TOMINAGA, *Technician, Pharmacology*

Required Courses—Second Year

Elementary Prescription-Writing and Pharmacy.—Each student prepares typical specimens of each of the more important classes of pharmaceutic preparations, and practises prescribing them. 1; *I.* Professor FANTUS, Mr. BROWNE

Systematic Pharmacology.—Important drugs with predominant local action. Lectures and recitations, 2; *II.* Laboratory, 1 two-hour period; *II.* Professor FANTUS, Mr. BROWNE

Non-Pharmacal Therapeutics.—Remedial measures other than drugs: psychotherapy, mechanotherapy, hydrotherapy, electrotherapy, radiotherapy, climatotherapy, dietetics. Laboratory in mechanotherapy and hydrotherapy; practise with electrotherapeutic apparatus. Lectures and recitations, 3; *II.* Laboratory, 1; *II.* Professor FANTUS, Dr. SIMMONDS, Dr. STOLFA

Required Courses—Third Year

Systematic Pharmacology.—Important drugs with predominant systemic action. Lectures and recitations, 2; *I.* Laboratory, 1 three-hour period; *I.* Professor FANTUS

General Therapeutics.—Remedial measures: diuresis, diaphoresis, catharsis, antipyresis, analgesia, anesthesia, hypnosis, antisepsis. Prescription-writing for hypothetical cases. Lectures; recitations, 2; *II.* Professor FANTUS

Optional Courses

Advanced Prescription-Writing and Compounding.—Prescription and compounding of important remedies: pleasantness of medication; avoidance of incompatibilities. (Recommended to students of the second year who have completed the course in elementary prescription writing.) Laboratory. 1; *II.* Professor FANTUS

[1] Resigned, September 30, 1916; gave courses 101 and 103 in the summer session of 1916.

Dietetics.—Hygienic and therapeutic relations of foods. (Recommended to students of the third and fourth years.) Lectures, demonstrations; 1; *I.*

Professor FANTUS

Hydrotherapy and Massage.—The technic and practical application. (A limited number of students of third and fourth year may be admitted to this course.)

Dr. SIMMONDS

Special Experimental Pharmacodynamics.—Open to a limited number of qualified students of the third or fourth year. Three hours laboratory a week.

Professor FANTUS, Mr. BROWNE

Biologic Drug Assay.—The valuation of the activity of drugs that cannot be assayed by chemical methods. Three hours laboratory a week.

Professor FANTUS, Mr. BROWNE

Research.—Qualified students may do research laboratory work under direction of members of the staff.

Seminar.—Discussion of current pharmacologic and therapeutic literature and the results of research work in progress.

Courses for Graduates—Summer Session

101. Advanced Pharmacodynamics.—Laboratory work. *One unit.*

Assistant Professor SHAKLEE

103. Research in Pharmacodynamics.—*One or two units.*

Assistant Professor SHAKLEE

PHYSIOLOGY AND PHYSIOLOGICAL CHEMISTRY

GEORGE PETER DREYER, A.B., Ph.D., *Professor, Physiology and Physiological Chemistry, Head of the Department*
WILLIAM HENRY WELKER, A.C., Ph.D., *Assistant Professor, Physiological Chemistry*
ALFRED ERWIN LIVINSTON, Ph.D., *Associate, Physiology*
ROY GENTRY PEARCE,[1] A.B., M.D., *Assistant Professor, Physiology*
CLAYTON S SMITH, M.S., Ph.D., *Instructor, Physiological Chemistry*
HARRY HENRY STRAUCH, B.S., *Assistant, Physiological Chemistry*
J CRAIG SMALL, B.S., *Student Assistant, Physiological Chemistry*
HOWARD E CURL, A.B., *Student Assistant, Physiology*
ALBERT CHARLES D'VORAK, B.S., *Student Assistant, Physiological Chemistry*
PHILIPP A OHLSON, *Technician, Chemistry*
JAMES S GROOT, *Technician, Physiology*

DIVISION OF PHYSIOLOGY

Required Course—First Year

Physiology.—Blood, lymph; muscle, nerve; circulation; respiration. Lectures, recitations, demonstrations, 3; laboratory, 2 three-hour periods; *II.*

Professor DREYER and assistants

Required Course—Second Year

Physiology.—Digestion; secretion; metabolism; the special senses; the central nervous system. Lectures, recitations, demonstrations, 4; laboratory, 4; *I.*

Professor DREYER and assistants

[1] Resigned, September 30, 1916; gave courses 101 and 105 in the Summer Session of 1916.

Optional Courses

Advanced Laboratory.—Qualified students may take an optional course, consisting of a series of exercises introducing the graphic methods of physiological demonstration and research, and varying in kind and amount according to individual needs.

Journal Club and Seminar.—Reports; special topics.

Division of Chemistry

Required Courses—First Year

Organic Chemistry.—Biological chemistry; fats; proteins; carbohydrates. Lectures; demonstrations; conferences, 2; *I.* Laboratory, 2 three-hour periods; *I.*
Dr. SMITH, Mr. STRAUCH, Mr. SMALL

Physiological Chemistry and Toxicology.—Lectures; demonstrations; conferences, 2; *II.* Laboratory, 2 three-hour periods; *II.*
Assistant Professor WELKER, Dr. SMITH, Mr. STRAUCH, Mr. SMALL

Prerequisite: A course in organic chemistry as outlined above.

Optional Courses

Prerequisite: The required courses in organic and physiological chemistry.

Quantitative Urinary Analysis.—Lectures, 1; laboratory, 6.
Assistant Professor WELKER, Dr. SMITH

Sanitary Chemistry.—Water and sewage analysis; purification. Lecture, 1; laboratory, 6. Assistant Professor WELKER

Food Analysis.—Composition; adulteration; preservation. Lecture, 1; laboratory, 6. Dr. SMITH

Research.—Open to persons with the requisite scientific training for original investigation under the direction of a member of the staff.

Seminar.—Discussion of results of recent work in chemical biology. 1; *I, II.*

Courses for Graduates

103. Advanced Biological Chemistry.—Biochemical methods of research; biological colloids; enzyme action; metabolism. *One or two units.*
Assistant Professor WELKER

107. Biochemical Research.—*One or two units.*
Assistant Professor WELKER

Courses for Graduates—Summer Session

101. Advanced Physiology.—Experimental physiology. Laboratory. *One or two units.* Assistant Professor PEARCE

105. Research in Physiology.—*One or two units.*
Assistant Professor PEARCE

SURGERY

DANIEL ATKINSON KING STEELE, M.D., LL.D., *Professor, Head of the Department*

Division of General Surgery

DANIEL ATKINSON KING STEELE, M.D., LL.D., *Professor, Surgery and Clinical Surgery*

DANIEL NATHAN EISENDRATH, A.B., M.D., *Professor, Surgery and Clinical Surgery*
ALBERT JOHN OCHSNER, B.S., M.D., *Professor, Surgery and Clinical Surgery*
CHARLES DAVISON, M.D., *Professor, Surgery and Clinical Surgery*
ALBERT EDWARD HALSTEAD, M.D., *Professor, Surgery and Clinical Surgery*
CHARLES EDWARD HUMISTON, M.D., *Associate Professor, Clinical Surgery*
NELSON MORTIMER PERCY, M.D., *Associate Professor, Clinical Surgery*
GEORGE FARNSWORTH THOMPSON, B.S., M.D., *Assistant Professor, Surgery and Clinical Surgery*
FREDERICK GEORGE DYAS, M.D., *Assistant Professor, Surgery and Clinical Surgery*
FRANK DONALD MOORE, M.D., *Assistant Professor, Surgery and Clinical Surgery*
JOHN ROSS HARGER, B.S., M.D., *Associate, Surgery and Minor Surgery*
VICTOR L SCHRAGER, M.D., *Associate, Surgery*
CHARLES HERBERT PHIFER, M.D., *Instructor, Surgery*
HENRY LESTER BAKER, M.D., *Instructor, Surgery*
GEORGE LUTHER DAVENPORT, M.D., *Instructor, Surgery*
ARRIE BAMBERGER, M.D., *Instructor, Surgery and Minor Surgery*
RAYMOND WILLIAM MCNEALY, M.D., *Instructor, Surgery*
OSCAR EUGENE NADEAU, B.S., M.D., *Instructor, Surgery* (*Surgical Pathology*)
GEORGE WASHINGTON POST, A.M., M.D., *Assistant, Clinical Surgery*
CHARLES C. CLARK, M.D., *Assistant, Clinical Surgery*
ROBERT EMMET FLANNERY, M.D., *Assistant, Clinical Surgery*
MAX MEYEROVITZ, M.D., *Assistant, Clinical Surgery*
CARL ALBERT MEYER, M.D., *Assistant, Clinical Surgery*
LYNDON HARRIS, M.D., *Assistant, Clinical Surgery*

Required Courses—Third Year

Surgery and Surgical Pathology.—Conferences; recitations. 2; *I, II.*
Assistant Professor MOORE, Assistant Professor DYAS, Assistant Professor THOMPSON, Dr. HARGER

Clinical Surgery.—University Dispensary. Bandaging; dressings; surgical appliances. 3 two-hour periods, three weeks; *I, II.*
Dr. HARGER, Dr. BAMBERGER, Dr. POST

Clinical Surgery.—Cook County Hospital. 2; *I* or *II.*
Assistant Professor THOMPSON

Clinical Surgery.—Cook County Hospital, 2; *I* or *II.*
Associate Professor HUMISTON

Anesthetics.—Conferences; demonstrations. 4 one-hour periods.
Dr. MEYER

Required Courses—Fourth Year

Practise of Surgery.—Lectures (See calendar below.) 1; *I, II.* Quiz: 1; *I, II.*
Dr. PHIFER, Dr. DAVENPORT, Dr. MCNEALY, Dr. BAKER

October

Surgery of the Head and Neck—Professor HALSTEAD

November

Surgery of the Thorax.—Professor HALSTEAD

December

Surgery of the Stomach.—Professor EISENDRATH

January

Surgery of the Duodenum and Intestines.—Professor EISENDRATH

February

Hernia and Post-Operative Treatment.—Professor STEELE

March

Surgery of the Liver, Pancreas, and Spleen.—Professor OCHSNER

April

Surgical Diseases and Injuries of the Bones.—Professor DAVISON

May

Surgery of the Genito-Urinary Tract.—Assistant Professor CARY

Clinical Surgery.—University Hospital. 1 two-hour period; *8 weeks.*
Professor STEELE, Dr. BAKER, Dr. SCHRAGER, Dr. CLARK

Clinical Surgery.—University Hospital. 1 two-hour period; *8 weeks.*
Professor DAVISON, Assistant Professor MOORE, Dr. MEYEROVITZ

Clinical Surgery.—Cook County Hospital. 1 two-hour period; *8 weeks.*
Professor DAVISON

Clinical Surgery.—Cook County Hospital. 1 two-hour period; *I* or *II.*
Professor EISENDRATH

Clinical Surgery.—Cook County Hospital. 1 two-hour period; *I* or *II.*
Assistant Professor DYAS

Clinical Surgery.—College. 1 two-hour period; *I* or *II.*
Associate Professor PERCY, Dr. POST, Dr. FLANNERY

Clinical Surgery.—St. Luke's Hospital. 4 two-hour periods.
Professor HALSTEAD

Clinical Surgery.—Augustana Hospital. 4 two-hour periods.
Professor OCHSNER, Associate Professor PERCY, Dr. FLANNERY

Surgical Pathology.—Laboratory. 1 two-hour period; *8 weeks.*
Dr. NADEAU and assistant

Surgical Seminar.—Work in cooperation with the departments of medicine and obstetrics. For this work the student receives 48 hours credit, 16 in each department, altho this work is in one department only. 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 class.

Professor STEELE and assistants

Division of Orthopedic Surgery

JOHN LINCOLN PORTER, M.D., *Professor, Orthopedic Surgery, Head of the Division*
CHARLES MAYER JACOBS, M.D., *Associate Professor, Clinical Surgery (Orthopedic)*
DAVID ALEXANDER, M.D., *Instructor*
WILLIAM ARTHUR CLARKE, M.D., *Assistant*

Required Courses—Third Year

Orthopedic Surgery.—Lectures. 1; *I.* Professor PORTER

Clinical Orthopedic Surgery.—College amphitheater. 1; *I* or *II.*
Professor PORTER

Clinical Orthopedic Surgery.—Cook County Hospital. 1; *I* or *II.*
Associate Professor JACOBS

Dispensary.—3 two-hour periods; *three weeks, I, II.*
Dr. ALEXANDER. Dr. CLARKE

Required Course—Fourth Year

Clinical Orthopedic Surgery.—St. Luke's Hospital. 4 two-hour periods.
Professor PORTER

Division of Genito-Urinary Surgery

GEORGE FRENCH STROTHER CARY, M.D., *Assistant Professor*
CHARLES MORGAN MCKENNA, M.D., *Instructor*
HARRY JEROME SMEJKAL, M.D., *Instructor*
JOHN PATRICK O'NEIL, M.D., *Instructor*

Required Courses—Third Year

Genito-Urinary and Venereal Diseases.—Lectures. 1; *I.*
Assistant Professor CARY

Genito-Urinary and Venereal Diseases.—University Dispensary. Clinics; conferences. 3 two-hour periods; *three weeks, I, II.*
Assistant Professor CARY, Dr. MCKENNA, Dr. SMEJKAL, Dr. O'NEIL

Required Course—Fourth Year

Clinical Surgery (Genito-Urinary).—College amphitheater. 2; *8 weeks.*
Assistant Professor CARY, Dr. MCKENNA, Dr. SMEJKAL, Dr. O'NEIL

Division of Operative Surgery

ARCHIE JAMES GRAHAM, B.S., M.D., *Instructor*

Required Course—Second Year

Operative Surgery.—Operations on the cadaver and on animals. 2; *II.*
Dr. GRAHAM

Division of Laryngology, Rhinology, and Otology

NORVAL H PIERCE, M.D., *Professor, Surgery (Laryngology, Rhinology, and Otology), Head of the Division*
JOSEPH C BECK, M.D., *Associate Professor, Surgery (Laryngology, Rhinology, and Otology)*
JOHN ALGERNON CAVANAUGH, M.D., *Associate, Surgery (Laryngology, Rhinology, and Otology)*
EUGENE BERMINGHAM, M.D., *Instructor, Surgery (Laryngology, Rhinology, and Otology)*
EDWARD F GARRAGHAN, M.D., *Instructor, Surgery (Laryngology, Rhinology, and Otology)*

Required Courses—Third Year

Otology.—Surgical anatomy, physiology, and pathology of the ear. Lectures. 1; *six weeks, II.* Professor PIERCE

Clinical Surgery (Otology.)—Illinois Eye and Ear Infirmary. 4 one-hour periods; *II.* Professor PIERCE

Laryngology and Rhinology.—The diseases of the throat and nose. Lectures. 1; *I.* Associate Professor BECK

Laryngology and Rhinology.—College amphitheater. 1; *I* or *II.* Associate Professor BECK, Dr. CAVANAUGH

Laryngology and Rhinology.—University Dispensary. 3 one-hour periods; *three weeks, I, II.* Associate Professor BECK, Dr. CAVANAUGH, Dr. BERMINGHAM, Dr. GARRAGHAN

Optional Course

Clinical Laryngology and Rhinology.—Cook County Hospital. 1. Associate Professor BECK

SUMMARY OF HOURS

First Year

Subjects	First Semester Didactic	First Semester Laboratory	Second Semester Didactic	Second Semester Laboratory	Total
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
Total	96	368	144	368	976

Second Year

Subjects	First Semester Didactic	First Semester Laboratory	Second Semester Didactic	Second Semester Laboratory	Total
Anatomy, Topographical	32	96	..	..	128
Bacteriology	48	96	..	..	144
Hygiene	..	..	32	..	32
Laboratory Diagnosis	..	..	..	64	64
Non-Pharmacal Therapeutics	..	..	48	16	64
Pharmacology	..	..	32	32	64
Prescription Writing and Pharmacy	..	16	..	..	16
Pathology	32	96	16	48	192
Physical Diagnosis	..	..	16	32	48
Physiology	32	96	..	..	128
Surgery (Operative)	..	..	..	32	32
Total	144	400	144	224	912

Third Year

Subjects	First Semester Didactic	First Semester Clinical	First Semester Dispensary	Second Semester Didactic	Second Semester Clinical	Second Semester Dispensary	Total
Autopsies	..	..	..	..	32	..	32
Laryngology and Rhinology	16	16	9	..	..	9	50
Internal Medicine	64	40	18	64	40	18	244
Medical Jurisprudence	..	..	..	16	..	..	16
Pathology	..	..	..	..	64	..	64
Pediatrics	16	..	..	16	16	..	48
Pharmacology and Therapeutics	32	48	..	32	..	..	112
Obstetrics	32	..	..	32	20	..	84
Otology	..	..	..	6	4	..	10
General Surgery	32	32	18	32	36	18	168
Orthopedic Surgery	16	16	18	..	16	18	84
Genito-Urinary Surgery	16	..	18	..	..	18	52
Total	224	152	81	198	228	81	964

Fourth Year

Subjects	First Semester			Second Semester			
	Didactic	Clinical	Dispensary	Didactic	Clinical	Dispensary	Total
Dermatology	32	16	9	..	..	9	66
Genito-Urinary Surgery	..	4	..	..	16	..	20
Gynecology	32	32	9	..	20	9	102
Hygiene[1]	..	..	..	..	24	..	24
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	80	..	32	96	..	240
Surgical Pathology	..	..	..	..	16	..	16
Total	268	276	72	112	312	72	1112
Grand total of hours for the four years							3964

FURTHER INFORMATION

For further information, including circular, address THE SECRETARY OF THE COLLEGE OF MEDICINE, CONGRESS AND HONORE STREETS, CHICAGO, ILLINOIS

[1] Not given in 1916-17.

THE COLLEGE OF DENTISTRY

(For the *faculty* of the College of Dentistry, see page 39; for a description of the *building*, see page 58).

LOCATION

The College is situated on the corner of Harrison and Honore streets in Chicago, opposite the Cook County Hospital, in the center of the clinical field of Chicago. On the west is the West Side Hospital, and on the north the College of Medicine of the University of Illinois.

PROSTHETIC LABORATORIES

The prosthetic laboratories are three in number, one for each class. They are equipped with new-model benches and each student is provided with two drawers, gas, compressed air, and electric light. Each laboratory is supplied with hot and cold water, electric lathes for grinding and polishing, moulding benches, furnaces, and casting devices.

INFIRMARY

The infirmary occupies the top floor. The equipment includes chairs of improved type, each chair furnished with an electric engine, electric light, compressed air, gas connection, and a stand for instrument case. A sterilizer is continuously in operation. There is a laboratory for prosthetic work, equipped with apparatus and tools for soldering, plate work, and polishing, and a laboratory for porcelain work with electric furnaces and porcelain ovens.

LIBRARY

The library is housed with the Quine Library of the College of Medicine in the medical building adjoining. Through the courtesy of Mrs. Margaret Cook, wife of the late Dr. George Washington Cook, former Dean of the College of Dentistry, his dental library, comprising two hundred volumes, besides unbound volumes of dental journals, has been given to the College. A dozen dental journals are received regularly. The library is open from 9 a. m. to 5 p. m. daily during the school year, with a librarian in attendance.

ADMISSION

An applicant for admission to the College of Dentistry must be at least 18 years of age. Women are admitted on the same terms as men.

Each candidate for admission must present a certificate of graduation from an accredited high school, or an equivalent; which equivalent is interpreted to mean *15 units*[1] *of preparatory work in an accredited high school or academy or a state normal school.*

No "conditions" can be permitted; the full 15 units must be offered.

The foregoing requirements may be satisfied either (a) *by certificate* or (b) *by examination.*

[1] A unit is the amount of work represented by the pursuit of one high-school subject for one year of 36 weeks, with five forty-minute recitations each week, or the equivalent in laboratory or other practise.

Entrance credits will be accepted *by certificate* from the following sources:

(1) From high schools and academies in the State of Illinois which are accredited to the University of Illinois.

(2) From the state normal schools of Illinois and other state normal schools having equal requirements for graduation.

(3) From schools accredited by the North Central Association of Colleges and Secondary Schools.

(4) From schools accredited to the state universities which are included in the membership of the North Central Association of Colleges and Secondary Schools.

(5) From schools approved by the New England College Entrance Certificate Board.

(6) From high schools and academies registered by the Regents of the University of the State of New York.

Entrance credits may be made *by examination:*

(1) In the examinations conducted by the Registrar of the University of Illinois at the University in Urbana in January, July, and September of each year. For program, see pages 74-75.

(2) In the examinations conducted by the Registrar of the University of Illinois at the College of Medicine in the fall. In 1917 these examinations will be held on September 20-22.

(3) In the examinations conducted in June of each year by the College Entrance Examination Board. See page 70.

(4) In the examinations conducted by the Regents of the University of the State of New York.

Applicants for admission coming from institutions of higher learning, whether candidates for the freshman class or for advanced standing, must present entrance credentials or pass entrance examinations as indicated above.

The College of Dentistry will receive no student who is not present within 10 days after the opening day of the session in each year, or in case of necessary delay by reason of illness, properly certified by the attending physician, within 20 days after the opening day.

ADMISSION TO ADVANCED STANDING

Persons who can meet the requirements for admission to this college and who have studied dentistry in other schools for not less than one year may be admitted to advanced standing after satisfying the faculty that they have completed an amount of work equivalent to that which is required by this college in the respective classes.

Students who have had one or more years in the College of Medicine or in other medical colleges of equal rank, are allowed credit toward graduation for so much of the required curriculum in dentistry as was included in their medical curriculum. They must, however, be registered for full time. Graduates of the University of Illinois with degree of Bachelor of Arts or Bachelor of Science, who have taken courses in biology and chemistry in the University, can secure advanced standing in the curriculum in dentistry, provided they have done full work in the sciences required in the dental curriculum.

Graduates of recognized medical colleges may secure advanced credit for work and one year of time toward graduation, and are excused from lectures and examinations in general anatomy, chemistry, histology, pathology, and physiology, but are required to take lectures and examinations in dental subjects.

CURRICULUMS

1. Three-year curriculum. Students matriculating before October 14, 1916, may become candidates for the degree of Doctor of Dental Surgery after three full years of study.

2. Four-year curriculum. Optional in 1916-17. Required in 1917-18. The three-year course will not be offered after the session of 1916-17.

Students matriculating in 1916 are advised to take the four-year curriculum.

3. Combined curriculum in science and dentistry, leading to the degrees of Bachelor of Science and Doctor of Dental Surgery in six years. Full details of this curriculum will be furnished by the Registrar.

REQUIREMENTS FOR GRADUATION

The degree of Doctor of Dental Surgery will be conferred on students who have completed the curriculum, attended the required time, and passed satisfactory final examinations. To be eligible for the degree, the student must be twenty-one years of age, must possess a good moral character, and must have paid all fees.

The monthly report of attendance, and the standing of students in quizzes, recitations, laboratory work, and infirmary practise, both operative and prosthetic, are considered in making up the rating of final examinations.

LICENSE FOR 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 study required for a license.

METHOD OF INSTRUCTION

Instruction is given by means of lectures, recitations, demonstrations, and laboratory work. The time of the student is about equally divided between laboratory and clinical work on the one hand and lectures and recitations on the other.

Students are admitted to the laboratories from the beginning of the first year. Laboratory work is closely correlated with lectures and clinical studies.

The teaching of one year is not repeated, and the curriculum is progressive, the several classes having separate laboratories and at no time taking lectures or demonstrations together.

In the clinical work, methods of investigation and reasoning are taught. Diagnosis, prognosis, and indications for treatment receive no less attention than methods of construction and the technics of procedure.

DESCRIPTION OF COURSES IN DENTISTRY

BACTERIOLOGY, PATHOLOGY, AND ORAL SURGERY

FREDERICK BROWN MOOREHEAD, Ph.D., D.D.S., M.D., *Professor, Oral Surgery, and Pathology, and Head of the Department*
DAVID JOHN DAVIS, B.S., M.D., *Professor of Pathology*
LOUIS SCHULTZ, D.D.S., M.D., *Assistant Professor, Oral Surgery and Pathology*
FRANK JOSEPH BERNARD, D.D.S., *Instructor, Extracting*
THOMAS HARRIS BOUGHTON, M.S., M.D., *Instructor, Bacteriology and Pathology*
KAETHE W DEWEY, M.D., *Research Pathologist*
EDWIN PAUL SWATEK, D.D.S., *Clinical Assistant in Oral Surgery*
ANNA BOLAN, R.N., *Nurse in Oral Surgery Clinic*

General Bacteriology.—Classification of bacteria, products of bacterial growth, and methods of observing, cultivating, isolating, and identifying bacteria; sterilization, disinfection, pathogenic bacteria in diseased conditions of the mouth; cultural and staining technic; dental caries, pathological conditions of first and second dentition, sensitive dentin, hyperemia and congestion, pulp nodules, putrescent pulps, acute and chronic alveolar abscesses, diseases of the peridental membrane, necrosis of hard and soft tissues. Lectures; recitations; demonstrations; laboratory work. *112-7; I; 2.*[1] Professor DAVIS, Dr. BOUGHTON

General Pathology.—Circulatory disturbances, retrogressive and progressive processes, inflammation, tumors; pathology of important organs; blood and urine analysis; disease processes involving the teeth and buccal cavity. Lectures; recitations; demonstrations of fresh and preserved specimens; laboratory. *112-7; II; 2.* Professor DAVIS, Dr. BOUGHTON

Special Bacteriology and Pathology.—Relation of foci of infections in the mouth to constitutional diseases; the pulp and peridental membrane. Lectures; recitations; demonstrations; laboratory. *96-3; I, II; 3.* Professor MOOREHEAD, Assistant Professor SCHULTZ, and assistants

Oral Surgery.—Major operations performed in the clinic; diagnosis and treatment of minor lesions.

(a) *Lectures and recitations* on etiology, diagnosis, treatment, and local and general anesthetics. *64-2; I, II; 3.*

(b) *Surgical Clinic.*—Every Monday morning from 9:00 to 12:30. Diagnosis, case discussions, and operations. Reports. *112-3½; I, II; 3.* Professor MOOREHEAD, Assistant Professor SCHULTZ, and assistants

Extracting Clinic.—Selection and application of forceps and elevators; demonstration of nitrous oxid, oxygen, novocain, conduction and infiltration; asepsis and after treatment. *288-9; I, II; 3.* Dr. BERNARD

OPERATIVE DENTISTRY

DONALD MACKAY GALLIE, D.D.S., *Professor*
LOUIS E BAKE, D.D.S., *Assistant Professor*
JOHN C MCGUIRE, D.D.S., *Superintendent of Infirmary, Instructor*

[1]The first number indicates the total number of hours in a course; the number after the hyphen indicates the number of exercises a week; the Roman numerals I, II indicate the first and second semesters, and the final numbers 1, 2, 3 indicate respectively the freshman, junior, and senior years. Thus 112-7; I; 2 means that the course includes 112 hours, 7 a week, given during the first semester of the junior year.

W Ira Williams, D.D.S., *Instructor*
Edward J Krejci, D.D.S., *Instructor*
Frank H Vorhees, D.D.S., *Instructor*

Operative Dentistry.—Nomenclature; tooth forms; carving in ivory or bone; dissections of the pulp chamber and canals; longitudinal and transverse sections; instrument making and care; cavity preparation in ivory blocks and tooth forms; instruments for different cavities; manipulation, grasps, rests, and direction and control of force; treating, cleaning, and filling of root canals; filling materials, their application, preparation, and manipulation. *256-8*; *I, II*; *1.*

Assistant Professor Bake, Dr. Krejci

Operative Dentistry.—Cavity nomenclature and preparation; use of the odontotype; inlay technic; chair positions; application of the rubber dam; use of clamps, wedges, and separation. *Operative Clinic:*—Beginning with the second semester, second year students are admitted to the infirmary, and given instruction in oral prophylaxis, followed by regular infirmary work. *One lecture and recitation throughout the year; 128 hours, laboratory; 2.*

Professor Gallie, Assistant Professor Bake

Operative Dentistry.—Review; management of patients and special cases; treatment and filling of children's teeth; erosion; atrophy; abrasions. *64-2*; *I, II*; *3.* Professor Gallie

PROSTHETIC DENTISTRY

George Walter Dittmar, D.D.S., *Professor*
Solomon Perry Starr, D.D.S., *Assistant Professor*
Milzor William Deist, D.D.S., *Instructor*
Reuben Lenzer, D.D.S., *Instructor*
Roscoe W Upp, D.D.S., *Assistant*

Prosthetic Dentistry.—Terminology; materials; impressions; plaster casts and models; base plates; articulation and occlusion; carving, polishing, and finishing of vulcanite dentures; models for dies; casting; counter die construction; swaging; soldering; casting aluminum and "fusible metal" plates. *236-8*; *I, II*; *1.*

Assistant Professor Starr, Dr. Kaplan

Prosthetic Dentistry.—Crown and bridge work; root preparation, band construction, and crown conformation; restoration of badly decayed roots for crowns; repairing and restoring portions of fractured roots; carving, swaging, and casting cusps; swaging seamless crowns; casting full metal and porcelain faced crowns, cap and pin crowns; grinding and backing facings; detachable porcelain crowns. Bridge work: casting; removable bridge work; tenso-friction attachments; splints and bar supports; selection of porcelain facings and crowns; grinding, polishing, staining. *224-7*; *I, II*; *2.*

Assistant Professor Starr, Dr. Lenzer, Dr. Deist, Dr. Upp

Prosthetic Dentistry.—Plate denture construction; human dental mechanism: temporo-mandibular articulation; operations; occluding frames; registration of condyle paths and rotation points in the mandible; physiognomy and temperament of individuals and construction of dentures with teeth of proper size, form, shade, and arrangement; grinding, shaping, and staining; continuous gum dentures and vulcanite and metallic bases; partial plates and removable bridges; porcelain and forms of porcelain teeth; crowns and bridge construction; splints for the retention of loosened teeth and maxillary fractures; velæ and obturators for the restoration of cleft palates. *102-3*; *I, II*; *3.* Professor Dittmar and assistants

MATERIA MEDICA AND THERAPEUTICS

EDGAR D COOLIDGE, D.D.S., *Professor*
EDWARD J KREJCI, D.D.S., *Instructor*
BENJAMIN H SCHLOMOVITZ, B.S., M.S., *Assistant*

Materia Medica.—Drugs used in dentistry; terminology. *32-1*; *I, II*; *1.* Dr. KREJCI

Materia Medica.—Pharmaceutal preparations; classification of drugs; administering; conditions which modify their effects; action upon tissues and organs; poisons. Lectures; recitations. Text-book: Prinz's *Dental Materia Medica and Therapeutics. 16-1; I; 2.* Professor COOLIDGE, Mr. SCHLOMOVITZ

Therapeutics.—Prescription-writing; pathological lesions; dental caries; salivary deposits; oral hygiene and prophylaxis. Lectures; recitations. Text-books: Prinz's *Materia Medica and Therapeutics;* Marshall's *Mouth Hygiene. 16-1; II; 2.* Professor COOLIDGE

Therapeutics.—Pathologic conditions of the peridental membrane and pulp; treatment; dental caries; diseases of the dental pulp; hypersensitive dentin; pulp capping; hyperemia of the pulp; anesthetization and devitalization of the pulp, its removal, treatment and filling of root canals; pulp gangrene, suppuration, and alveolar abscess; discoloration and bleaching; the peridental membrane; pericementitis, apical and complete, septic and non-septic, phagademic pericementitis, gingivitis, pyorrhea, and stomatitis; oral prophylaxis; thesis. Text-book: Prinz's *Dental Materia Medica and Therapeutics. 32-1; I, II; 3.* Professor COOLIDGE

ORTHODONTIA

FREDERICK BOGUE NOYES, B.S., D.D.S., *Professor, Histology*

Orthodontia.—Normal occlusion, mal-occlusions. Lectures, illustrated by lantern slides and the projectoscope. Text-book: Angle's *Malocclusion of the Teeth. 32-1; I, II; 3.* Professor NOYES

ANATOMY, HISTOLOGY, AND EMBRYOLOGY

ALBERT CHAUNCEY EYCLESHYMER, M.D., Ph.D., *Professor, Anatomy*
FREDERICK BOGUE NOYES, B.S., D.D.S., *Professor, Histology*
VICTOR EMMANUEL EMMEL, M.S., Ph.D., *Assistant Professor of Anatomy*
ROY LEE MOODIE, A.B., Ph.D., *Associate, Anatomy*
CLIFFORD WEBB WELLS, B.S., M.D., *Instructor, Histology*
S W WILLISTON, M.D., Ph.D., D.Sc., *Lecturer in Comparative Anatomy*

Systematic Anatomy.—Dissection of the entire body; respiratory and digestive systems and dissection of head and neck. Lectures; demonstrations; laboratory; recitations. *256-8*; *I, II*; *1.* Assistant Professor EMMEL

Topographical Anatomy.—Head and neck in serial section; topography of the organs and structures. Lectures; recitations; demonstrations; laboratory. *114-8*; *I*; *2.* Dr. MOODIE

Comparative Anatomy.—Evolution of the masticatory apparatus. *10*; *II*; *2.* Dr. WILLISTON

General Histology.—Cell structure and function; relation to intercellular substances and tissues; elementary tissues; histology of the circulatory system; the alimentary tract and glands; the urinary system; the respiratory system, and the skin, nails, and hair. Text-book: Bailey. Three hours laboratory work and one hour lecture or quiz a week. *128*; *I, II*; *1.* Professor NOYES, Dr. WELLS

Dental Histology and Embryology.—The tissues of the teeth, the supporting tissues and the tissues of the oral cavity; the enamel; operative procedures; cavity walls; general embryology; embryology of the teeth, mouth, and jaws. Text-book: Noyes's *Dental Histology and Embryology.* Three hours laboratory and one hour lecture and quiz a week. *128; I, II; 2.* Professor NOYES, Dr. WELLS

Graduate Work

Dental Histology.—In the summer of 1916 a special course of six weeks in dental histology was offered for those desiring to prepare themselves for the teaching of this subject in dental schools. The course consisted of three hours of laboratory work and one hour of lecture or quiz a week.

PHYSIOLOGY AND CHEMISTRY

GEORGE PETER DREYER, A.B., Ph.D., *Professor, Physiology and Chemistry*
WILLIAM HENRY WELKER, A.C., Ph.D., *Assistant Professor, Chemistry*
CLAYTON S SMITH, B.S., M.S., Ph.D., *Associate, Chemistry*
ALFRED ERWIN LIVINGSTON, M.S., Ph.D., *Associate, Physiology*
HARRY HENRY STRAUCH, B.S., *Assistant, Chemistry*
J CRAIG SMALL, B.S., *Student Assistant, Chemistry*
HOWARD CURL, A.B., *Student Assistant, Physiology*
ALBERT CHARLES D'VORAK, B.S., *Student Assistant, Chemistry*
PHILIPP A OHLSON, *Technician, Chemistry*
JAMES T GROOT, *Technician, Physiology*

Physiology

The students of the College of Dentistry take their work in physiology in the physiology laboratory of the College of Medicine. The work falls in the junior year when the prerequisites, including anatomy, histology, and chemistry, have been in large part completed.

Systematic Human Physiology.—Lectures; recitations. *96-3; I, II; 2.*
Dr. LIVINGSTON, Mr. CURL, and assistants

Practical Physiology.—Demonstrations and laboratory. *64-2; I, II; 2.*
Dr. LIVINGSTON, Mr. CURL, and assistants

Chemistry

The instruction in chemistry is given in the laboratories of the College of Medicine.

General Inorganic Chemistry.—Metals and non-metals. Text-books: McPherson and Henderson's *Course in General Chemistry;* Remsen's *Chemical Experiments.* Lectures and quiz, 4; laboratory, 6; *I;* 1.
Mr. SMALL, Mr. STROUCH, Mr. D'VORAK, and assistants

Qualitative Analysis.—Metals and acids; the groups; solutions of unknown bases, unknown acids, and unknown bases and acids. Text-book: Gooch and Browning's *Outlines in Qualitative Chemical Analyses. 80.* Lectures and quiz, 4; laboratory, 6; *II, first half; 1.*
Mr. STRAUCH, Mr. SMALL, Mr. D'VORAK, and assistants

Metallurgy.—Extraction and refining of metals; physical properties; ores, alloys, solders, and cements. Text-book: Hodgen's *Practical Dental Metallurgy. 80.* Lectures and quiz, 4; laboratory, 6; *II, second half; 1.*
Assistant Professor WELKER, Mr. SMALL, Mr. STRAUCH, Mr. D'VORAK, and assistants

Metallurgy.—(Advanced course, open to students who have completed satisfactory courses in inorganic chemistry, qualitative analysis, and metallurgy.) *Hours to be arranged.* Assistant Professor WELKER

DENTAL JURISPRUDENCE

ELMER DEWITT BROTHERS, LL.B., *Lecturer*

Dental Jurisprudence.—The dentist's individual and professional rights and obligations; responsibilities arising from the relation of dentist and patient; dental laws of the various states. *Senior year.* Mr. BROTHERS

RADIOGRAPHY

JOHN C MCGUIRE, D.D.S., *Instructor*
BURNE O SIPPY, A.B., *Student Assistant*
MARTIN R ANDERSON, *Student Assistant*

Radiography.—The X-ray as a diagnostic agent; the radiograph; exposure and development. *Senior Year.* Dr. MCGUIRE, Mr. SIPPY, Mr. ANDERSON

PRACTITIONERS' COURSE

Oral Surgery, Radiography, and Therapeutics.—Class limited to twenty-five. Fee, $25. *Hours to be arranged.*
Professor MOOREHEAD, Professor COOLIDGE, Assistant Professor SCHULTZ, Dr. MCGUIRE, Dr. KREJCI, and assistants

SUMMARY OF CURRICULUM

Freshman Year	Hours		
Departments	Didactic	Laboratory	Total
Materia Medica	34	..	34
Anatomy	64	136	200
Histology	34	96	130
Chemistry	102	204	306
Operative Technic	..	238	238
Dental Anatomy	32	..	32
Prosthetic Technic	..	272	272
Total	266	946	1212

Junior Year	Hours		
Departments	Didactic	Laboratory	Total
Anatomy	[1]17	[1]68	85
Physiology	68	102	170
Materia Medica	68	..	68
Bacteriology	[1]34	[1]85	119
Pathology	[2]51	[2]68	119
Histology	34	96	130
Prosthetic Dentistry	34	204	238
Operative Dentistry	34	170	204
Comparative Anatomy	[2]17	..	17
Total	357	793	1150

[1] First Semester.
[2] Second Semester.

Senior Year

Departments	Hours Didactic	Laboratory	Clinic	Total
Special Bacteriology and Pathology	34	34	..	68
Oral Surgery	34	..	102	136
Extracting	..	..	288	288
Therapeutics	34	..	..	34
Orthodontia	34	..	..	34
Prosthetic Dentistry	34	68	340	442
Operative Dentistry	34	..	340	374
Porcelain Art	..	..	32	32
Jurisprudence (Dental)	17	..	..	17
Radiography	17	10	..	27
Ethics and Economics	10	..	..	10
Total	248	112	1102	1462

TEXT BOOKS

Students are requested to consult the head of each department before purchasing text books. The most recent editions are required in every case.

FEES

New Schedule—Effective September 1, 1917

Matriculation fee (paid first year)[1]	$ 10.00
Registration fee (paid each year)	5.00
Tuition, each year (including laboratory and dissection fees)	150.00
Locker fee	2.00
Diploma fee (paid on graduation)	5.00

Fees are not returned to students who are suspended or expelled or to those who are absent for any cause except illness. Payments should be made in currency or in Chicago exchange drawn to the order of the University of Illinois.

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 ROOMS

Board and rooms convenient to the College can be obtained at prices varying from four to six dollars a week; rooms without board, furnished or unfurnished, can be obtained at from six to ten dollars a month.

FURTHER INFORMATION

For further information, address THE DEAN OF THE COLLEGE OF DENTISTRY, Harrison and Honore Streets, Chicago, Illinois.

[1] Not required in the case of students who have previously matriculated in any other college of the University of Illinois.

THE SCHOOL OF PHARMACY

For the *faculty* of the School of Pharmacy, see page 41; for a description of the *buildings*, see page 58.

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.

THE NEW LOCATION

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. The new quarters were occupied in June, 1916.

The new location is in the great medical center of Chicago and close to the colleges of Medicine and Dentistry of the University.

EQUIPMENT

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, student's 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.

The total capacity of the laboratories is sufficient for 266 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 two 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 in 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 on three days each week and from twenty to twenty-two 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 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

The regular session opens September 26, 1916 and closes June 13, 1917.

Applicants for admission must be at least seventeen years of age and must be graduates of accredited high schools. Their high-school course must have included 15 acceptable units of high-school work, or the full educational equivalent.

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.

GRADUATION

Drug store experience is not made a requirement for the degree of Pharmaceutical Chemist. Students who have satisfactorily completed the curriculum will be awarded the degree on the recommendation of the faculty.

For the degree of Graduate in Pharmacy this School has always required practical drug store experience. The actual time of attendance at the School, amounting to eighteen months, is credited as part of the four years of practical experience required for the degree. Candidates must have attained the age of twenty-one years and have satisfactorily finished the work leading to the degree.

Students who have successfully met the scholarship requirements, but are lacking in age or in practical experience, will receive a certificate and will be awarded the diploma when the requirements of age and experience are satisfied.

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

To become a registered pharmacist in Illinois, it is necessary to pass an examination before the State Board of Pharmacy, no diplomas being recognized.

The diploma of this School is, however, accepted in lieu of examination for registration in several states and territories; and in other states, including New York and Pennsylvania, where graduation prerequisite laws are in force, this School is among the schools recognized, and its diploma admits to the examination.

The School holds membership in the American Conference of Pharmaceutical Faculties.

The amendments to the Illinois Pharmacy Law, in effect July 1, 1907, give credit, 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 two years for registered pharmacist or one year for registered assistant pharmacist.

FEES AND EXPENSES

For a statement of the fees, see page 112. 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 short distance of the School, can be had for from five to six 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 five dollars; senior students will make a payment on tuition account 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 5, Painting, the prerequisites given are Art and Design 1, 2, and 3. These three courses must be completed before Course 5 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 upward from 100.

Credit is reckoned 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. Graduate work is not recorded in credit hours nor do the credit hours of undergraduate courses apply to graduate students enrolled in them.

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 parenthesis indicate *hours* of credit for *each semester* for undergraduates. The omission of a course for the current year is indicated by enclosing the entire description of such a course in brackets.

"S," which is prefixed to each of the courses offered in the summer session, means "summer" and is used to distinguish such courses from those of the same number offered during the regular university year. Summer courses do not always cover the same ground as those similarly numbered in the regular session. Students wishing to know in what respect such courses are similar will be gladly furnished the desired information by the Director of the Summer Session on application. All courses in the summer session that are granted graduate credit are marked with an asterisk (*). Courses numbered 100 and above are open only to graduate students.

ACCOUNTANCY

(See BUSINESS ORGANIZATION AND OPERATION.)

AGRICULTURE

Summer Session Courses

WILLIAM LEONIDAS BURLISON, Ph.D., *Associate Professor, Crop Production*
ARETAS WILBUR NOLAN, M.S., *Assistant Professor, Agricultural Extension*
SLEETER BULL, M.S., *Associate, Animal Nutrition*
GILBERT GUSLER, B.S., *Associate, Animal Husbandry*
ELMER ROBERTS, B.S., *Instructor, Genetics*
KARL JOHN THEODORE EKBLAW, M.S., *Associate, Farm Mechanics*
JAMES HENRY GREENE, M.S., *State Leader, Junior Extension*
ARTHUR SAMUEL COLBY, M.S., *Assistant, Pomology*

The work in the Summer Session is planned for teachers of agriculture in elementary and high schools, and also to enable those seeking degrees in agriculture to cover a portion of the required freshman subjects.

(For the courses in agriculture given during the winter session, see AGRICULTURAL EXTENSION, AGRONOMY, ANIMAL HUSBANDRY, DAIRY HUSBANDRY, and HORTICULTURE.)

S1. **General Agriculture.**—For description, see Agricultural Extension. 1 (2½). Assistant Professor NOLAN, Mr. GREENE

S1a. **Elements of Horticulture.**—The farm home; orcharding; the home orchard and small fruit garden; orchard insects and diseases. (2). Mr. COLBY

S1b. **Elements of Horticulture.**—The farm home; vegetable gardening; laying out and planting a graden; storage of vegetables and fruit; ornamental planting. (2). Mr. COLBY

S 5. **Fundamentals of Live Stock Judging.**—For description see Animal Husbandry 5. (2½). Mr. GUSLER

S 8. **Principles of Breeding.**—For description see Animal Husbandry 8. (1). Mr. ROBERTS

S 20. **Farm Concrete Construction.**—For description see Agronomy 20. (2). Mr. EKBLAW

S 21. **Principles of Feeding.**—For description see Animal Husbandry 21. (2). Mr. BULL

S 25. **Farm Crops.**—For description see Agronomy 25. (2). Associate Professor BURLISON

S 26. **Farm Mechanics and Equipment.**—For description see Farm Mechanics 26. (2½). Mr. EKBLAW

S 90. **Rural Education.**—Rural life conditions; needs and agencies at work in rural progress. (2). Assistant Professor NOLAN

AGRICULTURAL COLLEGE EXTENSION

FRED HENRY RANKIN, B.S., *Superintendent and Assistant to the Dean, with rank of Assistant Professor*
ARETAS WILBUR NOLAN, M.S., *Assistant Professor*
ALBERT WOODWARD JAMISON, M.S., *Assistant Professor*
JOSEPH HARVEY CHECKLEY, B.S., *Assistant*

ROBERT ENOCH HIERONYMUS, M.A., LL.D., *Community Adviser*
JAMES HENRY GREENE, M.S., *State Leader, Junior Extension*

1. **Principles and Methods of High School Agriculture.**—Adaptation of agricultural science and practise to high school conditions; order and methods of presentation; laboratory work; apparatus; field work. Practise teaching provided through cooperation with the local high school. *II*; (5).

Assistant Professor NOLAN

Prerequisite: Two years' work in agriculture.

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).

Assistant Professor RANKIN, Assistant Professor JAMISON

Prerequisite: One year of university work.

4. **Country Life Problems.**—Problems of the farm; duties of citizenship; social, economic, and educational work in rural communities. Lectures. Required of first-year students. *I*; (1).

Dean DAVENPORT and other lecturers; Assistant Professor JAMISON in charge.

(Credit given to agricultural freshmen only.)

AGRONOMY

CYRIL GEORGE HOPKINS, Ph.D., *Professor, Agronomy*
LOUIE HENRIE SMITH, Ph.D., *Professor, Plant Breeding*
JEREMIAH GEORGE MOSIER, B.S., *Professor, Soil Physics*
WILLIAM LEONIDAS BURLISON, Ph.D., *Associate Professor, Crop Production*
ROBERT STEWART, Ph.D., *Associate Professor, Soil Fertility*
AXEL FERDINAND GUSTAFSON, M.S., *Assistant Professor, Soil Physics*
EARL ARCHIBALD WHITE, M.S., *Assistant Professor, Farm Mechanics*
IRA WILMER DICKERSON, B.S., *Associate, Farm Mechanics*
FREDERICK CHARLES BAUER, B.S., *Associate, Soil Fertility*
ALBERT LEMUEL WHITING, Ph.D., *Associate, Soil Biology*
WALTER BYRON GERNERT, Ph.D., *Associate, Plant Breeding*
CHESTER OTIS REED, B.S., *Instructor, Farm Mechanics*
FORREST ADDISON FISHER, B.S., *Instructor, Soil Physics*
MARVIN EDWARD JAHR, A.B., *Instructor, Farm Mechanics*
HARRY CHARLES GILKERSON, B.S., *Instructor, Soil Fertility*
HOWARD JOHN SNIDER, B.S., *Instructor, Soil Fertility*
WARREN RIPPEY SCHOONOVER, M.S., *Instructor, Soil Biology*
EDWARD HARVEY WALWORTH, B.S., *Instructor, Crop Production*
FRANK ARCHIBALD WYATT, Ph.D., *Instructor, Soil Fertility*
ALFRED THORPE MORISON, B.S., *Assistant, Crop Production*
EDWARD FRITCHOFF TORGERSON, B.S., *Assistant, Soil Physics*
WASHINGTON IRVING BROCKSON, M.S., *Assistant, Crop Production*
RAY IRIS SHAWL, B.S., *Assistant, Farm Mechanics*

Courses for Undergraduates

Crops: Agronomy 7, 8, 18, 22, 25.
Soils: Agronomy 9, 10, 11, 12, 13, 18, 23.
Farm Mechanics and Buildings: Agronomy 1, 2, 3, 4, 17, 18, 19, 20, 26, 27.

1. **Drainage.**—Drainage and its surveying operations. Chaining, mapping,

leveling, designing, setting grade stakes, laying tile. Lectures and laboratory first half semester; field work second half semester. *II*; (3). Mr. JAHR

Prerequisite: Agronomy 9 (Soil Physics), or its equivalent.

2. Field Machinery.—Construction, operation, adjustment, purchase, and care of implements for soil, seed, and feed preparation, and for seeding, cultivating, harvesting, and handling farm crops. Whiffle-trees and hitches. Lectures; laboratory; practise in troubles, adjustments, and testing of farm power machines. *I*; (3). Mr. REED, Mr. SHAWL

Prerequisite: Agronomy 26 or registration therein, except for seniors.

3. Farm Power Machinery.—The horse as a motor, windmills, water-power, steam engines, hot-air engines, electric motors; internal combustion engines and tractors; transmission. Lectures; laboratory. (Alternating with Mechanical Engineering 71 and 73 if desired.) *II*; (3). Mr. DICKERSON, Mr. SHAWL

Prerequisite: Agronomy 26 or registration therein, except for seniors.

4. Farm Buildings.—Materials, construction, arrangement, design, and cost estimation. Recitations and drafting. *I*; (3). Assistant Professor WHITE

7. Advanced Farm Crops.—Climatic and soil factors; meadows and pastures; rotation; labor; cost of production; seed production; products and by-products of farm crops; storage; marketing. Lectures; assigned reading; laboratory; demonstrations. *II*; (3). Associate Professor BURLISON

Prerequisite: Agronomy 25, Chemistry 13a, and either Botany 3b or an approved equivalent in science (consult instructor).

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*; (2-5).[1] Associate Professor BURLISON, Mr. MORISON

Prerequisite: Agronomy 7.

9. Soil Physics and Management.—Origin and formation of soil material; mechanical composition and classification; moisture; texture; wasting by washing; fall or spring plowing and drainage; real and apparent specific gravity, porosity, water holding capacity, and capillary power; systems of rotation; continuous cropping. Lectures; laboratory. *I* or *II*; (5).

Professor MOSIER, Assistant Professor GUSTAFSON, Mr. FISHER, Mr. TORGERSON

Prerequisite: Chemistry 13a, and one unit of entrance or university physics. Irregular students should consult instructor.

10. Special Work in Soil Physics.—Physical properties of special soils; physical analysis; hygroscopic and wilting coefficients; moisture equivalents; effect of tillage. Students may work with special soils. Under special arrangement part of this work may be done during summer vacation. *I* or *II;* (2-5).[1]

Professor MOSIER, Assistant Professor GUSTAFSON, Mr. FISHER

Prerequisite: Agronomy 9, and approval of the Soil Physics division.

11. Soil Biology.—Biochemical activities of soil microörganisms; isolation of organisms; action on insoluble mineral plant food; fermentation of crop residues,

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[1] In 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*.

green and farm manures; nitrogen fixation, assimilation, and preservation. Lectures; quiz; laboratory. *II*; (5). Dr. WHITING, Mr. SCHOONOVER

Prerequisite: Agronomy 12 and Bacteriology 1, 5, or 20, or the equivalent.

12. Soil Fertility, Fertilizers, Rotations.[1]—Effects of crops on the soil and on succeeding crops; rotations; fertility and productivity; manures and fertilizers; soils cropped continuously with different crops and with a series of crops; fertility of soils of different types from different sections of Illinois.[2] Lectures; laboratory. *II*; (5).

Professor HOPKINS, Mr. BAUER, Dr. WYATT, Mr. GILKERSON, Mr. SNIDER

Prerequisite: Chemistry 13a; Agronomy 9.

12a. Soil Fertility, Fertilizers, Rotations.[1]—The same as Agronomy 12, for advanced students. Lectures; quiz. *II*; (2).

Professor HOPKINS, Mr. BAUER, Dr. WYATT. Mr. SNIDER

Prerequisite: Graduate standing, or advanced undergraduate standing with the approval of the division.

13. Investigation of the Fertility of Special Soils.—Soils in which the student is interested. Fertility; effect of fertilizers, as determined by pot cultures and by pot experiments; work of experiment stations and experimenters. *I*; (3-5).[3]

Associate Professor STEWART, Dr. WYATT

Prerequisite: Agronomy 12.

16. German Agricultural Readings.—Soils and crops. The current numbers of German journals of agricultural science used as texts. *II*; (2).

Professor HOPKINS

Prerequisite: Two years' work in German; Agronomy 12.

17. Harvesting Machinery.—(For students preparing to do expert work in the field. Before registering in this course students should consult the instructor.) *II*; (3). Mr. REED, Mr. SHAWL

Prerequisite: M. E. 71; Agronomy 2, and Agronomy 3, or registration therein.

18a-18b. Investigation and Thesis.—*I, II*; (5-10).[3]

Professor HOPKINS, Professor MOSIER, Professor SMITH, Associate Professor STEWART, Associate Professor BURLISON, Dr. WHITING

19a-19b. Research in Farm Mechanics.—(Consult instructor.) *I, II*; (1-5).[3]

Assistant Professor WHITE, Mr. DICKERSON, Mr. JAHR, Mr. REED

20. Farm Concrete Construction.—Materials; mixing and placing; simple comparative tests; specifications and estimates. Lectures; laboratory. *II*; (2).

Mr. JAHR

22. Plant Breeding.—The improvement by breeding of field crops. Lectures; assigned reading; demonstrations; laboratory. (This course may be taken with Agronomy 7). *II*; (2). Professor SMITH, Dr. GERNERT

Prerequisite: Botany 1; Chemistry 13a; Agronomy 25.

23. Plant Food Supplies.—The world's supply of plant-food materials; utilization and conservation. *II*; (1). Associate Professor STEWART

Prerequisite: Agronomy 12.

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[1] A 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 $10 on the part of the student.

[2] The student is advised to collect in advance a representative composite sample of surface soil (at least 6 pounds) from land in which he is interested (see page 44 of the Soil Fertility Laboratory Manual, or Illinois Experiment Station Circular 150).

[3] In 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.

25. Farm Crops.—Plant growth; structure; production and harvesting; common diseases, insects, and their control; weed seed identification; weed control; seed testing; market grades of grain; grain judging. *I* or *II*; (4).

Associate Professor BURLISON, Mr. WALWORTH, Mr. MORISON, Mr. BROCKSON

26. Elementary Farm Mechanics.—Ropes, soldering, babbitting, belt lacing, pipe cutting, plumbing, sewage disposal; water, lighting, and heating systems; power transmission; mechanics; equalizers. Design of farm power plant. *I* or *II*; (3). Assistant Professor WHITE, Mr. DICKERSON

27. Drainage Design.—Designing of tile drainage systems from level note data and contour maps; estimating; designing of outlet open ditch system for drainage districts; drainage district laws; preparing bids on contract jobs; advanced field work. *I*; (1-5).[1] Mr. JAHR

Prerequisite: Agronomy 1, or Civil Engineering 96, 31, or 32.

Courses for Graduates

Students taking their major work in agronomy must have had the major courses in agronomy offered to undergraduates in the College of Agriculture of the University of Illinois, or their equivalent. Graduate students may specialize either in soils or in crops. Courses 7, 9, 11 and 12, or the equivalent, will be required of graduates who specialize in soils and courses 7, 9, 12, and 22 or the equivalent will be required of those specializing in crops. While everyone seeking a doctor's degree with agronomy as a major will be required to have a general knowledge of the whole field of agronomy, each student is expected to prepare a thesis in some one of the divisions, soil fertility, soil physics, soil biology, plant breeding or crop production.

Students who are taking their major work in other departments and choose agronomy as a minor, must have had previously the work in chemistry, botany and other fundamental sciences prescribed for the undergraduate courses in agronomy in the College of Agriculture, or the equivalent.

101. Soil Investigations.—System of soil investigations; sources of error and methods of control; interpretation of results. *Twice a week; I, II; (1 unit).*

Associate Professor STEWART

104. Seminar in Agronomy.—Once a week; *I, II*; *(½ unit.)*

Dr. WHITING and others

112. Plant Breeding.—Experiments at this station; methods and results reported from other states and from foreign countries. *Twice a week; I, II; (1 to 2 units).* Professor SMITH

114. Crop Production.—Crop ecology; methods and results of crop production investigations. *Once a week; I, II; (½ to 2 units).*

Associate Professor BURLISON

118. Investigations.—A special problem is chosen by each student. *Consultation one to five times a week for different students; I, II; (1 to 4 units).*

Professors HOPKINS, SMITH, MOSIER, Associate Professors STEWART and BURLISON, Dr. WHITING, Dr. GERNERT

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[1] In 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*.

ANATOMY, HUMAN

(See under ZOOLOGY.)

ANIMAL HUSBANDRY

(Including FARM MANAGEMENT.)

HERBERT WINDSOR MUMFORD, B.S., *Professor, Animal Husbandry*
HARRY SANDS GRINDLEY, D.Sc., *Professor, Animal Nutrition*
WALTER CASTELLA COFFEY, M.S., *Professor, Sheep Husbandry*
HENRY PERLY RUSK, M.S., *Assistant Professor, Cattle Husbandry*
JAMES LLOYD EDMONDS, B.S., *Assistant Professor, Horse Husbandry*
JOHN A DETLEFSEN, D.Sc., *Assistant Professor, Genetics*
WALTER FREDERICK HANDSCHIN, B.S., *Assistant Professor, Farm Organization and Management*
DANIEL OTIS BARTO, B.S., *Associate, Poultry Husbandry*
SLEETER BULL, M.S., *Associate, Animal Nutrition*
HAROLD HANSON MITCHELL, Ph.D., *Associate, Animal Nutrition*
WILLIAM HERSCHEL SMITH, M.S., *Associate, Animal Husbandry Extension*
GILBERT GUSLER, B.S., *Associate, Animal Husbandry*
ELMER ROBERTS, B.S., *Instructor, Genetics*
WILBUR JEROME CARMICHAEL, M.S., *Instructor, Animal Husbandry*
CHARLES IVAN NEWLIN, M.S., *Instructor, Animal Husbandry*
JAMES BURTON ANDREWS, B.S., *Instructor, Animal Husbandry*
ROSCOE RAYMOND SNAPP, B.S., *Instructor, Animal Husbandry*
CLAUDE HARPER, B.S., *Assistant, Animal Husbandry*
JAMES WILBUR WHISENAND, M.S., *Assistant, Animal Husbandry*
EARL KIRKWOOD AUGUSTUS, B.S., *Assistant, Animal Husbandry*
ROY HAROLD WILCOX, B.S., *Assistant, Animal Husbandry*
MAYNARD ELMER SLATER, B.S., *Assistant, Animal Nutrition*
JOHN BENJAMIN RICE, B.S., *Assistant, Animal Husbandry*
WILLIAM ALGERNON KINGSMILL MORKEL, M.S., *Assistant, Animal Husbandry*
LAWRENCE EMERSON THORNE, B.S., *Assistant, Agricultural Statistics and Genetics*
WILLIAM GARFIELD KAMMLADE, B.S., *Assistant, Animal Husbandry*
JOHN CARL ROSS,[1] Ph.D., *Assistant, Animal Nutrition*
HENRY CARL ECKSTEIN, B.S., *Assistant, Animal Nutrition*

Courses for Undergraduates

Beef Cattle: Animal Husbandry 11a, 11b.

Breeding, Feeding, Management, and Marketing: Animal Husbandry 8, 21, 28, 29, 30, 32, 33; Farm Management 1.

General Judging: Animal Husbandry 1a, 2a, 4a, 5, 11a, 22.

Genetics: Animal Husbandry 30.

Horses: Animal Husbandry 4a, 4b, 17.

Meat: Animal Husbandry 10, 24.

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, 22, 23, 28, 29, 32, and Farm Management 1, are required to participate in a tour of inspection of representative markets, farms, herds, flocks, and studs.

[1] Resigned, November 1, 1916.

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). Professor COFFEY, Mr. HARPER

Prerequisite: Animal Husbandry, 5 or its equivalent.

1b. Sheep: Breeding, Feeding, and Management.—Pure bred and grade flocks; feeding, housing, and shepherding. Lectures; reference readings. *I*; (3). Professor COFFEY, Mr. HARPER

Prerequisite: Animal Husbandry 5, 8, and 21, or their equivalents. It is advisable to take 1a and 1b the same semester.

2a. Swine: Breeds and Market Classes.—History of the leading breeds; types, characteristics, and adaptability; market classes and grades; market reports. Lectures; judging. *II*; (2). Mr. CARMICHAEL, Mr. RICE

Prerequisite: Animal Husbandry 5 or its equivalent.

2b. Swine Husbandry.—Economic production of market and breeding hogs. Breeding, feeding, housing, care, sanitation, common diseases, and marketing. Lectures; assigned reading; quizzes. *II*; (3).

Mr. CARMICHAEL, Mr. RICE

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).

Assistant Professor EDMONDS, Mr. KAMMLADE

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 readings. *II*; (3).

Assistant Professor EDMONDS, Mr. KAMMLADE

Prerequisite: Animal Husbandry 5, 8, and 21, or their equivalents. It is advisable to take 4a and 4b the same semester.

5. Fundamentals of Live Stock Judging.—Names and location of external parts of the kinds of live stock; score card; comparative judging; breed identification; types of farm animals. (Required in the freshman year.) *I* or *II*; (3).

Mr. GUSLER and others

7. Principles of Animal Nutrition.—Composition and fuel value of feeding stuffs; digestion, absorption, and metabolism; elimination; coefficients of digestibility and nutritive value of feeding stuffs. *I*; (5).

Professor GRINDLEY, Dr. MITCHELL, Mr. SLATER

Prerequisite: Animal Husbandry 8 and 21; Chemistry 13a.

7a. Principles of Animal Nutrition.—The same as Animal Husbandry 7, for advanced students. Lectures; recitations. *I*; (3).

Professor GRINDLEY and Dr. MITCHELL

Prerequisite: Graduate standing, or advanced undergraduate standing and the approval of the instructors.

8. Principles of Breeding.—Evolution and genetics; origin of domesticated animals and plants; history of breeding; and new theories. (Required in the sophomore year.) *I* or *II*; (1).

Assistant Professor DETLEFSEN, Mr. ROBERTS, and others

NOTE.—See Animal Husbandry 21.

9. Investigation and Thesis.— *I* or *II*; (5-10).[1]

10. Meat.—Farm Butchering, curing, and care of meats; by-products; classes, grades, and cuts of meat in wholesale and retail markets. (The class will leave on its annual Chicago trip, Thursday morning, April 5, 1917. The cost will be about $8.00.) *II*; (3). Professor COFFEY, Mr. AUGUSTUS

Prerequisite: Two years of university work.

11a. Beef Cattle.—Breeds and market classes; history; beef types; classification and value of each grade according to current market reports. Judging; lectures; quizzes; assigned readings. *I*; (2). Assistant Professor RUSK, Mr. SNAPP

Prerequisite: Animal Husbandry 5 or its equivalent.

11b. Beef Production —Pure bred herds; breeding for market; beef and milk production; cattle feeding; age, grade, breed, condition, and sex; equipment; pork and manure as by-products. Lectures; quizzes; assigned readings (text book). *I*; (3). Assistant Professor RUSK, Mr. SNAPP

Prerequisite: Animal Husbandry 5, 8, and 21, or their equivalents.

It is advisable to take 11a and 11b simultaneously.

15. Dairy Cattle.—(See Dairy Husbandry 2 and 16.)

[**17. Education and Driving of the Horse.**—Mental qualities, peculiarities, and limitations of the horse; training for labor or the road; correct driving; responsibilities of the driver; courtesies of the highway. Lectures; readings; practise. *II*; (2). Not given, 1916-17. Assistant Professor EDMONDS

Prerequisite: Animal Husbandry 4a and 4b; three semesters' work in the University or its equivalent.]

21. Principles of Feeding.—Feed nutrients; classification and values of feeding stuffs; feed requirements and balanced rations for farm animals. (Required in the sophomore year.) *I* or *II*; (2). Mr. BULL, Mr. WHISENAND, and others

Prerequisite: Chemistry 1 or 1a, Chemistry 2 and 3, 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 for feed lot, market, and exhibition; judging at live stock shows. (Dec. 21, 22, and 23, 1916, were spent in visiting breeders in northern Illinois and southern Wisconsin, and in a visit to the University of Wisconsin. The cost of this trip was about $25.00.) *I*; (3). Professor MUMFORD and heads of divisions

Prerequisite: Animal Husbandry 1a, 2a, 4a, 11a, or their equivalents.

23. Poultry: Types, Breeds, and Varieties.—Exhibiting and judging; 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 are taken, the total cost of which will not exceed $10.00). *II*; (5). Mr. BARTOW

Prerequisite: Animal Husbandry 5, or its equivalent.

24. Meat.—Influence of type, condition, age, sex, and feeds on the yield and market grade of meat products. *II*; (2-5).[1]

Professor COFFEY

Prerequisite: Animal Husbandry 10, and 1a or 2a or 11a; three years' work in the University, or its equivalent.

[1] In 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*.

26. Swine Husbandry.—Special problems. *II*; (2-5).[1] Mr. CARMICHAEL

Prerequisite: Animal Husbandry 2a, 2b; three years' work in the University, or its equivalent.

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] Professor COFFEY

Prerequisite: Animal Husbandry 1a, 1b; three years' work in the University, or its equivalent.

28. Advanced History of Breeds of Live Stock.—Methods of great breeders; performances and pedigrees of famous animals; breed type as exemplified in the University and other herds. Lectures; assigned readings; problems. (Dec. 21, 22, and 23, 1916, were spent in visiting breeders in northern Illinois and southern Wisconsin and in a visit to the University of Wisconsin. The cost of the trip was about $25.00.) *I*; (3-5).[1]

Breeds offered, 1916-17

Beef Cattle	Shorthorns, Aberdeen Angus
Horses	Percherons, Belgians, Standard breds
Swine	Berkshires, Duroc Jerseys
Sheep	Shropshires, Southdowns

Breeds offered, 1917-18

Beef Cattle	Herefords, Galloways
Horses	Shires, Clydesdales, American Saddlers
Swine	Poland Chinas, Chester Whites
Sheep	Rambouillets, Oxford Downs

Professor MUMFORD and heads of divisions

Prerequisite: "a" and "b" courses in class of live stock elected. See note at the beginning of the description of animal husbandry courses.

29. Systems of Live Stock Farming.—Management, climate, soil, topography, location for markets; land, labor, capital, and managing ability as factors influencing the choice and adaptation of systems of production. Planning of farms for mixed and live stock systems. (The class visits some of the farms included in the Farm Management investigations being conducted by the department. This trip costs about $15.00.) *II*; (2). Assistant Professor HANDSCHIN, Mr. WILCOX

Prerequisite: Animal Husbandry 5, 8, and 21, and 6 hours' credit from 1b, 2b, 4b or 11b; Farm Management 1. See note at beginning of description of animal husbandry courses.

30. Genetics.—Heredity, variation, elements of biometry, and their practical application to breeding. Lectures; demonstrations; laboratory. *II*; (5).

Assistant Professor DETLEFSEN, Mr. ROBERTS, Mr. THORNE

Prerequisite: Two years of university work. Before registering, students must secure the approval of the instructor.

31. Advanced Course in Animal Nutrition.—Digestion, histology and composition of the body tissues; metabolism; effect of food nutrients on metabolism; the fasting catabolism; food requirements and feeding standards; growth; proteins and amino acids. Lectures; recitations; laboratory. *II*; (5). Dr. MITCHELL

[1] In 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*.

Prerequisite: Animal Husbandry 7 or Chemistry 15. An elementary knowledge of organic chemistry is also desirable.

32. Marketing Live Stock.—Marketing live stock and their products. Advertising and sale of surplus pedigreed live stock. (Certain inspection trips are required of the class. The expense of these trips is about $15.00.) *II*; (2).

Professor MUMFORD, Mr. WILCOX

Prerequisite: Two years of university work. At least 4 credits in Animal Husbandry 1a, 2a, 4a, and 11a. See note at beginning of description of animal husbandry courses.

33. Animal Husbandry Practicums.—The operations necessary in the barn and stable management of live stock. One hour credit will be given for each two classes of live stock elected. *II*; (1-2).[1] Heads of divisions

Prerequisite: Limited to senior students specializing in animal husbandry.

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 a course of study in agriculture 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; I, II;* (*½ unit*). Professor DAVENPORT

[**110. Animal Nutrition.**—Biochemistry, digestion, metabolism, and nutritive value of the proteins. Lectures; seminar. *Twice a week; I, II;* (*1 unit*). *Alternates with Animal Husbandry 111.* Not given, 1916-17.

Professor GRINDLEY, Dr. MITCHELL]

111. Animal Nutrition.—Biochemistry, digestion, metabolism, and nutritive value of the fats and lipoids, the carbohydrates, and the inorganic substances. Lectures; seminar. *Twice a week; I, II;* (*1 unit*).

Professor GRINDLEY, Dr. MITCHELL

112. Research.—Opportunity is afforded to pursue investigations along the following lines:

(a) Economic factors involved in meat production.

Professor MUMFORD, Professor COFFEY, Assistant Professor RUSK

(b) Systems of live stock farming. Assistant Professor HANDSCHIN

(c) The valuation of pedigrees. Professor MUMFORD

(d) Animal Nutrition. The chemistry of feeding stuffs; metabolism experiments and biochemical studies connected with the nutrition of farm animals.

Professor GRINDLEY, Dr. MITCHELL

(e) Genetics. Problems in heredity and variation.

Assistant Professor DETLEFSEN

(f) Factors affecting the quality, quantity, strength, and condition of wool.

Professor COFFEY

(*a*), (*b*), (*c*), *and* (*f*) *one to three times a week;* (*d*) *and* (*e*) *five times a week; I, II;* (*1 to 2 units*).

[1] In registering for a course with variable credit hours, a student must put down on his study-ist, *not* the possible hours, as shown here, but the number of hours for which *he* intends to take the ourse; e. g., not *1-2*, but, *1*, or *2*.

117. Genetics.—Study and criticism of genetic experiments, biological and mathematical methods employed, and the validity of the conclusions. *Three to five times a week; I, II;* (*1 to 2 units*). Assistant Professor DETLEFSEN

FARM MANAGEMENT

1. Elementary Farm Management.—The factors of production; systems of farming, their distribution and adaptation; organization; the distribution of capital; planning the farm; administration or operation; planning of work; labor; management efficiency. Lectures; quiz. (The trip required in this course is the same as in Animal Husbandry 29.) *II*; (3).

Assistant Professor HANDSCHIN, Mr. ANDREWS

Prerequisite: Three semesters of required work; Economics 1 or 2 and Accountancy 11.

It is also very important that the student have credit or be registered in Agronomy 12, and have at least 6 hours credit in Animal Husbandry 1b, 2b, 4b, or 11b.

ARCHITECTURE

LORING HARVEY PROVINE, B.S., A.E., *Professor*
NATHAN CLIFFORD RICKER, D.Arch., *Professor*, Emeritus
NEWTON ALONZO WELLS, M.P., *Professor, Architectural Decoration*
JAMES MCLAREN WHITE, B.S., *Professor, Architectural Engineering, Supervising Architect*
PERCY ASH, B.S., C.E., *Assistant Professor, Architectural Design*
WILLIAM CALDWELL TITCOMB, A.B., B.S., *Assistant Professor, Architecture*
CHARLES RICHARD CLARK, B.S., M.Arch., *Assistant Professor, Architectural Construction*
ROBERT TAYLOR JONES, B.S., *Associate, Architecture*
RHODES ROBERTSON, A.B., M.Arch., *Associate, Architectural Design*
WILLIAM SIDNEY WOLFE, B.S., M.S., *Instructor, Architectural Engineering*
RALPH STANLEY FANNING, B.S., *Instructor, Architectural Design*
WILLIAM MACEY STANTON, B.S., M.S., *Instructor, Architectural Design*
CARL VICTOR BURGER, B.Arch., *Instructor, Freehand Drawing*
LEMUEL CROSS DILLENBACK, A.M., *Instructor, Architectural Design*
RALPH EDWARD MUEHLMAN, *Instructor, Architectural Design*
OWEN J T SOUTHWELL, M.S., *Instructor, Architectural Design*
CYRUS EDMUND PALMER, M.S., *Instructor, Architectural Engineering*
JOSEPH EDWIN BURGESS, B.P., *Instructor, Freehand Drawing*
WINIFRED FEHRENKAMP, B.L.S., *Librarian*

13, 14, 15, 16. History of Architecture.—Effects of political, economic, and local conditions; material, climate, structural systems, the various countries and periods; evolution of forms. Illustrated lectures; quizzes. *I, II*; (2).

Professor RICKER

Prerequisite: Sophomore standing in architecture or architectural engineering, or Architecture 31 and 32.

23-24. Freehand Drawing.—Charcoal drawing from the cast. Water color work. *Six hours drawing a week. I, II;* (2). Mr. BURGER, Mr. BURGESS

Prerequisite: Architecture 32.

25. Freehand Drawing.—Arrangement of form and color; rhythm and sequence; harmony and contrast. *Six hours drawing a week. I;* (2). Mr. BURGER

Prerequisite: Architecture 23-24.

26. Freehand Drawing.—Charcoal, pen, pencil, and water color drawing from the cast and from still life. Out-of-door sketching. *Six hours drawing a week. II;* (2). Mr. BURGER

Prerequisite: Architecture 23-24.

27. Freehand Drawing.—Sketching from still life; proportions. *Six hours drawing a week. I;* (2). Professor WELLS

Prerequisite: Architecture 25-26.

28. Freehand Drawing.—Water color; original decorative composition; out-of-door sketching. *Six hours drawing a week. II;* (2). Professor WELLS

Prerequisite: Architecture 25-26.

31. Architectural and Freehand Drawing.—Instruments, pen, pencil, and brush; lettering; shades and shadows; perspective. Charcoal drawing from the cast. *One lecture and ten hours drawing a week. I;* (4).

Mr. MUEHLMAN, Mr. FANNING, Mr. BURGER

Prerequisite: Registration in General Engineering Drawing 2.

32. Architectural and Freehand Drawing.—Elements of architecture; walls, mouldings, doors, windows, the Orders, vaults, roofs, stairs. Wash rendering, stereotomy, charcoal drawing from the cast. Lectures and sketching. *One lecture and ten hours of drawing a week. II;* (4).

Mr. MUEHLMAN, Mr. FANNING, Mr. BURGER

Prerequisite: Architecture 31.

33-34. Design.—(Elementary.) Rendered order and sketch problems involving simple composition; library research in elements of composition. *One lecture and nine hours of drawing a week. I, II;* (3).

Assistant Professor TITCOMB, Mr. ROBERTSON, Mr. STANTON

Prerequisite: Architecture 31, 32.

35-36. Design.—(Intermediate.) Rendered plan and sketch problems; library research in plan and interior elements. *Fifteen hours of drawing a week. I, II;* (5).

Assistant Professor TITCOMB, Mr. ROBERTSON, Mr. STANTON

Prerequisite: Architecture 33-34.

37. Design.—(Advanced.) Original design. *Twenty-one hours of drawing a week. I;* (7). Assistant Professor ASH

Prerequisite: Architecture 35-36.

38. Advanced Design or Thesis.—An extended original problem in design or construction. *Twenty-one hours of drawing a week. II;* (7).

Assistant Professor ASH

Prerequisite: Architecture 37.

43. Working Drawings.—Woods; structural and decorative properties; detailing on a large scale; floors, walls, roofs, doors, windows, cornices, stairs, wainscoting, cabinet-work, interior finish. Kidder's *Building Construction, Part II. Two lectures and four hours of drawing a week. I;* (3). Mr. JONES, Mr. FANNING

Prerequisite: General Engineering Drawing 2; Architecture 31, 32.

44. Working Drawings.—Materials for stone masonry; kinds of masonry and external finish; tools for stone cutting; brick masonry; terra cotta; columns, beams,

girders, and footings; joints and connections. Kidder's *Building Construction and Superintendence, Part I. Two lectures and four hours of drawing a week. II;* (3).
Mr. JONES, Mr. FANNING

Prerequisite: General Engineering Drawing 2; Architecture 31, 32, 43.

45. Graphic Statics.—Trussed roofs, steel and masonry arches, domes. The graphical representation of reactions, bending moments, shear and deflection in beams. (For architects.) *One lecture and six hours of drawing a week. I;* (3).
Assistant Professor CLARK, Mr. WOLFE

Prerequisite: Theoretical and Applied Mechanics 14, 15, 16. Architecture 43, 44.

46. Roofs.—Wooden and steel roofs; determination of section of members; design of joints; mill and steel skeleton construction. *One lecture and six hours of drawing a week. II;* (3). Assistant Professor CLARK, Mr. WOLFE

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.) Cosgrove's *Principles and Practise of Plumbing.* Recitations; lectures; designs for special problems. *I;* (1).
Mr. JONES

Prerequisite: Physics 9a-9b, 10a-10b; Architecture 43, 44.

59. Domestic Architecture.—(Given in connection with Household Science 2.) Lectures; criticism. *I.* Assistant Professor ASH, Assistant Professor CLARK

60. Special Lectures.—Special lectures on architectural subjects. (For architects.) *II*; (1). Assistant Professor CLARK

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).
Professor WELLS

Prerequisite: Registration in Architecture 25, 26.

67. Theory of Form.—Arrangement of form; architectural ornament and composition, proportion and balance. *Six hours of drawing a week. I;* (2).
Professor WELLS

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.) *II*; (3).
Assistant Professor PROVINE, Professor CLARK

Prerequisite: Senior standing in architecture.

99. Inspection Trip.—*I*; (*no credit*).

Prerequisite: Senior standing.

Courses for Graduates

Entrance on graduate work in architecture presupposes the full under-graduate 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.*
Professor RICKER, Professor PROVINE

102. Sanitation of Buildings.—The planning of sanitation, warming, and ventilation. *I, II.* Professor RICKER, Mr. CLARK

103. Advanced Architectural Graphics.—Graphic statics. Unusual types of footings, columns, and trusses. *I* or *II.*

Professor RICKER, Professor PROVINE

104. Architectural Design.—Advanced course. *I* or *II.*

Assistant Professor ASH

105. Architectural Practise.—Contracts, specifications, and office methods; architectural jurisprudence. *I* or *II.*

Professor RICKER, Professor PROVINE

106. Advanced Architectural History.—Special research. *I* or *II.*

Professor RICKER

ARCHITECTURAL ENGINEERING

33. Architectural Drawing.—Lettering, elements of architecture; walls, mouldings, doors, windows, shades and shadows, perspective, the Orders, vaults, roofs, stairs, wash rendering, stereotomy, charcoal, drawing from the cast. Lectures and sketching. *Nine hours of drawing a week. I;* (3). Mr. SOUTHWELL

Prerequisite: General Engineering Drawing 1, 2.

34. Design.—(Elementary.) Rendered order and sketch problems; library research. *Nine hours of drawing a week. II;* (3). Mr. SOUTHWELL

Prerequisite: Architectural Engineering 33.

35-36. Design.—(Intermediate.) Rendered plan and sketch problems; library research. *Nine hours of drawing a week. I, II;* (3). Mr. DILLENBACK

Prerequisite: Architectural Engineering 33, 34.

43. Working Drawings.—Woods; structural and decorative properties; floors, walls, roofs, doors, windows, cornices, stairs, wainscoting, cabinet-work, interior finish. (For architectural engineers.) *One recitation and three hours of drawing a week. I;* (2). Mr. JONES, Mr. FANNING

Prerequisite: Architectural Engineering 31; General Engineering Drawing 2.

44. Working Drawings.—Materials for stone masonry; kinds of masonry and external finish; tools for stone cutting; brick masonry; terra cotta; columns, beams, girders; joints and connections. *One recitation and three hours of drawing a week. II;* (2). Mr. JONES, Mr. FANNING

Prerequisite: Architectural Engineering 33, 43; General Engineering Drawing 1, 2.

45. Graphic Statics.—Elements, and applications to forces; beams under fixed and moving loads. *One lecture and six hours of drawing a week. I;* (3).

Assistant Professor CLARK, Mr. PALMER

Prerequisite: Theoretical and Applied Mechanics 20; registration in Theoretical and Applied Mechanics 25. Architectural Engineering 43, 44.

46. Advanced Graphic Statics.—The analysis of masonry arches, domes, and vaults; large and unusual forms of roof trusses. *One lecture and six hours of drawing a week. II;* (3). Assistant Professor CLARK, Mr. PALMER

Prerequisite: Architectural Engineering 45.

47. Architectural Engineering.—Design and working drawings of trusses,

members and joints, plate girders, chimneys; investigations of wind bracing. *Fifteen hours of drawing a week or the equivalent. I;* (5).

Mr. WOLFE, Mr. PALMER

Prerequisite: Theoretical and Applied Mechanics 26; Architectural Engineering 44, 46.

48. Architectural Engineering.—Design and detail of footings; investigation of framed structures; working drawings. *Fifteen hours of drawing a week or the equivalent. II;* (5). Mr. WOLFE, Mr. PALMER

Prerequisite: Architectural Engineering 47.

57. Fireproof Construction.—Principles and design of fireproof construction; the advantages of each type. *Two lectures or recitations a week. I;* (2).

Assistant Professor CLARK

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. *Six hours of drawing a week. II;* (2).

Assistant Professor CLARK

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.) Cosgrove's *Principles and Practise of Plumbing.* Recitations, lectures and quizzes; designs for special problems. *I;* (2). Mr. JONES

Prerequisite: Physics 1a-3a, 1b-3b. Architectural Engineering 43, 44.

68. Estimates and Specifications.—Methods of estimating, illustrated by problems; specifications, their general and special clauses, and arrangement; relations of architect, owner, and builder. (For architectural engineers.) *Four recitations a week. II;* (4). Professor PROVINE, Assistant Professor CLARK

Prerequisite: Senior standing in architectural engineering.

99. Inspection Trip.—*I*; (*no credit*).

Prerequisite: Senior standing.

ART AND DESIGN

EDWARD JOHN LAKE, B.S., *Assistant Professor*
CHARLES EARL BRADBURY, B.P., *Associate*
MARY MINERVA WETMORE, *Instructor*
GIDEON ROBERT FORBES, M.L.A., *Instructor*

1. Freehand Drawing.—Practise drawing in charcoal and pencil; perspective principles with application; light, shadows, shade, and reflections in monochrome; lectures and reference reading on graphical representation and the reproductive processes in printing. *I* or *II*; (3).

Assistant Professor LAKE, Mr. BRADBURY, Mr. FORBES

2. Light and Shade.—Shaded drawing in monochrome in preparation for painting in oils and water-colors, with emphasis on values and composition. *II*; (2).

Mr. BRADBURY

Prerequisite: Art and Design 1.

3a-3b. Drawing from the Antique.—Practise drawing from plaster models and from life of anatomical forms in monochrome in preparation for painting the human figure; anatomical proportion and construction, with lectures on proportion, construction, composition, and action in the representation of the human figure. Either semester may be taken separately. *I, II*; (3). Mr. BRADBURY

Prerequisite: Art and Design 1.

4a-4b. Water Color Painting.—Practise painting of still-life; flowers, and sketching out-doors, with application to pictorial and decorative art. *I, II*; (3). Miss WETMORE

Prerequisite: Art and Design 1, 2.

5a-5b. Drawing from Life.—Drawing in monochrome from life, with application to pictorial and decorative purposes. *I, II*; (3). Miss WETMORE

Prerequisite: Art and Design 1, 3a or 3b.

6a-6b. Portrait in Oil Colors.—Painting in oil colors from costumed model, with special attention to portrait and character study. *I, II*; (3). Miss WETMORE

Prerequisite: Art and Design 1, 3a or 3b, 5a-5b.

6c. Portrait in Oil Colors.—(Advanced course.) A continuation of 6a-6b. *II*; (3). Miss WETMORE

Prerequisite: Art and Design 1, 3a or 3b, 5a-5b.

7a-7b. Still-Life in Oil Colors.—Practise painting of still-life; flowers and sketching out-doors in oil colors, with application to pictorial and decorative art. *I, II*; (3). Miss WETMORE

Prerequisite: Art and Design 1, 2.

7c. Still-Life in Oil Colors.—(Advanced course.) A continuation of 7a-7b. *II*; (3). Miss WETMORE

Prerequisite: Art and Design 1, 2.

8a-8b. Modeling.—Clay modeling of anatomical and decorative forms; the making of plaster molds and models; relative study of sculptural art. *I, II*; (3). Assistant Professor LAKE

Prerequisite: Art and Design 1.

10. Sketching.—Practise in pen, pencil; monochrome wash or charcoal rendering from landscape, still-life, and figure, with especial attention to the requirements for reproduction. *I* or *II*; (1). Mr. BRADBURY

Prerequisite: Art and Design 1.

12. Design.—Lectures on the theory of pure design and the effect of material on execution; the fitness of various forms of media for different sorts of design; space division and space relations; color; color schemes and exercises; conventionalization of natural forms for various functions; practise in execution. *I* or *II*; (2). Mr. FORBES

Prerequisite: Art and Design 1.

14. Design.—(Advanced Practise.) Designs executed on a special field and in a medium selected by the student. Extended study of a chosen field of design. *I* or *II*; (3). Mr. FORBES

Prerequisite: Art and Design 1, 12.

19. History of the 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 the 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

S 1. Elementary.—Form drawing from still-life, cast, and nature; principles of outline and shading in pencil, charcoal, and crayon; lectures on perspective. (2).
Assistant Professor LAKE

S 12. Design.—The theory of pure design and the effect of material on execution; the fitness of different forms of media for different sorts of design; space division and space relations; color; color schemes and exercises; conventionalization of natural forms for various functions; practise in execution. (2).
Assistant Professor LAKE

S 20. History of the Fine Arts.—The periods and styles of architecture, sculpture, and painting during the Italian Renaissance and up to the present time. (2).
Assistant Professor LAKE

ASTRONOMY

JOEL STEBBINS, Ph.D., *Professor*
FRANK WALKER REED, Ph.D., *Instructor*
PETER HORATIO LUCAS, A.B., *Research Assistant*

No major is offered in astronomy. Students may well make mathematics or physics their major, and take Astronomy 7, 8, 14, and 15 as a minor.

Upper classmen without mathematical training may elect Astronomy 1. Astronomy 4 is for beginners but requires trigonometry. Credit is not given for both 1 and 4. Other courses should be taken in the order: 3, 15, 14, 7, 8.

Courses for Undergraduates

1. Elementary Astronomy.—Lectures; recitations; one evening a week at the observatory. *I*; (3). Professor STEBBINS

Prerequisite: Sophomore standing.

3. Astronomy for Engineers.—Rough and accurate determinations of latitude, azimuth, and time, especially with the ordinary surveyor's transit; the art of computing. *II*; (3). Professor STEBBINS

Prerequisite: Junior standing.

4. General Astronomy.—Lectures; recitations; two evenings a week at the observatory. *II*; (5). Dr. REED

Prerequisite: Mathematics 4.

For Advanced Undergraduates and Graduates

7-8. Theoretical Astronomy.—Celestial mechanics; theory of orbits; perturbations; canonical transformations. *I, II;* (3). Dr. REED

Prerequisite: Mathematics 9.

[**9-10. Celestial Mechanics.**—Properties of canonical systems of differential equations; integration by series; periodic and asymptotic solutions; integral invariants. *I, II*; (3). Not given, 1916-17. Dr. REED

Prerequisite: Mathematics 16; Astronomy 7-8.]

14. Observational Astronomy.—The working methods of an astronomical observatory; individual problems. *II;* (3). Professor STEBBINS

Prerequisite: Astronomy 15.

[**15. Geodetic Astronomy.**—The sextant, transit, and zenith telescope; methods similar to those of the United States Coast Survey. *I;* (3). Not given, 1916-17. Professor STEBBINS

Prerequisite: Mathematics 7.]

Courses for Graduates

101. Seminar and Thesis.—*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, 1916-17. Professor STEBBINS]

BACTERIOLOGY

(See also BOTANY)

JOEL ANDREW SPERRY, 2d, Ph.D., *Associate*
FRED WILBUR TANNER, Ph.D., *Instructor*
CECIL ROBERT GROSS, B.S., *Assistant*
EDWIN F. VOIGT, B.S., *Assistant*

NOTE.—No major is offered for the present in Bacteriology.

1. Elementary Bacteriology.—Laboratory methods; technique and observations on the morphology and general physiology of bacteria and allied microorganisms. Open only to students in the College of Agriculture and in the Medical College curriculum. *I;* (3). Dr. SPERRY, Mr. VOIGT

Prerequisite: Chemistry 2a.

5. Introductory Bacteriology.—Morphology and physiology of bacteria and related microorganisms; technique of cultivation and observation. *I* or *II*; (5). Dr. TANNER, Mr. GROSS, Mr. VOIGT

Prerequisite: Chemistry 2a.

6. Bacteriology for Sanitary Engineers.—Bacteriological and microscopical methods applied to the examination of water and sewage. Filtration, sterilization, and filter control. *I;* (2½). Dr. SPERRY, Dr. TANNER

Prerequisite: Chemistry 10b.

Courses for Advanced Undergraduates and Graduates

8. Applied Bacteriology.—Decay of organic matter in nature; soil and sewage bacteria; food bacteria; water bacteria; pathogenic bacteria. Laboratory; lectures; assigned readings; reports. *II*; (5). Dr. TANNER

Prerequisite: Bacteriology 5 or its equivalent; Chemistry 9.

18a-18b. Journal Meeting.—Required of all students specializing in bacteriology. *I, II*; (1). Dr. SPERRY

Prerequisite: Bacteriology 5, or equivalent.

20. General Bacteriology.—(For advanced students who do not major in bacteriology.) Laboratory methods, technics of cultivation and observation and study of biochemical reactions. Laboratory; lectures; assigned readings; reports

from Lafar's *Handbuch der technischen Mykologie*, and Kruse's *Allgemeine Mikrobiologie*. Replaces Bacteriology 19. Not open to students who have had Bacteriology 5. *I;* (5). Dr. TANNER

Prerequisite: Two years of college chemistry and senior standing.

26. Pathological Bacteriology.—The disease producing organisms, their effect on the animal, and the reaction of the host. Lectures; laboratory. *II*; (3). Dr. SPERRY

Prerequisite: Bacteriology 1 or 5; junior standing.

27. Epidemiology.—The ways in which communicable diseases are spread; methods of control. Lectures. *I*; (2). Dr. SPERRY

Prerequisite: Bacteriology 5; junior standing.

Courses for Graduates

The work outlined below is open only to graduate students who have had at least one year's work in bacteriology, and satisfactory training in chemistry.

[**103. Physiology of Bacteria.**—Fermentation; growth and death of bacteria. *I;* (*1 unit*). Not given, 1916-17. Dr. SPERRY]

105. Classification of bacteria.—Variability of species; characters; mutations; standard and biometrical classifications. *II;* (*1 unit*). Dr. SPERRY

107. Research in Bacteriology.—The physiology of bacteria; food bacteriology. *I, II;* (*1 or 2 units*). Dr. SPERRY

BANKING

(See ECONOMICS.)

BIOLOGY

(See BOTANY, ENTOMOLOGY, PHYSIOLOGY, and ZOOLOGY.)

BOTANY

(See also BACTERIOLOGY.)

WILLIAM TRELEASE, D.Sc., LL.D., *Professor*
CHARLES FREDERICK HOTTES, Ph.D., *Professor*
FRANK LINCOLN STEVENS, Ph.D., *Professor*
JOEL ANDREW SPERRY, 2d., Ph.D., *Associate Bacteriology*
STELLA MARY HAUGE, Ph.D., *Instructor*
WALTER BYRON MCDOUGALL, Ph.D., *Instructor*
FRED WILBUR TANNER, Ph.D., *Instructor, Bacteriology*
NORA ELIZABETH DALBEY, A.M., *Assistant*
FORREST ELLWOOD KEMPTON, M.S., *Assistant*
WILLIAM EUGENE PICKLER, A.B., *Assistant*
LEE ELLIS MILES, A.B., *Assistant*
WALTER SPURGEON BEACH, M.S., *Assistant*
ESTHER YOUNG, A.M., *Assistant*
CECIL ROBERT GROSS, B.S., *Assistant, Bacteriology*
HARRY WARREN ANDERSON, A.M., *Assistant*
MARY EMMA RENICH, A.M., *Assistant*
RICHARD ALONZO GANTZ, A.B., *Assistant*
TRUMAN GEORGE YUNCKER, A.M., *Assistant*
LEO ROY TEHON, A.B., *Assistant*
EDWIN FREDERICK VOIGT, B.S., *Assistant, Bacteriology*

Major: 20 hours exclusive of Botany 1 and 4, 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. 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 or 27b; (b) Specializing in morphology; 2a, 2b, 3a, 4a, 4b, or 24; (c) Specializing in pathology; 2a or 3a, 7a, 7b, 28a or 28b, 4a, or 17a-17b, or 21; (d) Specializing in physiology; 3a, 27a-27b, 9a or 9b; (e) Specializing in taxonomy; 2a, 4a or 4b, 16a-16b, or 17a-17b, or 26a-26b, or 28a-28b; (f) Specializing in ecology; 4a, 23, 24, 25a, or 25b, and 27a, or 27b.

Students taking botany as a foundation for agronomy or horticulture are advised to select courses 1, 3a, or 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-27b, and advanced work in one or more of the special courses 9a-9b, 16a-16b, 17a-17b, or 25a-25b.

Courses for Undergraduates

1. General Botany.—The structure, physiology, natural history, and uses of plants. Lectures, quiz, laboratory. *Students are advised to complete elementary chemistry before taking this course. I* or *II;* (5).

Professor TRELEASE, Dr. MCDOUGALL, and assistants

2a. Morphology of Thallophytes.—The lower plants. Laboratory. *I*; (5).

Dr. HAGUE

Prerequisite: Botany 1.

2b. Morphology of Cormophytes.—The higher plants. Laboratory. *II*; (5).

Dr. HAGUE

Prerequisite: Botany 1.

3a. Plant Anatomy, Histology, and Technique.—Plant structure; protoplasts; the nucleus; fixing, sectioning, staining, and examining tissues, modeling from serial sections; photomicrography. *II*; (5). Professor HOTTES

Prerequisite: Botany 1.

4. The Local Flora.—Morphology, identification, and classification of wild plants. Laboratory; field work. (For students desiring 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; field work on flowering plants, and weeds. *II*; (5). Professor TRELEASE

Prerequisite: Botany 1.

4b. Taxonomy of Algae and Bryophytes.—Structure, identification, and classification. *I*; (5). Dr. HAGUE

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. Plant Pathology.—Causal agents, symptoms, diagnosis, and treatment. *I*; (5). Professor STEVENS

Prerequisite: Botany 1.

20. Plant Diseases.—More important diseases of commonly cultivated plants; diagnosis and treatment. Lectures and laboratory. (Credit in the College of Agriculture only.) *II;* (3) Professor STEVENS

Prerequisite: Botany 1.

[**21. Crop Diseases.**—Structure, identification, and treatment. *I*; (3). Not given in 1916-17. Professor STEVENS

Prerequisite: Botany 20 or 7a.]

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. *I*; (3). Dr. MCDOUGALL

Prerequisite: Botany 1.

24. Taxonomy and Ecology of the Higher Fungi.—Structure, identification, classification, and ecological relations. Special attention is given to edible and poisonous mushrooms. Lectures; laboratory; field work. *II*; (3). Dr. MCDOUGALL

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.

Courses for Advanced Undergraduates and Graduates

Students who take courses open for credit to graduates are advised to register also for Botany 10a-10b, the weekly meeting devoted to current literature in botany, which is obligatory for candidates for an advanced degree with botany as a major subject.

Candidates for advanced degrees in botany must offer for admission to the graduate courses at least 20 hours of college work in botany, exclusive of Botany 1, and inclusive of courses 2a, 4a, 27a, or 27b and either 7a, 9b, 17a, or 17b, or equivalent.

Graduate students who elect botany for minor credit must offer the equivalent of 10 hours of college work in botany, exclusive of Botany 1, as a prerequisite to the courses listed for advanced undergraduates and graduates.

7b. Methods in the Study of Fungi.—Methods of isolation, cultivation, and inoculation of fungi and bacteria. *II*; (5). Professor STEVENS

Prerequisite: Ten hours of botany, including Botany 7a; junior standing.

9a-9b. Plant Anatomy or Physiology.—Problems for those specializing either in anatomy with technics, or in physiology, or in the application of these to plant breeding, crop production, and forestry. *I, II*; (3 or 5).[1]

Professor HOTTES

Prerequisite: 10 hours of Botany, including Botany 3a; junior standing.

10a-10b. Current Botanical Literature.—A weekly review covering the field of botany; supplementary to the various seminar conferences. *I, II*; (1).
Professor TRELEASE, Professor HOTTES, Professor STEVENS, Dr. HAGUE, Dr. McDOUGALL

Prerequisite: Concurrent taking of some course in botany open for graduate credit.

16a-16b. Taxonomy of Algae and Bryophytes.—Advanced practise on selected groups. *I, II*; (3 or 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 and Ecology of Cormophytes.—Advanced practise on selected taxonomic, ecological, or economic groups. Genera or families of Illinois plants, ecological association or adaptations, 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 or 5).[1] Professor TRELEASE

Prerequisite: 10 hours of botany, including Botany 4a; junior standing.

[**22a. Morbid Histology.**—The parasites of plant tissues and their histology in condition of disease. *I*; (3 or 5).[1] Not given, 1916-17.

Professor STEVENS

Prerequisite: Botany 3a and 7a or 7b; junior standing.]

22b. Groups of Fungi and Crop Diseases.—*II*; (3 or 5).[1]

Professor STEVENS

Prerequisite: 10 hours of botany, including 7a or 7b; junior standing.

25a-25b. Plant Ecology —Advanced studies in the ecology of plants or of plant communities. *I, II*; (3 or 5).[1] Dr. McDOUGALL

Prerequisite: 10 hours of botany, including Botany 23; junior standing.

[**26a-26b. Taxonomy of the Higher Fungi.**—Advanced practise on selected groups. *I, II*; (3 or 5).[1] Not given in 1916-17. Dr. McDOUGALL

Prerequisite: Botany 2a and 24; junior standing.]

28a-28b. Taxonomy of Economic Fungi.—Advanced practise on selected groups of parasitic fungi. *I, II*; (3 or 5).[1] Professor STEVENS

Prerequisite: 10 hours of botany, including Botany 7a; junior standing.

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[1] In 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 Graduates

[**101. Cytology.**—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;* (*½ to 2 units*). Not given, 1916-17. Professor HOTTES]

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;* (*½ to 2 units*). Professor HOTTES

104. Mycology.—Fungi. Individual assignments of subjects and problems in field and laboratory. *I, II;* (*½ to 2 units*). Professor STEVENS

106. Plant Pathology.—Diseases of plants, and disease agents. Special subjects are assigned on consultation. *I, II;* (*½ to 2 units*). Professor STEVENS

108. Taxonomy.—Monographic studies of critical groups. *I, II;* (*½ to 2 units*). Professor TRELEASE

109. Ecology.—The interrelations of plants with their environment. Individual subjects for investigation. *I, II;* (*½ to 2 units*). Dr. MCDOUGALL

Summer Session Courses

S 7a. Plant Pathology.—Causal agents, symptoms, morbid histology, diagnosis and treatment and methods of study. (5). Professor STEVENS, Mr. BEACH

Prerequisite: Entrance credit in botany, or botany 1.

S 4. The Local Flora.—Morphology, identification, and classification of wild plants. Laboratory; field work. (For students desiring acquaintance with the plants of Illinois, and especially for those qualifying as teachers in the public schools.) (3). Professor STEVENS, Mr. BEACH

Prerequisite: Entrance botany or its equivalent.

***S 16a. Taxonomy and Ecology of Fungi.**—Advanced practise on selected groups of fungi or groups of host plants. (3 or 5).[1] Professor STEVENS

Prerequisite: 10 hours of botany including 4c or 7a or equivalent.

***S 104. Mycology.**—Individual assignments of subjects and problems in field and laboratory. (3 or 5).[1] Professor STEVENS

***S 106. Plant Pathology.**—Diseases of plants and disease agents. Special subjects are assigned on consultation. (3 or 5).[1] Professor STEVENS

BUSINESS LAW

(See BUSINESS ORGANIZATION AND OPERATION.)

BUSINESS ORGANIZATION AND OPERATION

(Including ACCOUNTANCY and BUSINESS LAW.)

LEWIS EMANUEL YOUNG, Ph.D., *Assistant Professor*

ROBERT ENOCH HIERONYMUS, A.M., LL.D., *Community Adviser; lecturer on commercial and civic organizations*

HIRAM THOMPSON SCOVILL, A.B., *Instructor*

[1] In 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 *1-2*, but *1*, or *2*.

HARRISON MCJOHNSTON, A.M., *Instructor*
ANANIAS CHARLES LITTLETON, A.B., *Instructor*
CHARLES LE DEUC, LL.B., Ph.D., B.A.M., *Instructor*
WILLIAM EVERETT BRITTON, A.M., J.D., *Instructor*
LLOYD MOREY, A.B., B.Mus., C.P.A., *Instructor*
GEORGE HILLIS NEWLOVE, A.M., *Assistant*
GEORGE BURR MCMILLEN, A.B., *Assistant*
HENRY DIXON OBERDORFER, B.S., *Assistant*

A. ACCOUNTANCY

Courses for Undergraduates

1a-1b. Principles of Accounting.—Accounting and bookkeeping. Accounting procedure from single to double entry. (*Students who present one unit of bookkeeping for entrance will not be allowed credit for the first semester's work and should register for the second semester only.* Except in case of such students credit is not given for either semester separately.) *I, II;* (3).
Mr. SCOVILL, Mr. LITTLETON, Dr. LE DEUC, Mr. NEWLOVE, Mr. MCMILLEN, Mr. OBERDORFER.

2a-2b. Advanced Accounting and Auditing.—Partnership and corporation accounts, depreciation, goodwill, reserves and sinking funds; special financial statements, reading balance sheets, illustrative problems. (Credit is not given for either semester separately.) *I, II;* (3).
Mr. SCOVILL, Mr. LITTLETON, Mr. NEWLOVE, Mr. MOREY

Prerequisite: Accountancy 1a-1b; Economics 7 or 26, 22 or 27; registration or credit in Economics 1.

3a-3b. Accounting Problems and Auditing.—Consolidated balance sheets; liquidation; the auditor's duties; schedules and reports. (Credit is not given for either semester separately.) *I, II;* (3). Mr. SCOVILL,

Prerequisite: Accountancy 2a-2b; Economics 3; credit or registration in Business Organization and Operation 1.

4a-4b. Cost Accounting.—(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. *I, II;* (2). Mr. SCOVILL

Prerequisite: Accountancy 2a-2b, Economics 1. For the current year, open also to juniors and seniors who have had Accountancy 1a-1b.

[5a-5b. **C. P. A. Problems.**—Representative problems of various types, including questions on theory and auditing. Credit is not given for either semester separately. *I, II;* (2). Not given, 1916-17.

Prerequisite: Accountancy 3a-3b.]

10. Shop Management and Shop Cost Records.—Cooperation between shop and cost departments; preparation and use of cost records; estimation of costs on contracts and calculation of profits. *II;* (2). Mr. SCOVILL

Prerequisite: Open only to students in engineering who have had Economics 1 or 2.

11. Farm Accounting.—Accounting and distribution of costs as applied to farm operations; proper investment of funds. *I;* (3).
Mr. SCOVILL, Mr. NEWLOVE, Mr. MCMILLEN

Prerequisite: Open only to students in agriculture who have had Economics 1 or 2.

13a-13b. Municipal and Institutional Accounting.—Budget making; appropriations; warrants; taxes; special assessments; system building; functional organization; control; reports; auditing. (The second semester's work may be taken without the first only on the approval of the instructor.) *I, II*; (2).

Mr. MOREY

Prerequisite: Accountancy 2a-2b.

Summer Session Course

S 15. Principles of Accounting.—(This course is not accepted in partial fulfillment of the requirement of Accountancy 1 in any University curriculum.) (2).

Mr. SCOVILL

Prerequisite: Elementary bookkeeping.

B. BUSINESS ORGANIZATION AND OPERATION

Courses for Undergraduates

1. **Business Organization and Operation.**—Individual proprietorship, partnership; and cooperation; the process of organizing a business; organization for operation and the reaction of form of organization on efficiency; graduation and interrelation of divisions and departments; departmental responsibility and authority, routine, and discipline. *I*; (3). Assistant Professor YOUNG

Prerequisite: Economics 1 and Accountancy 2a-2b. For the present year students who have had Accountancy 1a-1b may be admitted on application to the instructor.

2. **Organization and Control of Mercantile Distribution.**—Problems of organization and management of wholesale and retail establishemnts. Supervision and control of mercantile distribution by business associations, by consumers, and by political units. *II*; (2). Assistant Professor YOUNG

Prerequisite: Business Organization and Operation 1; Economics 28.

[3. **Business Procedure.**—Conventional business practises; cash and trade discounts; commissions; interest and discounts; forms and uses of checks, notes, drafts, and other instruments of credit and exchange; the rules and procedure of banking institutions; mercantile and credit agencies. Office organization and management. *I*; (2). Not given, 1916-17.

Assistant Professor YOUNG

Prerequisite: Business Organization and Operation 2.]

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). Mr. MCJOHNSTON

Prerequisite: Economics 1; Business Organization and Operation 1. For the present year former Economics 6 will be accepted in place of Business Organization and Operation 1.

8. Advertising.—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). Mr. MCJOHNSTON

Prerequisite: Business Organization and Operation 7.

9. Commercial and Civic Organizations.—The history of trade and similar organizations; methods of organization; expansion and promotion; the relation of such association to the life and welfare of the community and to one another; pro-

motion of community welfare by common action; work and duties of the secretary and other officers; the legal status and recent results. (For students preparing for positions as secretaries of commercial or agricultural associations, civic or welfare clubs, and similar organizations.) *II*; (1). Dr. HIERONYMUS

Prerequisite: Economics 1; Business Organization and Operation 2 or Economics 28; or Economics 2 and Farm Management 1; or Economics 1, Political Science 4, and Sociology 8.

10. Organization and Operation of Newspaper Publishing.—Growth of the industry in the United States; number, kinds, and distribution of newspapers; national organization; large scale production; buying and selling advertising; circulation; cost accounting and office systems; mechanical organization and equipment; shop management and labor problems. (Primarily for students specializing in journalism.) *II*; (2). Dr. RUSSELL

Prerequisite: Economics 1; junior standing.

Course for Undergraduates and Graduates

4. Industrial Organization and Management.—Organization and administrative policy; supervision and management of industries and industrial units. Relations to labor, the community and law. *II*; (2). Assistant Professor YOUNG

Prerequisite: Business Organization and Operation 2. For the present year Economics 10 and Accountancy 1a-1b will be accepted instead of 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

101. Regulation and Control of Mercantile Distribution.—Federal, state, and local regulation of mercantile business; unfair competition; trade agreements; trade mark; inspection of mercantile establishments; pure food acts; control over weights and measures, packing, storage, and shipment. *Twice a week; I; (1 unit).* Assistant Professor YOUNG

[**102. Scientific Management.**—History; proposed systems; results of the appplication of scientific principles in the management of various types of business enterprise. *Twice a week; I, II; (1 unit).* Not given, 1916-17. Assistant Professor YOUNG]

C. BUSINESS LAW

Courses for Undergraduates

1a-1b. Commercial Law.—Contracts, negotiable instruments, agency, partnerships, business corporations, sales of personal property, bailments and carriers, guaranty and suretyship, and insurance. *I, II*; (3). Dr. BRITTON

Prerequisite: Sixty hours of university credit, including Economics 1 and Accountancy 1a-1b.

2. Elementary Law.—Contracts; leases; landed property. (Open to junior and senior students in agriculture only.) *II*; (3). Dr. BRITTON

Prerequisite: Economics 1 or 2.

3. Business Law.—Contracts, negotiable instruments, agency, partnerships, corporations, sales of personal property, bailments and carriers, guaranty and surety-

ship, insurance, real property, and landlord and tenant. (Open to junior and senior students in engineering only.) *II*; (3). Assistant Professor YOUNG

Prerequisite: Economics 1 or 2.

Summer Session Course

S 1. Elementary Commercial Law.—Contracts, agency, partnerships, and other forms of business organization. (Not accepted for credit for students in the College of Commerce and Business Administration.) (2). Mr. SCOVILL

CERAMIC ENGINEERING

EDWARD WIGHT WASHBURN, Ph.D., *Professor, Ceramic Chemistry*
CULLEN WARNER PARMELEE, B.S., *Professor*
RALPH KENT HURSH, B.S., *Assistant Professor*
HOWARD C ARNOLD, A.M., *Instructor*

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 claywares, 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, 5, 6, 8, 10, 13, 14, 15, and 16.

Courses for Undergraduates

1. Ceramic Materials.—The properties of clays and other ceramic materials; identification of the varieties used in practical work. Lectures; laboratory. *I*; (3). Professor PARMELEE, Mr. ARNOLD

Prerequisite: Chemistry 4.

2. Winning and Preparation of Clays.—Machinery and processes used in preparing clays for market or manufacture; cost data. *I*; (3). Mr. ARNOLD

Prerequisite: Chemistry 5a.

3. Industrial Calculations.—Chemical and physical calculations applying to the operation of furnaces, kilns, and dryers, temperature measurements; ceramic stoichiometry. *II*; (3). Assistant Professor HURSH

Prerequisite: Ceramic Engineering 1, 2; Physics 1a-1b and 3a-3b.

4. Drying and Burning.—Clay wares; types of construction of industrial dryers and kiln plants; chemical and physical processes involved. *I*; (4). Assistant Professor HURSH

Prerequisite: Ceramic Engineering 1, 2, 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. ARNOLD

Prerequisite: Ceramic Engineering 1, 2.

6. Glazes.—Production of glazes and enamels; limits of composition; classification; properties and defects common to each class; effect of variation in composition; modes of application. Lectures; laboratory. *I*; (5). Professor PARMELEE, Mr. ARNOLD

Prerequisite: Ceramic Engineering 3, 5.

8. Glass.—Raw materials, preparation, compounding, melting, and shaping; chemical principles involved in the manufacture and decoration of the various types of vitreous silicates. Lectures. *II*; (2). Professor PARMELEE

Prerequisite: Ceramic Engineering 6.

9. Ceramic Construction.—Plans, specifications, and estimates for ceramic equipment and industrial plants. *II*; (4). Assistant Professor HURSH

Prerequisite: General Engineering Drawing 2; Ceramic Engineering 3, 4.

10. Cements.—Cements, limes, plasters; composition; reactions; methods of manufacture and testing. *I*; (3). Assistant Professor HURSH

Prerequisite: Ceramic Engineering 1, 2, 3.

11. Thesis.—*II*; (3).

Professor WASHBURN, Professor PARMELEE, Assistant Professor HURSH

12. Designing and Shaping.—Die construction; templates; master and working molds for pressing, casting, and jiggering. *II*; (3). Mr. ARNOLD

Prerequisite: Ceramic Engineering 1, 2.

17. Physical Chemistry with special reference to its application to Ceramic Materials and Processes.—Lectures; discussions; assigned reading. *I*; (3).

Professor WASHBURN

Prerequisite: Ceramic Engineering 3; Mathematics 8 or 7 and 9.

99. Inspection Trip.—Visits to industrial plants representative of various phases of ceramic work. *I*; (*no credit*).

Prerequisite: Senior Standing.

CHEMISTRY

WILLIAM ALBERT NOYES, Ph.D., LL.D., *Professor and Director*
SAMUEL WILSON PARR, M.S., *Professor*
HARRY SANDS GRINDLEY, D.Sc., *Professor*
EDWARD BARTOW, Ph.D., *Professor*
RICHARD CHACE TOLMAN, Ph.D., *Professor*
DAVID FORD MCFARLAND, Ph.D., *Associate Professor*
GEORGE MCPHAIL SMITH, Ph.D., *Assistant Professor*
HENRY CHARLES PAUL WEBER,[1] Ph.D., *Assistant Professor*
ROGER ADAMS, Ph.D., *Assistant Professor*
DUNCAN ARTHUR MACINNES, Ph.D.. *Associate*
GEORGE DENTON BEAL, Ph.D., *Associate*
B SMITH HOPKINS, Ph.D., *Associate*
HOWARD BISHOP LEWIS, Ph.D., *Associate*
HORACE GROVE DEMING, Ph.D., *Associate*
HENRY JOHN BRODERSON, Ph.D., *Instructor*
GEORGE WALLACE SEARS, Ph.D., *Instructor*
JESSIE YEREANCE CANN, Ph.D., *Instructor*
OLIVER KAMM, Ph.D., *Instructor*
GERARD VAN ROSSEN, Ph.D., *Instructor*
FLOYD WILLIAM MOHLMAN,[1] Ph.D., *Instructor*
EDGAR WALLACE ENGLE, Ph.D., *Instructor*
THEODORE ROLLY BALL, Ph.D., *Instructor*
FREDERICK OSBAND ANDEREGG, Ph.D., *Instructor*

[1]Resigned, February 28, 1917.

HERBERT E EASTLACK, Ph.D., *Instructor*
SCOTT CHAMPLIN TAYLOR, M.S., *Assistant*
LLOYD BRELSFORD HOWELL, A.B., *Assistant*
HARRY CLEVELAND KREMERS, M.S., *Assistant*
EDWIN ARTHUR REES, A.M., *Assistant*
GLENN SEYMOUR SKINNER, A.M., *Assistant*
JAY THOMAS FORD, M.S., *Assistant*
TERRENCE ONAS WESTHAEFER, M.S., *Assistant*
WALTER GERALD KARR, M.S., *Assistant*
ERNEST HENRY VOLLWEILER, A.M., *Assistant*
FRANK FARNSWORTH FOOTITT, M.S., *Assistant*
ALBERT WAFFLE OWENS, B.S., *Assistant*
FLOYD ELBA ROWLAND, A.M., *Assistant*
WILLIAM ALEXANDER VANWINKLE, B.S., *Assistant*
JOHN FREDERICK GROSS HICKS, M.S., *Assistant*
HENRY JOSEPH WIELAND, M.S., *Assistant*
HARRY JAMES BEATTIE, A.M., *Assistant*
RALPH EMERSON RINDFUSZ, A.M., *Assistant*
ALFRED RICHARD POWELL, A.M., *Assistant*
ARTHUR BLAINE HAW, B.S., *Research Assistant*
JAMES HARRIS OLEWINE, B.S., *Assistant*
LANSING SADLER WELLS, B.S., *Assistant*
HERBERT AUGUST WINKELMANN, B.S., *Assistant*
JOSEPH MARVIN BRAHAM, M.S., *Research Assistant*
PAUL ANDERS, *Assistant, Glass Blowing*
JAMES KEEL REED, A.B., *Graduate Assistant*
RUTH ELIZA OKEY, M.S., *Graduate Assistant*
LEONARD FRANCIS YNTEMA, A.B., *Graduate Assistant*
RALPH WILLIAM HUFFORD, A.B., *Graduate Assistant*
HELEN UPDEGRAFF, B.S., *Graduate Assistant*
LOUIS JORDAN, A.B., *Graduate Assistant*
MARGARET CAMPBELL PERRY, A.B., *Graduate Assistant*
JOHN BERNIS BROWN, B.S., *Graduate Assistant*
HERBERT EPHRAIM FRENCH, A.B., *Graduate Assistant*
CARL SHIPP MARVEL, A.M., *Graduate Assistant*
SARGENT GASTMAN POWELL, M.S., *Graduate Assistant*
CECIL WAYNE BOYLE, A.B., *Graduate Assistant*
WILLIAM LIONEL MCCLURE, A.B., *Graduate Assistant*
OTTO M SMITH, B.S., *Graduate Assistant*
HERMAN EDWARD REDENBAUGH, A.B., *Graduate Assistant*
LYNNE HERMAN ULICH, B.S., *Graduate Assistant*
ISAAC HOHN GODLOVE, A.M., *Graduate Assistant*
MINER MANLEY AUSTIN, A.B., *Graduate Assistant*
NORRIS FEY MURRAY, B.S., *Graduate Assistant*

Cooperating:
FRED WEAVER MUNCIE, Ph.D., *Associate, Floricultural Chemistry*
CLARENCE GEORGE DERICK, Ph.D., *Assistant Professor, Summer Session*
LAURENCE CRANE JOHNSON, Ph.D., *Research Assistant, Summer Session*
CHARLES HENRY HECKER, Ph.D., *Instructor, Summer Session*

Major: 20 hours, exclusive of chemistry 1, 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 1 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, or 9, 9a, and 9b, or 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 for Chemistry 1 or 1a in the second semester rather than in the first.

1. Inorganic Chemistry.—The non-metallic elements. Noyes: *Text-book of Chemistry. I* or *II;* (5).
Professor NOYES, Dr. HOPKINS, Dr. DEMING, Dr. SEARS, Dr. CANN, Dr. ENGLE, Dr. ANDEREGG, and assistants.

NOTE.—Students who have credit for high school chemistry should register for Chemistry 1a.

1a. Inorganic Chemistry.—Lectures; recitations; laboratory. (For students who have had one year of high school chemistry.) *I* or *II*; (3).
Professor NOYES, Dr. HOPKINS, Dr. DEMING, Dr. SEARS, Dr. CANN, Dr. ENGLE, Dr. ANDEREGG, and assistants.

Prerequisite: One year of entrance chemistry. Students whose preparation proves to be inadequate for continuing this course will be required to change their registration to Chemistry 1.

1b. Inorganic Chemistry.—Lectures; recitations; laboratory. (For students in engineering.) *I* or *II*; (4).
Professor NOYES, Dr. HOPKINS, Dr. DEMING, Dr. SEARS, Dr. CANN, Dr. ENGLE, Dr. ANDEREGG, 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).
Assistant Professor WEBER, Dr. HOPKINS, Dr. DEMING, Dr. SEARS, Dr. CANN, Dr. ENGLE, Dr. ANDEREGG, and assistants.

Prerequisite: Chemistry 1 or 1a.

3a. Inorganic Chemistry and Qualitative Analysis.—For students in chemistry and chemical engineering. *I* or *II*; (6). Assistant Professor WEBER, Dr. SEARS
Prerequisite: Chemistry 1 or 1a.

4. Qualitative Analysis and Chemistry of the Metallic Elements.—Class and laboratory work. (For students in engineering.) *I* or *II*; (4).
Assistant Professor WEBER in charge: Dr. SEARS, Dr. CANN, Dr. ENGLE, Dr. ANDEREGG, and assistants.

Prerequisite: Chemistry 1a or 1b.

5a. Elementary Qualitative Analysis.—Gravimetric and volumetric analysis; stoichiometrical relations and the application of the fundamental laws of chemistry to quantitative analysis. Lectures; recitations; laboratory. Talbot: *Quantitative Chemical Analysis.* *I* or *II;* (5).

Assistant Professor SMITH in charge. Dr. BALL, and assistants

Prerequisite: Chemistry 2a, or 3a, or 4.

5b. Advanced Analytical Chemistry.—Advanced qualitative analysis; the quantitative analysis of silicates, ores and alloys. Lectures; recitations; laboratory. Treadwell-Hall: *Analytical Chemistry.* Vol. II. *II;* (5).

Assistant Professor SMITH

Prerequisite: Chemistry 5a.

NOTE.—For Chemistry 5c, see Chemistry 25.

5d. Elementary Quantitative Analysis.—A modification of Chemistry 5a. (For students in mining engineering only.) *I*; (4).

Assistant Professor SMITH in charge

6.[1] **Chemical Technology.**—Technological chemistry as illustrated in those industries having a chemical basis for their principal operations and processes; trade journals. Lectures; recitations. Rogers and Aubert: *Industrial Chemistry.* *II;* (3). Associate Professor MCFARLAND

Prerequisite: Chemistry 5a and 14a.

7.[1] **Metallurgy.**—General metallurgy; metallurgy of iron and steel. Lectures; assigned reading; recitations. Fulton's *Principles of Metallurgy;* Stoughton's *Iron and Steel.* *I;* (3). Associate Professor MCFARLAND

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). Associate Professor MCFARLAND

Prerequisite: Chemistry 5a or 13a.

9. Organic Chemistry.—Characteristics of the more typical and simple organic compounds; the important classes of derivatives of carbon. (For students of the medical preparatory and household science curriculums and others desiring a short course). *II*; (3). Assistant Professor ADAMS

Prerequisite: Chemistry 2a or 3a.

9a. Organic Synthesis and Ultimate Analysis.—Ultimate organic analysis; preparation of typical organic compounds. Laboratory. *I* or *II*; (2).

Dr. KAMM

Prerequisite: Registration in Chemistry 14a, or equivalent.

9b. Organic Synthesis and Qualitative Organic Analysis.—Continuation of 9a, to accompany Chemistry 14b. *I* or *II*; (2). Dr. KAMM

Prerequisite: Chemistry 9a, 14a; registration in Chemistry 14b, or equivalent.

9c. Organic Synthesis.—Typical organic compounds. Laboratory. (For students in the medical preparatory and household science curriculums and others desiring a brief course.) *I* or *II*; (2). Assistant Professor ADAMS, Dr. KAMM

Prerequisite: Chemistry 2a or 3a; registration in Chemistry 9, or equivalent.

[1] Certain 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 approximate $15.00 for each course.

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). Professor BARTOW, Dr. MOHLMAN

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 Bacteriology 6.) *I*; (2½).

Professor BARTOW, Dr. MOHLMAN

Prerequisite: Chemistry 4.

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*; (5).

Professor NOYES in charge

13a. Elementary Quantitative Analysis.—Gravimetric and volumetric analysis, fertilizer and elementary food analysis. Lectures; recitations; laboratory. Talbot's *Quantitative Chemical Analysis.* (For students in agriculture and household science.) *I* or *II;* (5).

Assistant Professor SMITH in charge, Dr. BEAL, Dr. EASTLACK, 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. Treadwell: *Analytical Chemistry,* Vol. II. *II;* (5). Dr. BEAL

Prerequisite: Chemistry 5a or 13a.

14a-14b. Organic Chemistry.—Lectures; recitations. Noyes: *Organic Chemistry. I;* (4)*: II;* (2). Professor NOYES

Prerequisite: Chemistry 5a; should be accompanied by Chemistry 9a and 9b.

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. Lectures; demonstrations; conferences; practical work; assigned reading. Mathews: *Physiological Chemistry;* Hawk: *Practical Physiological Chemistry.* (Open to graduates and undergraduates.) *I;* (5).

Dr. LEWIS

Prerequisite: Two years' work in chemistry, including Chemistry 14a-14b and 9a, or 9 and 9c.

15a. Problems of Metabolism.—Colloids; animal oxidations; osmosis; adsorption; selective activity of cells; metabolism; activities of gastro-intestinal tract; enzymes; inorganic nutrition. Lectures; demonstrations; conferences. (For medical students.) *II*; (2). Dr. LEWIS

Prerequisite: Chemistry 15.

16. Chemistry for Engineers.—The proximate analysis of coal; determination of calorific power; technical analysis of furnace gases; examination of boiler waters; lubricating oils. (For students in engineering.) *II*; (3).

Professor PARR, Dr. BRODERSON

Prerequisite: Chemistry 4; junior standing.

17. Teachers' Course.—Methods of teaching elementary chemistry. *I*; (1). Dr. HOPKINS

21. Qualitative Organic Analysis.—Systematic methods for identification of pure compounds and mixtures. *I* or *II*; (2). Dr. KAMM

Prerequisite: Chemistry 9a, 9b.

22. Animal Chemistry (Animal Nutrition).—The chemical composition of animal products and feeding stuffs. Lectures; conferences; assigned reading; laboratory. *I* or *II*; (5). Professor GRINDLEY

Prerequisite: Two years' work in chemistry.

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. Sherman: *Organic Analysis and Food Products.* Formerly Chemistry 5c. *I;* (5). Dr. BEAL

Prerequisite: Chemistry 5a or 13a; 9 or 14a-14b.

27. Qualitative Analysis of the Rare Elements.—The rare elements and their compounds; identification and separation of the elements; formation, solubilities, and chemical reactions of their salts. Assigned reading; laboratory. *II*; (3). Assistant Professor WEBER

Prerequisite: Two years' work in chemistry.

28. Advanced Qualitative Analysis.—Methods of separation; qualitative reagents; reactions of some of the less common elements. (Designed especially for those intending to teach qualitative chemistry.) Lectures, with or without laboratory. *I*; (2-5).[1] Assistant Professor WEBER

31. Elementary Physical Chemistry.—Physical chemistry and electro-chemistry. Lectures; recitations; problems. Washburn: *Principles of Physical Chemistry. II;* (4). Professor TOLMAN, Dr. MACINNES

Prerequisite: Chemistry 1, 2a or 3a, 5a; Physics 1a-1b, and 3a-3b, or 7a-7b, and 8a-8b; Mathematics 7 or 8.

33. Elementary Physical Chemistry.—Molecular weight in gases and solutions; chemical equilibrium; the electrical conductivity of solutions and the attendant phenomena within the solution; thermochemistry. (Laboratory to accompany course 31.) *II*; (2). Dr. MACINNES, Dr. VANROSSEN

Prerequisite: Same as for Chemistry 31.

35. Electrochemistry.—(A continuation of Chemistry 31.) Electrochemical reactions. Technical applications; electric furnace processes. Lectures; recitations; laboratory. *I*; (3). Dr. MACINNES

Prerequisite: Chemistry 31, 33.

36. The Phase Rule and Its Applications.—Equilibria in heterogeneous systems. Lectures; seminar. *II*; (2). Dr. VANROSSEN

Prerequisite: Chemistry 31, 33.

[**37. Problems in Physical and Electrochemistry.**—Work in the laboratory or library with conferences. *I*; (4). Not given, 1916-17. Professor TOLMAN, Dr. MACINNES

Prerequisite: Chemistry 35 or 102b.]

61. Industrial Chemical Laboratory.—The preparation and purification of chemical products from raw materials on a scale sufficient to afford data for deter-

[1] In 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*.

mining the economy of the processes employed. (Should be accompanied by either Chemistry 6 or 109.) *II*; (3). Associate Professor McFarland

Prerequisite: Chemistry 5a and 14a.

65. Technical Gas and Fuel Analysis.—Examination of gases, gas mixtures, flue gases and fuels; determination of calorific values; calculation of efficiencies. *I*; (2). Dr. Broderson

Prerequisite: Chemistry 5a.

66. Technology of Gases.—The manufacture, constituents, and uses of the various forms of gaseous fuel; calorimetry; photometry; the more exact methods of analysis. Lectures; reading; reports; laboratory. *II*; (1).
Professor Parr, Dr. Broderson

Prerequisite: Chemistry 65.

66a. Gas Manufacture.—Carbonization processes, ovens and by-products. *II*; (1). Professor Parr

69. Metallurgical Laboratory and Assaying.—The fire assay of gold, silver, lead, and copper ores, mattes, and bullion; fluxes, slags, and charge calculations; coal, oil, and gas furnaces; measurement of high temperatures. Fulton: *Manual of Fire Assaying*. *I;* (2). Associate Professor McFarland

Prerequisite: Chemistry 5a; Geology 5.

72. Paints, Oils, Turpentines, Varnishes, and Protective Coverings for Wood and Metals.—Lectures; laboratory. *I*; (2). Professor Parr, Dr. Broderson

Prerequisite: Chemistry 5a and 14a-14b.

73. Asphalt, Tar, and Oil Residues.—Sources, characteristics, composition, and examination; binders and dust preventives used in road construction. (For students in highway engineering.) *II*; (2). Professor Parr, Dr. Broderson

Prerequisite: Chemistry 2a or 4.

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, 9a, 9b, 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.

For students in agriculture, Chemistry 5a and 13a will not be accepted for graduate credit.

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 9a, 9b, 14a-14b, 31 and 33 will be accepted only from students entering the Graduate School with the equivalent of 30 university credits in chemistry.

102. Advanced Physical Chemistry.—(This course with 102a, covers a period of two years.) Thermodynamic methods. The first and second laws; the classical analytical method; the Nernst heat theorem; the concepts of energy, entropy, free energy, thermodynamic potential and fugacity; the applications of thermodynamic

reasoning to the behavior of pure substances, solutions, heterogeneous systems, and chemical equilibria. Practise in the calculation and use of free energy data. Lectures and seminar. *Twice a week; I, II;* (¾ *unit*). Professor TOLMAN

Prerequisite: Chemistry 31, 33, or a suitable training in advanced physics.

[**102a. Advanced Physical Chemistry.**—Kinetic-molecular methods. The kinetic theory of gases; entropy and probability; the quantum theory; the molecular structure of liquids and solids; the electron theory of matter in its more qualitative aspects; the newer theories of the structure of the atom. (A continuation of course 102.) Lectures and seminar. *Twice a week; I, II;* (¾ *unit*). Not given, 1916-17. Professor TOLMAN

Prerequisite: Same as for 102.]

[**102b. Advanced Electrochemistry.**—Modern theories of solution; thermodynamics; the transformation of chemical and electrical energy. *Twice a week; II;* (¾ *unit*). Not given, 1916-17. Dr. MACINNES

Prerequisite: Chemistry 102.]

102c. Advanced Problems in Physical and Electrochemistry.—Work in the laboratory or library with conferences. *I;* (½ *to 1 unit*).

Professor TOLMAN, Dr. MACINNES

Prerequisite: Chemistry 31, 33, 102 or 102a.

76. Calorimetry of Fuels.—(Advanced Course.) Methods for determining the heat values of solid, liquid, and gaseous fuels. *II*; (2). Professor PARR

Prerequisite: Chemistry 65.

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).

Associate Professor MCFARLAND

Prerequisite: Chemistry 7.

80. The Elements of Glass Blowing.—Laboratory. *II*; (1). Mr. ANDERS

Prerequisite: Two years' work in chemistry.

[**86. The Chemistry of the Higher Order Compounds.**—Complex compounds from the standpoint of the Valence Theory as developed by Werner. *I*; (2). Not given, 1916-17. Assistant Professor SMITH

Prerequisite: Chemistry 9a, 9b, 14a-14b.]

90-91. Chemical Inspection Trips.—(Required for juniors and seniors in the courses in chemistry and chemical engineering. For the year 1916-17 the trips will occur on April 2d to 7th, 1917. The expense involved will approximate fifteen to twenty-five dollars for each student.) *II*; (*no credit*).

Associate Professor MCFARLAND in charge

92a-92b, 93a-93b. Journal Meeting.—(For juniors, seniors, and graduates in chemistry and chemical engineering.) *I, II*; (1).

All members of the teaching staff in the chemical department.

Associate Professor MCFARLAND, and Assistant Professor SMITH in charge

95. History of Chemistry.—Lectures; assigned reading. *I*; (2).
Assistant Professor SMITH

[**102d. Electrochemistry.**—Theoretical and applied electrochemistry, with emphasis on the technical side of the subject. (For students in electrical engineering.) *Once a week; I;* (*½ unit*). Not given, 1916-17. Dr. MACINNES]

102e. Special Topics in Physical Chemistry.—Subject for 1916-17: General Deductive Methods. *I;* (*½ unit*). Professor TOLMAN

Prerequisite: Chemistry 102, 102a.

102f. The Chemistry and Physics of Colloids.—The classification of disperse system; adsorption; ultramicroscopy. Electrical, chemical, optical, and catalytic properties of colloids. Seminar; laboratory. (Given in 1916-17, alternating with 102b.) *Twice a week; I;* (*¾ unit*). Dr. MACINNES

Prerequisite: Chemistry 31, 33, or 102b.

103. Advanced Inorganic Chemistry.—Descriptive inorganic chemistry; the rarer elements; the periodic system. Lectures, with or without laboratory. *Two to five times a week; I, II;* (*½ to 1¼ units*). Dr. HOPKINS

103a. Advanced Analytical Chemistry.—Special topics. Lectures with or without laboratory. *One to five times a week; II;* (*½ to 1¼ units*).
Assistant Professor SMITH

Prerequisite: Chemistry 5b, 9a, 9b, 14a-14b, 31, 33.

103b. Special Topics in Inorganic Chemistry.—Subject for 1916-17: The Chemistry of the Higher Order Compounds. Werner: *Neuere Anschauungen auf dem Gebiete der Anorganischen Chemie;* assigned reading from later publications. Lectures; seminar. *Twice a week; I;* (*¾ unit*). Assistant Professor SMITH

Prerequisite: Chemistry 9a, 9b, 14a-14b.

103c. Seminar in Inorganic Chemistry.—Once a week. *I, II*; (*¼ unit*).
Dr. HOPKINS

103d. Special Topics in Inorganic Chemistry.—Valence; adsorption. *Once a week. I, II;* (*½ unit*). Assistant Professor WEBER

104. Advanced Organic Chemistry.—Seminar. The open chain compounds of carbon, hydrogen, and oxygen atoms from the standpoint of the atomic linking theory; tautomerism, stereochemistry; and the carbohydrates. Lectures; discussions; laboratory. *Three times a week; I, II;* (*¾ unit*).
Assistant Professor ADAMS

[**104a. Advanced Organic Chemistry.**—(Continuation of 104, with which it alternates.) The closed chain compounds of the carbon, hydrogen, and oxygen atoms and of the organic compounds of nitrogen; the ureids, alkaloids. Lectures; discussion, laboratory. *Three times a week; I, II;* (*¾ unit*). Not given, 1916-17.
Assistant Professor ADAMS]

[**104b. Advanced Quantitative Organic Analysis.**—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;* (*¾ unit*). Not given, 1916-17. Dr. BEAL]

104c. Seminar in Organic Chemistry.—Once a week; *II*; (*¼ unit*).
Assistant Professor ADAMS

105. Advanced Physiological Chemistry.—Structure and distribution of the proteins; intermediary metabolism; the glands of internal secretion. Lectures; demonstrations; assigned readings; discussions. *Twice a week; II;* (¾ *unit*).
Dr. LEWIS

105a. Advanced Physiological Chemistry.—The more difficult biochemical preparations; the use of analytical methods. Laboratory. *One to five times a week; I, II;* (¾ *unit*). Dr. LEWIS

105c. Advanced Physiological Chemistry.—Seminar. Some phases of the recent development of physiological chemistry. *Two hours a week; I, II;* (½ *unit*).
Dr. LEWIS

105d. Chemistry of Plant Nutrition.—The occurrence of organic compounds in plants, and their relation to plant nutrition. Lectures; seminar; laboratory. *Two to four times a week; II;* (¾ *to 1¼ units*). Dr. MUNCIE

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 1½ units*).
Professor GRINDLEY

Prerequisite: Two years' work in chemistry.

107. Special Problems in Technology of Fuels.—*I*; (1 unit).
Professor PARR

Prerequisite: Chemistry 77.

108. Advanced Metallography.—Constitution and microstructure of metals and alloys; the relations between their properties, chemical and mechanical treatment, and structure. Assigned reading; laboratory. *Twice a week; I;* (¾ *unit*).
Associate Professor MCFARLAND

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;* (¾ *unit*). Associate Professor MACFARLAND

Prerequisite: Chemistry 6, 9, 14a-14b, 21 or equivalent.

110. Water Supplies.—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;* (½ *to 1½ units*). Professor BARTOW

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 11.) Work may be taken in the following subjects:

PHYSICAL AND ELECTROCHEMISTRY — Professor TOLMAN, Dr. MACINNES
INORGANIC CHEMISTRY — Assistant Professors SMITH, WEBER, Dr. HOPKINS, Dr. DEMING
ANALYTICAL CHEMISTRY — Assistant Professor SMITH
FOOD CHEMISTRY — Dr. BEAL
ORGANIC CHEMISTRY — Professor NOYES, Assistant Professor ADAMS, Dr. KAMM
WATER CHEMISTRY — Professor BARTOW
ANIMAL CHEMISTRY (Animal Nutrition) — Professor GRINDLEY
PHYSIOLOGICAL CHEMISTRY — Dr. LEWIS
INDUSTRIAL CHEMISTRY — Professor PARR, Associate Professor MCFARLAND

Summer Session Courses

NOTE: All the courses in chemistry offered in the Summer Session are equivalent to the courses of the same numbers given during the academic year.

S 1. Elementary Chemistry.—For description, see Chemistry 1. (5).
Dr. HOPKINS, Dr. ENGLE, Mr. ROWLAND

S 1a and S 1b. Inorganic Chemistry.—For description, see Chemistry 1a and Chemistry 1b. (4). Dr. HOPKINS, Dr. ENGLE

S 2a. Inorganic Chemistry and Qualitative Analysis.—The general chemistry and qualitative analysis of the more common metals and inorganic compounds. (5). Dr. HECKER, Mr. ROWLAND

Prerequisite: Chemistry 1 or 1a.

S 3a. Inorganic Chemistry and Qualitative Analysis.—(For students in chemistry and chemical engineering.) (6). Dr. HECKER

Prerequisite: Chemistry 1.

S 17. Teachers' Course.—The methods of teaching elementary chemistry. (1).
Dr. HOPKINS

Prerequisite: One year's work in chemistry.

***S 5a. Elementary Quantitative Analysis.**—For description see Chemistry 5a. (5). Dr. BEAL, Dr. SEARS

Prerequisite: Chemistry 1 and 3.

***S 13a. Argicultural Analysis.**—For description see Chemistry 13a. (5).
Dr. BEAL, Dr. SEARS

***S 5c. Food Analysis.**—Quantitative organic analysis, with special reference to the examination of food and drug products; alcohols, carbohydrates, fats and oils, animal and vegetable foods, nitrogenous bodies, preservatives, and colors. Sherman's *Organic Analysis* and Sherman's *Food Products*, "*Bulletin 107, rev., U. S. Bureau of Chemistry.*" (5). Dr. BEAL, Dr. SEARS

***S 9a. Organic Synthesis.**—For description, see Chemistry 9a. (2).
Assistant Professor DERICK, Dr. JOHNSON

Prerequisite: Registration in Chemistry S 14.

***S 9b. Organic Synthesis.**—(Continuation of S 9a.) (2).
Assistant Professor DERICK, Dr. JOHNSON

Prerequisite: Chemistry S 9a and registration in Chemistry S 14b.

***S 14a. Organic Chemistry.**—For description see Chemistry 14a. This course may be substituted for Chemistry 9 of the academic year. (3).
Assistant Professor DERICK, Dr. JOHNSON

Prerequisite: Chemistry 2 and 3.

***S 14b. Organic Chemistry.**—For description, see Chemistry 14b. (3).
Assistant Professor DERICK

Prerequisite: Chemistry S 14a or equivalent.

***S 11 and *S 111. Research.**—For description, see Chemistry 11a-11b, and Chemistry 111. Assistant Professor DERICK, Dr. BEAL, Dr. LEWIS

***S 15. Physiological Chemistry.**—For description, see Chemistry 15. (5 or 7).[1]
Dr. LEWIS

***S 92. History of Chemistry.**—Periods, theories, leaders; use of literature. Lectures, reports, reference work. (1). Assistant Professor DERICK

[1] In 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*.

CIVIL ENGINEERING

FREDERICK HAYNES NEWELL, B.S., D.Eng., *Professor*
IRA OSBORN BAKER, B.S., C.E., D.Eng., *Professor*
CHARLES ALTON ELLIS, A.B., *Professor*
JAMES ELMO SMITH, B.S., C.E., *Assistant Professor*
WILBUR M WILSON, M.M.E., C.E., *Assistant Professor*
CARROLL CARSON WILEY, B.S., C.E., *Associate*
NEAL BRYANT GARVER, B.S., C.E., *Associate*
GEORGE WELLINGTON PICKELS, Jr., B.C.E., C.E., *Associate*
WILLIAM HORACE RAYNER, B.S., C.E., *Instructor*
RAYMOND EARL DAVIS, M.S., C.E., *Instructor*
C STANLEY SALE, B.S., *Instructor*
BENJAMIN LESTER BOWLING, *Assistant in Highway Laboratory*

Courses for Undergraduates

27. Plane Surveying.—Transit, and level; computation of areas and volumes and partitioning of land; the U. S. land survey methods, re-establishment of corners and boundaries, and interpretation of deeds; farm and city surveying; topographic surveying; map construction. Problems with the tape, stadia, transit, and level. Breed and Hosmer: *Principles and Practise of Surveying*, Vol. I.; and Davis: *Manual of Surveying. I*; (3). Mr. RAYNER, Mr. DAVIS

Prerequisite: General Engineering Drawing 1, 2; Mathematics 4.

28. Higher Surveying.—Transit, sextant, and plane-table in making topographic and hydrographic surveys; methods; determination of latitude, longitude, and azimuth by stellar and solar observations; topographic drawing; precise surveys; adjustment of a triangulation system; computations for coordinates; elements of geodesy. Breed and Hosmer: *Principles and Practise of Surveying*, Vol. II. Davis: *Manual of Surveying. II;* (3). Mr. PICKELS, Mr. RAYNER, Mr. DAVIS

Prerequisite: Civil Engineering 27; Physics 1a, 3a, and registration in Physics 1b, 3b.

31. Surveying.—The compass, level, transit, and plane-table. The determination of distances by pacing, and with chain and tape, and of areas with compass and transit; profile leveling; problems with plane-table Davis: *Manual of Surveying.* (For students in landscape architecture.) *I;* (3). Mr. PICKELS

Prerequisite: Mathematics 4; Architecture 31, 32.

32. Topographic Surveying.—The stadia; conventional topographic signs; contour construction; its use in grading and drainage problems; advanced work with the plane-table. Each student will prepare a large scale topographic map of a portion of the campus. Davis: *Manual of Surveying.* (For students in landscape architecture.) *II;* (3). Mr. PICKELS, Mr. RAYNER

Prerequisite: Civil Engineering 31.

35. Surveying.—Compass, level, transit, and plane-table. The determination of distances with tape and by stadia; the determination of areas with the compass and transit; differential and profile leveling; the U. S. land survey methods; elements of topographic surveying. Breed and Hosmer: *Principles and Practise of Surveying*, Vol. I.; and Davis: *Manual of Surveying.* (For mining engineering students and others who do not expect to take Civil Engineering 28.) *I;* (3). Mr. RAYNER

Prerequisite: Physics 1b and 3b

51. Railroad Surveying.—Economic location, construction, and maintenance of railways. Curves, turnouts, and earthworks. Preliminary and location surveys of a line of sufficient length to secure familiarity with the methods in actual practise. Each student makes a complete set of maps, profiles, and estimates. Pickels and Wiley: *Railroad Surveying. I;* (5).

Assistant Professor SMITH, Mr. WILEY Mr. PICKELS

Prerequisite: Civil Engineering 27, 28.

52. Roads and Pavements.—Construction and maintenance of earth, gravel, macadam, concrete, brick and bituminous roads; street pavements, and accessories. Road-building machinery. Effect of travel on road surfaces. Dust prevention and street cleaning. Baker: *Roads and Pavements. II;* (3).

Assistant Professor SMITH, Mr. WILEY

Prerequisite: Mathematics 4; General Engineering Drawing 1, 2; Civil Engineering 27, 28, 51.

53. Railroad Surveying.—First eleven weeks of Civil Engineering 51, for juniors in municipal and sanitary engineering. *I;* (3).

Assistant Professor SMITH

Pererquisite: Civil Engineering 27, 28.

55. Roads and Pavements.—(For students in landscape gardening.) Blanchard: *Elements of Highway Engineering. I;* (2). Mr. GARVER

58. Graphic Statics.—Determination of stresses in roof trusses and in three-hinged arches. Malcolm: *Elements of Graphic Statics.* (For students in mining engineering.) *II;* (2). Assistant Professor SMITH

Prerequisite: Theoretical and Applied Mechanics 20, 25.

60. Structural Stresses.—The determination of stresses in roofs, bridges, and steel-skeleton buildings, by algebraic and graphic processes. *II;* (4).

Professor ELLIS, Assistant Professor WILSON

Prerequisite: Mathematics 2, 4, 6; Theoretical and Applied Mechanics 20, 21, 29, 10; General Engineering Drawing 1, 2.

62. Structural Details.—Design of details for roofs, bridges, and steel-frame buildings; detail drawings and shop bills. Carnegie: *Pocket Companion*, last edition. *II;* (2). Mr. GARVER

Prerequisite: Registration in Civil Engineering 60.

70. Seminar.—Reading and discussion of papers. Each student presents one major and two minor papers upon assigned topics, and participates in the discussion of other papers. *II;* (1). Professor BAKER, Mr. DAVIS

Prerequisite: Full junior standing in civil engineering.

76. Surveying.—(For ceramic engineering students.) Plane and topographic surveying. Adjustment and use of the transit, level, and plane-table. Computations for areas and volumes; map and profile construction; land surveying, location of contours, differential and profile leveling. Davis: *Manual of Surveying. II;* (2). Mr. PICKELS

Prerequisite: Mathematics 4; General Engineering Drawing 1, 2; Physics 1a-1b, 3a-3b.

77. Masonry Construction.—Baker: *Masonry Construction. I;* (4).

Professor BAKER, Mr. SALE

Prerequisite: Theoretical and Applied Mechanics 20, 21, 29, 10; Civil Engineering 60.

79. Cement Laboratory Practise.—Standard tests for hydraulic cement. *I*; (1). Mr. SALE, Mr. BOWLING

Prerequisite: Theoretical and Applied Mechanics, 20, 21, 29, 10; Civil Engineering 60; Registration in Civil Engineering 77.

80. Engineering Contracts and Specifications.—The law of contracts; general and technical clauses used in engineering specifications. Johnson: *Engineering Contracts and Specifications. II;* (2). Professor BAKER

Prerequisite: Full senior standing in the College of Engineering.

81. Theory of Reinforced Concrete.—Reinforced concrete beams, columns and slabs. Hool: *Reinforced Concrete Construction. I;* (2). Professor ELLIS

Prerequisite: Full senior standing in the College of Engineering.

82. Reinforced Concrete Design.—Plain and reinforced structures. Hool: *Reinforced Concrete Construction*, Vol. II. *II;* (4).

Prerequisite: Civil Engineering 81.

83. Bridge Design.—Determination of stresses and sections of a plate girder and a truss span; stress sheet, general design drawings, and estimate of weights. Johnson, Bryan and Turneaure: *Modern Framed Structures*, Part III. (For railway civil engineers, and civil engineers taking the general civil engineering option.) *I;* (3). Assistant Professor WILSON

Prerequisite: Civil Engineering 60, 62.

85. Steel Bridge Design.—The same as 83 above, but a fuller course. Johnson, Bryan and Turneaure: *Modern Framed Structures*, Part III. (For civil engineers taking the structural engineering option.) *I;* (5). Assistant Professor WILSON

Prerequisite: Civil Engineering 60, 62.

87. Advanced Bridge Analysis.—Continuous, draw, cantilever, suspension, and metal-arch bridges. *I*; (2). Professor ELLIS

Prerequisite: Civil Engineering 60, 62; and registration in Civil Engineering 83 or 85.

88. Steel Building Design.—Stresses and sections of the steel frame of mill and office buildings; footings and grillages; design drawings and estimate of weights. *II*; (3). Assistant Professor WILSON

Prerequisite: Civil Engineering 60, 62.

89. Hydro-Ecomonics.—The occurrence of water in nature; its conservation, regulation, and use for power and in industries; irrigation, drainage, transportation, domestic supply; the legal title to the use of water. *I*; (2). Professor NEWELL

Prerequisite: Senior Standing.

90. Hydro-Economics.—(A continuation of Civil Engineering 89.) *II*; (2). Professor NEWELL

Prerequisite: Civil Engineering 89.

91. Highway Bridge Design.—Types of highway bridges; determination of location, size, and type. Steel bridges, beam, low-truss, and through-truss; methods and cost of construction. *I*; (4). Mr. GARVER

Prerequisite: Civil Engineering 60, 62.

92. Concrete Bridges and Culverts.—Reinforced-concrete slab, girder, and arch bridges; falsework and forms; estimates of quantities; costs. *II*; (2).
Mr. GARVER

Prerequisite: Civil Engineering 77, 79, 81, 91.

93. Road Construction.—Design; preparation of plans, specifications, and estimates of cost. Recent developments in types and methods of construction. *I*; (3). Mr. WILEY

Prerequisite: Civil Engineering 52; Theoretical and Applied Mechanics 21, 29.

94. Highway Administration.—Road laws and administration in Europe and America; taxation and methods of financing road work; the relation of highway improvement to social and economic welfare. *II*; (3). Mr. WILEY

Prerequisite: Senior standing in civil engineering.

96. Road Laboratory.—Examining and testing bituminous and non-bituminous road materials; interpretation of the results. *II*; (2).
Mr. WILEY, Mr. BOWLING

Prerequisite: Civil Engineering 52, 77, 79; registration in Chemistry 73.

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: Full senior standing in civil engineering.

99. Inspection Trip.—*I*; (*no credit*).

Prerequisite: Senior standing.

Courses for Graduates

Entrance on graduate work in civil engineering presupposes the full undergraduate course in that subject.

101. Irrigation and Drainage.—The survey, examination, construction, maintenance, and operation of works for irrigation and drainage of agricultural lands; water rights. *Twice a week; I, II;* (*½ unit*). Professor NEWELL

107. Bridge Engineering.—Deflections; the statically indeterminate frame; swing bridges and arches; special graphic methods; suspension bridges; secondary stresses; impact. *Two or three times a week; I, II;* (*1 unit or more*).
Professor ELLIS

124. Steel Building Construction.—Steel framing of fireproof office buildings, hotels, and industrial buildings; wind bracing; eccentrically loaded columns; analysis of special details; erection methods and costs. *Twice a week; I, II;* (*1 unit or more*). Assistant Professor WILSON

THE CLASSICS

HERBERT JEWETT BARTON, A.M., *Professor, Chairman*
CHARLES MEVILLE MOSS, Ph.D., *Professor*
WILLIAM ABBOTT OLDFATHER, Ph.D., *Professor*
ARTHUR STANLEY PEASE,[2] Ph.D., *Professor*
HOWARD VERNON CANTER, Ph.D., *Associate Professor*
RODNEY POTTER ROBINSON, A.M., *Assistant*
JOHN DOUGLAS MCKINLEY, A.M., *Graduate Assistant*

[1] In 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*.
[2] On leave of absence.

GREEK

Major: 20 hours, excluding Greek 1a-1b, 17, 18, and 19.

Minors: 20 hours chosen from foreign languages (Latin being especially recommended), English literature, history, and philosophy.

LATIN

Major: 20 hours, excluding Latin 1a, 6a, and 12.

Minors: 20 hours chosen from 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, 18, 19, and 20, and Latin 1a, 6a, 12, 13, and 19. At least six hours shall be carried in the secondary language and the remaining hours in the primary language.

Minors: 20 hours chosen from 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, 7 (5), 6 (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 and course 14 after courses 5 or 7. Courses 16, 17, 18, and 19 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 1. *I, II;* (4).
Mr. ROBINSON

2a-2b. New Testament Greek.—First semester: Reading of selections. Second semester: Lectures on Canon and Text. *I, II*; (2). Professor MOSS

Prerequisite: Greek 1.

3. Second year Greek.—Xenophon's *Anabasis*, Books II-IV; grammatical drill. *I*; (3). Mr. ROBINSON

Prerequisite: Greek 1.

4. Second Year Greek.—Homer, six Books of the *Iliad*. *II*; (3).
Mr. ROBINSON

Prerequisite: Greek 3.

7. Greek Drama.—Three plays from the great dramatists. *II*; (3).
Professor MOSS

Prerequisite: Greek 4.

8. Plato.—Selected dialogues, including the *Apology* and the *Phaedo*. *I;* (3).
Professor OLDFATHER

Prerequisite: Greek 4.

14. Greek Prose Composition.—*II*; (1). Professor MOSS

Prerequisite: Greek 5 and 6, or 7 and 8.

Greek Life and Literature in English

(Courses 16-20 presuppose no knowledge of Greek and are open to all students except freshmen.)

16. The Private and Public Life of the Greeks.—Lectures illustrated by photographs and slides; prescribed readings; *I*; (1). Professor Moss

17. Greek Poetry in Translations.—*I*; (2). Professor Moss

18. Greek Prose in Translations.—*I*; (2). Professor Moss

19. Greek Drama in Translations.—*II*; (2). Professor Moss

20. Greek History.—(This course is described by the department of history as History 5.) *I*; (3). Professor Oldfather

Prerequisite: One course in history or the classics. Not open to freshmen.

Courses for Graduates

104. Homer and the Homeric Question.—Lectures and readings. *I, II*; (*1 unit*). Professor Oldfather

107. Greek Oratory.—One or more speeches of each of several orators; lectures and reports. *I, II;* (*1 unit*). Professor Moss

110. Bibliography and Criticism.—*Once a week; I, II;* (¼ *unit*). Professor Oldfather and others

LATIN

1a-1b. Ovid and Virgil.—First semester: Selections from the *Amores*, *Heroides*, and *Metamorphoses*. Second semester: Selections from the *Aeneid*. *I, II;* (4) Mr. McKinley

Prerequisite: Three 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 Terrence. *I, II;* (4). Professor Barton

Prerequisite: Four entrance units in Latin.

3. Sallust and Cicero.—Selections from the *Jugurthine War*; *De Senectute*. *I;* (3). Associate Professor Canter

Prerequisite: Latin 2a-2b.

4. Horace and Catullus.—Selections. *II*; (3). Mr. Robinson

Prerequisite: Latin 2a-2b.

5a-5b. Latin Composition.—Grammatical drill and practise in the simpler forms of expression. *I, II*; (1). Mr. Robinson

Prerequisite: Latin 1a-1b or its equivalent.

6. Cicero.—Selections from the Orations. *I*; (4). Mr. Robinson

Prerequisite: Two entrance units in Latin.

Roman Life and Literature in English

(Courses 12 and 13 presuppose no knowledge of Latin; open to all students except freshmen).

12. Virgil and Horace in English Translations.—The *Aeneid* and selections from Horace. *I*; (2). Professor Barton

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). Professor Barton

19. Roman History.—(This course is described by the department of history as History 6.) Not open to freshmen. *II*; (3).
Associate Professor CANTER

9. Teachers' Course.—The purpose and methods of preparatory Latin instruction; the teacher's preparation. *II*; (2). Professor BARTON

Prerequsite: 18 hours in 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. *II*; (2). Professor BARTON

Prerequisite: 12 hours of Latin, including Latin 5a-5b or equivalent.

Courses for Advanced Undergraduates and Graduates

7. Horace and Juvenal.—Selections. *I*; (3). Professor BARTON

Prerequisite: 12 hours in Latin.

14. Seneca.—Selections from his letters and tragedies. *II*; (3).
Professor BARTON

Prerequisite: 15 hours in Latin.

21. Special Topics in Ancient History.—(This course is described by the department of history as History 11.) The decline of ancient civilization. *II*; (3).
Professor OLDFATHER

Prerequisite: Junior Standing.

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.

102. Roman Oratory.—*Twice a week; II; (1 unit).*
Associate Professor CANTER

106. Terence.—*Twice a week; II; (1 unit).* Professor OLDFATHER

108. Tacitus.—*The Histories. Twice a week; I; (1 unit).*
Professor BARTON

110. Bibliography and Criticism.—*Once a week; I, II; (¼ unit).*
Professor OLDFATHER and others

112. Roman Historiography.—*Twice a week; I; (1 unit).*
Associate Professor CANTER

114. Caesar.—*Twice a week; II; (1 unit).* Professor OLDFATHER

115. Roman Elegy.—*Twice a week; I; (1 unit).*
Associate Professor CANTER

Summer Session Courses

S 1. Plautus.—Reading of three plays; discussions of the language and verse of comedy. (2½). Associate Professor CANTER

Prerequisite: Three or four years of high school Latin.

S 2. Catullus and Horace.—Selections from the lyric poetry of these authors. (2). Professor OLDFATHER

S 3. Roman History.—Illustrated lectures; assigned readings. (2)
Professor OLDFATHER

S 4. **Teachers' Course.**—For description, see Latin 9. (1).
Associate Professor CANTER

*S 115. **Roman Elegy.**—The origin and development of elegy as a department of literature on Greek and Roman soil; elegy in its relation to other lyric forms; lectures and reports; translations from Catullus, Tibullus, and Propertius. (*1 unit*).
Associate Professor CANTER

(Subject to approval of Graduate School Faculty.)

COMMERCIAL LAW

(See BUSINESS ORGANIZATION AND OPERATION.)

COMPARATIVE LITERATURE

JOSEPH EUGENE GILLET, Ph.D., *Associate in Comparative Literature and German*

1. **Tragedy.**—Theory and practise from classical times to the present day. Lectures; readings; reports. *I*; (3) Dr. GILLET

Prerequisite: Two years of college work or the permission of the instructor. Foreign language is not required.

NOTE.—Comparative Literature 1 may be counted toward a major in English or toward a minor in German, in French or in Romance Languages.

2. **Comedy.**—Theory and practise from classical times to the present day. Lectures; readings; reports. *II*; (3). Dr. GILLET

Prerequisite: Two years of college work, or the permission of the instructor. Foreign language is not required.

NOTE.—Comparative Literature 2 may be counted toward a major in English or toward a minor in German, in French or in Romance Languages.

COMPARATIVE PHILOLOGY

LEONARD BLOOMFIELD, Ph.D., *Assistant Professor*

For Advanced Undergraduates and Graduates

1. **Introduction to the Study of Language.**—Phonetics; the development of forms of speech; dialects and the spread of languages; the study and teaching of language. *I*; (3). Assistant Professor BLOOMFIELD

Prerequisite: The consent of the instructor.

2. **Comparative Philology of the Indo-European Languages.**—Attention will be given chiefly to Greek, Latin, and the Germanic languages, including English. *II*; (2). Assistant Professor BLOOMFIELD

Prerequisite: The consent of the instructor.

[3. **Elementary Sanskrit.**—Reading and grammar. *I*; (3). Not given, 1916-17. Assistant Professor BLOOMFIELD

Prerequisite: The consent of the instructor.]

4. **Elementary Sanskrit.**—Continuation of 3. *II*; (3).
Assistant Professor BLOOMFIELD

Prerequisite: Comparative Philology 3.

DAIRY HUSBANDRY

HARRY ALEXIS HARDING, Ph.D., *Professor, Dairy Bacteriology*
WILBUR JOHN FRASER,[1] M.S., *Professor, Dairy Farming*
NELSON WILLIAM HEPBURN, M.S., *Assistant Professor, Dairy Manufactures*
MARTIN JOHN PRUCHA, Ph.D., *Assistant Professor, Dairy Bacteriology*
RAY STILLMAN HULCE, M.S., *Associate, Milk Production*
EDWARD FREDERICK KOHMANN, Ph.D., *Associate, Dairy Chemistry*
HARRISON AUGUST RUEHE, M.S., *Associate, Dairy Manufactures*
WILLIAM WODIN YAPP, M.S., *Instructor, Dairy Husbandry*
PAUL WILLIAM ALLEN, M.S., *Instructor, Dairy Bacteriology*
LEIGHTON J TRUE, B.S., *Assistant, Dairy Manufactures*
CHRIS SIMEON RHODE, B.S., *Assistant, Dairy Husbandry*
EDWARD G SQUIRE, B.S., *Assistant, Dairy Manufactures*
RUSSELL STARKEY BRACEWELL, A.B., *Assistant, Dairy Chemistry*

Courses for Undergraduates

1. **Milk Testing.**—Babcock test; tests for purity and adulteration; lactometer; tests for acidity, moisture, and salt; qualitative separation of milk into its components; the composition of milk. Lectures; recitations; problems; laboratory; assigned readings. *I* or *II*; (3). Dr. KOHMANN, Mr. BRACEWELL

2. **Dairy Cattle.**—Selection, feeding, and management; dairy type; herd improvement; history, characteristics, and adaptability of breeds; milking machines; barn arrangements; herd management. (Students having credit in Dairy Husbandry 16 should register for laboratory work only, for which they will receive two hours' credit. All others must register for both lectures and laboratory.) Lectures; recitations; laboratory. *I*; (5). Mr. HULCE, Mr. YAPP

Prerequisite: Animal Husbandry 5, 8, and 21, or their equivalent.

3. **Elements of Dairy Husbandry.**—The dairy herd; dairy sanitation; milk testing; milk; milk products. (Required of all freshmen in the general curriculum in agriculture.) Lectures; demonstrations. *I* or *II*; (1).
Mr. YAPP and other members of the department

4. **Ice Cream Making.**—Mixing and freezing; freezers: flavoring materials, fillers, and binders; ice cream standards; condensed milk; artificial refrigeration. (This course is accompanied by one inspection trip, costing from $10 to $15.) *I* or *II*; (3). Mr. RUEHE, Mr. SQUIRE

Prerequisite: Dairy Husbandry 1 or 5.

5. **The Composition of Dairy Products.**—Rapid commercial tests; milk proteins; milk fat. Lectures; recitations; problems; assigned reading; laboratory. *II*; (3). Dr. KOHMANN, Mr. BRACEWELL

Prerequisite: Chemistry 13a. It is desirable that students registering in this course take Chemistry 9 or its equivalent, which after 1919-20 will be made a prerequisite.

6. **Germ Life and the Dairy.**—Lectures; assigned readings. *I*; (1).
Professor HARDING, Mr. ALLEN

7. **Creamery Buttermaking and Factory Management.**—Types of creameries; raw product; grading; pasteurization; commercial starters; ripening, churning, salting, and working butter; butter composition and scoring; making, packing, and storing butter; creamery by-products; refrigeration. Creamery location and

[1] On leave of absence, first semester.

plans; business management and accounting. (This course is accompanied by one inspection trip costing from $10 to $15.) Lectures; assigned readings; laboratory. *II*; (5). Assistant Professor HEPBURN

Prerequisite: Dairy Husbandry 1. After 1917-18 Accountancy 1a and 1b will be made prerequisite. After 1918-19 the requirements will be Dairy Husbandry 5 and Accountancy 1a and 1b.

8. City Milk Supply.—Production, transportation, plant, and delivery. *II*; (2). Professor HARDING

11. Dairy Bacteriology.—The bacteria of milk and its products; methods of introduction, effect, and methods of control. Lectures. *I*; (2).
Professor HARDING, Mr. ALLEN

Prerequisite: Bacteriology 1 or 5; two years of university work.

12a-12b. Dairy Bacteriology.—The bacteria in milk and its products. Laboratory. *I, II*; (4). Professor HARDING, Mr. ALLEN

Prerequisite: Bacteriology 1 or 5; two years of university work.

13. General Course in Dairy Manufactures.—Milk production, care, and distribution; the hand separator; handling cream and making and marketing butter on the farm; soft cheese; Neufchatel; cream; pimento; cottage; manufactured milk drinks; ice cream making; plans and equipment for the farm dairy. (For the student who has only a general interest in the subject of dairy manufactures.) *I*; (3). Assistant Professor HEPBURN and other members of the department.

17. Advanced Study of Dairy Breeds.—History, environment; breed characteristics; prominent families and individuals; pedigree work; official tests; advanced registry. Lectures; assigned reading; seminar work. *II*; (2).
Mr. YAPP

Prerequisite: Two years of university work; Animal Husbandry 8; Dairy Husbandry 2.

21. Systems of Dairy Farming.—Relation of the cow and the herd to profits; how to establish and perpetuate a dairy herd; economy of crops and rations; systems of cropping; organization of the farm; location and arrangement of buildings and lots; accounts, records, and inventories; markets; care and disposal of milk. *II*; (5). Professor FRASER

Prerequisite: Dairy Husbandry 2.

22. Cheese Making.—Ripening and setting milk; cutting, cooking and dipping curd; cheddaring, milling, matting, and salting curd; pressing and curing cheese; cottage, Neufchatel, and other varieties; practise in making the more common varieties. *I*; (2). Mr. RUEHE

Prerequisite: Dairy Husbandry 1.

23a-23b. Investigation and Thesis.—*I, II*; (5-10).[1]
Professor HARDING, Professor FRASER, Assistant Professor HEPBURN, Mr. HULCE, Dr. KOHMANN.

Courses for Graduates

101. Economic Milk Production.—Differences in the efficiency of dairy cows, the cause and effect of these differences and their relation to successful dairy farming. *Twice a week; I, II; (1 unit)*. Given only second semester, 1916-17.
Professor FRASER

[1] In 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*.

104. Scientific Readings.—Reading and discussion of some German or French bacteriological text. (Recommended for first and second year students.) *I, II*; (*½ unit*). Professor HARDING, Assistant Professor PRUCHA

105. Bacteriological Literature.—Assigned readings. Each student will be required to prepare and deliver an acceptable course of lectures. (Recommended for second and third year students.) *Once a week, or once in two weeks; I, II;* (*½ or 1 unit*). Professor HARDING

106. Research on Assigned Problems.—Assigned reading; laboratory ; reports. (Open to graduate students whose development permits their undertaking problems of dairy bacteriology with only general supervision.) *I, II*; (*½ to 2 units*). Professor HARDING, Assistant Professor PRUCHA

107. Dairy Chemistry.—Assigned reading and problems. *Once a week; I, II;* (*1 unit*). Dr. KOHMANN

DRAWING, GENERAL ENGINEERING

HARRY WILLARD MILLER, M.E., *Assistant Professor*
HARVEY HERBERT JORDAN, B.S., *Associate*
FRANCIS MARION PORTER, M.S., *Associate*
RUFUS CRANE, A.B., B.S., *Instructor*
CLARENCE ALLEN ATWELL, B.S., *Instructor*
LEO STARR BALDWIN, B.S., *Instructor*
MERTON FORD BANKS, *Assistant*
ROBERT EMMET MURPHY, *Half-time Assistant*

1. Elements of Drafting.—Lettering, isometric oblique and perspective drawing, orthographic projection; machine sketching; working drawings. Lettering; mechanical styles and the making of name plates and titles. Mechanical drawing; 12 plates from specifications and 6 plates from models, with tracings of each. Dimensioned sketches from parts of standard machines; complete working drawings. Tracings duplicated in blue-print form. Time sketches of equipment. More advanced work is given to students who have had high school drawing. Miller: *Mechanical Drafting. I* or *II;* (4). The Department staff

2. Descriptive Geometry.—The point, line, and plane; the properties of surfaces; intersections and developments (for architects, perspective instead of intersections and developments). Practical problems; recitations. Three drawing room plates, 2 hours each, 5 problems per plate, and 2 home plates, 5 problems each per week. Miller: *Descriptive Geometry. I* or *II;* (4). The Department staff

Prerequisite: Solid geometry, college algebra, plane trigonometry.

21. Advanced Descriptive Geometry.—Review of course 2; the cylinder, cone, convolute, and warped surface; intersections of these surfaces in pairs, and by planes; planes tangent; developable and approximately developable surfaces and doubly curved and complex surfaces of revolution; practical applications and methods. *II*; (2). Mr. PORTER

Prerequisite: General Engineering Drawing, 1, 2.

ECONOMICS

(See also BUSINESS ORGANIZATION AND OPERATION, and TRANSPORTATION.)

DAVID KINLEY, Ph.D., LL.D., *Professor*
MAURICE HENRY ROBINSON, Ph.D., *Professor*
ERNEST LUDLOW BOGART, Ph.D., *Professor*

NATHAN AUSTIN WESTON, Ph.D., *Assistant Professor*
SIMON LITMAN, Dr.Jur.Pub.et Rer.Cam., *Assistant Professor*
CHARLES MANFRED THOMPSON, Ph.D., *Assistant Professor*
JOHN GIFFIN THOMPSON, Ph.D., *Instructor*
CHARLES LESLIE STEWART, Ph.D., *Instructor*
HENRY ELMER HOAGLAND, A.M., *Instructor*
FREDERIC ARTHUR RUSSELL, Ph.D., *Instructor*
MERVIN HAROLD HUNTER, Ph.D., *Instructor*
PAUL HOWARD DOUGLAS, A.M., *Instructor*
JOSEPH BOYCE VERNON, A.B., *Assistant*
WILLIAM HENRY DREESEN, A.M., *Assistant*
MAURICE ELZIN MURPHY, A.M., *Assistant*
PEMBROKE HOLCOMB BROWN, A.B., *Assistant*

Major: For students in the College of Liberal Arts and Sciences twenty hours, made up of Economics 1 and any other courses for which it is a prerequisite.

Minor: Twenty hours in any one or two of the following subjects: history, philosophy, political science, and sociology.

Economics, 7, 22, and 26 are open to freshmen without previous requirement. Economics 27 is also open to freshmen, but requires credit in course 26 or an approved high school course in commercial geography.

Economics 1 and 3 are the fundamental courses in economics. They are prerequisites for most of the advanced courses and students expecting to do advanced work in economics should take them both in their sophomore year.

Economics 2 though open to all students who have had 30 hours of university work, is primarily for students in the colleges of Agriculture and Engineering and in courses in household science, 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 note preceding the description of courses in economics above.) *I*; (5).
Assistant Professor C. M. THOMPSON, Dr. J. G. THOMPSON, Dr. STEWART, Mr. HOAGLAND, Dr. RUSSELL, Dr. HUNTER, Mr. DOUGLAS, and assistants.

Prerequisite: Thirty hours of University work

2. Principles of Economics.—(See note preceding the description of courses in economics above.) *II*; (3).
Assistant Professor C. M. THOMPSON, Dr. STEWART, Mr. HOAGLAND, Dr. RUSSELL, Dr. HUNTER, Mr. DOUGLAS.

Prerequisite: Thirty hours of university work.

3. Money and Banking.—The history and theory of money, credit, and banking. (See note preceding the description of courses in economics above.) *II*; (3).
Assistant Professor WESTON, Dr. STEWART, Dr. HUNTER, Mr. DOUGLAS, and assistants.

Prerequisite: Economics 1.

7. English Economic History.—Industrial development; manorial system; guilds; commercial policy and expansion of the seventeenth and eighteenth centuries; industrial and manufacturing growth of the nineteenth century. (*Open to freshmen and sophomores only.*) *I;* (3). Professor BOGART

16c. Agricultural Economics.—The application of the principles of economics to the problems of agriculture. *II*; (3). Dr. J. G. THOMPSON

Prerequisite: Economics 1 or 2.

22. The Economic History of the United States.—Explorations and settlements leading to the colonization of this continent; growth of industry, agriculture, commerce, transportation, and labor from the agricultural communities of the colonies to the industrial and commercial society of today. (*Open to freshmen only.*) *II;* (3). Professor BOGART, Assistant Professor C. M. THOMPSON, and assistants.

23. Statistics.—Sources of data; purposes of statistics; preparation of schedules; analysis of returns; averages and index numbers; frequency tables; graphic methods; limitations of statistics; application of statistical methods to current problems. *II*; (3). Mr. HOAGLAND

Prerequisite: Economics 1.

26. Economic Resources.—Environment influences affecting commercial and industrial development; products and industries of different countries; the extent and distribution of the resources and the industrial and commercial activities of the United States. (*Open to freshmen and sophomores only.*) *I;* (3).
Assistant Professor LITMAN, Dr. RUSSELL, Dr. HUNTER, and assistants

27. Modern Industries.—The raw materials of commerce; geographical distribution; the leading industries which utilize these materials; sources of power; investment of capital; employment of men and of machinery; stages of production; distribution of finished commodities. (*Open to freshmen and sophomores only.*) *II;* (3). Assistant Professor LITMAN, and assistants

Prerequisite: Economics 26, or an approved high-school course in commercial geography.

32. Marketing Farm Produce.—Prices; seasonal aspects; middlemen; speculation; transportation; terminal problems; regulative and protective legislation; crop statistics; public markets; direct sales; European and American marketing conditions. *II*; (2). Dr. STEWART

Prerequisite: Economics 1 or 2.

33. Economics of Insurance.—The historical development and economic aspects of insurance. *I*; (2). Professor ROBINSON

Prerequisite: Economics 1 and 3.

34. Property Insurance.—Technical characteristics and economic effects of fire, marine, title, and credit insurance and corporative suretyship. *II*; (2).
Professor ROBINSON

Prerequisite: Economics 1 and 3.

35. Corporations.—Organization and financial management of corporations: promotion, issuance of securities, capitalization, financial accounting, insolvency, and reorganizations. (*Open to junior and senior engineering students only.*) *I;* (3).
Professor ROBINSON

Prerequisite: Economics 1 or 2.

Courses for Undergraduates and Graduates

4. Financial History of the United States.—Colonial, revolutionary, and federal finances: receipts and expenditures, the debt, war finance, internal revenue and the

fiscal aspects of the tariff; currency and coinage and the inflationist movements. *I*; (3). Mr. DOUGLAS

Prerequisite: Economics 1 and 3; senior standing.

5. Public Finance.—Public expenditures; financial administration; taxation; public debts. *I*; (3). Professor BOGART, Professor ROBINSON, Mr. DOUGLAS

Prerequisite: Economics 1 and 3. Students who have had 6 hours in history and Political Science 1, and who present a statement from the department of political science showing that they are taking political science as a major, may be admitted without Economics 3.

8. The Money Market.—*II*; (2). Assistant Professor WESTON

Prerequisite: Economics 1 and 3, Business Organization and Operation 1, senior standing. For the present year former Economics 6 will be accepted instead of Business Organization and Operation 1.

9. Practical Banking.—*I*; (2). Assistant Professor WESTON

Prerequisite: Economics 1 and 3; Business Organization and Operation 1; senior standing. For the present year former Economics 6 will be accepted instead of Business Organization and Operation 1.

10. Corporation Management and Finance.—Growth, causes, and forms of corporation; promotion, financiering, incorporation, and capitalization of consolidations; organization and securities; stockholders and directors; reports; stock speculation; relation of industrial corporations to international competition; receiverships and reorganizations; social and political effects. *II*; (3). Professor ROBINSON

Prerequisite: Economics 1 and 3.

11. Industrial Consolidation.—Growth of monopoly; monopoly prices and methods; ability of trusts to affect prices, wages, interests, and profits; proposed plans for controlling trusts. *I*; (3). Professor ROBINSON

Prerequisite: Economics 10.

12a-12b. Labor Problems.—First semester: The wage earning class; relations with other classes; early organizations; free land and growth of industry; modern trade unions; employers' associations; comparison with European experience. Second semester: Collective bargaining; unorganized labor; immigration; woman and child labor; industrial education; unemployment; bonus systems; industrial peace; labor legislation; attitude of the public. (The second semester's work may not be taken without the first except with the consent of the instructor.) *I, II*; (3). Mr. HOAGLAND

Prerequisite: Graduate or senior standing; Economics 1 and 3. Students who have had 6 hours in history and Sociology 1 and who present a statement from the department of sociology showing that they are taking sociology as a major, may be admitted without Economics 3.

13. Economic Development of Europe Since the Industrial Revolution.—The economic history of France, Germany, and England since the industrial revolution. *II*; (3). Professor BOGART

Prerequisite: Sixty hours of university work, including Economics 1 and 3. Students who present a statement from the department of history showing that they are taking history as a major, may be admitted without Economics 3.

14. Agricultural Cooperation.—The organization, financing, and management of cooperative associations for the promotion of farming. (*Open to junior and senior students of agriculture only.*) *II;* (2). Dr. STEWART

Prerequisite: Economics 1 or 2.

15. Rural Credit.—The credit and banking needs of farmers and rural communities and means of supplying them. (*Open to junior and senior students of agriculture only.*) *I;* (2). Dr. STEWART

Prerequisite: Economics 1 or 2.

17. Economic History of Agriculture.—Land tenure and landed property; large, medium, and small farms or estates; economic conditions and results of extensive and intensive culture; agricultural credit, markets, and labor; state of the agricultural class; organization in agriculture, and its relation to other industries and to the state. *II*; (2). Dr. J. G. THOMPSON

Prerequisite: Economics 1 or 2.

19. United States Industry, 1820-1860.—Growth, distribution, and character of the population; the public domain and the westward movement; inland communication and transportation; foreign commerce and the carrying trade; distribution, extent, and methods of agriculture; manufacturing; labor and labor saving machinery; currency and banking; the tariff. *I*; (2).

Assistant Professor C. M. THOMPSON

Prerequisite: Open to graduates and seniors who have had Economics 1 and are taking a major in one of the social sciences.

20. United States Industry Since 1860.—Improved methods of agriculture and the effect of exploiting new lands; the factory system; organized labor; evolution of "big business"; growth of urban centers; mining; economic effects of immigration; monetary questions; railroads and the regulation of interstate trade; foreign commerce; the tariff. *II*; (2).

Assistant Professor C. M. THOMPSON

Prerequisite: Open to graduates and seniors who have had Economics 1 and are taking a major in one of the social sciences.

21. Socialism and Economic Reform.—Proposed reforms: Utopian and scientific socialism; revisionism; socialism as a political movement; anarchism and syndicalism; current economic problems as affected by socialistic theories. *II*; (2). Mr. DOUGLAS

Prerequisite: Economics 1 and 3. Students who have had 6 hours in history and Sociology 1 and who present a statement from the department of sociology showing that they are taking sociology as a major may be admitted without Economics 3.

28. Mechanism and Technique of Domestic Commerce.—Internal trade; wholesale and retail trade organizations; markets, fairs, auctions, stock and produce exchanges; department, mail-order, and cooperative stores; commercial travelers; commercial competition; modern advertising; mercantile credit. *I*; (3).

Assistant Professor LITMAN

Prerequisite: Economics 1 and 3.

[**29. Foreign Commerce and Commercial Politics.**—International trade; changes in theories and in policies; economic systems (mercantile, free trade, protective); customs tariffs; commercial treaties; tariff legislation in the United States. *II*; (3). Not given, 1916-17. Assistant Professor LITMAN

Prerequisite: Economics 28.]

31. Organization of Foreign Commerce.—Exporting and importing; ocean transportation; line and charter traffic; institutions for furthering export trade; consular service; entry of goods; the custom house. *II*; (3).
Assistant Professor LITMAN

Prerequisite: Economics 28.

Courses for Graduates

Students entering upon graduate work in economics must have had a thoro course in the principles of the science and should also have studied some special part of the field, such as public finance or money and banking.

101. Economic Theory.—*Twice a week: I, II;* (*1 unit*). Professor KINLEY

[**102. Theory of Money, Credit, and Prices.**—*Twice a week; I, II*; (*1 unit*). Not given, 1916-17.]

104. Foreign Commerce of the United States.—The foreign commerce of the United States as shown in government publications. *Twice a week; I, II;* (*1 unit*).
Assistant Professor LITMAN

[**105. Public Finance.**—The history and theory of public revenue and expenditure. *Twice a week; I, II;* (*1 unit*). Not given, 1916-17.]

[**107. The Corporation in Economic Evolution.**—*Twice a week; I, II*; (*1 unit*). Not given, 1916-17.]

[**109. Theory of Industrial Consolidations.**—The nature of industrial consolidations; the conditions and causes responsible for their development and their effects upon the production and distribution of wealth. *Twice a week; I, II;* (*1 unit*). Not given, 1916-17.]

110. Investments.—Nature, character, and functions of investments; classes; direct investments; securities of various types; methods of judging investments; state control. *Twice a week; I, II;* (*1 unit*). Professor ROBINSON

118. Seminar.—*I, II.* Professor KINLEY

120. History of Economic Thought.—*Twice a week; I, II:* (*1 unit*).
Dr. J. G. THOMPSON

122. Advanced Economic History of the United States.—*Twice a week; I, II*; (*1 unit*). Professor BOGART

Summer Session Courses

S 2. Principles of Economics.—(3). Assistant Professor C. M. THOMPSON

Prerequisite: One year of university work or the permission of the instructor.

S 3. Money and Banking.—(2½). Dr. STEWART

Prerequisite: A course in the principles of economics and the permission of the instructor.

S 16c. Agricultural Economics.—The economic principles underlying the farming industry and the conditions of rural life. (2½). Dr. STEWART

Prerequisite: Economics 1 or 2, or the permission of the instructor.

S 26. Economic Resources.—Extractive, cultivating, and manufacturing industries of different countries, with special reference to the resources and the economic activities of the United States. (2½). Assistant Professor LITMAN

***S 19. Economic Phases of United States History, 1820-1860.**—Population; the public domain; the westward movement; transportation and communication;

foreign commerce and the carrying trade; agriculture; manufacturing; labor; currency and banking; the tariff. (2); (*½ graduate unit.*)

Assistant Professor C. M. THOMPSON

Prerequisite: At least 8 hours of economics, including the principles. Teachers of experience may be admitted at the discretion of the instructor.

***S 104. Theory and Policies of International Trade.**—Significance of foreign commerce; commercial policies and their effects; growth of international competition; trade expansion; analysis of the export and import trade of the United States. (*1 unit.*) Assistant Professor LITMAN

EDUCATION

WILLIAM CHANDLER BAGLEY, Ph.D., *Professor*
CHARLES HUGHES JOHNSTON, Ph.D., *Professor*
HORACE ADELBERT HOLLISTER, A.M., *Professor*
GUY MONTROSE WHIPPLE, Ph.D., *Professor*
JOHN ALFORD STEVENSON, A.M., *Assistant and Secretary*
NOBLE LEE GARRISON, A.M., *Lecturer*
HARRIET JOSEPHINE BERNINGER, A.B., *Assistant*
WARREN KENNETH LAYTON, A.B., *Assistant*
ALBERT M SANTEE, A.B., *Graduate Assistant*
JOHN E STOUT, *Professor in the Summer Session*
ALVIS L RHOTON, *Instructor in the Summer Session*

Major: 20 hours made up from any of the courses offered by the department.

Minor: 20 hours made up from either (a) courses in any one or two university subjects represented in the high school program; or (b) courses in any one or two of the following departments: psychology, sociology, philosophy, and political science; or (c) from one subject in (a) and one in (b).

The courses of the department fall into two general divisions: courses primarily for professional training and courses more specifically designed for general culture. The first division includes courses 1, 4, 6, 10, 15, 18, 20, 27, 41, 42, 43, 45, 101, 106, 112, 119, and 125. The second division, courses 2, 5, and 13.

Introductory Courses

1. Introduction to Education.—The American public-school system. The principles and aim of education; biological basis, heredity, and environment; instinct, habit, and habit-formation; memory, and the higher mental processes. (This course is required of all students who are given the official indorsement of the Appointments Committee for teaching positions in secondary schools.) *I* or *II*; (4).

Professor BAGLEY, Mr. STEVENSON

Prerequisite: Junior standing. Psychology 1 is desirable as a prerequisite.

2. History of Education.—Evolution of educational theory, institutions, and practise of the Greek, Roman, medieval, and modern civilizations. *II*; (5).

Professor JOHNSTON

Intermediate Courses

10. The Technics of Teaching.—Types of classroom exercises and preparation of teaching plans; hygiene; classroom management; professional ethics. Observation of teaching in neighboring high schools. (This course with Education 1 is required of all students who are given the official recommendation of the Appointments Committee for teaching positions in secondary schools.) *I* or *II*; (3).

Miss BERNINGER, Mr. GARRISON, Mr. STEVENSON

Prerequisite: Education 1.

[16. **Social Education.**—*I*; (3). Not given, 1916-17.]

25. **Educational Psychology.**—(Introductory course.) Instinct; habit and the acquisition of skill; perception and memory; conception, judgment, and reasoning. Lectures; demonstrations. *I*; (3). Professor WHIPPLE

Prerequisite: Psychology 1 or Education 1.

Courses for Advanced Undergraduates and Graduates

4. **Problems of Educational Administration.**—School systems of typical cities and states; recent experiments in administration, discipline, and methods of teaching. *I*; (3). Mr. GARRISON

Prerequisite: Education 1, 2.

5. **Comparative Education.**—Organization, administration, and basic national ideals of the school systems of the United States, Germany, England, and France, with reference to secondary education and to the training of teachers. *I*; (3). Professor JOHNSTON

Prerequisite: Education 1.

6. **Principles of High-School Education.**—Evolution of high schools and of secondary education; proposed reorganization; high schools and the state systems; legal status; articulation with elementary school, college, technical school, community, and home; teaching staff; reconstruction of curriculums; "controls" of instruction; "student activities." (For those who expect to teach in secondary schools.) *I*; (3). Professor JOHNSTON

Prerequisite: Education 1 or its equivalent.

27. **High-School Curriculums.**—Historic curriculums for secondary education; modern curriculum-making; professional supervision; text-books, apparatus, and teaching devices; psychology of high-school subjects; curriculums for typical communities. *II*; (3). Professor JOHNSTON

Prerequisite: Education 1 or 6 (preferably both).

13-14. **Educational Classics.**—Educational writings of Plato, Aristotle, Quintilian, Montaigne, Milton, Locke, Comenius, Rosseau, Pestalozzi, Froebel, and Herbert Spencer. (Ordinarily required for the doctor's degree in education.) *I, II*; (3). Mr. GARRISON

Prerequisite: Education 1, 2.

15. **School Hygiene.**—School architecture and equipment; heating, ventilation, and lighting; posture, exercise, and fatigue; reading and writing; program of studies and daily time table; mental health of teachers and pupils; communicable diseases and the relation of school authorities to health authorities. (Graduate credit subject to approval of the Executive Faculty.) *II*; (2). Professor WHIPPLE

Prerequisite: Education 1, or normal-school graduation, or two years of teaching experience, with at least junior standing.

18. **Method in Educational Research.**—Statistical and other methods as applied to educational investigation. (This course is ordinarily required of all candidates for advanced degrees.) *I*; (2). Professor WHIPPLE

Prerequisite: Education 1, or its equivalent.

19a. **Readings in German Educational Literature.**—*I*; (1). Professor WHIPPLE

Prerequisite: Education 1, and moderate facility in reading German.

19b. Readings in French Educational Literature.—*I*; (1).
Professor WHIPPLE

Prerequisite: Education 1, and moderate ability in reading French.

[**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. *II*; (3). Not given, 1916-17.

Prerequisite: Education 1, or its equivalent.]

41. Vocational Education.—Social significance; institutions and methods in elementary and secondary schools; federal, state, and municipal provisions; recent legislation; present tendencies. *I*; (3). Professor JOHNSTON

Prerequisite: Education 1 or an equivalent satisfactory to the instructor.

42. Auxiliary Education.—Institutions and methods for training defectives and delinquents; Binet-Simon tests and other methods of mental diagnosis; educational treatment of morons and moral delinquents; sensory defectives (the blind and the deaf); public institutions of auxiliary education and their administration. *II*; (2).
Professor WHIPPLE

43. Mental Tests.—Technics of mental tests, including tests of sensory capacities; attention; memory; learning; suggestibility; inventiveness; diagnosis of mental age; general intellectual status; mental retardation. Laboratory. *II*; (2).
Professor WHIPPLE

Prerequisite: Education 25 or an equivalent, and the consent of the instructor.

45. Problems in Educational Psychology.—*II*; (2). Professor WHIPPLE

Courses for Graduates

101. Seminar in Educational Theory.—The philosophical bases of educational theory. *I; (1 unit)* Professor BAGLEY, Professor BODE

106. Seminar in Secondary Education.—Organization, administration, and special methods. Reports and discussions of technical investigations in the fields of high-school administration and pedagogy. *II; (1 unit)*. Professor JOHNSTON

112. Principles of Education.—Survey of the American public-school system; leading principles and doctrines of educational science; the technics of teaching and the problems of class management. (For graduate students who are not majoring in education and who have not taken undergraduate courses in education.) *Twice a week; II; (½ unit)*. Professor BAGLEY

[**119. The Elementary Curriculum.**—The functions and values of elementary-school studies; time allotments; practical exercises in the construction of curriculums. *Twice a week; II; (1 unit)*. Not given, 1916-17.]

125. Seminar in Educational Psychology.—Once a week; *I*; (*1 unit*).
Professor WHIPPLE

Departmental Conference.—All graduate students majoring in education are expected to meet with the departmental staff every alternate Monday from 7 to 9 p. m. *I, II*; (*no credit*).

Summer Session Courses—Education and Psychology

S 1a. Principles of Education.—The function of education; formal and informal education; relation of physical and mental development to the art of teaching. (3). Mr. MILLER

Prerequisite: Junior standing, (but, in the discretion of the instructor, open to teachers who cannot meet this requirement).

S 1b. The Educational System.—The school system of the United States; its present organization, its origin, its distinctive characteristics as compared with other systems; its present problems. Lectures; readings. (1).

Professor BAGLEY

Prerequisite: Junior standing (but, in the discretion of the instructor, open to teachers who cannot meet this requirement).

S 2. History of Modern Education.—The development of educational theory and practise from the Renaissance. Text: Monroe's *History of Education: Brief Course.* (2½). Professor RHOTON

Prerequisite: Junior standing.

S 10. The Technics of Teaching.—Types of classroom exercises and the preparation of teaching plans; the hygiene of instruction; classroom management; professional ethics. (Required of all students who secure the official recommendation of the Appointments Committee for teaching positions in secondary schools.) (3). Miss BERNINGER

S 25. Educational Psychology.—For description see Education 25. (2).

Professor WHIPPLE

Prerequisite: Junior standing, (but, in the discretion of the instructor, open to teachers who cannot meet this requirement.)

***S 4. School Organization and Administration.**—The establishment of schools and provisions for their administration; units of control; maintenance; training and selection of teachers. (2). Professor STOUT

Prerequisite: Education 1 or equivalent (but, in the discretion of the instructor, open to teachers who cannot meet this requirement).

***S 6. The Principles of High-School Education.**—For description see Education 6. (2). Professor JOHNSTON

Prerequisite: Education 1, or equivalent. (High-school teachers and principals may in the discretion of the instructor, be admitted to the course without the prerequisite.)

***S 18. Method in Educational Research.**—For description see Education 18. (1½). Professor STOUT

Prerequisite: Education 1.

***S 20. Supervision.**—The limitations, types, functions, standards, and devices of supervisors; the subject limits and time limits of the course of study, and its adaptation to types of mind; the rating of teachers; improvement of teachers in service; the technics of criticism. Lectures; readings; investigation of special problems. (For principals, superintendents, and supervisors.) (2).

Professor STOUT

Prerequisite: Education 1, or equivalent. (Superintendents, principals, and supervisors may, in the discretion of the instructor, be admitted to the courses without the prerequisite.)

***S 21. Units, Scales, and Standards.**—Units, scales, and standards for measuring educational achievement or determining progress in arithmetic, spelling, handwriting, reading, composition, drawing, history, and geography. Lectures; readings; investigation of a special problem. For school superintendents. (2).

Mr. MILLER

Prerequisite: Education 1 or equivalent. (Superintendents, principals, and supervisors may, in the discretion of the instructor, be admitted to the course without the prerequisite.)

*S 30. **Contemporary Educational Theory.**—Recent writings in educational theory; analysis of the theory underlying contemporary educational movements; the Gary system; junior-high-school movement; prevocational education. (1).
Professor BAGLEY

*S 43. **Mental Tests.**—For description see Education 43. (1).
Associate Professor WHIPPLE

Prerequisite: Education 25 or its equivalent, and the consent of the instructor.

*S 106. **Seminar in Secondary Education.**—For description see Education 106. (*1 unit*). Professor JOHNSTON

*S 104. **Seminar in School Administration.**—(*½ unit*). Professor STOUT
Prerequisite: Graduate standing, with preliminary courses satisfactory to the instructor.

*S 125. **Seminar in Educational Psychology.**—(*½ unit*). Professor WHIPPLE
Prerequisite: Graduate standing, with preliminary courses satisfactory to the instructor.

*S 110. **Seminar in Methods of Teaching.**—The problem of the study of method; the literature of methods of teaching; types of school exercises; study of reports of classroom teaching; classification of types. (*½ unit.*) (Subject to approval of the Executive Faculty of the Graduate School.) Professor BAGLEY

Prerequisite: Graduate standing, with preliminary courses satisfactory to the instructor.

ELECTRICAL ENGINEERING

ELLERY BURTON PAINE, M.S., E.E., *Professor, Acting Head of the Department*
MORGAN BROOKS, Ph.B., M.E., *Professor*
EDWARD HARDENBERGH WALDO, A.B., M.S., M.E., *Assistant Professor*
PHILIP SHERIDAN BIEGLER, B.S., E.E., *Assistant Professor*
LEONARD VAUGHAN JAMES, M.S., E.E., *Associate*
IRA WILLIAM FISK, M.S., E.E., *Associate*
ABNER RICHARD KNIGHT, M.E., *Associate*
JOHN WILLIAMS DAVIS, B.S., *Instructor*
PETER JACOB NILSEN, B.S., *Instructor*

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.

8. Electric Currents and Apparatus.—Direct and alternating current circuits and machines; storage batteries. (Especially for students in chemical engineering.) *I*; (3). Mr. DAVIS

Prerequisite: Physics 1a-1b, 3a-3b; registration or credit in Mathematics 7; registration in Electrical Engineering 68.

11. Direct Current Apparatus.—Generators, motors, distribution curcuits; storage batteries. (For students in mechanical engineering.) *I*; (3).
Professor BROOKS

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).
Professor BROOKS

Prerequisite: Electrical Engineering 11, 61.

25. Direct Current Apparatus.—Laws of electric and magnetic circuits; construction and operation of direct current generators and motors. *I*; (4).
Mr. JAMES, Mr. FISK, Mr. KNIGHT

Prerequisite: Registration in Electrical Engineering 75 and Physics 4a; Mathematics 9.

26. Alternating Currents.—Mathematical and graphical treatment of periodic currents; phenomena in transmission lines and transformers. *II*; (4).
Mr. JAMES, Mr. FISK, Mr. KNIGHT

Prerequisite: Electrical Engineering 25; Physics 4a; registration in Electrical Engineering 76.

35. Alternating Current Apparatus.—Transformers and generators. *I*; (4).
Professor PAINE

Prerequisite: Electrical Engineering 26, 76.

36. Alternating Current Apparatus.—Synchronous, induction, and commutator motors; rotary converters; distributed inductance and capacity; transient phenomena. *II*; (4). Professor PAINE

Prerequisite: Electrical Engineering 35, 85.

55. Electrical Design.—Electromagnets and dynamos, direct and alternating; transformers. *I*; (2). Assistant Professor WALDO

Prerequisite: Electrical Engineering 26; registration in Electrical Engineering 35.

56. Electrical Design.—Induction motors and converters; power plant design. Gebhardt: *Steam Power Plant Engineering. II;* (4).
Assistant Professor WALDO

Prerequisite: Electrical Engineering 35; Mechanical Engineering 2.

61. Direct Current Laboratory.—Circuits and machines. (For students in mechanical engineering.) *I*; (1). Mr. DAVIS

Prerequisite: Registration in Electrical Engineering 11.

62. Alternating Current Laboratory.—Alternating current circuits and machines. (For students in mechanical engineering.) *II*; (1). Mr. DAVIS

Prerequisite: Registration in Electrical Engineering 12.

64. Electrical Engineering Laboratory.—Testing of dynamos and motors. *II*; (1). Mr. DAVIS

Prerequisite: Registration in Electrical Engineering 4.

68. Electrical Engineering Laboratory.—Direct and alternating current circuits and machines. *I*; (1). Mr. DAVIS

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]

[1] In 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. NILSEN

Prerequisite: Registration in Electrical Engineering 25.

76. Electrical Engineering Laboratory.—Determination of the flux and E.M.F. waves of alternators. Alternating current circuits, instruments. *II*; (2). Mr. NILSEN

Prerequisite: Electrical Engineering 25, 75; registration in Electrical Engineering 26.

85. Electrical Engineering Laboratory.—Advanced alternating current testing. *I*; (2). Assistant Professor BIEGLER

Prerequisite: Electrical Engineering 76; registration in Electrical Engineering 35.

86. Electrical Engineering Laboratory.—Advanced alternating current testing. *II*; (2). Assistant Professor BIEGLER

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.) *II*; (*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.) *II*; (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. *II*; (3).

99. Inspection Trip.—*I*; (*no credit*).

Prerequisite: Senior standing.

Courses for Graduates

Entrance upon 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 an electrical machine or apparatus of specified character; 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

104. Telegraphy and Telephony.—*Once a week; I, II;* (*1 unit*). Professor BROOKS

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

106. Illumination.—*Once a week; I, II;* (*1 unit*). Professor BROOKS

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 CELTIC, RHETORIC, and PUBLIC SPEAKING)

STUART PRATT SHERMAN,[1] Ph.D., *Professor*
DANIEL KILHAM DODGE, Ph.D., *Professor*
THOMAS ARKLE CLARK, B.L., *Professor*
ERNEST BERNBAUM, Ph.D., *Professor*
EDWARD FULTON, Ph.D., *Associate Professor*
HARRY GILBERT PAUL, Ph.D., *Associate Professor*
EDWARD CHAUNCEY BALDWIN, Ph.D., *Assistant Professor*
FRANKLIN WILLIAM SCOTT, Ph.D., *Assistant Professor, Chairman and Secretary*
HARRIE STUART VEDDER JONES, Ph.D., *Assistant Professor*
JACOB ZEITLIN, Ph.D., *Assistant Professor*
HERBERT LESOURD CREEK, Ph.D., *Associate*
CLARENCE VALENTINE BOYER, Ph.D., *Associate*
GERTRUDE SCHOEPPERLE, Ph.D., *Associate*
HARRY FRANKLIN HARRINGTON, A.M., *Associate*
HAROLD NEWCOMB HILLEBRAND, Ph.D., *Associate*
MARTHA JACKSON KYLE, A.M., *Instructor*
CLARISSA RINAKER, Ph.D., *Instructor*
EASLEY STEPHEN JONES, A.M., *Instructor*
MERVIN JAMES CURL, A.M., *Instructor*
ROGER SHERMAN LOOMIS, B.Litt., A.M., *Instructor*
HARRISON MCJOHNSTON, A.M., *Instructor*
ROBERT CALVIN WHITFORD, A.M., *Instructor*
LYNN HAROLD HARRIS, Ph.D., *Instructor*
ALLENE GREGORY, Ph.D., *Instructor*
SIGURD OSBORN HUSTVEDT, Ph.D., *Instructor*
ROBERT BRUCE WEIRICK, A.M., *Instructor*
HARRY TORSEY BAKER, A.M., *Instructor*
LEW R SARETT, A.B., LL.B., *Instructor*
EMERSON GRANT SUTCLIFFE, A.M., *Instructor*
HAMILTON JEWETT SMITH, A.M., *Instructor*
JOHN J PARRY, Ph.D., *Instructor*
SADA ANNIS HARBARGER, A.M., *Assistant*
RUTH KELSO, A.M., *Assistant*
LEWIS IGNATIUS BREDVOLD, A.M., *Assistant*
JAMES MANLEY PHELPS, A.M., *Assistant*
CLYDE BYRON BECK, A.M., *Assistant*
MYRTLE AMY CRUZAN, A.B., *Assistant*
CARRYL NELSON THURBER, A.B., *Assistant*
BEATRICE VIRGINIA COPLEY, A.B., *Assistant*
HAROLD FARNSWORTH CHILDS, A.M., *Assistant*

[1] On leave of absence.

Frederic Irvin Myers, A.M., *Assistant*
Chester Clyde Harbison, A.B., *Assistant*
Paul Nissley Landis, A.M., *Assistant*
Gerald Darfield Stopp, A.B., *Assistant*
Ethel Ernestine Sabin, Ph.D., *Assistant*

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.

Minor: 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). Assistant Professor Baldwin in charge, Associate Professor Fulton, Dr. Creek, Dr. Schoepperle, Dr. Hillebrand, Dr. Rinaker, Miss Kyle, Dr. Hustvedt.

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 in not given for the course in addition to English 1-2 or 20 nor for the first semester separately. One semester's work is credited toward a major in English.) *I, II*; (3). Professor Dodge, Associate Professor Paul, Assistant Professor Jones, Assistant Professor Zeitlin, Mr. Baker.

Prerequisite: The minimum entrance requirements in English.

12-13. American Literature.—(Credit is not given for either semester separately.) *I, II*; (2). Associate Professor Paul

Prerequisite: English 1-2 or 10-11.

17. The English Language.—History, characteristics, and usage of modern English. *I*; (3). Associate Professor Fulton

Prerequisite: Rhetoric 1-2.

20. Chief English Writers.—(For those whose program admits of but one semester's work in English, and who therefore may not register for English 1. It is not accepted as a prerequisite for more advanced courses. Credit is not given for the course in addition to English 1 or 10.) *I* or *II*; (4). Dr. Boyer, Dr. Hustvedt, Dr. Harris, Mr. Jones, Mr. Whitford, Mr. Loomis, Mr. Weirick, Mr. Baker.

Prerequisite: One year of college work.

23. Introduction to Shakespeare.—*I* or *II*; (3).
Dr. Boyer, Dr. Hillebrand

Prerequisite: English 1-2 or 10-11.

Intermediate Courses

Prerequisite: Eleven hours of English literature, or eight hours of English literature and eight hours of a foreign language.

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

24. English Literature of the Victorian Period.—*II*; (3). Miss KYLE

29. English Literature from 1557 to 1688, Exclusive of the Drama.—*I*; (3). Assistant Professor BALDWIN

31. English Literature From 1688 to 1789.—*II*; (3). Associate Professor PAUL

33. English Literature From 1789 to 1837.—*I*; (3). Assistant Professor ZEITLIN

Courses for Advanced Undergraduates and Graduates

Prerequisite: Sixteen hours of English literature; or junior or senior standing and the approval of the instructor concerned.

3. The Poetry of Milton.—Origins, forms, artistic and ethical values; Milton's place in English literary history. *II*; (3). Assistant Professor BALDWIN

[**4. History and Principles of English Versification.**—*I*; (2). Not given, 1916-17. Dr. CREEK]

5. Shakespeare.—Intensive study of a few plays, with special emphasis on *Hamlet*. *II;* (3). Professor DODGE

25. Chaucer.—*I*; (3). Assistant Professor JONES

[**43. Browning.**—Intensive reading of the principal poems. *I*; (3). Not given, 1916-17. Miss KYLE]

8-9. Old English (Anglo-Saxon).—Grammar; short poems; *Beowulf*. (The first semester may be taken separately.) *I, II*; (3). Professor DODGE

27-28. Studies of the History of Journalism.—First semester: Evolution of the English literary periodicals and the periodical essay in the Eighteenth Century. Second semester: The magazine in America. Assistant Professor SCOTT

41-42. Teachers' Course.—Methods of teaching English literature and composition in the high school. (This course is not credited toward advanced degrees, or toward a major in English. Either semester may be taken separately.) *I, II*; (2). Associate Professor PAUL

18. Modern English Grammar.—Sentence structure and analysis; grammatical categories; peculiarities of English syntax. *II*; (3). Assistant Professor ZEITLIN

32. The Critical Essayists of the 19th Century.—*II*; (3). Associate Professor FULTON

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

37. Folk-Lore.—The elements of imaginative fiction; origins of the lyric and drama; primitive satire and gnomic literature. Superstitions surviving in English literature. *I*; (2). Dr. SCHOEPPERLE

38. The Arthurian Tradition in England.—The historical Arthur. Celtic tales. Old French Romances (in translation). The tradition in England from the early romances to Arnold, with special attention to Malory and Tennyson. *II*; (2). Dr. SCHOEPPERLE

39. **Introduction to the Literature of the Middle Ages.**—European culture from the fourth century; the relation of English and continental literature, to the fourteenth century. *II*; (3). Dr. CREEK

45. **The Development of the Modern Drama.**—Dramatic tendencies in the nineteenth century, both in England and on the Continent; representative readings, and lectures from the standpoint of comparative literature. *I*; (3).
Dr. HILLEBRAND

52. **Language and Literature of the First Half of the Seventeenth Century.**—Close study of important texts, e.g., Bacon, Hooker, King James Bible, Sir Thomas Brown, etc. *II*; (3). Professor BERNBAUM

60a-60b. **Thesis.**—Special training in investigation for candidates for honors and for other seniors. *I, II*; (1).
Assistant Professor ZEITLIN, Dr. HILLEBRAND, and others

Courses for Graduates

101. **Research in Special Periods.**—Competent graduate students are encouraged to seek the advice and assistance of the department of English and to submit to the department plans for study in the language or literature of the periods mentioned below.

A. Anglo-Saxon language and literature
Professor DODGE, Assistant Professor ZEITLIN

B. Thirteenth and Fourteenth Centuries,
Assistant Professor H. S. V. JONES

C. Sixteenth Century Professor DODGE

D. Seventeenth Century
Professor BERNBAUM, Assistant Professor BALDWIN

E. Eighteenth Century Associate Professor PAUL

F. Nineteenth Century, Professor BERNBAUM, Associate Professor FULTON

[106. **English Literary Criticism from Dryden to Coleridge.**—*Twice a week. I, II*; (*1 unit.*) Not given, 1916-17. Associate Professor FULTON]

108. **The English Epic.**—The 16th, 17th, and 18th Centuries, from the point of view of classical theory. *I, II;* (*1 unit*). Associate Professor FULTON

110. **Old English (Anglo-Saxon) Poetry.**—*Twice a week. I*; (*1 unit*).
Professor DODGE

[112. **The History and Principles of English Grammar.**—*Twice a week. I, II*; (*1 unit*). Not given, 1916-17. Assistant Professor ZEITLIN]

[113. **Historical Prose Syntax.**—The forces, native and foreign, in the development of English prose sentence structure. *I, II*; (*1 unit*). Not given, 1916-17.
Assistant Professor ZEITLIN]

114. **The Development of the Essay.**—An examination of the various types of the English essay with reference to Continental influences and classical origins. *I, II*; (*1 unit*). Assistant Professor ZEITLIN

126. **English Ballads and Metrical Romances.**—*I, II*; (*1 unit*).
Dr. SCHOEPPERLE

128. **Spenser and the Beginning of the English Renaissance.**—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*). Assistant Professor JONES

135. Problems in American Literature.—*Twice a week. I, II;* (*1 unit*).
Associate Professor PAUL

[**136. The Transition from the Seventeenth to the Eighteenth Century: The Rise of Classicism.**—*Twice a week. I, II;* (*1 unit*). Not given, 1916-17.
Assistant Professor PAUL]

[**137. Nineteenth Century Prose Writers.**—The relation of literature to social forces; the works of Mill, Carlyle, Newman, Ruskin, Arnold, and Pater. *Twice a week. I, II;* (*1 unit*). Not given, 1916-17. Professor SHERMAN]

[**138. The Romantic Movement in England.**—*Twice a week. I, II;* (*1 unit*). Not given, 1916-17. Professor SHERMAN]

140. Investigation in Modern English Literature.—For second and third year graduate students. *Three hours, once a week; I, II;* (*1 to 3 units*).
Professor BERNBAUM

141. English Literature from Milton to Dryden inclusive.—(1) Close study of important texts by Milton and Dryden. (2) Lectures on the history of literature from 1642 to 1700. *Twice a week. I, II;* (*1 unit*). Professor BERNBAUM

142. The Conflict of Ideas and Ideals in Eighteenth Century Literature. *Twice a week. I, II;* (*1 unit*). Professor BERNBAUM

B. CELTIC

1-2. Celtic Civilization and Literature in Translation.—(Either semester may be taken separately. This course may not be counted towards a major in English.) *I, II;* (2). Dr. SCHOEPPERLE

Prerequisite: Junior standing.

C. RHETORIC

Elementary Courses

1-2. Rhetoric and Themes.[1]—Required for students in the Colleges of Liberal Arts and Sciences, Commerce, Engineering, and Agriculture. *I, II;* (3).
Assistant Professor SCOTT in charge; Associate Professor FULTON, Assistant Professor JONES, Dr. CREEK, Dr. BOYER, Dr. HILLEBRAND, Miss KYLE, Dr. RINAKER, Mr. JONES, Mr. CURL, Mr. WHITFORD, Dr. HARRIS, Dr. GREGORY, Dr. HUSTVEDT, Mr. LOOMIS, Mr. WEIRICK, Mr. BAKER, Mr. SMITH, Dr. PARRY, Mr. SUTCLIFFE, Miss HARBARGER, Miss KELSO, Mr. BECK, Mr. THURBER, Miss CRUZAN, Miss COPLEY, Mr. CHILDS, Mr. BREDVOLD, Mr. MYERS, Mr. LANDIS, Dr. SABIN.

Prerequisite: The minimum entrance requirements in English.

Intermediate Courses

3a. Exposition.[2]—Themes or topics of general interest; analyses of facts and ideas, literary reviews, and criticisms; informal essays. *I* or *II;* (3).
Mr. JONES, Miss KYLE

Prerequisite: Rhetoric 1-2.

3b. Exposition.[2]—Themes on topics of especial interest to students in engineering, agriculture, science, and commerce. *I* or *II;* (3). Mr. CURL

Prerequisite: Rhetoric 1-2.

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[1]Students who show by examination a proficiency in composition sufficient to qualify them for Rhetoric 2 may be excused from the first semester's work. The examination for those desirous of meeting this qualification will be given at 7 p. m., September 18, in room 228 N. H.

[2]Credit will not be given for both 3a and 3b, nor for more than six hours in Rhetoric 3.

[3c. **Argument.**—Wide reading on both sides of current questions; writing of briefs and of three long arguments. *I*; (3). Not given, 1916-17. Mr. LOOMIS
Prerequisite: Rhetoric 1-2.]

3d. **Description and Simple Narrative.**—*I*; (3). Mr. CURL

6-7. **Narrative Composition.**—Practise in short story writing. (Intended for those who have some aptitude for literary work.) *I, II*; (3). Mr. CURL

Prerequisite: Two years of college work and the consent of the instructor.

10. **Business Writing.**—Correspondence; sales letters; practise in writing business reports and summaries. Lectures and discussions. (Not counted toward a major in English.) *I* or *II*; (2).
Dr. CREEK, Mr. MCJOHNSTON, Mr. WARNOCK, Mr. THURBER, Miss HARBARGER

Prerequisite: Rhetoric 1-2.

12. **The Collecting and Writing of News.**—Gathering news; writing the news-story; types of newspaper narratives; news values considered with the aid of representative newspapers on file in the laboratory. *I*; (3). Mr. HARRINGTON

Prerequisite: Rhetoric 1-2.

13. **The Newspaper.**—(A continuation of Rhetoric 12.) Intervewing and newspaper correspondence; the organization and mechanical details of the newspaper. Practise in writing for newspapers. *Six laboratory periods and three lectures a week. II;* (3). Mr. HARRINGTON

Prerequisite: Rhetoric 1-2, 12.

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). .Mr. MCJOHNSTON

Prerequisite: Rhetoric 10.

25-26. **Senior Conferences (Courses in Commerce and Business Administration).**—Each senior is required to present all papers written during the year for review and criticism. Rewriting may be required if they are open to serious criticism. (Required of all seniors in the College of Commerce and Business Administration.) *I, II*; (1). Mr. MCJOHNSTON

19. **Agricultural News Writing.**—Class exercises; lectures; assignments in gathering and preparing material for agricultural papers. *II*; (3).
Assistant Professor SCOTT

Courses for Advanced Undergraduates and Graduates

15-16. **Editorials and Special Articles.**—Sources and treatment of material for editorials and articles; the interpretation of news; journalistic backgrounds; the relation of current events to the social sciences. Assigned readings; preparation of editorials, articles, and reviews. *I, II*; (3). Assistant Professor SCOTT

17. **Advanced Composition.**—Structure; criticism of current periodical literature; development of material for reports and magazine articles. (Open to a limited number of students, and only on recommendation.) *II*; (3).
Mr. WEIRICK

Prerequisite: Two years of college work.

27a-27b. Editorial Practise.—Reading "copy"; writing headlines; making up; editorial supervision; proof reading; type selection. *Five hours' work on the desk and one lecture a week. I, II;* (3). Mr. HARRINGTON

Prerequisite: Rhetoric 12, 13, or the consent of the instructor.

28. Newspaper Problems and Policies.—The relation of the newspaper to the public. *I*; (2). Mr. HARRINGTON

Prerequisite: Rhetoric 26-27.

29. Making a Country Newspaper.—Small town conditions; rural newsgathering; country correspondence; circulation; advertising; business efficiency; printshop equipment. Special investigations by members of the class. (For seniors who expect to enter the country field.) *II*; (2). Mr. HARRINGTON

Prerequisite: Junior or senior standing.

D. PUBLIC SPEAKING

1. Oral Expression.—Theory and practise of elocution and expression, for public and private address. *I*; (2).

Mr. SARETT in charge, Mr. PHELPS, Mr. HARBISON, Mr. STOPP

Prerequisite: Rhetoric 1-2.

NOTE.—Credit is not given for this course unless it is followed by Public Speaking 2 or 10.

2. Extemporaneous Speaking.—Discussion of topics of current interest, assigned and chosen; adaptation of speaking manner to subject matter, length, and attendant circumstances of the address; cultivation of facility in thinking on the platform. *II*; (2).

Mr. SARETT in charge, Mr. PHELPS, Mr. HARBISON, Mr. STOPP

Prerequisite: Public Speaking 1.

3. Argumentation.—Argumentative discourse; meeting the contentions of an opponent; briefing; speech-writing; criticism of the literature of debate. Text and exercises. *I*; (3). Mr. SARETT

Prerequisite: Public Speaking 1 and 2.

4. Debate.—The spoken debate; team and individual competition; debates on current issues. *II*; (3). Mr. SARETT

Prerequisite: Public Speaking 3.

5. Persuasion.—The winning of individuals and audiences by means of written and spoken appeal; matter; platform manner, and methods. *I*; (2).

Mr. SARETT, Mr. HARBISON

Prerequisite: Public Speaking 1 and 2.

6. The Forms of Public Address.—Types and modes of speeches; speech style, criticism, and standards; practise in using various forms. *II*; (2).

Mr. SARETT

Prerequisite: Public Speaking 1 and 2.

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. *I*; (2). Mr. SARETT

Prerequisite: Public Speaking 1 and 2.

10. Interpretation and Dramatization of Literature.—Oral interpretation of standard literature; the interpretation and staging of plays. *II*; (2).

Mr. PHELPS

Prerequisite: Public Speaking 1.

Summer Session Courses

A—Literature and Language

S 1a. Survey of English Literature.—With S 1b this course covers the work of English 1. (2). Dr. HILLEBRAND

Prerequisite: One year of college work or the equivalent.

S 1b. Survey of English Literature.—With English S 1a, this course covers the work of English 1. (2). Dr. BOYER

Prerequisite: One year of college work or the equivalent.

S 12. American Literature.—Bryant, Irving, Cooper, Hawthorne, Emerson, Poe, Longfellow, Whittier, Lowell. Lectures, discussions, readings, and reports. (2). Assistant Professor PAUL

Prerequisite: One year of college English or the equivalent.

S 23. Shakespeare.—Detailed study of Othello, Twelfth Night, and Henry V, with brief consideration of several other representative plays. (2½).

Professor UPHAM

Prerequisite: One year of college English or the equivalent.

S 33. English Literature from 1789 to 1837.—Wordsworth, Coleridge, Scott, Byron, Shelley, Keats, and Landor; Edgeworth, Austen, Lamb, Hazlitt. (3).

Dr. BOYER

Prerequisite: Eleven hours of English literature, or eight hours of English literature and eight of a foreign language.

S 41. English for Teachers.—For description, see English 41. (2).

Assistant Professor PAUL

Prerequisite: Sixteen hours of English literature. Open to any upperclassman with the consent of the instructor.

***S 39. Spenser.**—The culture of the English Renaissance as illustrated by Spenser's poems. (3); (¾ *unit*). Assistant Professor JONES

Prerequisite: Sixteen hours of English literature.

***S 45. Contemporary European Drama.**—The "theater of ideas," Teutonic naturalism, and the peasant drama of England and Ireland; modern stagecraft; work of contemporary dramatists. (3); (¾ *unit*). Dr. HILLEBRAND

Prerequisite: Sixteen hours of English literature. Open to any upperclassman or graduate student with the consent of the instructor.

***S 135. Problems in American Literature.**—American prose and verse and European sources and influences. (½ *unit*). Assistant Professor PAUL

Prerequisite: Graduate standing.

***S 136. The Rise of Neo-Classicism.**—The literary relations of France and England at the end of the seventeenth century. Lectures, readings, theses. (*1 unit*).

Prerequisite: Graduate standing.

B—Rhetoric

S 1. Rhetoric and Themes.—For description, see Rhetoric 1. (3).

Mr. TIEJE

S 2. Rhetoric and Themes.—For description, see Rhetoric 2. (3).
Mr. SUTCLIFFE

Prerequisite: Entrance credit in English.

S 3. English Composition.—For description, see Rhetoric 3. (3).
Assistant Professor JONES

Prerequisite: Rhetoric 1-2 or equivalent.

C—Public Speaking

S 1. Oral Expression.—Vocal methods and the relation of the voice to the interpretation of thought. (2). Mr. WOOLBERT

Prerequisite: Rhetoric 1 and 2 or equivalent.

(This course does not yield credit until supplemented by Public Speaking 2, 10, or their equivalents.)

S 10. Intrepretation and Dramatization.—Oral reading; stage action; staging and acting of several one-act plays. (2). Mr. WOOLBERT

Prerequisite: Public Speaking 1 or equivalent.

S 11. Problems in the Teaching of Oral English.—Primarily for high-school teachers. (1). Mr. WOOLBERT

Prerequisite: The consent of the instructor.

ENTOMOLOGY

STEPHEN ALFRED FORBES, Ph.D., LL.D., *Professor*
ALEXANDER DYER MACGILLIVRAY, Ph.D., *Associate Professor*
JUSTUS WATSON FOLSOM, D.Sc., *Assistant Professor*
ROBERT DOUGLAS GLASGOW, Ph.D., *Instructor*
EDNA MOSHER, Ph.D., *Instructor*
CHARLES STOCKMAN SPOONER, A.B., *Assistant*
JACOB RAY STEAR, B.S., *Assistant*

Major: 20 hours from courses offered in the department, except Entomology 1, 4, and 16.

Minors: 20 hours in botany, physiology, zoology, horticulture, and agronomy (see page 118).

Beginning courses open to freshmen and without prerequisites are 1a-1b, and 4. Course 1a-1b may be followed by 2 or 3, and course 15 by 7. Course 3 is not open to freshmen, and courses 5 and 15 are not open to freshmen or sophomores. Students preparing for service as economic entomologists should take as many of the courses offered as possible, including especially 2, 3, 4, 7, 8a-8b, and 108. Those preparing for the teaching of zoology should take either 2 and 4, 3 and 4, or 15 and 4.

1a-1b. Elementary Entomology.—Lectures; laboratory; field work. (Open to all students. Not applicable on group requirements of the College of Liberal Arts and Sciences unless both semesters are taken.) *I, II*; (2).
Assistant Professor FOLSOM, Dr. GLASGOW

2. General Entomology.—Field entomology; morphological and physiological entomology; the collection and preservation of specimens; laboratory studies of typical insects; the recognition of adaptive structures and their utilities. (This course, taken with Entomology 3, forms a year's work, covering the whole field, but either may be taken separately.) *I*; (5).
Assistant Professor FOLSOM, Dr. GLASGOW

Prerequisite: Entomology 1a-1b, or 4, or equivalent.

3. General Entomology.—Classification and determination of insects; study of life histories in the insectary and by field observation; collection of information on the ecological relations of insects. *II*; (5).

Assistant Professor FOLSOM, Dr. GLASGOW

Prerequisite: Entomology 1a-1b, or 4, or equivalent.

4. Introduction to Economic Entomology.—Lectures; field work; laboratory. (Primarily for students in the College of Agriculture; not counted for satisfaction of group requirements in the College of Liberal Arts and Sciences.) *I* or *II*; (3).

Assistant Professor FOLSOM, Dr. GLASGOW

5. Introduction to Research.—Preparation for thesis work. Library, language, manuscript, and advanced laboratory work on assigned topics. Three hours in this course are required as a preparation for entomological thesis work. *I*; (3–5).[1]

Associate Professor MACGILLIVRAY, Assistant Professor FOLSOM

Prerequisite: Entomology 2, 3; or 15, 7.

6a-6b. Thesis Investigation.—Subjects 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).

Associate Professor MACGILLIVRAY, Assistant Professor FOLSOM

7. Systematic Entomology.—The external anatomy of insects; terminology of the parts; identification of specimens representing as many as possible of the major groups. *II*; (5). Associate Professor MACGILLIVRAY

Prerequisite: Entomology 2, or 15.

8a-8b. Advanced Economic Entomology.—Assigned problems. Field laboratory, insectary, library, and manuscript work, with practise in the operations of economic entomology. (Intended to prepare students for service as entomologists in experiment stations and other state and government positions. Agronomy 7 and Horticulture 1, 2, and 3 should also be taken as a part of this preparation.) *I, II*; (3). Assistant Professor FOLSOM, Dr. GLASGOW

Prerequisite: Entomology 4, 2, 3, or 4, 15.

9. Advanced Systematic Entomology.—The identification of the characters on which genera and species are based. *I*; (5).

Associate Professor MACGILLIVRAY

Prerequisite: Entomology 2 or 15, and 7.

10. Taxonomy of Immature Insects.—*I*; (5).

Associate Professor MACGILLIVRAY

Prerequisite: Entomology 2 or 15, and 7.

11. Classification of the Coccidæ.—Methods of preparing scale insects for study, the indentification of genera and species, and discussion of their morphology, metamorphosis, and phylogeny. *II*; (5). Associate Professor MACGILLIVRAY

Prerequisite: Entomology 2 or 15, and 7.

13. Medical Entomology.—Insects and the transmission of disease; methods of control and prevention. (Primarily for advanced students preparing for medicine.) *II*; (3). Dr. GLASGOW

Prerequisite: Zoology 3, or its equivalent in microscopical technics.

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[1] In 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*.

15. Introductory Course.—Characteristics of the orders, suborders, and more important families; habits of representative species; anatomy of immature and adult insects; identification of special adaptive structures; classification. Lectures, quiz, field, or laboratory. (Not open to students who have had courses 2 and 3. Those who have had only one of the above courses may take this course for half credit only.) *I*; (5). Associate Professor MacGillivray, Dr. Mosher

Prerequisite: Two years of university work.

16. Apiculture.—The essentials of bee-keeping. Practical operations; laboratory observations; collateral reading. *II*; (2).

Assistant Professor Folsom

17a-17b. Insect Organogeny.—More important systems of organs of adult and immature insects. Laboratory. *I, II;* (3). (*½ unit*).

Associate Professor MacGillivray, Dr. Mosher

Prerequisite: Entomology 7 and 9; senior standing.

18a-18b. Insect Taxonomy.—Structures used in the classification of insects and the identification of a representative collection of insects. Laboratory, *I, II*; (5). Dr. Mosher

Prerequisite: Three years of university work.

Courses for Graduates

The prerequisite for graduate work in entomology is one year's work in biological courses, including an equivalent of either Zoology 1 or Entomology 1a-1b, or 4. Entrance on major work in entomology requires the equivalent of Entomology 2 and 3.

Graduate students who have had at least one year of college work in biological courses may take for graduate credit any of the preceding courses except 1a-1b, 2, 3, 4, 6a-6b, and 13.

102. Research in the Morphology and Embryology of Insects.—*Twice a week*; *I, II;* (*1 or 2 units*). Assistant Professor Folsom

108. Research in Economic Entomology.—*Once or twice a week*; *I, II*; (*1 or 2 units*). Assistant Professor Folsom

109. Research in Systematic Entomology.—*Twice a week*; *I, II*; (*1 or 2 units*). Associate Professor MacGillivray

Summer Session Courses

S 1. General Field and Laboratory Course.—Lectures; laboratory studies; field observations. (For high-school teachers.) (2).

Assistant Professor Folsom

S 3. Economic Entomology.—Stages of development of common injurious insects. Laboratory; field trips. (3). Assistant Professor Folsom

***S 2. Advanced Course.**—Instruction to meet the purposes of the individual student. (2 or 3).[1] Assistant Professor Folsom

***S 4. Advanced Economic Entomology.**—Assigned problems in economic entomology, to prepare advanced students for immediate service as state and government entomologists. (3). Assistant Professor Folsom, Mr. Glasglow

Prerequisite: 15 hours' credit in general and economic entomology.

[1] In 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*.

FARM MANAGEMENT

(See Animal Husbandry.)

FINE ARTS

(See Art and Design and Music. Attention is called also to the courses in Esthetics offered by the departments of Philosophy, Education, Architecture, and Household Science.)

FLORICULTURE

(See Horticulture.)

FRENCH

(See Romance Languages and Literature.)

GENETICS

(See Animal Husbandry.)

GEOLOGY

(Including Mineralogy, Paleontology, and Geography.)

Eliot Blackwelder, Ph.D., *Professor*
Charles Wesley Rolfe, M.S., *Professor*
William Shirley Bayley, Ph.D., *Professor*
Thomas Edmund Savage, Ph.D., *Associate Professor*
Fred Hall Kay, B.S., *Lecturer* (*Assistant State Geologist*)
John Lyon Rich, Ph.D., *Instructor*
Francis Maurice Van Tuyl, Ph.D., *Instructor*
Clarence Samuel Ross, A.M., *Assistant*
Henry Methusalem DuBois, A.M., *Assistant*
Luther Eugene Kennedy, A.M., *Assistant*

Major: One of the elementary courses (1, 3, 13, 5, 35, or 40), followed by 20 hours, in one of the following fields: (a) general geology, (b) paleontology and stratigraphy, (c) mineralogy and petrography, (d) geography. For these the following sequences of courses are suggested: (a) 1, or 3, or 13, 5, 5a, 36, 15, 23, 9, 16, 17; (b) 40, 1 or 3, 16, 17, 22; (c) 1, 3 or 13, 5, 5a, 15, 6, 7, 2; (d) 35, 23, 37, 11, 10, 8, 14 and 24.

Minors: 20 hours selected from any one or two of the following departments: astronomy, botany, chemistry, entomology, and zoology.

Credit will be given for only one of courses 1, 3, and 13, and only two hours' credit in course 35 to students who have taken either 1 or 3, or vice versa. Not more than two of the six elementary courses may be counted in the 20 hours required for a major.

Courses for Undergraduates

1. **General Geology.**—The material and structure of the earth; the processes of change; its history. Four hours discussion; two hours laboratory; two field trips. (Not open to students who have had Geology 3 or 13.) *I* or *II*; (5).

Professor Blackwelder, Dr. Van Tuyl, Mr. Kennedy

3. **Elementary Geology.**—Physical, historic, and economic geology and mineralogy. Lectures; laboratory; field work; occasional excursions on Saturdays. (Not open to students who have had Geology 1 or 12.) *I* or *II*; (5).

Professor Rolfe, Mr. Kennedy

35. General Physiography.—Features and processes of the lands, oceans, and atmosphere. Recitations; laboratory; one or two Saturday field trips. (Students who have had Geology 1 or 3 will receive only two hours' credit in Geology 35.) *I* or *II*; (5) Dr. RICH

5. General Mineralogy.—The commoner minerals of scientific and economic importance; crystallography and blow-pipe analysis. Lectures; laboratory. *I*; (5). Professor BAYLEY, Mr. ROSS

Prerequisite: Chemistry 1 and 2, or equivalent.

5a. Rock-Forming Minerals.—(A continuation of course 5.) The silicate minerals. Lectures; laboratory. *II*; (3). Dr. VAN TUYL, Mr. ROSS

Prerequisite: Geology 5.

22. History of Organic Evolution.—The evolution of plants and animals, as indicated by the fossil record. *I*; (3). Associate Professor SAVAGE

Prerequisite: Geology 1 or 3, or Zoology 1, or Botany 1.

13a. Physical Geology.—Minerals and rocks. (Especially for students in technical courses.) Lectures; laboratory. *I*; (3). Dr. VAN TUYL, Mr. ROSS

Prerequisite: Chemistry 1, 2a; Physics 1a-1b, or equivalent.

13b. Physical Geology.—Dynamic and structural geology. Lectures; laboratory. *II*; (3). Professor BAYLEY, Mr. ROSS

Prerequisite: Geology 13a.

12. Geology of Soils.—Geological processes in soil formation; origin of the various classes of soils; mineral compositions; physical characteristics; transformations. Occasional excursions on Saturdays. (For students of agriculture and others interested in plant growth.) *II*; (5). Professor ROLFE, Mr. KENNEDY

Prerequisite: Chemistry 1 or its equivalent.

14. Meteorology.—The atmosphere and its processes; ocean currents; climate, weather, and forecasting. *I*; (3). Professor ROLFE

2. Economic Geology.—The origin and distribution of the important mineral deposits of North America. Lectures; recitations. *II*; (3). Dr. VAN TUYL

Prerequisite: Geology 1 and 5, or 13b.

36. Petrology.—Laboratory and field identification of the common rocks. *II*; (2). Dr. VAN TUYL

Prerequisite: Geology 5.

8. Geography of Europe.—The effect of the physiographic features of Europe on its climate, resources, population, and industries. *II*; (3). Professor ROLFE

Prerequisite: Geology 1, 3, or 35.

10. Geography of Central and South America.—Physiography, climate, and resources of South and Central America and their influence on development. *II*; (3). Dr. RICH

Prerequisite: Geology 35, 1, or 3.

[**11. Geography of North America.**—Similar to Geology 10. Lectures; reading; map study. *II*; (3). Not given, 1916-17; given in 1917-18 and alternate years.

Prerequisite: Geology 35, 1, or 3.]

37. **Principles of Geography.**—The influence of topography, climate, and other geographical factors on human life and history. Recitations, readings and map studies. *I*; (3). Dr. RICH

Prerequisite: Geology 35, 1, or 3.

[38. **Regional Geology of North America.**—The characteristics of individual geologic provinces. Recitations. *II*; (3). Not given, 1916-17; given in 1917-18 and alternate years.]

39. **Geology of Illinois.**—Stratigraphy, structure, geologic history, and resources. *II*; (3). Associate Professor SAVAGE

19. **Field Geology.**—Excursion, during the Easter recess, to some important district within 300 miles of Urbana. The cost of the trip will be about $30.00. Credit on basis of written report. *II*; (1). Members of the department

Prerequisite: Geology 1, 3, 13b, or 35.

19a. **Field Geology.**—Students who have had Geology 19 and wish to visit another locality the following year should register for 19a. The conditions are the same as for 19. *II*; (1). Members of the department

Courses for Advanced Undergraduates and Graduates

NOTE.—Junior standing is required for these courses.

6. **Optical Mineralogy.**—Microscopic study of minerals, by means of their behavior in polarized light. Lectures; laboratory. *I*; (3).
Professor BAYLEY, Mr. ROSS

Prerequisite: Geology 13a or 5.

7. **Petrography.**—Types of rocks; their origin and classification. Study of representative suite of specimens in the hand specimen and thin section. *II*; (3).
Professor BAYLEY, Mr. ROSS

Prerequisite: Geology 6.

9. **Invertebrate Paleontology.**—Fossils, in biological groups. Lectures; laboratory. *I*; (5). Associate Professor SAVAGE, Mr. DUBOIS

Prerequisite: Geology 1 or 3; or 12 hours in zoology.

23. **Physiography of the Lands.**—The making of topographic features as controlled by such factors as climate and rock structure. Physiographic history. Recitations; laboratory; two Saturday field trips. *II*; (3). Dr. RICH

Prerequisite: Geology 35, 1, 3, or 13b.

15. **Structural Geology.**—Rock deformation and its results. Discussions; laboratory. *II*; (3). Professor BLACKWELDER

Prerequisite: Geology 1, 3, or 13b.

16. **Stratigraphy.**—The successive geologic formations and the fossil faunas by which they are correlated, with special reference to the United States. *II*; (5).
Associate Professor SAVAGE, Mr. DUBOIS

Prerequisite: Geology 9 or 40.

[17. **Earth History.**—Physical conditions and events in the geological periods, with special reference to North America; evolution of life. Discussions; lectures. *II*; (3). Not given, 1916-17; given in 1917-18 and in alternate years.

Prerequisite: Geology 16.]

[21. **Geology of Coal.**—The nature, origin, occurrence, and distribution of coal deposits. *II*; (2). Not given, 1916-17; given in 1917-18 and alternate years.
Prerequisite: Geology 2 and 16.]

[24. **Physiographic Interpretations.**—Interpretation of recent earth history. *I*; (3). Not given, 1916-17; given in 1917-18 and alternate years.
Prerequisite: Geology 23.]

31. **Geology of Oil and Gas.**—Origin and relations of the natural hydrocarbons; their distribution in space and in rock sequence. (A two-day trip to the main oil fields of Illinois will be required, involving an expense of about $10.00.) *II*; (3). Given in 1916-17 and alternate years. Mr. KAY

Prerequisite: One year of geology including Geology 1 or 3 or 13b, and junior standing.

41. **Advanced Field Geology.**—Detailed survey and analysis of a selected district. Professional standards in work and report required. (For 1917 the field will probably be in eastern Wyoming. Party limited to ten, approved in advance.) *Ten weeks in the summer;* (10). Professor BLACKWELDER
Prerequisite: Geology 15, 36, and 16, or equivalent.

45a-45b. **Geological Conference.**—All members and advanced students of the department meet to consider the results of investigations, reviews, and special lectures. Credit given only to those advanced students authorized to register for the course. *I, II*; (1). Professor BLACKWELDER
Prerequisite: An elementary course in geology.

Courses for Graduates

For graduate work in geology the student must have a thoro training in the principles of the science, and must have done advanced work in at least one of its branches. 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 and the history of organic evolution.

101. **Advanced Crystallography.**—Measuring, projecting, and calculating crystal forms, and determining the physical properties of crystallized bodies. *Three to five times 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; I, II; (1 unit).* Not given, 1916-17.]

[103. **Metamorphic Petrography.**—Microscopic study of the metamorphic rocks and the interpretation of their origin. *Twice a week; I, II; (1 unit).* Not given, 1916-17. Given in 1917-18 and alternate years. Professor BAYLEY]

105. **Paleontologic Problems.**—Fossil invertebrates, either by zoological groups or by geological periods. *One to three times a week; I, II; (1 unit.)* Associate Professor SAVAGE

[107. **Structural Problems.**—Interpretation of selected districts; based on geologic maps and other field data. *Once a week; I, II; (1 unit).* Not given, 1916-17. Given in 1917-18 and alternate years.]

[108. **Ore Deposition.**—Problems in the origin of ore deposits, as illustrated by selected mining districts. *Three times a week; I, II; (1 unit).* Not given, 1916-17. Professor BAYLEY]

[125. **Sedimentation.**—The interpretation of sedimentary rocks in terms of their origin. *Twice a week; I, II;* (*1 unit*). Not given, 1916-17. Given in 1917-18 and alternate years. Professor BLACKWELDER]

[126. **Historical Problems.**—Important questions of geologic history. *Twice a week; I, II;* (*1 unit*). Not given, 1916-17. Professor BLACKWELDER]

135. **Research.**—Individual work under the supervision of members of the staff in their respective fields. *Once a week; I, II.*
Professor BLACKWELDER, Professor BAYLEY, Associate Professor SAVAGE, Dr. RICH

136. **Seminar in Physical Geology.**—Special problems in mineralogy, petrography, economic geology, metamorphism, and related subjects. *Once a week; I, II;* (*1 unit*). Professor BAYLEY

137. **Seminar in Historical Geology.**—Special problems in historical geology, palcontology, correlation, and allied subjects. *Once a week; I, II;* (*1 unit*).
Professor BLACKWELDER, Associate Professor SAVAGE

GERMANIC LANGUAGES AND LITERATURE

(Including SCANDINAVIAN.)

JULIUS GOEBEL, Ph.D., *Professor*
OTTO EDUARD LESSING, Ph.D., *Professor*
GEORGE TOBIAS FLOM, Ph.D., *Associate Professor, Scandinavian*
NEIL CONWELL BROOKS, Ph.D., *Assistant Professor*
LEONARD BLOOMFIELD, Ph.D., *Assistant Professor, Comparative Philology*
JOSEPH EUGENE GILLET, Ph.D., *Associate, German and Comparative Literature*
CHARLES ALLYN WILLIAMS, Ph.D., *Associate*
DAISY LUANA BLAISDELL, A.M., *Instructor*
ARMIN HAJMAN KOLLER, Ph.D., *Instructor*
HEINRICH WALDEMAR NORDMEYER, Ph.D., *Instructor*
OSCAR FRIEDRICH WILHELM FERNSEMER, Ph.D., *Instructor*
MAXIMILIAN JOSEF RUDWIN, Ph.D., *Instructor*
BERNHARD ALEXANDER UHLENDORF, A.M., *Instructor*
HERMANN H WIEBE, A.M., *Assistant*

GERMAN

Major: 20 hours in German, excluding German 1, 2, and 3, and including at least 6 hours of 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.

GERMANIC LANGUAGES

Major: 20 hours in German and the Scandinavian languages, provided that at least 8 hours must be in German and 8 hours in one Scandinavian language. Only German courses above the second year, and Scandinavian courses exclusive of Scandinavian 6 and 12 will be acceptable.

Minors: 20 hours in not more than two subjects chosen from the following list: languages, education, history, philosophy, and psychology.

A. GERMAN

First-Year Courses

1. Elementary Course.—Grammar and easy reading for beginners. (Two sections are offered in the second semester for students who enter the University in the second semester.) *I* or *II*; (4). Assistant Professor BROOKS, Assistant Professor BLOOMFIELD, Dr. GILLET, Miss BLAISDELL, Dr. KOLLER, Dr. NORDMEYER, Dr. FERNSEMER, Dr. RUDWIN, Mr. UHLENDORF.

2. Narrative Prose.—Grammar and reading. *I*; (4)
Miss BLAISDELL, Mr. UHLENDORF, Mr. WIEBE

Prerequisite: One year of high-school German or German S 1, or German 1 taken in the second semester.

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). Assistant Professor BROOKS, Assistant Professor BLOOMFIELD, Dr. GILLET, Dr. KOLLER, Dr. NORDMEYER, Dr. RUDWIN, Mr. UHLENDORF.

Prerequisite: German 1.

Second-Year Courses

4. Prose Reading.—Selections from standard prose writers; sight reading; composition. *I* or *II*; (4). Assistant Professor BLOOMFIELD, Dr. GILLET, Dr. WILLIAMS, Miss BLAISDELL, Dr. KOLLER, Dr. NORDMEYER, Dr. FERNSEMER, Dr. RUDWIN, Mr. UHLENDORF, Mr. WIEBE.

Prerequisite: German 2 or 3, or two years of high-school German.

5. Narrative and Historical Prose.—At the option of the instructor one classic in verse may also be read. Composition. *I* or *II*; (4). Dr. GILLET, Dr. WILLIAMS, Miss BLAISDELL, Dr. KOLLER, Dr. NORDMEYER, Dr. RUDWIN.

Prerequisite: German 4, or three years of high-school German.

6. Scientific Prose.—The rapid reading of works of a general scientific character. (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.) *II*; (4).
Dr. WILLIAMS, Dr. FERNSEMER, Dr. RUDWIN, Dr. UHLENDORF

Prerequisite: German 4, or three years of high-school German.

Third-Year Courses

7. Modern Fiction.—(Intended primarily for students who take course 5 in the first semester. Not open to those who have had any course more advanced than 5.) *II*; (3). Assistant Professor BROOKS, Miss BLAISDELL

Prerequisite: German 5, or equivalent.

10. Introductory Goethe Course.—Reading of works illustrating different periods in Goethe's development: *Gœtz von Berlichingen; Egmont; Iphigenie auf Tauris;* selections from *Dichtung und Wahrheit. II;* (3).
Assistant Professor BROOKS, Dr. FERNSEMER

Prerequisite: German 14, or 16, or 24, or 28a.

14. Introductory Schiller Course.—Works illustrating different periods in Schiller's development: Lyrics and Ballads; *Kabale und Liebe; Braut von Messina.* *I;* (3). Assistant Professor BROOKS, Dr. FERNSEMER

Prerequisite: German 5, or equivalent.

16. Elementary Composition and Conversation.—*I* or *II*; (2). Assistant Professor BROOKS, Miss BLAISDELL, Dr. RUDWIN

Prerequisite: German 5, or equivalent.

17. Intermediate Composition and Conversation.—*I* or *II*; (3). Assistant Professor BLOOMFIELD, Dr. FERNSEMER, Dr. RUDWIN

Prerequisite: German 16.

24. Modern Drama.—Rapid reading of dramas by Grillparzer, Hebbel, Hauptmann, and others. *I*; (3). Dr. KOLLER

Prerequisite: German 5, or equivalent.

28a-28b. Lyrics and Ballads.—Their form, development, and different types, the *Volkslied* of the eighteenth and nineteenth centuries and its influence. First semester: the early eighteenth century and the classical period. Second semester: the nineteenth century. (The first semester may be taken separately, but not the second without the first.) *I, II;* (2). Dr. WILLIAMS

Prerequisite: German 5, or equivalent, and sophomore standing.

Primarily Fourth-Year Courses

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*; (3). Professor LESSING

Prerequisite: Three years of college German, or equivalent.

11. German Literature After the Reformation.—Lectures; recitations; reports on assigned collateral reading. *II*; (3). Professor LESSING

Prerequisite: German 26.

25. Teachers' Course.—Discussion of methods; examination of text-books. (Open to seniors and special students who have 20 hours credit in German. This course may not be taken for credit by graduate students.) *II*; (2). Dr. KOLLER

Prerequisite: German 29a or equivalent; completion of or registration in Education 1 or equivalent.

26. German Literature to the end of the Reformation.—Lectures; recitations; reports on assigned reading. *I*; (3). Professor LESSING

Prerequisite: German 10, or 24, or 28a-28b.

27. Lessing.—The life of Lessing. Study of his plays and dramatic theory. *I*; (3). Professor LESSING

Prerequisite: Three years of college German, or equivalent.

29a-29b. Advanced Composition.—Themes on Germany and German life, based on suitable reading, discussed in German. *I, II*; (3). Dr. NORDMEYER

Prerequisite: German 17 for 29a; 29a for 29b.

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, Professor LESSING, Assistant Professor BROOKS, Assistant Professor BLOOMFIELD.

Prerequisite: Senior standing in College, and three years of college German or equivalent.

31. Middle High German.—*I*; (2). Professor GOEBEL

Prerequisite: Senior or graduate standing; three years of college German.

[**32. History of German Civilization.**—Readings; lectures; discussions. Not given, 1916-17. *I*; (3). Assistant Professor BROOKS]

[**39a-39b. Goethe and Schiller.**—Interpretation of Goethe's poems. Goethe's *Tasso;* Schiller's *Ueber naive und sentimentalische Dichtung. I, II;* (2). Not given, 1916-17. 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 Doctor of Philosophy 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*). Professor GOEBEL

105. Old High German.—Grammar and interpretation of the oldest literary documents. *Three times a week; II; (1 unit).* Dr. WILLIAMS

109. Goethe's and Schiller's Philosophy.—*Twice a week*; *I, II*; (*1 unit*). Professor GOEBEL

110. Early German Drama.—German drama to the time of the Reformation; medieval religious drama; Shrovetide plays; beginning of the humanistic drama. *Twice a week; I; (1 unit).* Assistant Professor BROOKS

113. German Literature of the Fifteenth and Sixteenth Centuries.—Survey of the literature on the background of the general history of the time; Luther and the Reformation; Mastersingers and folksongs; the Reformation drama; Hans Sachs; Brant; Fischart; the chap books; the English comedians. *Twice a week; II; (1 unit).* Assistant Professor BROOKS

115. History of German Literature of the Nineteenth Century.—*Twice a week; I, II; (1 unit).* Professor LESSING

[1] In 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*.

[116. **Medieval German Literature with Reference to Political, Religious, and Social History.**—Research. *Twice a week, I*; (*1 unit*). Not given, 1916-17. Professor LESSING]

[117. **History of German Literature during the Eighteenth Century.**—*Twice a week; I, II;* (*1 unit*). Not given, 1916-17. Professor LESSING]

118. **The German Drama Since Schiller.**—Research. *Twice a week*; *I*; *II;* (*1 unit*). Professor LESSING

[119. **The German Novel.**—Research. *Twice a week*; *I, II;* (*1 unit*). Not given, 1916-17. Professor LESSING]

[121. **Walther von der Vogelweide.**—Lectures and interpretations. *Twice a week; II;* (*1 unit*). Not given, 1916-17. Professor GOEBEL]

121a. **The Nibelungenlied.**—Lectures and interpretations. *Twice a week*; *II;* (*1 unit*). Professor GOEBEL

[121b. **Gudrun.**—Lectures and interpretations. *Twice a week; II;* (*1 unit*). Not given, 1916-17. Professor GOEBEL]

B. SCANDINAVIAN

Undergraduate Courses Not Open to Freshmen

1a-1b. **Elementary Norwegian.**—Grammar; conversation; reading from Björnson, Lie, and Ibsen. *I*; (3); *II*; (2). Associate Professor FLOM

[2a-2b. **Elementary Swedish.**—Grammar; pronunciation; composition; easy reading. *I, II*; (2). Not given, 1916-17. Associate Professor FLOM]

4a-4b. **Swedish (Intermediate Course).**—Review of parts of the grammar; composition; Strindberg: *Lycko-Pers resa;* lyric poetry; Tenger: *Frithiofs saga. I, II;* (2). Associate Professor FLOM

Prerequisite: Scandinavian 2a-2b.

6. **Ibsen's Social Dramas.**—Lectures; interpretation of four dramas; Ibsen's technique. Archer's translation is used. *II*; (2). Associate Professor FLOM

Prerequisite: Junior standing.

12. **Norse Mythology.**—Primitive religion; the religious beliefs of the Norseman in pre-christian times; sources; interpretation of the principal myths. *I*; (2). Associate Professor FLOM

Prerequisite: Junior standing.

16. **Introduction to the History of Scandinavian Culture.**—Lectures on the civilization of Scandinavia from the Stone Age to 1000 A. D. *I*; (2). Associate Professor FLOM

[40. **Germanic Mythology.**—Lectures; interpretation of the sources. *II*; (2). Not given, 1916-17. Associate Professor FLOM]

Courses for Advanced Undergraduates and Graduates

14. **History of Old Norse Literature.**—Lectures. *II*; (2). Associate Professor FLOM

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.—The language as a member of the Germanic group; relationship to Gothic and Old English; phonological exercises. Reading of prose texts (*Edda* and *Volsungasaga*). *I, II;* (*1 unit*). Associate Professor FLOM

Summer Session Courses

A. GERMAN

S 1. Beginners' Course.—(4). Assistant Professor BLOOMFIELD, Dr. GILLET

S 2. Intermediate Course.—(Open to those who have had German 1 the regular university year or its equivalent.) (3). Mr. KLINE

Prerequisite: German 1 or its equivalent.

S 3. Prose Reading.—Narrative prose; sight translation; composition. (3). Mr. KLINE

Prerequisite: German 3 or its equivalent.

S 4. Readings from the Classics.—Suderman's *Teja* (2). Dr. PUCKETT

Prerequisite: German 4 or its equivalent.

S 5. Prose Composition and Conversation.—Translation of ordinary prose into German; idiomatic constructions; free composition and conversation. (2). Dr. GREEN

Prerequisite: Two years of university German or the equivalent.

S 6. Modern Drama.—Rapid reading of dramas by Kleist, Hebbel, and others. (2). Dr. GREEN

Prerequisite: Two years of university German or the equivalent.

S 7. Modern Fiction.—Rapid reading of representative short stories. (2). Dr. PUCKETT

Prerequisite: Two years of university German or an equivalent.

***S 11. History of German Literature Since the Reformation.**—(2). Dr. PUCKETT

Prerequisite: Three years of university German or the equivalent.

***S 14. Elementary Readings in Middle High German.**—German language and literature of the Middle Ages. (1½). Dr. GREEN

Prerequisite: Three years of university German or the equivalent.

***S 16. The Development of the Drama in Europe.**—Reading of representative dramas; lectures; reports. (Knowledge of French and German desirable but not required. May be counted toward a major in German.) (1½). Dr. GILLET

Prerequisite: Junior standing.

***S 17. Science of Language for Teachers.**—Phonetics; applications of linguistic science to methods and practise in language-teaching. (May be counted toward a major in German.) (1). Assistant Professor BLOOMFIELD

Prerequisite: Senior standing.

GREEK

(See CLASSICS.)

HISTORY

EVARTS BOUTELL GREENE, Ph.D, *Professor*
CLARENCE WALWORTH ALVORD, Ph.D., *Professor*
LAURENCE MARCELLUS LARSON, Ph.D., *Professor*

ALBERT HOWE LYBYER, Ph.D., *Professor*
WILLIAM SPENCE ROBERTSON,[1] Ph.D., *Assistant Professor*
PAUL VAN BRUNT JONES, Ph.D., *Associate*
THEODORE CALVIN PEASE, Ph.D., *Associate*
ARTHUR CHARLES COLE, Ph.D., *Associate*
NIELS HENRIKSEN DEBEL, Ph.D., *Instructor*
ELIZABETH PARNHAM BRUSH, A.M., *Assistant*
JAY EARLL MILLER, A.M., LL. B., *Assistant*
FRANKLIN CHARLES PALM, A.M., *Assistant*

Cooperating:

WILLIAM ABBOTT OLDFATHER, Ph.D., *Professor, Greek*
HOWARD VERNON CANTER, Ph.D., *Associate Professor, Latin*
FRANK MALLORY ANDERSON Ph.D., *Professor of History at Dartmouth College* (*Summer Session*)
WILLIAM T LAPRADE, Ph.D., *Professor of History at Trinity College* (*Summer Session*)

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, including (a) either Economics 1 or Political Science 1 and 3; and (b) one or two of the following subjects; economics, political science, law, sociology, the history of any literature, history of education, philosophy, and physiography. 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.

Courses for Undergraduates

1a-1b. Continental European History.—Europe from the fourth century to the present time. (The work of neither semester may be taken separately without special permission.) *I, II*; (4). Professor LYBYER, Dr. JONES, and assistants

NOTE.—Three credits for seniors.

2a-2b. English History.—First semester: political history of England to 1603; the larger social, economic, and religious movements. Second semester: the modern history of England; colonial and imperial development. *I, II*; (3).
Professor LARSON, Mr. MILLER

NOTE.—Two credits for seniors.

3a-3b. History of the United States.—First semester: the Colonial era; the Revolution; genesis of the Federal Constitution. Second semester: the United States under the Constitution. (Either semester may be taken separately.) *I, II*; (3). Professor GREENE, Dr. COLE, Dr. DEBEL

Prerequisite: One year of college work.

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.)
Associate Professor CANTER

Prerequisite: One college course in history or the classics; sophomore standing.

17. The History of Illinois.—The political, economic, and social development of a typical commonwealth in the Middle West, considered in its relation to the general course of American History. *I*; (2). Dr. PEASE

Prerequisite: Junior standing in any college of the University.

[1] On leave of absence.

18. The Teaching of History.—Preparation of students for the teaching of history in secondary schools. *I*; (2). Dr. COLE

Prerequisite: History 1a-1b, 3a-3b, or their equivalent; senior standing.

28a-28b. Thesis.—Special training in investigation for candidates for honors and for other seniors. *I, II;* (2). Professor GREENE

Courses for Advanced Undergraduates and Graduates

(Open to seniors and to juniors of high standing. The ability to use French and German is desirable.)

4a-4b. The Constitutional History of England.—First semester: institutional origins. Second semester: modern constitutional practise. (Important for students specializing in history, political science, or law.) *I, II*; (3). Professor LARSON

Prerequisite: One year of college history.

8. Medieval Civilization.—The religious, economic, and intellectual development of medieval society. *I*; (3). Professor LARSON

Prerequisite: History 1a-1b.

9a-9b. The Renaissance and the Reformation. The transition from medieval to modern ideals. *I, II*; (3). Dr. JONES

Prerequisite: History 1a-1b.

11. Special Topics in Ancient History.—Methods of research in Greek and Roman history. The decline of ancient civilization. *II*; (3). Professor OLDFATHER

13. The American Revolution, 1760-1783.—Colonial institutions on the eve of the Revolution; the controversy with the mother country; war and diplomacy; the transition from provincial to republican institutions. *I*; (3). Professor GREENE

Prerequisite: History 3a.

14b. Constitutional History of the United States Since 1789.—*II*; (3). Dr. COLE

Prerequisite: History 3b.

15. The Civil War and Reconstruction in the United States.—*II*; (3). Dr. COLE

Prerequisite: History 3a-3b.

16a-16b. The Exploration and Colonization of the West.—First semester: the Mississippi Valley from the earliest European explorations to the close of the war of 1812. Second semester: the Mississippi Valley since 1815, and the progress of western expansion to the Pacific. (Either semester may be taken separately.) *I, II*; (2). Professor ALVORD

Prerequisite: History 3a-3b.

19. France in the Feudal and Later Middle Ages.—(A reading knowledge of French is desirable.) *II*; (3). Dr. JONES

Prerequisite: History 1a-1b.

20a. Europe From 1815 to 1871.—*I*; (3). Professor LYBYER

Prerequisite: One year of college work in history or political science.

20b. Europe Since 1871.—*II*; (3). Professor LYBYER

Prerequisite: One year of college work in history or political science.

21. The United States Since the Reconstruction.—Historical introduction to contemporary American politics. *I*; (3). Dr. COLE

Prerequisite: History 3a-3b.

23. England in the Seventeenth Century with Special Reference to the Puritan Revolution.—The influence of Puritanism on the institutions and ideals of modern England and America. *II*; (2). Dr. PEASE

Prerequisite: History 1a-1b or 2a-2b.

[**26. The Latin-American Colonies.**—The political, economic, social, and intellectual life of Spain during the period of discovery; the exploration, settlement, and civilization of Spanish America and the Philippines; the exploration and colonization of Brazil. *I*; (3). Not given, 1916-17. Assistant Professor ROBERTSON

Prerequisite: History 1a-1b or 3a-3b.]

[**27. The History of Latin-America From the Wars of Independence to the Present Time.**—The leading Latin-American states; political parties; existing goverments; relations with Europe and the United States; the Old Regime in Texas, Mexico, and California. *II*; (3). Not given, 1916-17.

Assistant Professor ROBERTSON

Prerequisite: History 3a-3b.]

29. The Far East.—The contact of Western nations with the Far East from the sixteenth century to the present time. *II*; (2). Professor GREENE

Prerequisite: One year of college history, economics, or political science, and senior standing.

30. The Ottoman Empire and the Near East.—The history of the lands around the eastern Mediterranean; their international relations since the great Crusades. *I*; (3). Professor LYBYER

Prerequisite: One year of college history, economics, or political science, and senior standing.

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 bibliography. 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 apportunity 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 cooperated with the Illinois State Historical Society and 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 these state organizations, and have been given useful training in the study of manuscript as well as printed material.

The Historical Club, consisting of graduate students in the department, which meets twice a month, gives an opportunity for informal discussion of historical topics.

101. Seminar in American History.—Bibliography; solution of typical problems; reports on the progress of investigations. *Two hours, once a week; I, II; (1 to 2 units).*

In connection with this course, direction in research is offered as follows:

A. American history before 1789. Professor GREENE

B. American history since 1789. Dr. COLE

C. The history of the West. Professor ALVORD

D. American church history. Professor GREENE

[E. Latin-American history. Not given, 1916-17.
Assistant Professor ROBERTSON]

102. Studies in English History.—Selected problems from the history of England in the later middle ages and the early modern period. *Twice a week; I, II; (1 unit).* Professor LARSON

103. Historiography and Historical Method.—Selected problems; studies of representative historians; readings in French and German historical literature. (Required of all candidates for an advanced degree in history who do not present evidence of similar training elsewhere.) *Twice a week; I, II; (½ unit).*
Professor LYBYER

104. Research in European History.—Direction is offered by members of the department as follows:

A. Medieval history. Professor LARSON

B. Modern history of Continental Europe. Professor LYBYER

C. English history. Professor LARSON

D. Renaissance and Reformation. Dr. JONES

E. Asiatic Relations. Professor GREENE, Professor LYBYER

I, II; (1 to 2 units).

105. Studies in the History of the West.—Subject for 1916-17: The French Colonization of the Mississippi Valley. *Once a week; I, II; (1 unit).*
Professor ALVORD

Summer Session Courses

S 1b. European History, 378-1300.—For description see History 1. (2½).
Professor LAPRADE

S 3c. American History, 1783-1861.—For description see History 3b. (2½).
Dr. COLE

(At least junior standing required.)

***S 22. The West in American History, 1850-1872.**—The part played by the West in the sectional controversy, in the Civil War, and in the problems of the early Reconstruction era. (2½). Dr. COLE

Prerequisite: One college course in American history or its equivalent.

***S 23. The Foreign Policy of Great Britain, 1713-1815.**—(2½).
Professor LAPRADE

Prerequisite: One college course in European history or its equivalent.

*S 24. **History of France since 1815.**—The changes of government in 1830, 1848, 1851-2, 1870-5; the connection of France with the unification of Germany and Italy; and the political, colonial, and diplomatic history of the Third Republic. (2½). Professor ANDERSON

Prerequisite: One college course in modern European history, or equivalent preparation.

*S 101. **Investigation of Selected Topics.**—Personal conferences with graduate students who desire guidance in research. Dr. COLE

HORTICULTURE

JOSEPH CULLEN BLAIR, M.S., *Professor, Horticulture*
JOHN WILLIAM LLOYD,[1] M.S., *Professor, Olericulture*
CHARLES SPENCER CRANDALL, M.S., *Professor, Pomology*
CHARLES MULFORD ROBINSON, A.M., *Professor, Civic Design*
HERMAN BERNARD DORNER, M.S., *Assistant Professor, Floriculture*
BETHEL STEWART PICKETT, M.S., *Assistant Professor, Pomology*
RALPH RODNEY ROOT, M.L.A., *Assistant Professor, Landscape Gardening*
ERNEST WINFIELD BAILEY, M.S., *Assistant Professor, Pomology*
CHARLES ELMER DURST, M.S., *Associate, Olericulture*
WARREN ALBERT RUTH, A.M., *Associate, Horticultural Chemistry*
SIMEON JAMES BOLE, A.M., *Associate, Pomology*
FRED WEAVER MUNCIE, Ph.D., *Associate, Floricultural Chemistry*
FREDERICK NOBLE EVANS, M.L.A., *Associate, Landscape Gardening*
ALFRED JOSEPH GUNDERSON, B.S., *Instructor, Pomology*
WILLIAM SANFORD BROCK, A.B., B.S., *Instructor, Pomology*
ARTHUR SAMUEL COLBY, M.S., *Instructor, Pomology*
DUANE TAYLOR ENGLIS, Ph.D., *Instructor, Floricultural Chemistry*
ERNEST MICHAEL RUDOLPH LAMKEY, Ph.D., *Instructor, Floricultural Pathology*
WILLIAM TELL NICOLET, M.L.A., *Instructor, Landscape Gardening*
HOWARD DEXTER BROWN, B.S., *Assistant, Olericulture*
AUGUST GEORGE HECHT, B.S., *Assistant, Floriculture*
LEON DEMING TILTON, B.S., *Assistant, Landscape Extension*
JAMES HUTCHINSON, *Assistant, Floriculture*
EDWARD GEORGE LAUTERBACH, B.S., *Assistant, Floricultural Pathology*

1a. **Elements of Horticulture.**—Fruit growing, vegetable gardening, and ornamental planting, with special reference to the farm home. Recitations; practical exercises. (Required of all freshmen in the General Curriculum in Agriculture.) *I*; (2).
Assistant Professor PICKETT, Mr. RUTH, Mr. BOLE, Mr. GUNDERSON, Mr. BROCK, Mr. COLBY

1b. **Elements of Horticulture.**—(Continuation of 1a. Required of all freshmen in the General Curriculum in Agriculture.) *II*; (2).
Assistant Professor PICKETT, Mr. RUTH, Mr. GUNDERSON, Mr. BROCK, Mr. COLBY

2. **Small Fruits and Grapes.**—The grape, strawberry, raspberry, blackberry, dewberry, currant, gooseberry. History; extent of cultivation; soil; location; fertilizers; propagation; planting; tillage; pruning; insect enemies; diseases; varieties; harvesting, marketing. Lectures; reference readings; laboratory. *II*; (3). Mr. BOLE

Prerequisite: Horticulture 1a.

[1]On leave of absence.

3. Vegetable Gardening.—Commercial vegetable production; survey of trucking sections; analysis of types of vegetable gardening; factors influencing earliness, fertilizing, insects, and diseases; irrigation; equipment; labor and management problems; marketing the leading crops. Lectures; reference readings; practical experience in the greenhouse and department gardens. *II*; (5).

Mr. DURST, Mr. BROWN

Prerequisite: Horticulture 1a and 1b or their equivalents.

4. Plant Houses.—Construction, cost, and maintenance; heating; ventilating. *I*; (4). Assistant Professor DORNER

5. Plant Propagation.—Grafts; buds; layers; cuttings; seeds. Lectures; laboratory; quizzes. *II*; (5). Assistant Professor DORNER, Mr. LAUTERBACH

6. Nursery Methods.—Some details of nursery management and their relation to horticulture in general. Lectures; reference readings. *II*; (2).

Assistant Professor BAILEY

Prerequisite: Horticulture 5; Entomology 4.

7. Spraying.—Materials, appliances, and methods employed in combating insects and fungus diseases. Lectures; reference readings; laboratory; field work. *II*; (3). Mr. RUTH

Prerequisite: Horticulture 1a and 1b or their equivalents; Chemistry 1; Entomology 4.

8. Orcharding.—Pomaceous, drupaceous, and nut fruits; management of large commercial orchards; harvesting; grading; packing; storing; marketing. *I*; (5). Professor CRANDALL, Assistant Professor BAILEY

Prerequisite: Two years of university work; Horticulture 1a and 1b or their equivalents; Horticulture 5; Botany 1; Entomology 4.

[**9. Forestry.**—Forest trees; uses; distribution; artificial production; relations of forest and climate; forestry legislation and economy. *II*; (2). Not given, 1916-17.

Prerequisite: Botany 1, 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; occasional field trips. *I*; (2).

Assistant Professor ROOT

10b. Town Improvement.—The development of the town as an organism and the improvement of small communities, with special reference to the home grounds. Lectures; reference readings; reports; occasional field trips. *II*; (2).

Mr. EVANS

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). Professor BLAIR, Professor CRANDALL

Prerequisite: Botany 4a.

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.

15a. Principles of Plant Growing.—Preparation of soils for greenhouse crops; fertilizers; potting and shifting plants; watering. Lectures; practical greenhouse work. *II*; (5). Assistant Professor DORNER, Mr. HECHT

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*; (5). Mr. HECHT

Prerequisite: Horticulture 15a.

17. Commercial Fruit Culture.—Practical work in orchards and greenhouses; reference readings; seminar. (A limited number of trips will be taken, cost not to exceed $10.00. For students specializing in pomology.) *I*; (5).
Assistant Professor BAILEY

Prerequisite: Horticulture 8 or its equivalent.

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*; (5).
Professor BLAIR, Assistant Professor PICKETT

Prerequisite: Twenty hours' work in horticulture.

19. Amateur Floriculture.—Window gardening; growing of flowers upon 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. LAUTERBACH

21a. Landscape Design (Elementary Course).—Simple composition as applied to landscape design; types of drafting and presentation used in office practise. *I*; (4).
Assistant Professor ROOT, Mr. TILTON

Prerequisite: Architecture 32.

21b. Landscape Design (Second Course).—Private estates and gardens in city and suburban developments. *II*; (4).
Assistant Professor ROOT, Mr. TILTON

Prerequisite: Horticulture 21a.

22. Special Investigation and Thesis.—*I* or *II*; (5-10).[1]

23a-23b. Landscape Design (Third Course).—Drafting; field trips; assigned readings; reports; occasional lectures. *I, II*; (4). Assistant Professor ROOT

Prerequisite: Horticulture 21b.

24a. Trees and Shrubs.—Lectures; reference readings; field trips. *II*; (3).
Assistant Professor ROOT, Mr. TILTON

Prerequisite: Botany 1.

24b. Trees and Shrubs.—(Continuation of 24a.) Lectures; reference readings; field trips. *I*; (3). Assistant Professor ROOT, Mr. TILTON

Prerequisite: Horticulture 24a.

25a-25b. Advanced Landscape Design.—Drafting; field trips; assigned readings; reports; occasional lectures; 15 hours' drafting per week. *I, II*; (5).
Mr. EVANS

Prerequisite: Horticulture 23b.

[1] In 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*.

26a. Planting Design (First Course).—The planting of private estates and gardens. Problems. Planting; lectures; drafting; reference readings; field trips; planting specifications; reports. Six hours' drafting; one lecture. *II*; (3).
Assistant Professor ROOT

Prerequisite: Horticulture 23a, 24b.

26b. Planting Design (Second Course).—The planting of public properties, parks, city forestry work, golf courses, cemeteries. Problems. Lectures; drafting; conferences. Six hours' drafting; one lecture. *I*; (3). Mr. EVANS

Prerequisite: Horticulture 26a.

27a-27b. Landscape Practise.—Principles of construction. The preparation of construction drawings such as grading plans, working drawings, specifications, and reports. *I, II*; (3). Mr. TILTON

Prerequisite: Civil Engineering 32.

28. Exotics.—Temporary decorative plants used in landscape gardening. Lectures; planting plans; field trips. *II*; (1). Mr. EVANS

Prerequisite: Horticulture 23b, 24b.

29a. Garden Design.—The garden in its relation to the house; architectural harmony, utilization, topographic conditions, and planting for architectural or horticultural emphasis. Eight hours' drafting; one lecture. *I*; (3).
Assistant Professor ROOT

Prerequisite: Architecture 32.

29b. Garden Design.—The designing of period gardens and their relation to garden design. Eight hours' drafting; one lecture. *II*; (3). Mr. EVANS

Prerequisite: Horticulture 23a or Architecture 33.

30. Decorative and Bedding Plants.—Tropical and sub-tropical plants used in decorative work in the conservatory; tender plants used in outdoor bedding. Lectures; practical greenhouse work. *II*; (5). Mr. HECHT

Prerequisite: Horticulture 15a.

31. Garden Flowers.—The propagation and growing of annuals, herbaceous perennials, bulbs, and shrubs for cut flowers and ornamental plantings. *I*; (3).
Assistant Professor DORNER

Prerequisite: Horticulture 5; Botany 1.

32. Floral Decoration.—Cut flowers and plants in decorative work; arrangement of flowers in baskets, designs, and bouquets; table decoration; house decoration. (For floricultural students.) *II*; (4). Assistant Professor DORNER

33. Systematic Pomology.—Description, nomenclature, and classification of native and sub-tropical fruits; critical descriptions and identification with special reference to relationships and classifications of varieties. Training is given in judging and displaying fruits. *I*; (2). Assistant Professor BAILEY

34. Vegetables Under Glass.—Practical training in the forcing of vegetables. Lectures; reference readings; laboratory. *I*; (3). Mr. DURST, Mr. BROWN

Prerequisite: Horticulture 3, 15a.

35. Private Conservatory Work.—Types of plants for large conservatories; arrangement; care. *II*; (3). Assistant Professor DORNER

Prerequisite: Horticulture 15a, 4.

36. History of Landscape Gardening.—Lectures; reference readings; library sketches; reports. *II*; (2). Assistant Professor ROOT

37a. Civic Design.—Town remodeling; remedial problems in town planning. Lectures; field trips; reference readings; reports; drafting. *I*; (3).
Professor ROBINSON, Mr. EVANS

Prerequisite: Horticulture 41 or Political Science 4 or 34.

37b. Civic Design.—Town extension; preventive and preservative aspects of town planning. Lectures; reference readings; drafting; textbook. *II*; (3).
Professor ROBINSON

Prerequisite: Horticulture 37a.

38. Office Practise in Landscape Gardening.—Lectures; office work; reports. Practise in carrying out landscape plans in the field. *I* or *II*; (2).
Assistant Professor ROOT, Professor ROBINSON, Mr. EVANS

Prerequisite: Horticulture 27b, 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. *I, II*; (1).
Assistant Professor ROOT

Prerequisite: Permission of the instructor in charge.

40a. Trees and Shrubs (Advanced Course).—Laboratory; field and herbarium work; assigned readings; seminar conferences. *I*; (3).
Assistant Professor ROOT, Mr. EVANS

Prerequisite: Horticulture 24b.

40b. Trees and Shrubs (Advanced Course).—Special problems in the classification and arrangement of plants as to their leaf color. *II*; (3). Mr. EVANS

Prerequisite: Horticulture 24b.

41. Civic Design (Elementary Course).—Lectures introductory to city planning; reference readings; reports. *II*; (1). Professor ROBINSON, Mr. EVANS

Prerequisite: Horticulture 23a.

42. Landscape Design (Elementary Course).—Design of private grounds in the country and city. Lectures; reference readings; reports; six hours' drafting per week. *II*; (3). Assistant Professor ROOT, Mr. TILTON

Courses for Advanced Undergraduates and Graduates

43. Nutrition of Greenhouse Crops.—Soils and fertilizers; moisture and carbon dioxide content of the air; temperature as related to greenhouse crops; greenhouse practise in application to fertilizers, in watering, and in temperature and humidity regulation. Lectures; seminar; laboratory. *I*; (5). Dr. MUNCIE, Dr. ENGLIS

Prerequisite: Botany; 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, II*; (1). Assistant Professor PICKETT

Courses for Graduates

At least two years of collegiate work in horticulture and allied subjects and specific preparation for the chosen topics are required for entrance upon major work in this department.

103. Olericulture.—Horticultural relationships, origins, breeding, fertilizing, cultural requirements, and improvement of vegetables. Conferences. *I, II*; (*1 to 2 units; a student working part time and extending his study for the master's degree over two years may register for ½ to 1 unit for each of the four semesters*).
Professor BLAIR, Professor LLOYD

108. Pomology.—Special problems in the ralationship, adaptation, improvement, propagation, cultivation, pruning, protection, preservation, or marketing of small fruits and orchard fruits. Conferences. *I, II; (1 to 2 units; a student working part time and extending his study for the master's degree over two years may register for ½ to 1 unit for each of the four semesters).*

Professor BLAIR, Professor CRANDALL, Assistant Professor PICKETT

115. Floriculture.—The horticultural status of flowering plants, or special problems in the culture of greenhouse plants. *I, II; (1 to 2 units).*

Assistant Professor DORNER, Dr. MUNCIE

116. Chemistry of Plant Nutrition.—The occurrence of organic compounds in plants; their significance in plant nutrition. Methods of analysis and investigation. Lectures; seminar; laboratory. *I, II; (¾ to 1¼ units).* Dr. MUNCIE

HOUSEHOLD SCIENCE

ISABEL BEVIER, Ph.M., *Professor and Director*
RUTH WHEELER, Ph.D., *Assistant Professor*
LURENE SEYMOUR, Ph.B., B.S., *Associate*
CORA EMELINE GRAY, M.S., *Associate*
MAUD EDNA PARSONS, A.B., *Associate and Director of Lunch Room*
FLORENCE HARRISON, B.S., *Associate*
LORINDA PERRY, Ph.D., *Associate*
LUCILE WHEELER, A.M., *Associate*
GEORGIA ELIZABETH FLEMING, B.S., *Instructor*
ANNA WALLER WILLIAMS, A.M., *Instructor*
LEONA HOPE, *Instructor*
MARY C DEGARMO, A.M., *Instructor*
JEAN GILBERT MACKINNON, A.M., *Instructor*
VIOLA JENNIE ANDERSON, M.S., *Instructor*
MARIE E FREEMAN, A.B., *Assistant*
BERNICE CORNELIA WAIT, *Assistant*
MARY MELVINA RECORDS,[1] *Assistant*

EXTENSION STAFF

ISABEL BEVIER, Ph.M., *Vice Director*
MAMIE BUNCH, A.B., *State Leader in Home Economics*
OLIVE B PERCIVAL, B.S., *Assistant*
FANNIE MARIA BROOKS, A.B., *Assistant*
ANNE I GREEN, B.S., *Assistant*
NAOMI OLIVE NEWBURN, A.B., *Assistant*

Major: 20 hours from any courses offered by the department, excluding Household Science 2 and 7, and including Household Science 3, 5, 6, and 12.

Minors: 20 hours from either (a) chemistry, bacteriology, and physiology; or (b) economics (a minimum of eight hours), along with one or two of the following subjects: art and design, education, history, psychology, and sociology.

Food

1. Selection and Preparation of Food.—Nature and uses; chemical composition; changes effected by heat, cold, or fermentation; selection; marketing expeditions; processes of manufacture; combinations. *II;* (3).

Miss LUCILE WHEELER, Miss MACKINNON, Miss ANDERSON

Prerequisite: Entrance credit in physics; Chemistry 1.

[1]Resigned.

6. Economic Uses of Food.—(Continuation of Course 1.) The economics of the food question; uses and applications of preservatives. *I*; (3).

Miss LUCILE WHEELER, Miss MACKINNON, Miss ANDERSON

Prerequisite: Household Science 1.

14. Problems in the Preparation and Service of Food.—(Continuation of Courses 1 and 6.) Preparation and service of meals for a family; cost and dietetic values; preparation of food in quantities; individual problems in the manipulation of food materials. (Open to: (a) those who are preparing for lunch-room management; (b) those who are preparing for extension work; (c) in special cases, those who have completed the major in household science.) *I* or *II;* (3).

Miss GRAY, Miss WILLIAMS

Prerequisite: Household Science 1, 6; Chemistry 1, 2a; junior standing, and the consent of the instructor.

5. Dietetics.—Diet; the relation of food to health; influence of age, sex, and occupation on diet; the construction of dietaries; dietetic treatment of certain diseases. Laboratory. *I* or *II*; (3). Miss DE GARMO

Prerequisite: Household Science 1, 6; Physiology 4; Chemistry 1, 2a.

18. Lunch-Room Management.—Organization and equipment of lunch rooms. Laboratory practise. (The class takes a trip to Chicago to inspect various types of lunch rooms. The cost of the trip is about $15.00.) *I* or *II*; (5).

Miss PARSONS

Prerequisite: Household Science 1, 5, 6, 14; Economics 1 or 2, and senior standing.

4. Food and Nutrition.—The physiological, chemical, and bacteriological problems of food and nutrition. Individual investigation. *I*; (5).

Assistant Professor WHEELER

Prerequisite: Bacteriology 5; Chemistry 1, 2a, 13a, 9, 9c, five hours in botany or zoology; Household Science 1, 5, 6.

20. Infant Nutrition.—Lectures; readings, discussions. *II*; (2).

Assistant Professor WHEELER

Prerequisite: Household Science 5, and senior standing.

The House

2. Home Architecture and Sanitation.—Situation, surroundings, and construction of the house; hygiene, heating, lighting, ventilating, water supply, and drainage. House planning and sanitary plumbing, fixtures, and internal drainage; making skeleton plans. *I*; (2).

Professor BEVIER, Miss FLEMING, Miss WILLIAMS, Miss HOPE, Assistant Professor ASH, and others.

3. Elementary Home Decoration.—Evolution of the house and home; homes of primitive peoples; theory of color and its application in home decoration; furnishings from a sanitary and artistic standpoint. *II*; (2).

Professor BEVIER, Miss HOPE

Prerequisite: Art and Design 12; Household Science 2; junior standing.

10. Household Equipment and Management.—Expenditure of the income; organization of the household; care of the house and family; home nursing; domestic service problem. Laboratory work in practise apartment. *II*; (2).

Miss GRAY, Miss WILLIAMS

Prerequisite: Household Science 1, 2, 6; Economics 1 or 2; junior standing.

Textiles and Clothing

7. Textiles.—Development of the textile industry from primitive times to the present; the important fibers and materials made from them; movements for bettering textile conditions. *I* or *II*; (2). Miss SEYMOUR

21. Weaving.—Application of the principles of design to weaving. Lectures and laboratory. *I*; (1). Miss SEYMOUR

Prerequisite: Art and Design 1, 12; Household Science 7.

19. Dress Design.—Study of dress from artistic, historic, economic, and hygienic standpoints. Application of principles of design to silhouette, proportion, line, and color. *I*; (3). Miss HOPE

Prerequisite: Art and Design 1, 12; Household Science 7.

12. Clothing.—(Continuation of Course 19)—Demonstrations and laboratory work in drafting, cutting, fitting, and making of garments from designs previously prepared in Household Science 19. *II*; (3). Miss FLEMING

Prerequisite: Household Science 19.

17. Problems in the Study of Textiles.—Microscopic and chemical analysis of fabrics; dyeing; special problems. *II*; (3). Miss SEYMOUR

Prerequisite: Household Science 7, 12; Chemistry 1, 2a.

Courses for Teachers

11. Teachers' Course.[1]—The best methods of presenting the work, and its correlation with other subjects. Practise in planning and presenting of courses. (Two inspection trips are made to other schools, one in April and one in May. The total cost does not exceed $5.00.) *II*; (3).

Professor BEVIER, Miss SEYMOUR, Miss HARRISON

Prerequisite: Household Science 1, 2, 3, 5, 6, 7, 12, 13, and 19; laboratory work in sewing, Saturday morning, first semester; senior standing.

13. History of Home Economics.—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. *I*; (2).

Professor BEVIER, Miss HARRISON, Miss SEYMOUR

Prerequisite: Senior standing.

9. Individual Problems.—Different phases of home economics. *II*; (3).

Professor BEVIER

Prerequisite: Senior standing.

Economics of the Family

15. Economics of the Family Group.—The economic relations of the family as a whole and as individuals. Retail market; sources of income, and social and industrial conditions affecting them; child labor; economic position of women. *I* or *II*; (3). Dr. PERRY

Prerequisite: Household Science 3, 6, 10, 12.

Courses for Graduates

101. Home Economics.—Origin and development of home economics; industrial, educational, and sociological aspects. ***Twice a week; I;*** *(1 unit.)*

Professor BEVIER

[1] Millinery for those taking Household Science 11 is given from 10 to 12 o'clock on Saturday the second semester, and Sewing from 10 to 12 o'clock on Saturday the first semester.

102. Special Investigations.—Problems in the application of the principles of bacteriology, chemistry, and physiology to the ordinary processes used in the preparation of food; problems in nutrition. *Twice a week; I, II; (1 unit).*
Professor BEVIER, Assistant Professor WHEELER

103. Seminar.—Recent advances in nutrition. *Once a week; II; (½ unit).*
Assistant Professor WHEELER

104. Economic Problems of the Family Group.—An intensive study of the economic phases of selected problems of the household. *Twice a week; I, II; (1 unit).* Dr. PERRY

Summer Session Courses

Foods.—The work offered in foods is of two grades: (a), that designed for those who have studied or taught household science and wish to prepare themselves to teach it in high schools; (b) advanced work dealing with the general subject of nutrition.

S 1. Sources and cost of foods, the cooking of various types; planning and service of meals. (1½). Miss MACKINNON

S 2. Relative nutritive value of foods; dietetic values; the relation of foods to the human body. (1½). Miss MACKINNON

Prerequisite: A year's work of college rank with foods; a year of general chemistry; a course in general physiology.

S 4. Clothing.—Textiles used in clothing; cost and care of clothing; use of patterns; drafting; making of clothing. Lecture; discussion; laboratory. (2).
Miss FLEMING

NOTE: S 4 may be substituted for Household Science 12 with the exception of the lecture in Household Science 12.

S 5. Millinery.—Wire, buckram, and cape net frames; covering with velvet and straw. Demonstrations; laboratory. (1). Miss FLEMING

S 6a. Costume Design.—Appropriate dress; proportion of parts; outline of figure and color harmony. Lectures and laboratory. (1½). Miss HOPE

NOTE: S 6a may be taken as an equivalent for Household Science 19 by arranging with the instructor for extra work.

S 6b. House Decoration and Furnishing.—History of furniture; perspective drawing of rooms; color schemes; weaving. Lectures and laboratory. (1½).
Miss HOPE

NOTE: S 6b may be taken as an equivalent for Household Science 3 by arranging with the instructor for extra work.

ITALIAN

(See ROMANCE LANGUAGES AND LITERATURE.)

JOURNALISM

(See RHETORIC 12, 15, 17, 19, under THE ENGLISH LANGUAGE AND LITERATURE.)

LANDSCAPE GARDENING

(See HORTICULTURE.)

LATIN

(See CLASSICS.)

LAW

HENRY WINTHROP BALLANTINE, A.B., LL.B., *Professor and Dean*
OLIVER ALBERT HARKER, A.M., LL.D., *Professor*
FREDERICK GREEN,[1] A.M., LL.B., *Professor*
EDWARD HARRIS DECKER, A.B., LL.B., *Professor*
JOHN NORTON POMEROY, A.M., LL.B., *Professor*
WILLIAM GREEN HALE, B.S., LL.B., *Professor, Secretary*
BARRY GILBERT, A.B., LL.B., *Professor*
CHARLES ERNEST CARPENTER, A.M., LL.B., *Assistant Professor*

First Year Courses

1a-1b. Contracts.—Keener's *Cases on Contracts* and Ballantine's *Problems in Law of Contracts*. *I;* (4): *II;* (2). Professor DECKER

2a-2b. Torts.—Ames and Smith's *Cases on Torts*. *I;* (2): *II;* (3). Professor HALE

3. Real Property.—Warren's *Cases on Property*. *II;* (3). Assistant Professor CARPENTER

5. Criminal Law.—Mikell's *Cases on Criminal Law and Procedure*. *I;* (3). Professor BALLANTINE

6. Personal Property.—Warren's *Cases on Property*. *I;* (3). Assistant Professor CARPENTER

7. Domestic Relations.—Kales' *Cases on Persons* (2nd edition). *II;* (1). Professor GILBERT

11a. Agency.—Wambaugh's *Cases on Agency*. *II;* (3). Assistant Professor CARPENTER

37. Introduction to the Study of Law and Brief Making.—*I;* (2): *II;* (2) Professor DECKER

Second or Third Year Courses

4. Common Law Pleading.—Whittier's *Cases on Common Law Pleading*. *I;* (3). Professor BALLANTINE

8. Evidence.—Thayer's *Cases on Evidence* (2nd edition). *II;* (4). Professor HALE

9. Sales.—Williston's *Cases on Sales* (2nd edition). *I;* (3). Professor HALE

10. Real Property.—Aigler's *Cases on Property* (2nd edition). *II;* (4). Professor BALLANTINE

12a-12b. Equity.—Ames' *Cases on Equity*. *I;* (3): *II;* (2). Professor POMEROY

13. Damages.—Beale's *Cases on Damages* (2nd edition). *I;* (2). Professor DECKER

[**14. Carriers.**—Green's *Cases on Carriers*. *II;* (3). Not given, 1916-17.]

15. Bills and Notes.—Huffcut's *Cases on Bills and Notes* (Colson's edition). *I;* (3). Professor GILBERT

16. Trusts.—Ames' *Cases on Trusts* (2nd edition). *II;* (3). Professor GILBERT

[1] On leave of absence.

18. Wills.—Gray's *Cases on Property* Vol. IV (2nd edition). *II;* (2). Professor POMEROY

19. Partnership.—Gilmore's *Cases on Partnership* (2nd edition). *I;* (2). Professor HALE

20. Equity Pleading.—*Selected Illinois and Federal Cases on Equity Pleading; II;* (2). Professor HARKER

24. Municipal Corporations.—Beale's *Cases on Municipal Corporations. II;* (2). Professor POMEROY

[**27. Future Interests in Property.**—*II;* (3). Not given, 1916-17. Given in alternate years.]

[**28. Insurance.**—*I;* (2). Not given, 1916-17. Given in alternate years.]

30. Public International Law.—Lawrence's *Principles of International Law* and Scott's *Cases on International Law. I;* (3). Professor GARNER

32. Quasi-Contracts.—Thurston's *Cases on Quasi-Contracts. I;* (2). Assistant Professor CARPENTER

34. Public Utilities.—Burdick's *Cases on Public Service Companies* (2nd edition). *II;* (2). Professor BALLANTINE

35a. Brief Making.—Lectures and problems for briefing. *I;* (1). Professor DECKER

35b. Moot Court.—*II;* (1). Professor HARKER

Prerequisite: Law 4 and 35a.

Third Year Courses

4a. Illinois Procedure.—*I;* (3). Professor HARKER

17. Private Corporations.—Canfield and Wormser's *Cases on Private Corporations. II;* (4). Professor GILBERT

21. Suretyship.—Ames' *Cases on Suretyship. II;* (3). Professor DECKER

Prerequisite: Law 15.

22. Constitutional Law.—McClain's *Cases on Constitutional Law. I;* (4). Professor GILBERT

23. Mortgages and the Recording Acts.—Wyman's *Cases on Mortgages. II;* (2). Professor POMEROY

25. Bankruptcy.—Williston's *Cases on Bankruptcy* (2nd edition). *I;* (2). Professor POMEROY

29. Office Practise.—*II;* (2). Assistant Professor CARPENTER

31. Conflict of Laws.—Beale's *Shorter Selection of Cases on Conflict of Laws. I;* (2). Assistant Professor CARPENTER

36a-36b. Moot Court.—*I; II,* (2). Professor HARKER

Prerequisite: Law 4, 20, and 35a.

LIBRARY SCIENCE

PHINEAS LAWRENCE WINDSOR, Ph.B., *Director*
FRANCES SIMPSON, M.L., B.L.S., *Assistant Director, Assistant Professor*
ERNEST JAMES REECE, Ph.B., *Associate*
ETHEL BOND, A.B., B.L.S., *Instructor and Catalog Reviser*
EMMA FELSENTHAL, Ph.B., B.L.S., *Instructor and Reference Assistant*
SABRA W VOUGHT, A.B., B.L.S., *Instructor*
EDNA LYMAN SCOTT, *Special Lecturer*
FANNY E PRICE, B.S., *Reviser and Assistant*

LECTURERS FROM THE STAFF OF THE LIBRARY

FRANCIS KEESE WYNKOOP DRURY, A.M., B.L.S., *Lecturer, Order Work*
PHILIP SANFORD GOULDING, A.B., *Lecturer, Cataloging*
CHARLES EDWARD GRAVES, A.B., *Lecturer, Exchanges*
ALICE SARAH JOHNSON, A.B., B.L.S., *Lecturer, General Reference*
EMMA REED JUTTON, B.L.S., *Lecturer, Loans*
ADAH PATTON, B.L.S., *Lecturer, Cataloging*
MARGARET HUTCHINS, A.B., B.L.S., *Lecturer, General Reference*
OLA M WYETH, A.B., B.L.S., *Lecturer*
MARY TORRANCE, A.B., B.L.S., *Lecturer*
WINIFRED FEHRENKAMP, B.L.S., *Lecturer*

EVA CLOUD, *Lecturer in the Summer Session*

2a-2b. Reference Work.—Methods of bibliographic research; use of reference books; practical work in the reference department of the University library. *I, II*; (3). Assistant Professor SIMPSON

3a-3b. Selection of Books.—Selection for libraries of different types; standard lists, critical periodicals, and other aids; practise in writing book annotations. *I, II*; (2). Miss FELSENTHAL

4a-4b. Practise Work.—Work in the various departments of the University library. (To be taken with Library 2, 16, 17, 18, 19, 20, and 21.) *I, II*; (2). Mr. REECE

6a-6b. Subject Bibliography.—Books in special subjects; literature and bibliography. Lectures by professors in the respective departments of the University. *I, II*; (2). Director WINDSOR, and others

7. History of Libraries.—The foundation, development, and resources of libraries of Europe and the United States. *I*; (2). Given, 1916-17, and in alternate years. Assistant Professor SIMPSON

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). Assistant Professor SIMPSON

Prerequisite: Library 2a-2b.

[**9. History of Books and Printing.**—The early forms of books; the invention and spread of printing; book illustration; book-binding. *II*; (2). Given in alternate years. Not given in 1916-17. Director WINDSOR]

10a-10b. Practise Work.—(Continuation of Course 4, supplemented by one month of work on the staff of an assigned public library.) *I, II*; (4). Mr. REECE

12. General Reference.—Classification and arrangement of books in the University library; card catalogs; reference books. (Intended for freshmen and sophomores in the University, not for students in Library School.) *I* or *II*; (2). Miss HUTCHINS, Miss FELSENTHAL, Miss JOHNSON, Miss VOUGHT, Miss WILLIAMS

13a-13b. Public Documents.—13a: Production and distribution of United States documents; their treatment and use as reference books. 13b: American state and municipal documents; publications of foreign governments. *I, II*; (2). Mr. REECE

15a-15b. Seminar in Library Economy.—Special problems; library economy publications. *I, II*; (2). Mr. REECE and others

16. Order, Accession, and Shelf Work.—Order department records and routine; book-buying; publishers and discounts; copyright; serials and continuations; gifts; exchanges; duplicates; the accession book and its substitutes; the shelf list and its uses; care of pamphlets, clippings, and maps. *I*; (2). Miss VOUGHT

17. Classification and Subject Headings.—Dewey Decimal and Cutter expansive systems; subject headings for dictionary catalog; book numbers. *I*; (3). Miss BOND

18. Cataloging.—Dictionary catalog; classed catalog. *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). Mr. REECE

20. Loan Department.—Records; representative systems; rules, regulations, and practises. *II*; (1). Miss BOND

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:* Magazine and book indexing; marking copy, choice and arrangement of entries. *II;* (2). Director WINDSOR, Miss BOND

22. Library Legislation.—Organization and administration of public libraries, special libraries, state library agencies, library training, library periodicals; field trip (see p. 186). *II*; (3). Miss VOUGHT

23a-23b. Library Administration and Current Library Literature.—Current library periodicals, bulletins, reports, catalogs, and reading lists; organization, reorganization, and administration of small libraries; planning and equipment of reading rooms and small library buildings; library accounts and business forms. *I, II*; (1). Miss VOUGHT

24a-24b. Selection of Books.—English translation of representative works of French, German, Spanish, Italian, and Russian novelists, dramatists, and short story writers of the 19th and 20th centuries; examination of about forty newly published books each month. *I, II*; (2). Assistant Librarian DRURY, Miss FELSENTHAL

29. Comparative Classification and Cataloging.—The principal systems; rules for cataloging. *II*; (2). Miss BOND

Prerequisite: Library 17, 18.

26a-26b. Library Administration.—Advanced trade bibliography; library organization; library architecture; legislative and municipal reference work; library work with children; special topics; field trip (see page 186). *I, II*; (3). Assistant Professor SIMPSON and others

27. Bibliographical Institutions.—Organization and work of societies and institutions of America and Europe; cooperative bibliographical undertakings; international bibliography. *I*; (1). Mr. REECE

28. Practise Work.—Advanced practise work in departments of the University library. *II*; (1–4).[1] Mr. REECE

Summer Session Courses

NOTE: The courses indicated covered six weeks and received no university credit. Only people employed in libraries were admitted.

[1] In 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*.

S 1. Classification; Cataloging; Book Numbers.—*Five times a week.*

S 2. Reference Work.—Reference books suited to the small public library. *Twice a week.*

S 3. Selection of Books.—Book selection and subject bibliography. *Twice a week.*

S 4. Work with Children.—Selection and discussion of children's books; administration of children's libraries; classification and cataloging. *Twice a week.*

S 5. Order and Accession; Loan Department; Binding and Repair.—*Twice a week.*

S 6. Library Administration and Extension.—*Twice a week.*

MANUAL TRAINING

Summer Session Only

JOSEPH C PARK, *Director of Industrial Education, Oswego, New York*
FRED L GRIFFIN, *Assistant in Art Metal Work*
JAMES MERION DUNCAN, *Assistant in Pattern Making*

The courses in manual arts have been arranged to satisfy the needs of three classes of students who attend the summer sessions; (1) superintendents, principals, and teachers in small schools who pursue the work with the idea of either teaching or supervising it in their schools; (2) manual arts teachers and supervisors who take the courses to increase their knowledge and experience; (3) students in other courses who take the work to enrich their experience.

S 1. Industrial Education.—Typical schools and systems of manual arts; schemes for the promotion of industrial education; organization; equipments and materials. (2½). Mr. PARK

S 2. Woodworking.—(For teachers in the seventh and eighth grades and high schools.) Tools; joints; arts and crafts furniture; talks, papers, problems, work at the bench. (Fee, $5.) (3). Mr. PARK, Mr. DUNCAN

S 3. Woodworking.—(For teachers who have completed S 2). Cabinet making; designing and making furniture; wood turning. (Fee, $5.) (3). Mr. PARK, Mr. DUNCAN

S 4. Art Metal Work.—Use and care of tools; hammering from sheet copper, brass, and silver; raising, annealing, filing, sawing or piercing, etching, repousse, enameling, coloring; art lamps, lanterns, candlesticks, boxes, furniture fittings. (Fee, $3.) (2½). Mr. GRIFFIN

S 5 Jewelry.—Buckles, fobs, chains, necklaces, pendants, rings, setting of stones; casting silver; polishing and finishing metals; coloring by chemical and electrical methods. (Fee, $3.) (2½). Mr. GRIFFIN

MATHEMATICS

EDGAR JEROME TOWNSEND, Ph.D., LL.D., *Professor*
GEORGE ABRAM MILLER, Ph.D., *Professor*
HENRY LEWIS RIETZ, Ph.D., *Professor*
JAMES BYRNIE SHAW, D.Sc., *Associate Professor*
CHARLES HIRSCHEL SISAM, Ph.D., *Assistant Professor*
ARNOLD EMCH, Ph.D., *Assistant Professor*
ROBERT D CARMICHAEL, Ph.D., *Assistant Professor*
ARTHUR ROBERT CRATHORNE, Ph.D., *Assistant Professor*

Ernest Barnes Lytle, Ph.D., *Associate*
Gustaf Eric Wahlin, Ph.D., *Associate*
Aubrey John Kempner, Ph.D., *Associate*
William Wells Denton, Ph.D., *Instructor*
Edward Wilson Chittenden, Ph.D., *Instructor*
Levi Thomas Wilson, Ph.D., *Instructor*
Lyman M Kells, Ph.D., *Instructor*
John Rogers Musselman, Ph.D., *Instructor*
Clarence Mark Hebbert, M.S., *Assistant*
Raymond Franklin Borden, A.M., *Assistant*
John Sherman Beekley, A.B., *Assistant*
Charles Francis Green, A.M., *Assistant*
Clarence Hudson Richardson, B.S., *Assistant*
Jessie Marie Jacobs, A.M., *Graduate Assistant*
Ruby Mabel Grimes, A.M., *Graduate Assistant*

Cooperating:

Joel Stebbins, Ph.D., *Professor of Astronomy*
Frank Walter Reed, Ph.D., *Instructor in Astronomy*
Hobart D Frary, M.E., M.S., *Assistant in Summer Session*

Major: 20 hours made up from any undergraduate courses offered by the department, except Mathematics 2, 4, and 8, and including Mathematics 7 and 9.

Minors: 20 hours selected from physics, chemistry, and astronomy.

Courses for Undergraduates

2. College Algebra.—*I* or *II*; (3). Assistant Professor Sisam, Assistant Professor Emch, Dr. Lytle, Dr. Wahlin, Dr. Kempner, Dr. Reed, Dr. Denton, Dr. Chittenden, Dr. Wilson, Dr. Kells, Dr. Musselman, Mr. Richardson, Mr. Borden, Mr. Hebbert, Mr. Beekley, Mr. Green.

Prerequisite: Entrance algebra, 1½ units; plane geometry, 1 unit.

4. Plane Trigonometry.—*I* or *II*; (2). Assistant Professor Carmichael, Dr. Lytle, Dr. Wahlin, Dr. Kempner, Dr. Reed, Dr. Denton, Dr. Chittenden, Dr. Wilson, Dr. Kells, Dr. Musselman, Mr. Richardson, Mr. Borden, Mr. Hebbert, Mr. Beekley, Mr. Green.

Prerequisite: Entrance algebra, 1½ units; plane geometry, 1 unit.

6. Analytic Geometry.—Plane and solid analytic geometry. *II*; (5). Professor Miller, Associate Professor Shaw, Assistant Professor Carmichael, Assistant Professor Crathorne, Dr. Lytle, Dr. Wahlin, Dr. Kempner, Dr. Reed, Dr. Denton, Dr. Chittenden, Dr. Wilson, Dr. Kells, Dr. Musselman, Mr. Richardson, Mr. Borden, Mr. Hebbert, Mr. Beekley, Mr. Green.

Prerequisite: Mathematics 2, 4.

7-9. Differential and Integral Calculus.—The principles developed and applied to functions of one and of several variables. (Section A1 is an honor section and may be selected by those specializing in mathematics or having an average grade of 90 in freshman mathematics.) *I*; (5): *II*; (3). Professor Townsend, Professor Rietz, Assistant Professor Sisam, Associate Professor Shaw, Assistant Professor Emch, Assistant Professor Carmichael, Assistant Professor Crathorne, Dr. Lytle, Dr. Wahlin, Dr. Kempner, Dr. Denton, Dr. Chittenden, Dr. Kells, Dr. Musselman.

Note: Two sections of Mathematics 7 are given the second semester.

8. Differential and Integral Calculus.—(For students in chemistry and chemical engineering.) *I*; (5). Professor MILLER, Dr. MUSSELMAN

Prerequisite: Mathematics 6.

9a. Differential and Integral Calculus.—(Second Course.) The definite (single and multiple) integral; the formation of problems in applied mathematics; line, surface, and volume integrals; the theorem of Stokes and Green; partial differentiation; 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 CRATHORNE, Dr. DENTON, Dr. WILSON.

Prerequisite: Mathematics 7 and 9, or 8.

Courses for Advanced Undergraduates and Graduates

10. Theory of Equations and Determinants.—Fundamental properties of an algebraic equation in one unknown; the solutions of systems of simultaneous equations; theory of a system of linear equations; some fundamental properties of 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, of value in the application of mathematics. *I, II*; (3). Professor TOWNSEND

Prerequisite: Mathematics 7 and 9, or 8.

18. Constructive Geometry.—Development and training of space perception; properties of lines, planes, and the simpler surfaces of the second order, studied by methods of parallel and central projection; graphical interpretation of the processes of analytic geometry; analytic discussion of the methods of descriptive geometry. *II*; (3). Assistant Professor EMCH

Prerequisite: Mathematics 6.

19. Solid Analytic Geometry.—Equations of the plane and right line in space; properties of surfaces of the second degree; the classification and special properties of quadrics; the theory of surfaces. *II*; (3). Assistant Professor SISAM

Prerequisite: Mathematics 10.

21. Method of Least Squares.—Law of probability and error; adjustment of observations; precision of observation; independent and conditional observations. *I*; (2). Professor STEBBINS

Prerequisite: Mathematics 7 and 9, or 8.

23. Averages and Mathematics of Investment.—Meaning, use, and abuse of different kinds of averages; their relation to the theory of probability; application of the elements of probability to annuities, insurance, and branches of science; loans and investments; problems in the evaluation of investment securities. *II*; (3). Dr. WILSON

Prerequisite: Mathematics 2; junior standing.

30-31. Actuarial Theory.—Mathematical treatment of life contingencies; construction of life tables, and of monetary tables; valuation of policies to meet statutory requirements; mathematical theory of risk; distribution of surplus; preparation of annual reports; inheritance taxes; old age pensions; workmen's compensation; theory and practise of investing the funds of an insurance company. *I, II*; (3). Professor RIETZ

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 of persons influential in this development. Lectures; reports on assigned reading. *II*; (2). Dr. LYTLE

Prerequisite: Eighteen hours of mathematics.

35. Teachers' Course.—Secondary algebra and geometry; their educational value; position in course; methods of teaching; correlation; comparison of American methods with those of foreign countries; order and importance of topics; text-books; literature. Lectures; discussions; reports. *I*; (2). Dr. LYTLE

Prerequisite: Junior standing and after 1916-17 eighteen hours of mathematics.

[**40. Fundamental Concepts of Mathematics.**—The number concept; concepts of unity; aggregate, order and correspondence; irrationals and limits, transcendence of e and π; parallel axiom and non-euclidian geometries; ruler and compass constructions; function; logic of mathematics. *II*; (2). Not given in 1916-17. Dr. LYTLE]

Courses for Graduates

100. Seminar and Thesis.—*Three times a week; I, II; (1 or 2 units).* Professors in department

101. Functions of Real Variables.—A general introductory course in the functions of real variables, including a critical study of the fundamental processes of analysis and a discussion, based upon the theory of assemblages, of the existence proofs in differential and integral calculus. *Three times a week; I, II; (1 unit).* Professor TOWNSEND

Prerequisite: Mathematics 16, 17.

[**102. Functions of a Complex Variable.**—*Three times a week; I, II*; (*1 unit*). Not given, 1916-17. Professor TOWNSEND]

[**104. Expansions in Fundamental Functions.**—Theory of integral equations; methods of expansion of arbitrary functions in terms of the characteristic functions of a given nucleus. *Three times a week; I, II; (1 unit).* Not given, 1916-17. Associate Professor SHAW]

[**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, 1916-17. Assistant Professor CRATHORNE]

[**110. Elliptic Functions.**—The elements of the theory with applications to geometry and mathematics. Introduction to the theory of the elliptic modular functions. *Three times a week; I, II; (1 unit).* Not given, 1916-17. Assistant Professor CARMICHAEL]

111. Automorphic Functions.—First semester: The group-theoretic side of the theory. Second semester: Function-theoretic developments and applications. *Three times a week; I, II; (1 unit).* Assistant Professor EMCH

Prerequisite: Mathematics 102, 110, and preferably 132.

113. Theory of Linear Differential Equations.—Oscillation theorems for ordinary linear equations of the second order in real variables; general existence theorems and function-theoretic considerations of ordinary linear equations of order in complex variables; general theory of linear partial differential equations. *Three times a week; I, II; (1 unit).* Assistant Professor CARMICHAEL

Prerequisite: Mathematics 102.

120. Elementary Theory of Groups.—Groups in arithmetic, geometry, and trigonometry; groups which can be represented with a small number of letters; the abstract group theory; the Galois theory of equations. *Three times a week; I, II; (1 unit).* Professor MILLER

Prerequisite: Mathematics 33-34.

[**121. Theory of Groups.**—This course presupposes about one year's work in group-theory. *Three times a week; I, II; (1 unit).* Not given, 1916-17. Professor MILLER]

122. Modern Algebra.—Theory of matrices; system of linear equations; bilinear and quadratic forms; properties of polynomials; algebraic invariants; elementary divisors. *Three times a week; I, II; (1 unit).* Dr. KEMPNER

Prerequisite: Mathematics 7, 9, 10.

[**124. Theory of Numbers.**—*Three times a week; I, II; (1 unit).* Not given, 1916-17. Dr. WAHLIN]

[**129. Theory of Statistics.**—The general methods of statistical investigation. and the application of the principles developed to problems in economics, sociology, and biology. *Three times a week; I, II; (1 unit).* Not given, 1916-17. Professor RIETZ]

130. Invariants and Higher Plane Curves.—Algebraic curves; application of the theory of invariants to higher plane curves; curves of the third and fourth order. *Three times a week; I, II; (1 unit).* Assistant Professor SISAM

Prerequisite: Mathematics 16, 17, 132.

[**131. Algebraic Surfaces.**—The application of homogenous co-ordinates and the theory of invariants to geometry of three dimensions; the general theory of surfaces; the special properties of surfaces of the third and fourth order. *Three times a week; I, II; (1 unit).* Not given, 1916-17. Assistant Professor SISAM]

132. Projective Geometry.—Fundamental concepts; anharmonic ratio; projective pencils and ranges; transformations and groups; theory of conics and quadric surfaces; pencils and ranges of conics; quadratic transformations and projective theory of cubics; applications in mechanics. *Three times a week; I, II; (1 unit).* Assistant Professor CRATHORNE

Prerequisite: Graduate standing in mathematics.

135. Differential Geometry.—Applications of the calculus to the general theory of curves and surfaces based primarily in the use of Cartesian co-ordinates. Relation of the theory of surfaces to the theory of invariants of a pair of quadratic differential forms. *Three times a week; I, II; (1 unit).* Assistant Professor SISAM

141. Vector Methods.—The algebras of quaternions, space analysis, and dyadics; differentiation and integration; rational mechanics, elasticity, hydrodynamics, electrodynamics. *Three times a week; I, II; (1 unit).* Associate Professor SHAW

Prerequisite: Mathematics 16-17.

[**142. General Algebra.**—*Three times a week; I, II; (1 unit).* Not given, 1916-17. Associate Professor SHAW]

Summer Session Courses

S 2. College Algebra.—(Equivalent to course 2.) Rietz and Crathorne's *College Algebra.* (3). Mr. FRARY

Prerequisite: 2½ units entrance mathematics.

S 4. Plane Trigonometry.—(Equivalent to course 4.) Kenyon and Ingold's *Trigonometry.* (2). Mr. FRARY

Prerequisite: 2½ units entrance mathematics.

S 6. Analytic Geometry.—(Equivalent to course 6.) Ziwet and Hopkin's *Analytic Geometry.* (5). Assistant Professor CRATHORNE

Prerequisite: Mathematics 2 and 4.

S 7. Differential Calculus.—(Equivalent to course 7.) Townsend and Goodenough's *Essentials of Calculus.* (5). Dr. CHITTENDEN

Prerequisite: Mathematics 6.

S 9. **Integral Calculus.**—(Equivalent to Mathematics 9.) Townsend and Goodenough's *Essentials of Calculus.* (3). Professor TOWNSEND

Prerequisite: Mathematics 7.

*S 102. **Advanced Calculus.**—Properties of functions of two or more variables; the application of these properties to problems in geometry and mechanics. (*1 unit*). Professor TOWNSEND

Prerequisite: Mathematics 7, 9.

*S 105. **Calculus of Variations.**—Those elements of the science most needed in the study of the higher subjects of mathematical astronomy and physics. (*1 unit*). Dr. CRATHORNE

Prerequisite: Mathematics 16.

MECHANICAL ENGINEERING

CHARLES RUSS RICHARDS, M.M.E., *Professor*
GEORGE ALFRED GOODENOUGH, M.E., *Professor, Thermodynamics*
BRUCE WILLET BENEDICT, B.S., *Director, Shop Laboratories*
OSCAR ADOLPH LEUTWILER, M.E., *Professor, Machine Design*
ARTHUR CUTTS WILLARD, B.S., *Assistant Professor, Heating and Ventilation*
ELISHA NOEL FALES, A.B., B.S., *Assistant Professor, Aeronautics*
JOHN ADLUM DENT, M.E., *Associate*
ALONZO PLUMSTED KRATZ, M.S., *Research Associate, Engineering Experiment Station*
ROBERT THOMAS KENNEDY, *Associate, Foundry Practise*
HARRY FREDERICK GODEKE, B.S., M.E., *Instructor*
EDWIN FRANK, B.S., *Instructor*
HARRY WILLIAM WATERFALL, B.S., *Instructor, Machine Design*
HORATIO SPRAGUE MCDEWELL, M.M.E., *Instructor*
ARTHUR C HARPER, B.S., *Instructor, Machine Design*
CLAUDE LOWELL HARRELL, B.S., *Instructor, Mechanical Engineering*
EDGAR THOMAS LANHAM, *Instructor, Forge Practise*
GUSTAVE ADOLPH GROSS, *Instructor, Pattern Making*
GUSTAVE HOWARD RADEBAUGH, *Instructor, Machine Practise*
JAMES HARVEY HOGUE, *Instructor, Foundry Practise*
JEREMIAH AMOS DE TURK, *Instructor, Machine Practise*
LEROY ALONZO WILSON, M.M.E., *First Assistant, Engineering Experiment Station*
JAMES MERION DUNCAN, *Assistant, Pattern Making*
PETER JOSEPH REBMAN, *Assistant, Forge Practise*
JOHN ALEXANDER FRISK, *Assistant and Mechanician*

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 applications. (For students in civil and mining engineering.) *I*; (3). Mr. DENT, Mr. HARPER

Prerequisite: Junior standing.

2. Steam Engineering.—Engines, boilers, pumps, condensers, and other steam machinery. *II*; (3). Mr. GODEKE, Mr. MCDEWELL, Mr. FRANK

Prerequisite: Physics 1a-1b, 3a-3b.

3. Steam Engineering.—The steam engine, steam turbine, and other steam machinery. (For students in mechanical engineering.) *I*; (3).
Mr. GODEKE, Mr. WATERFALL

Prerequisite: Junior standing.

11. Thermodynamics and Heat Engines.—(For students in electrical engineering.) *I*; (3). Professor GOODENOUGH, Mr. DENT

Prerequisite: Mechanical Engineering 1 or 2.

12. 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 27.

15. Gas Power Engineering.—Internal combustion engines; liquid and gaseous fuels and their combustion; gas producers. *I*; (3).
Professor RICHARDS, Mr. MCDEWELL

Prerequisite: Mechanical Engineering 12.

23. Mechanical Equipment of Buildings.—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). Assistant Professor WILLARD, Mr. HARRELL

Prerequisite: Senior standing.

25. Heating and Ventilation for Architects.—Direct and indirect steam and hot water heating; furnace heating; ventilation and air analysis; air condition; temperature and humidity control. *I*; (2).
Assistant Professor WILLARD, Mr. HARRELL

Prerequisite: Senior standing.

26. Heating and Ventilation.—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*; (3). Assistant Professor WILLARD, Mr. HARRELL

Prerequisite: Mechanical Engineering 65.

30. 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. *II*; (5). Mr. DENT, Mr. HARPER

Prerequisite: Theoretical and Applied Mechanics 27.

32. Power Transmission.—Shafting, belts, ropes, cables, water, air, gas, and steam as power transmitters; the measurement and storage of power. *II*; (3).

Professor RICHARDS, Mr. WATERFALL

Prerequisite: Mechanical Engineering 12 and 43.

33. Aeronautic Engineering.—The history and development of aeronautic science, with a critical analysis of the design and construction of air craft. *I*; (3).

Assistant Professor FALES

Prerequisite: Senior standing in the College of Engineering.

37. Principles of Management.—Industrial development; modern industrial tendencies; principles of organization; selection and compensation of labor; application of science to industrial problems; practical shop systems of management; production. *I*; (3). Director BENEDICT

Prerequisite: Mechanical Engineering 81, 82.

43. Engineering Design.—Machine design; investigation of machines similar to the one to be designed; machinery subjected to heavy and variable stresses; punches, shears, presses, riveters, and cranes. *I*; (5).

Professor LEUTWILER, Mr. WATERFALL, Mr. HARPER

Prerequisite: Theoretical and Applied Mechanics 29; Mechanical Engineering 30.

44. Engineering Design.—Special tools, fixtures, jigs, dies, and gauges used in modern high production manufacturing. *II*; (2).

Professor LEUTWILER, Director BENEDICT, Mr. WATERFALL

Prerequisite: Mechanical Engineering 37 and 43.

52. Power Plant Design.—Steam power plant. *II*; (3).

Professor LEUTWILER, Mr. WATERFALL, Mr. HARPER

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).

Mr. GODEKE, Mr. MCDEWELL, Mr. FRANK, Mr. HARRELL

Prerequisite: Mechanical Engineering 1 or 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).

Mr. GODEKE, Mr. MCDEWELL, Mr. FRANK, Mr. HARRELL

Prerequisite: Junior standing.

64. Power Measurement.—Apparatus for engine and boiler tests—scales, thermometers, 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).

Mr. GODEKE, Mr. MCDEWELL, Mr. FRANK, Mr. HARRELL

Prerequisite: Mechanical Engineering 2; registration in Mechanical Engineering 12 or Chemistry 31.

65. Power Laboratory.—Experiments on engines, turbines, gas engines, pumps, boilers, injectors, air compressors, hoisting appliances, heating apparatus, and the refrigerating machines. *I*; (3). Assistant Professor WILLARD, Mr. GODEKE, Mr. MCDEWELL, Mr. FRANK, Mr. HARRELL

Prerequisite: Mechanical Engineering 12 and 64.

66. Power Laboratory.—Special research work in the mechanical engineering laboratory. *II*; (2).

Prerequisite: Mechanical Engineering 65; senior standing.

71. Forge Work for Agricultural Students.—Forging and welding; tempering tools; pointing and hardening cultivator shovels, plow shares. *Six hours a week, either half of I or II;* (1). Mr. LANHAM, Mr. REBMAN

73. Wood Work 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).

Mr. GROSS, Mr. DUNCAN

75. Forge Work.—(9 weeks.) Hand and power forging and welding of metals; heat treatment of carbon and high speed steels in modern gas, electric, and cyanide furnaces; case carbonizing. *I* or *II*; (1). Mr. LANHAM, Mr. REBMAN

77. Foundry Work.—(9 weeks.) Modern foundry practise; bench, floor, and machine moulding; all branches of core making; operation of cupola and brass furnace; casting of iron, brass, and alloys. *I* or *II*; (2).

Mr. KENNEDY, Mr. HOGUE

79. Pattern Work.—(18 weeks.) Hand and machine methods in the production of useful patterns. *I* or *II*; (3). Mr. GROSS, Mr. DUNCAN

81. Machine Work.—Modern manufacturing methods; machine operation; shop management; organization; production methods; dispatching work; ordering, storing, and routing materials; time studies; shop accounting; inspection and all activities of the machine department of a manufacturing plant. *I*; (3).

Mr. RADEBAUGH, Mr. DETURK

82. Machine Work.—(Continuation of 81). *II*; (2).

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. *II*; (3).

99. Inspection Trip.—*I*; (*no credit*).

Prerequisite: Senior standing.

Courses for Graduates

Entrance upon graduate work in mechanical engineering presupposes the full undergraduate course in that subject.

106. Heat Motors.—The internal combustion motor; steam turbine. Principles and methods of refrigeration. *Twice a week; I;* (*1 unit*).

Professor GOODENOUGH

107. Thermodynamics.—Thermodynamics; their application to the solution of physical and engineering problems. *Twice a week; I;* (*1 unit*).

Professor GOODENOUGH

109. Machine Design.—Rational design; the application of mechanics of materials. Individual problems. *Twice a week; I or II;* (*1 unit*).

Professor LEUTWILER

112. Laboratory Investigation.—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*).

Professor RICHARDS and others

114. Dynamics of Machinery —Advanced problems. Balancing; whirling and vibration of shafts; theory of governors; fly wheels; force and mass reduction; stresses in rotating masses. *Twice a week; I, II;* (*1 unit*).

Professor GOODENOUGH

MECHANICS, THEORETICAL AND APPLIED

ARTHUR NEWELL TALBOT, C.E., D.Sc., *Professor, Municipal and Sanitary Engineering; in charge of Theoretical and Applied Mechanics*
HERBERT FISHER MOORE, M.M.E., *Professor*
MELVIN LORENIUS ENGER, C.E., *Assistant Professor*
VIRGIL R FLEMING, B.S., *Associate*
FRED B SEELY, M.S., *Associate*
GEORGE PAUL BOOMSLITER, M.S., *Associate*
NEWTON EDWARD ENSIGN, A.B., B.S., *Associate*
WILLIAM JAMES PUTNAM, B.S., *Instructor*
HAROLD MALCOLM WESTERGAARD, Ph.D., *Instructor*
FRANK E RICHART, M.S., *Instructor*
SOLOMON C HOLLISTER, B.S., *Instructor*

1. Analytical Mechanics.—Especially designed for graduates and advanced undergraduates in Arts and Sciences. *I;* (3). Mr. ENSIGN

Prerequisite: Mathematics 8 or 9.

2. Analytical Mechanics.—(A continuation of Theoretical and Applied Mechanics 1.) Lamb's *Dynamics*. *II;* (3). Mr. ENSIGN

Prerequisite: Theoretical and Applied Mechanics 1.

10. Hydraulics.—The pressure and flow of water; its utilization as motive power; observation and measurement of pressure, velocity, and flow; power and efficiency; determination of experimental coefficients. Laboratory weekly. *II*; (3).

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. BOOMSLITER, Mr. HOLLISTER

Prerequisite: Mathematics 2, 4.

15-16. Strength of Materials.—Graphical methods of determining the elastic curve of beams; centroids and moments of inertia of areas; reinforced concrete beams and columns; properties and tests of engineering materials. (For students in architecture and others without the prerequisites required for Theoretical and Applied Mechanics 29.) Laboratory every other week. *I, II*; (3).
Mr. BOOMSLITER

Prerequisite: Theoretical and Applied Mechanics 14.

20. Analytical Mechanics.—The mechanics of engineering rather than that of astronomy and physics. Fundamental concepts; equilibrium, centroids and center of gravity, friction; engineering problems; statement of conditions and use of data. *II*; (3). Mr. ENSIGN

Prerequisite: Mathematics 7; registration in Mathematics 9.

21. Analytical Mechanics.—Continuation of Theoretical and Applied Mechanics 20. Kinematics and kinetics. *I*; (2). Professor ENGER

Prerequisite: Mathematics 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). Professor ENGER

Prerequisite: Mathematics 9; Theoretical and Applied Mechanics 20.

26. Analytical Mechanics and Hydraulics.—Kinematics, kinetics, and hydraulics; problems; experiments in the hydraulic laboratory. (For students in architectural engineering, electrical engineering, and mining engineering.) Laboratory weekly during the last half of the semester. *II*; (4). Mr. SEELY

Prerequisite: Theoretical and Applied Mechanics 25.

29. Resistance of Materials.—The mechanics of materials; the properties and requirements for materials of construction; the effect of methods of manufacture upon the quality of the material; specifications and standard tests; experiments and investigations in the materials laboratory. (For students in civil engineering, mechanical engineering, and municipal and sanitary engineering.) Recitations; lectures; assigned reading. Laboratory weekly. *I*; (5).

Professor TALBOT

Prerequisite: Mathematics 9; Theoretical and Applied Mechanics 20; registration in Theoretical and Applied Mechanics 21.

36. Analytical Mechanics.—The portion of Theoretical and Applied Mechanics 26, which involves analytical mechanics. (Open only to railway electrical engineering students.) *II*; (2). Mr. PUTNAM

Prerequisite: Theoretical and Applied Mechanics 25.

Courses for Graduates

Entrance upon graduate work in theoretical and applied mechanics presupposes a full undergraduate course in that subject.

101. Analytical Mechanics.—Methods; problems and applications; critical and comparative study of texts. *Twice a week; I; (1 unit).*

Professor MOORE

102. Resistance of Materials.—Properties of materials used in engineering construction and the methods of determining these properties; analysis and investigation in mechanics of materials; the 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; (1 unit).* Professor TALBOT

104. Experimental Work in the Laboratory of Applied Mechanics.—Investigation on materials and on their action as used in machines and structures; experiments with pumps, motors, and measuring devices; investigation of the laws of hydraulics, the development of power, and the study of various hydraulic problems. *Twice a week; I, II; (½ to 2 units).* Professor MOORE

105. Experimental and Analytical Work in Reinforced Concrete.—Research; interpretation of available experimental results and their application to the design of structures; principles of construction. *Twice a week; I, II; (½ unit or more).*

Professor TALBOT

Summer Session Courses

S 10. Hydraulics.—(For description see Theoretical and Applied Mechanics 10 above.) (3). Mr. VALLANCE

Prerequisite: Theoretical and Applied Mechanics 21.

S 14. Elements of Mechanics.—(For description see Theoretical and Applied Mechanics 14 above.) (4). Mr. ENSIGN

Prerequisite: Mathematics 2, 4.

S 20. Analytical Mechanics.—The first half of analytical mechanics as given in Maurer's *Technical Mechanics*. (3). Mr. ENSIGN

Prerequisite: Mathematics 7; registration in Mathematics 9.

S 21. Analytical Mechanics.—The second half of analytical mechanics as given in Maurer's *Technical Mechanics*. (2). Mr. SEELY

Prerequisite: Mathematics 9; Theoretical and Applied Mechanics 20.

S 25. Resistance of Materials.—The mechanics and properties of materials used in construction; experiments in the testing laboratory; problems. Merriman's *Mechanics of Materials*. (4). Mr. SEELY, Mr. VALLANCE

Prerequisite: Mathematics 9; Theoretical and Applied Mechanics 20.

MEDICINE

(See under COLLEGE OF MEDICINE.)

METEOROLOGY

(See under GEOLOGY.)

MILITARY SCIENCE

ROBERT WALTER MEARNS, Major, U. S. Infantry, *Professor and Commandant*
CLEMENT AUGUSTUS TROTT, Captain, U. S. Infantry, *Assistant Professor*
WILLIAM JAMES DAVIS, Captain, 22nd U. S. Infantry, *Assistant Professor*
JOSEPH HOWARD BARNARD, Captain, 17th U. S. Cavalry, *Assistant Professor*
ROBERT ROSS WELSHIMER, Captain, C. A. C., *Assistant Professor*
FREDERICK WILLIAM POST, 1st Sergeant, U. S. A., retired, *Administrative Assistant*
WILLIAM OSCAR NELSON, *Assistant*
JOHN HOWARD POWERS, *Assistant*
WILLIAM FRANKLIN CAMPBELL, *Assistant*
JOHN TAYLOR LEWIS, *Assistant*
ROBERT HENRY ENGLE, *Assistant*
JOHN RODGER LINDSEY, *Assistant*
MANIERRE BARLOW WARE, *Assistant*
LYLE HENRY GIFT, *Assistant*
HARRY LEE HUSSON, *Assistant*
ABRAHAM REUEL KEAGY, *Assistant*

1. Drill Regulations.—Infantry Drill Regulations. For all freshman men. *II*; (1). Professor MEARNS

2a-2b-2c-2d. Military Drill.—*Infantry:* Infantry drill regulations; small-arm firing regulations; bayonet exercise; ceremonies. *Signal Company:* Flag; telegraph; wireless; heliograph. *Engineer Company:* Field engineering; map reading; entrenchments; bridge building. *Hospital Company:* U. S. Army Hospital Corps Drill Regulations. Freshman and sophomore years. Two drill periods a week. *I, II;* (1). Professor MEARNS

3a-3b. Advanced Theoretical Instruction.—For sophomore officers: Infantry drill regulations; small-arm firing regulations. For junior and seniors: Field Service Regulations. This course is obligatory for commissioned officers and sergeants, recommended to corporals, and open to others. *I, II*; (*no credit*). Professor MEARNS

MINERALOGY

(See GEOLOGY 5, 5a, 6, 7.)

MINING ENGINEERING

HARRY HARKNESS STOEK, B.S., E.M., *Professor*
ELMER ALLEN HOLBROOK, B.S., E.M., *Assistant Professor*
CLINTON MASON YOUNG, B.S., E.M., *Assistant Professor, Mining Research*
ALFRED COPELAND CALLEN, E.M., M.S., *Associate*

1. Earth and Rock Excavation.—Explosives; blasting; boring; tunneling; shaft-sinking; coal-cutting; timbering and prospecting. *I*; (3). Mr. CALLEN

Prerequisite: Chemistry 1a or 1b; Geology 13a and 13b.

3. Mining Principles.—Terminology; explosives; blasting; drilling; tunneling; shaft-sinking; mining and timbering of flat deposits. (For students in engineering courses other than mining.) *I*; (2). Mr. CALLEN

Prerequisite: Chemistry 1a or 1b.

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). Professor STOEK, Mr. CALLEN

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. *II*; (2). Mr. CALLEN

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. *II*; (3). Professor STOEK, Assistant Professor HOLBROOK

Prerequisite: Mining 3 or 4 or senior standing and 10 hours of geology.

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 HOLBROOK

Prerequisite: Chemistry 5; Physics 3a-3b.

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). Assistant Professor HOLBROOK

Prerequisite: Senior standing.

15. Principles of Mine Ventilation.—Mine ventilation, signaling, and lighting. *I*; (1). Mr. CALLEN

Prerequisite: Physics 3a-3b; Mining 3 or 4.

17. Problems.—Problems, library research, and reports on mining and metallurgical subjects. *I*; (1). Professor STOEK

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 HOLBROOK

Prerequisite: Chemistry 5; Geology 13a and 13b or equivalent.

21. 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 3 or 4, or registration in Mining 3; Geology 13a and 13b, 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 HOLBROOK

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 HOLBROOK

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. *I*; (3). Assistant Professor HOLBROOK

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 HOLBROOK

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 HOLBROOK

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 HOLBROOK

Prerequisite: Mining 45.

62. Mine Surveying.—Instruments employed underground and in connecting surface and underground surveys; platting and use of mine maps; mineral land surveying; solar attachments; determination of the meridian. (A surveying trip is made to neighboring mines, of which the estimated cost is $10.00.) *II*; (3).

Mr. CALLEN

Prerequisite: Civil Engineering 35.

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 HOLBROOK

Prerequisite: Mining 9.

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 HOLBROOK

Prerequisite: Mining 19.

68. Mine Topography.—Stadia; application of topographic and railroad surveying to mining conditions. *II*; (1). Mr. CALLEN

Prerequisite: Civil Engineering 27.

90. Mining and Metallurgical Reports.—Review of mining and metallurgical literature; reports; technical writing. *II*; (1). Professor STOEK

Prerequisite: Mining 1 and 4 or Chemistry 7 and 7a.

98. Thesis.—Individual investigation of a special mining subject; preparation of thesis giving review of the literature, the results of experimental work, and a general discussion of the subject. *II*; (3).

(Hours arranged when thesis is permitted, in accordance with regulations of the College of Engineering.)

99. Inspection Trip.—*I*; (*no credit*).

Prerequisite: Senior standing.

Courses for Graduates

Entrance upon graduate work in mining engineering presupposes a full undergraduate course in that subject.

100. Seminar—*Once a week; I, 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, 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, II;* (*1 unit*).
Assistant Professor HOLBROOK

103. The History of Miners' Organizations.—The effect of organizations upon the development of mining practise. *Twice a week; I, II;* (*1 unit*).
Professor STOEK

104. Mining Reports.—The law of the apex; classification of coal and ore lands; conservation of mineral resources; mine examinations and reports. *Twice a week; I, II;* (*1 unit*). Professor STOEK, Assistant Professor HOLBROOK

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, II;* (*1 unit*). Professor STOEK

MODERN LANGUAGES

(See ENGLISH LANGUAGE AND LITERATURE, GERMANIC LANGUAGES AND LITERATURE, and ROMANCE LANGUAGES AND LITERATURE.)

MUNICIPAL AND SANITARY ENGINEERING

ARTHUR NEWELL TALBOT, C.E., D.Sc., *Professor*
MELVIN LORENIUS ENGER, B.S., C.E., *Assistant Professor, Mechanics and Hydraulics*
HAROLD EATON BABBITT, B.S., *Instructor*

2. 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).
Professor ENGER, Mr. BABBITT

Prerequisite: Theoretical and Applied Mechanics 29, 10; Chemistry 1; Mechanical Engineering 1 or 2.

3. Sewerage.—Design and construction of sewerage systems; sanitary necessity of sewerage; separate and combined water carriage systems; surveys, and general plans; hydraulics of sewers; house sewage and its removal; relation of rainfall to storm water flow; determination of size and capacity of sewers; forms and strength of sewer appurtenances; modern methods of sewage disposal; estimates and specifications. Designing weekly. *II*; (3). Mr. BABBITT

Prerequisite: Theoretical and Applied Mechanics 29, 10; Chemistry 1; Municipal and Sanitary Engineering 2.

6a-6b. Water Purification, Sewage Disposal, and General Sanitation.—Impurities in water supplies and methods and processes of their removal; sewage disposal by filtration, chemical precipitation, irrigation; representative purification plants; garbage collection and disposal; sanitary restrictions and regulations and general sanitation. Lectures; seminar work; drafting. *I*; (3): *II*; (2).
Professor TALBOT, Mr. BABBITT

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). Professor ENGER

Prerequisite: Municipal and Sanitary Engineering 2.

98. Thesis.—Investigation or design of an engineering problem. *II*; (2).
Professor TALBOT, Mr. BABBITT

99. Inspection Trip.—*I*; (*no credit*).

Prerequisite: Senior standing.

Courses for Graduates

Entrance upon graduate work in municipal and sanitary engineering presupposes a full undergraduate course in that subject.

102. Water Supply Engineering.—Water supply; general water-works construction; pumps and pumping; design of reservoirs and elevated tanks; water-works operation and the valuation of plants. *One to three times a week; I or II;* (*1 unit*). Professor TALBOT

103. Sewerage.—Design and construction; systems; hydraulics of sewers; a study of run-off. *Once or twice a week; II;* (*1 unit*). Professor TALBOT

106. Water Purification, Sewage Disposal, and General Sanitation.—The design, construction, and operation of water purification plants and of sewage disposal works; the study of existing plants; comparison of results and cost of construction and operation; experimental work on water filters and septic tanks; garbage disposal; general sanitation. *Once a week; II;* (*½ unit*).
Professor TALBOT

MUSIC

JOHN LAWRENCE ERB, F.A.G.O., *Director, University Organist*
GEORGE FOSS SCHWARTZ, A.M., B.Mus., *Assistant Professor, Theory and History of Music*
HENRI JACOBUS VAN DEN BERG, *Instructor, Piano*
ALBERT AUSTIN HARDING, *Instructor, Wind Instruments, Director of the Band*
EDNA ALMEDA TREAT, B.Mus., *Instructor, Piano*
EDSON WILFRED MORPHY, *Instructor, Violin*
HEBER DIGNAM NASMYTH, *Instructor, Voice*
FRANK TATHAM JOHNSON, *Instructor, Voice*
MABEL GENEVIEVE WRIGHT, A.B., B.Mus., *Instructor, Piano*
OLGA EDITH LEAMAN, *Instructor, Voice*
EDWARD EARLE SWINNEY, A.B., *Instructor, Public School Music*
CORA E WALLACE, *Instructor, Piano, Summer Session*

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). Director ERB
Prerequisite: Music 7-8.

11-12. Acoustics.—*I, II*; (1). Director ERB
Prerequisite: Music 3 to 8 inclusive.

13-14. Constructive Listening (Musical Appreciation).—*I, II*; (1).
Director ERB

Public School Music

21a-21b. Ear Training, First Year.—Two hours a week; required of all music students. *I, II*; (*no credit*). Mr. SWINNEY

22a-22b. Ear Training, Second Year.—Two hours a week, required of students in the curriculum in Music in the sophomore year. *I, II*; (1).
Mr. SWINNEY

23a-23b. Sight Singing, First Year.—Two hours a week; required of students in the curriculum in Music in the sophomore year. *I, II*; (*no credit*).
Mr. SWINNEY

24a-24b. Sight Singing, Second Year.—Two hours a week; required of students in the curriculum in Music in the junior year. *I, II*; (1).
Mr. SWINNEY

25a-25b. Methods of Teaching.—Elements of theory, eye and ear training, the limitations of the child-voice, selection of material, pedagogical presentations, appreciation work for the high school. (Primarily for students preparing to teach music in the public schools.) *I, II*; (4). Mr. SWINNEY

27a-27b. Ensemble.—*I, II*; (1).

28a-28b. Sight Singing, Elementary.—Two hours a week for beginners. *I, II*; (*no credit.*) Mr. SWINNEY

Piano

Mr. VAN DEN BERG, Miss TREAT, Miss WRIGHT

NOTE: A student enrolled in piano is required to take either choral or orchestra; a student absent from choral or orchestra more than three times without an excuse acceptable to the Director of the School of Music receives a failure in his course in piano.

41a-41b. Preparatory Course in Piano, First Year.—*I, II*; (***no collegiate credit***).

41c-41d. Preparatory Course in Piano, Second Year.—*I, II*; (***no collegiate credit***).

41e-41f. Preparatory Course in Piano, Third Year.—*I, II*; (***no collegiate credit***).

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. Piano, Two Years.—The first two years' work in piano taken as a minor by students majoring in voice or violin. *I, II*; (2).

47a-47b. Piano.—For students from other departments of the university. *I, II*; (***no credit,*** except in the College of Liberal Arts and Sciences under certain conditions).[1]

Voice

Mr. NASMYTH, Mr. JOHNSON, Miss LEAMAN

NOTE: A student enrolled in voice is required to take either choral or orchestra; a student absent from choral or orchestra more than three times, in the course of a semester, without an excuse acceptable to the Director of the School of Music receives a failure in his course in voice.

51a-51b. Preparatory Course in Voice, First Year.—*I, II*; (***no collegiate credit***).

51c-51d. Preparatory Course in Voice, Second Year.—*I, II*; (***no collegiate credit***).

51e-51f. Preparatory Course in Voice, Third Year.—*I, II*; (***no collegiate credit***).

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. Voice, Two Years.—The first two years' work in voice taken as a minor by students majoring in piano or violin. *I, II*; (2).

57a-57b. Voice.—For students from other departments of the University. *I, II*; (***no credit,*** except in the College of Liberal Arts and Sciences under certain conditions).[1]

[1]See page 120.

Violin

Mr. Morphy, Mr. Schwartz.

Note: A student enrolled in violin is required to take either choral or orchestra; a student absent from choral or orchestra more than three times, in the course of a semester, without an excuse acceptable to the Director of the School of Music receives a failure in his course in violin.

61a-61b. Preparatory Course in Violin, First Year.—*I, II*; (*no collegiate credit*).

61c-61d. Preparatory Course in Violin, Second Year.—*I, II*; (*no collegiate credit*).

61e-61f. Preparatory Course in Violin, Third Year.—*I, II*; (*no collegiate credit*).

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. Violin, Two Years.—The first two years' work in violin taken as a minor by students majoring in piano or voice. *I, II*; (2).

67a-67b. Violin.—For students from other departments of the University. *I, II*; (*no credit*, except in the College of Liberal Arts and Sciences under certain conditions).[1]

Violoncello

Mr. Schwartz

Note: A student enrolled in violoncello is required to take either choral or orchestra; a student absent from choral or orchestra more than three times, in the course of a semester, without an excuse acceptable to the Director of the School of Music receives a failure in his course in violoncello.

71a-71b. Preparatory Course in Violoncello, First Year.—*I, II*; (*no collegiate credit*).

71c-71d. Preparatory Course in Violoncello, Second Year.—*I, II*; (*no collegiate credit*).

71e-71f. Preparatory Course in Violoncello, Third Year.—*I, II*; (*no collegiate credit*).

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. Violoncello, Two Years.—The first two years' work in violoncello taken as a minor by students majoring in piano, voice, or violin. *I, II*; (2).

77a-77b. Violoncello.—For students from other departments of the University. *I, II*; (*no credit*, except in the College of Liberal Arts and Sciences under certain conditions).[1]

[1]See page 120.

Organ

Director ERB, Miss TREAT

NOTE: A student enrolled in organ is required to take either choral or orchestra; a student absent from choral or orchestra more than three times, in the course of a semester, without an excuse acceptable to the Director of the School of Music receives a failure in his course in organ.

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. Organ, Two Years.—First two years' work in organ taken as a minor by students majoring in piano, voice, or violin. *I, II*; (2).

Band, Orchestra, and Ensemble Work

92a-92b. Band Instruments.—*I, II*; (*no credit*). A student enrolled in this course is required to take either choral or orchestra, and if absent from choral or orchestra more than three times, in the course of a semester, without an excuse acceptable to the Director of the School of Music receives a failure in the course. HARDING

94a-94b. Recital Course in Practical Music.—(For seniors in Music 45a-45b, 55a-55b, 65a-65b, 88-89.) *I, II*; (1).

96a-96b. Band Instrumentation.—*I, II*; (*no credit*). HARDING

97a-97b. Band Arranging.—*I, II*; (*no credit*). HARDING

98a-98b. Band Conducting.—*I, II*; (*no credit*). HARDING

Summer Session Courses

S 1. Musical History.—Biography, including critical discussions of important compositions, and the investigation of national tendencies in modern music. Collateral reference work and note books are required. (2). Director ERB

S 2. Advanced Harmony.—The Septchords; harmonization with three clefs on four staffs; sequences; key relations and simple diatonic modulations; harmonic analysis; keyboard work. (2). Director ERB

S 3. Harmony.—Summary and drill in scales and keys, intervals, triad construction and connection; derivation and figured bass from given melody, harmonization in two clefs. (2). Miss WALLACE

S 4. Sight Singing, Advanced Course.—Drill in one, two, three, and four part reading; suitable exercises for breath control, enunciation and phrasing. (1). Miss WALLACE

S 5. Sight Singing, Elementary Course.—Music notation; scale structure; ear and eye training; solfeggio. (*No credit.*) Miss WALLACE

PALEONTOLOGY

(See GEOLOGY 1a, 16, 18, 19, 20, 21.)

PHILOLOGY

(See Classics, Comparative Philology, English Language and Literature, Germanic Languages and Literature, and Romance Languages and Literature.)

PHILOSOPHY

(See also Psychology and Education.)

Arthur Hill Daniels, Ph.D., *Professor*
Boyd Henry Bode, Ph.D., *Professor*
Queen Lois Shepherd, Ph.D., *Instructor*
Carl Herman Haessler, A.B., *Assistant*

Major: Twenty 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.

Minors: Twenty hours in (a) psychology (at least six additional hours, if psychology is counted toward a major), and one other subject in the following list; or (b) any two subjects in the same group in the following list: (A) economics, history, political science, education, sociology; (B) English, French, German, Greek, Latin; (C) botany, chemistry, 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). Professor Bode, Dr. Shepherd, Mr. Haessler

Prerequisite: One year of university work.

2. **Introduction to Philosophy.**—Philosophic problems in their relation to the doctrine of evolution and in their bearing on conduct and religion. *II*; (3). Professor Bode, Dr. Shepherd

Prerequisite: Two years of university work.

9. **Political and Social Ethics.**—Moral principles applied to political and social relations. *I*; (3). Professor Daniels, Mr. Haessler

Prerequisite: Two years of university work.

Courses for Advanced Undergraduates and Graduates

3. **History of Ancient and Medieval Philosophy.**—*I*; (3). Professor Daniels

Prerequisite: Three hours in philosophy; junior standing.

4. **History of Modern Philosophy.**—From the Renaissance to the present time. *II*; (3). Dr. Shepherd

Prerequisite: Three hours in philosophy; junior standing.

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.

11. Philosophy of Religion.—The philosophical interpretation of religious consciousness. Topics: God, revelation, inspiration, dogma, prayer, faith, immortality, the problem of evil; the relation of morality and religion. *II*; (2).
Professor DANIELS

Prerequisite: Senior or graduate standing; six hours in psychology or philosophy, or in both.

15. British Philosophers of the Eighteenth Century.—Locke, Berkeley, and Hume. *I*; (3). Professor BODE

Prerequisite: Philosophy 2 or 3 or 4.

16. Philosophy of Pragmatism.—*II*; (3). Professor BODE

Prerequisite: Philosophy 15.

18. Philosophers of the Nineteenth Century.—Philosophical tendencies in materialism, naturalism, idealism, and pragmatism. *I*; (3). Dr. SHEPHERD

Prerequisite: Philosophy 2 or 3 or 4.

19. Rationalism and Religion in the Eighteenth and Nineteenth Centuries.—*I*; (3). Dr. SHEPHERD

Prerequisite: Philosophy 2 or 3 or 4; junior standing.

Courses for Graduates

Students entering upon graduate work in philosophy must have had a thoro course in the history of philosophy, a course in logic, and a general course in psychology.

103. Seminar in Ethics.—British ethics from Hobbes to Sidgwick. *Twice a week; I, II; (1 unit).* Professor DANIELS

107a-107b-107c. History of Philosophy.—a: Plato and Aristotle. *Twice a week; (1 unit).* b: Descartes, Spinoza, and Leibnitz. *Twice a week; (1 unit).* c: Kant and Schopenhauer. *Twice a week; (1 unit); I, II.* The subject for 1916-17 is 107a. Professor DANIELS

108a-108b-108c. Seminar in Contemporary Philosophy.—a: Idealism. b: Realism and pragmatism. c: The philosophy of Bergson. *Twice a week; (1 unit). I, II.* The subject for 1916-17 is 108b. Professor BODE

PHOTOGRAPHY

ARTHUR GRENVILLE ELDREDGE, *Instructor*

1-2. The Principles and Practise of Photography.—(For advanced students who use photography in connection with their special subjects.) Lenses; cameras; plates and films; exposure; development; printing; copying; positives; landscape, architectural, and scientific photography; speed work; color photography. Lectures and demonstrations; each student is required to produce a stated amount of work covering the processes treated. *I, II; (one hour a week, no credit).*
Mr. ELDREDGE

Prerequisite: Junior standing and the consent of the instructor.

PHYSICAL TRAINING FOR MEN

GEORGE A HUFF, *Director*
HARRY LOVERING GILL, *Associate, Track*
RALPH JONES, *Associate, Basket Ball*
ROBERT CARL ZUPPKE, Ph.B., *Associate, Foot Ball*
ROY NEWTON FARGO, B.S., *Director of the Men's Gymnasium*

EDWARD JOHN MANLEY, *Instructor, Swimming*
WALTER ROOKE EVANS, *Instructor, Wrestling and Boxing*
SAMUEL E BILIK, *Assistant*
ALVIN ROMEISER, *Assistant, in Charge of Fencing*
OLAF HAROLD GLIMSTEDT, *Assistant, Summer Session*
O C MAUTHE, *Assistant, Summer Session*

1-2. Gymnasium Practise.—Two hours' gymnasium drill each week. (Required of freshmen. First semester given in conjunction with 1a below.) *I*; (½). *II*; (1). Mr. FARGO

1a. Personal Hygiene.—Six lectures by the Dean of Men. Required in conjunction with Physical Training 1. *I; (First six weeks)*. Dean CLARK

3. Elementary and Intermediate Gymnastics on Heavy Apparatus.—Preparation of men for teaching physical training. Three exercises a week. *I*; (1).

Prerequisite: Physical Training 1-2 and the consent of the instructor.

4. Advanced Physical Training.—(Continuation of course 3.) Three exercises a week, *II*; (1).

Prerequisite: Physical Training 3 and the consent of the instructor.

Summer Session Courses

ATHLETIC COACHING

NOTE: Summer courses in physical training for men continue through only six weeks. Not more than five credit-hours in physical training may be counted for graduation in any of the colleges of the University.

S 10. Baseball.—Batting; base running; fielding each position; team work and coaching; rules; physical condition; indoor practise. Lectures; practical work. (1½). Director HUFF

S 11. Track and Field Athletics.—Starting, sprinting, distance running, hurdling, high and broad jumping, pole vaulting, shot putting, hammer throw, and discus; preparing contestants; individual peculiarities; rules; physical condition, endurance, speed, fatigue, and means of training; promotion, management, and officiating of games and meets. Lectures; practical work. (1½). Mr. GILL

S 12. Basketball.—Coaching; passing; goal throwing; dribbling; team play; condition; styles of play used by leading coaches. Lectures; practical work. (1½). Mr. JONES

S 13. Football.—*Theoretical:* Rules from the standpoint of coach, players, and officials; offense and defense; generalship and strategy. *Practical:* Training, conditioning, and players' equipment; punting, drop kicking, place kicking, kick off, forward passing; tackling dummy and charging sled; special drills for linemen, ends, and backs; following the ball, interference, team work; fundamental plays, freak plays, signal systems. Lectures; practical work. (1½). Mr. ZUPPKE

S 14. 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 S 10, S 11, S 12, or S 13. (½). Mr. GLIMSTEDT

Gymnastics

S 15. Calisthenics.—Typical lessons for corrective and responsive work given. Simple drills with wands, dumb-bells, and bar-bells. (⅓). Mr. FARGO

S 16. Elementary Swedish Gymnastics.—Simple floor work and elementary exercises on apparatus. (⅓). Mr. FARGO

S 17. **Elementary Gymnastics; Heavy Apparatus.**—Elementary exercises on heavy apparatus, mats, horse, horizontal bar, rings, and parallel bars. (½).
Mr. FARGO

S 18. **Intermediate Heavy Gymnastics.**—More advanced work along the same lines as Course S 17. (½). Mr. FARGO

S 19. **Advanced Gymnastics; Heavy Apparatus.**—Advanced exercises on heavy apparatus. (½). Mr. FARGO

S 20. **Advanced Gymnastics with Light Apparatus.**—Advanced exercises with light apparatus; wands, dumb-bells, single sticks, bar-bells, and Indian clubs. (½).
Mr. MAUTHE

S 21. **Gymnastic Dancing for Men.**—Elements of steps, simple steps, and series of dancing steps to be given to classes in single file, pairs, and in open order. (½). Mr. MAUTHE

S 22. **Advanced Gymnastic Dancing.**—(½). Mr. MAUTHE

S 23. **School Room Gymnastics.**—Gymnastic games, exercises, and simple folk dances for all grades. (½). Mr. MAUTHE

PHYSICAL TRAINING FOR WOMEN

LOUISE FREER, A.B., B.S., *Director*
VERNA BROOKS, A.B., *Instructor*
NELLIE EILEEN BUSSELL, A.B., *Instructor*
ANNA LUE HUGHITT, *Instructor*
CAROLINE RUTH MORRIS, A.B., *Assistant*
ROSA-LEE GAUT, B.Mus., *Assistant*
EUNICE BADGER, *Student Assistant*

7a-7b. Practise.—Class work; light gymnastics; gymnastic dancing; games; personal hygiene; corrective work. (Required of freshmen.) *I, II*; (1).
Miss FREER, Miss BROOKS, Miss HUGHITT, Miss MORRIS, Miss BUSSELL

8a-8b. Practise.—(Continuation of 7a-7b. Second year, elective.) *I, II*; (1).
Miss BROOKS, Miss HUGHITT, Miss MORRIS, Miss BUSSELL

Prerequisite: Physical Training 7a-7b.

9. Hygiene.—(Required of freshmen.) *I*; (1). Dean GATES

10a-10b. Teachers' Course.—(Third year.) Theory and practise; practise teaching in the gymnasium and in public schools. Lectures and outside reading. *Two hours a week. I, II*; (1). Miss BUSSELL

Prerequisite: One year of gymnasium work, and psychology, or education; registration in Physical Training 7 or 8.

11a-11b. Teachers' Course.—(Fourth year.) Massage, theory and practise; emergencies (including bandaging); anthropometry, practise work in measurements for physical examinations. *I, II*. Miss HUGHITT

Prerequisite: Physical Training 10.

12a-12b. Aesthetic and Interpretative Dancing.—Exercises in technics. *I, II*.
Miss BROOKS

Prerequisite: Physical Training 7a-7b.

13a-13b. Advanced Aesthetic and Interpretative Dancing.—Technics; pantomime. *I, II*. Miss HUGHITT

Prerequisite: 8a-8b, 12a-12b.

Summer Session Courses

S 1. Teaching of Play, Games and Folk Dances in the Grades and High School.—Theory and practise. Lectures. Miss BROOKS

S 2. Swimming. Miss BROOKS

PHYSICS

ALBERT PRUDEN CARMAN, D.Sc., *Professor*
CHARLES TOBIAS KNIPP, Ph.D., *Associate Professor*
FLOYD ROWE WATSON, Ph.D., *Associate Professor*
JAKOB KUNZ, Ph.D., *Associate Professor, Mathematical Physics*
WILLIAM FREDERICK SCHULZ, Ph.D., *Assistant Professor*
ELMER HOWARD WILLIAMS, Ph.D., *Associate*
WILLIAM HENRY HYSLOP, A.M., *Assistant*
EARLE HORACE WARNER, A.M., *Assistant*
PAUL LEVERN BAYLEY, A.M., *Assistant*
CHARLES FRANCIS HILL, A.M., *Assistant*
WALTER ANDREW SHEWHART, A.M., *Assistant*
CHARLES STEVER FAZEL, A.M., *Assistant*
HARRY TYLER BOOTH, M.S., *Assistant*
CARL ELI PIKE, B.S., *Assistant*
ROY ANDREW NELSON, B.S., *Assistant*
LAURENCE ELMER VOORHEES, A.B., *Assistant*

Major: Twenty hours from any courses offered by the department.

Minor: Twenty hours in astronomy, mathematics, chemistry, and mineralogy.

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 (Math. 4) and Chemistry.
Sophomore year: Physics 1a-1b, 3a-3b, or Physics 7a-7b, 8a-8b.
Junior year: Physics 15, 16, 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).
Professor CARMAN, Assistant Professor SCHULZ, Mr. HYSLOP, Mr. WARNER, Mr. BAYLEY, Mr. FAZEL, Mr. BOOTH.

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. HYSLOP, Mr. WARNER, Mr. BAYLEY, Mr. FAZEL, Mr. BOOTH.

Prerequisite: Physics 1a-1b, or registration therein.

7a-7b. General Physics.—Lectures; class-room demonstrations; recitations. (For students in arts and science.) *I, II*; (2½).
Associate Professor WATSON, Dr. WILLIAMS, Mr. SHEWHART, Mr. PIKE, Mr. NELSON

Prerequisite: Mathematics 4, or registration therein; registration in Physics 8a-8b.

8a-8b. Introductory Laboratory Physics.—Physical measurements. *I, II*; (2½). Dr. WILLIAMS, Mr. SHEWHART, Mr. PIKE

Prerequisite: Registration in Physics 7a-7b.

9a-9b. General Physics.—Lectures; class-room demonstrations; recitations. (For students in architecture.) *I, II*; (2).
Associate Professor WATSON, Dr. WILLIAMS, Mr. SHEWHART, Mr. PIKE, Mr. NELSON

Prerequisite: Mathematics 4; registration in Physics 10a-10b.

10a-10b. Introductory Laboratory Physics.—Physical measurements. *I, II*; (2). Dr. WILLIAMS, Mr. SHEWHART, Mr. PIKE

Prerequisite: Registration in Physics 9a-9b.

Intermediate Courses

15. Electricity and Magnetism.—Recommended to 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. Brooks and Poyser: *Electricity and Magnetism. I;* (3).

Associate Professor KNIPP

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

16. Heat.—Fundamental heat phenomena, the mechanical theory of heat and elementary thermodynamics. Laboratory experiments in thermometry, calorimetry, vapor pressure, expansion of bodies, transmission of heat, and mechanical equivalent. *I*; (3). Associate Professor WATSON, Mr. NELSON

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

17. Light.—Reflection, refraction, interference, diffraction, and polarization; the theory and use of optical instruments; lectures and laboratory. For students in general physics, but also adapted to those who wish to learn the use of the refractometer, telescope, microscope, polarising microscope, polarimeter, saccharimeter, spectrometer and interferometer. Houstoun: *Treatise on Practical Light. II;* (3). Assistant Professor SCHULZ

[**18. Teachers' Course.**—Discussion of text-books, reference books, laboratory manuals, apparatus ordering, and methods of conducting work in physics. Manipulative work with glass and apparatus. Discussion of selected topics in advanced general physics. *II*; (3). Not given, 1916-17.

Prerequisite: A course in general physics, or experience in teaching.]

[**23. Sound.**—The phenomena of sound, its origin, propagation, velocity, interference, and diffraction; the vibrations of strings and organ pipes and the physical theory of music and speech. Lectures, recitations, laboratory. *II*; (3). Not given, 1916-17.

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.]

24. Properties of Matter.—Weight, mass, gravitation, elasticity, viscosity, surface tension, and diffusion. Lectures; recitations; laboratory measurements, including the use of the dividing engine, chronograph, etc. Poynting and Thomson: *Properties of Matter;* Watson: *Text-book of Practical Physics. II;* (3).

Dr. WILLIAMS

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

Courses for Undergraduates and Graduates

4a-4b. Electrical and Magnetic Measurements.—Exact electrical and magnetic measurements with accompanying theory. First semester: the more refined and special methods of measuring very high and very low resistances; galvanometers both aperiodic and ballistic; the measurement of electric currents and quantity; the comparison of capacities. A special section is reserved for students of chemistry, including a course of experiments on the measurement of electrolytic resistance, the use of the Dolezalek electrometer, of thermo-couples, and of platinum resistance thermometers for measuring temperatures; the determination of the dielectric constants of solids and liquids; and special uses of the potentiometer. Second semester: the absolute determination of capacity; the determination of the

damping factor of a ballistic galvanometer; circuits containing resistance and self-induction; classical methods for the measurement of self and mutual induction; the magnetic properties of iron; plotting of curves and determination of hysteresis losses. Work with various types of potentiometers. *I, II*; (2).

Associate Professor KNIPP, Mr. HILL, Mr. VOORHEES

Prerequisite: Physics 1a-1b, 3a-3b, or 7a-7b, 8a-8b; Mathematics 7, 9.

14a. Introduction to Theoretical Physics.—Dynamics. First course in theoretical physics, intended to put in systematic form the fundamental facts and concepts of motion, mass, and force, with problems from pure and applied physics. For the student of general science as well as for students of physics and mathematics. Recitations; problems; lectures. Jean: *Theoretical Mechanics. 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 8, or 7 and 9.

22. Light-Photometry.—The scientific principles and methods of photometry; comparison of light sources with standards; determination of reflective power and transmission coefficients; spectrophotometry. Lectures; recitations; laboratory. *I*; (2–5).[1] Assistant Professor SCHULZ

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b.

25. Heat.—Advanced laboratory work in heat; the theory and methods of measurement of temperatures by thermocouples, resistance thermometers, and optical pyrometers. *II*; (3). Associate Professor WATSON, Mr. NELSON

Prerequisite: Physics 1a-1b, 3a-3b; or 7a-7b, 8a-8b; Physics 16 advised.

26. Architectural Acoustics.—Acoustics of auditoriums; the common acoustical defects and their cures; the transmission of sound through materials; acoustical properties of building materials. Lectures; problems. (For eight weeks only.) *II*; (1). Associate Professor WATSON

Prerequisite: Physics 1a-1b, 3a-3b; or 9a-9b, 10a-10b.

30. Introduction to Theoretical Electricity.—Electrical and magnetic phenomena discussed with calculus methods. Magnetism, electrostatics, electrolysis, thermo-electricity, electromagnetics, varying currents, alternating currents, units, electromagnetic radiation, conduction through gases, radio-activity and electrons. (For advanced students in physics, chemistry, mathematics, and engineering.) Lectures; recitations; demonstrations. Starling: *Electricity and Magnetism. II;* (3). Associate Professor KNIPP

31a-31b. Special Problems in Advanced Physical Measurements.—*I, II*; (2 or 3).[1] Professor CARMAN, Associate Professors KNIPP and WATSON, Assistant Professor SCHULZ, Dr. WILLIAMS.

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,

[1] In 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*.

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.

[**121. Recent Advances in Physics and the Electron Theory.**—A series of lectures of a non-mathematical character describing the more recent discoveries in physics. The molecular and atomic structure of matter; the universal occurence of electrons; determination of the e/m and v of the electron and of the ion; determination of the elementary charge of the electron by means of the fog method, by Brownian movement, by radio-activity. *Three times a week; II;* (*½ unit*). Not given, 1916-17. Associate Professor KNIPP, Associate Professor KUNZ]

123. Sound.—Wave motion; forced vibrations; the velocity and energy relations of sound waves; resonance; vibrations of strings and organ pipes. *Three times a week; II;* (*1 unit*). Associate Professor WATSON

124. Conduction of Electricity Through Gases.—The classical experiments relating to 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*). Associate 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. Electron Theory.—(Mathematical part, Seminar.) Theory of radiation of the black body; entropy and probability; the energy quantum and its applications in the theory of the specific heat; the photoelectric and related effects. Topics are selected in advance. *Once in two weeks; I;* (*1 unit*). Associate Professor KUNZ

127b. Electron Theory.—(Physical part, Seminar.) The method of physical intuition is used, avoiding deeper mathematical analysis. The Zeeman and corresponding electric phenomena; electro and magneto-optics; emission and absorption spectra; dispersion; photoelectricity; phosphorescence; chemical action of light and electrons; electron theory of metals and of magnetism; constitution of the atom. Of special interest to students in chemistry and general science. *Twice a week; II;* (*1 unit*). Associate Professor KUNZ, Assistant Professor SCHULZ

131. Investigation of Special Problems.—Advanced laboratory or design and calculation. A problem worked out with the advice and direction of the instructor. *Two or four times a week; I, II;* (*1 to 2 units*). Professor CARMAN, Associate Professors KNIPP, WATSON, KUNZ, Assistant Professor SCHULZ, Dr. WILLIAMS

132. Mathematical Physics.—Special phases in theoretical physics.

[(a). **Dynamics.** Newton's equations, general methods of integration, potential-theory, potential of the ellipsoid, application to celestial mechanics, the principles of least constraint, of virtual work of D'Alembert, of Hamilton; special problems of hydrodynamics and of electricity. *Three times a week; I, II;* (*2 units*). Not given, 1916-17. Associate Professor KUNZ]

(b). **Electrodynamics.**—The potential theory applied to electrical and magnetic polarization; spherical harmonics; images and inversion; conjugate functions; elliptic coordinates and integrals; magnetic actions of currents; determination of coefficients of capacity; self and mutual induction; absolute measurements; Maxwell's theory with some applications in optics. Lectures; collateral reading. *Four times a week; I, II;* (*2 units*). Associate Professor KUNZ

[(c). **Thermodynamics and Kinetic Theory of Matter.**—The two fundamental principles developed and applied to various physical and chemical phenomena, the theory of chemical equilibrium; the Nernst theorem; the direct method of Carnot's cycle together with the method of the thermodynamic potentials and the derived functions; Maxwell's theory of the distribution of velocities in a gas; Boltzman's H theory; the theory of radiation; Planck's theory of quanta. *I, II;* (*1 to 2 units*). Not given, 1916-17. Associate Professor KUNZ]

(d). **Elasticity and Hydrodynamics.**—Problems of elasticity and hydrodynamics of technical interest. Advanced mathematics, but not advanced dynamics, is required. The current literature of physical and technical journals is used. *Twice a week; I;* (*1 unit*). Associate Professor KUNZ

133. Seminar.—*Three or five times a week; I, II;* (*1 to 3 units*).
Professor CARMAN, Associate Professors KNIPP, WATSON, KUNZ, Assistant Professor SCHULZ, and Dr. WILLIAMS

Summer Session Courses

S 7I. General Physics, Part I.—Mechanics; motion; forces and their effects; equilibrium. Kimball's *College Physics.* (1½).
Assistant Professor KNIPP, Mr. BAYLEY

Prerequisite: Plane geometry and high-school algebra; registration in Physics S 8I. Plane trigonometry desired.

S 8I. Introductory Laboratory Physics, Part I.—Physical measurements on mechanics, properties of matter. Laboratory to accompany S 7I. Schulz's *Laboratory Manual.* (1½). Mr. BAYLEY

Prerequisite: Registration in Physics S 7I.

[**S 7II. General Physics, Part II.**—Electricity and magnetism. Kimball's *College Physics.* (1½). Not given, 1916.

Prerequisite: See S 7I.]

[**S 8II. Introductory Laboratory Physics, Part II.**—Laboratory to accompany S 7II. (1½.) Not given, 1916.

Prerequisite: Registration in S 7II.]

S 7III. General Physics, Part III.—Heat, light; sound. Lectures; demonstrations; recitations. Text: Kimball's *College Physics.* (1½).
Associate Professor KNIPP, Mr. BOOTH

Prerequisite: Same as S 7I.

S 8III. Introductory Laboratory Physics, Part III.—Heat, light; sound. Laboratory. Schulz's *Laboratory Manual.* (1½). Mr. WARREN, Mr. BOOTH

Prerequisite: Registration in Physics S 7III.

S 4. Electrical and Magnetic Measurements.—Laboratory; recitations; reports. (2). Dr. WILLIAMS, Mr. FAZEL

Prerequisite: A course in general physics and calculus.

S 15. Electricity and Magnetism.—Lectures, recitations; laboratory. Brooks and Poyser, *Magnetism and Electricity.* (1½). Dr. WILLIAMS, Mr. FAZEL

Prerequisite: A course in general physics.

S 16. Heat.—Thermometry, calorimetry, expansion, and vapor pressure. Lectures; demonstrations; recitations; laboratory. Edser's *Heat for Advanced Students*. (1½). Mr. WARNER, Mr. BOOTH

Prerequisite: A course in general physics.

[**S 17. Light.**—For description see Physics 17 above. (1½.) Not given, 1916.

Prerequisite: A course in general physics.]

S 18. Teachers' Course.—For description see Physics 18 above. (1). Dr. WILLIAMS

Prerequisite: A course in general physics, or teaching experience in physics.

S 24. Properties of Matter.—The fundamental properties of matter, weight, mass, gravitation, elasticity, viscosity, surface tension, and diffusion. Poynting and Thomson's *Properties of Matter*. (1½). Dr. WILLIAMS

Prerequisite: A course in general physics.

S 21. Recent Advances in Physical Science.—See S 126.

***S 31. Special Problems in Advanced Physical Measurements.**—Special laboratory problems. (1–2).[1] Associate Professor KNIPP, Dr. WILLIAMS

Prerequisite: A course in general physics; calculus.

***S 126. Physics Colloquium.**—Lectures on liquid air, x-rays, and cathode rays. Associate Professor KNIPP, Dr. WILLIAMS

***S 131. Investigation of Special Problems.**— Associate Professor KNIPP, Dr. WILLIAMS

Prerequisite: Registration in the Graduate School.

***S 133. Seminar and Thesis.**— Associate Professor KNIPP, Dr. WILLIAMS

Prerequisite: Registration in the Graduate School.

PHYSIOLOGY

WILLIAM EDWARD BURGE, Ph.D., *Assistant Professor*
ALMA JESSIE NEILL, A.M., *Assistant*
JOSEPHINE KENNEDY, A.B., *Assistant*

Major: 20 hours made up from any courses offered in the department, exclusive of Physiology 4.

Minors: 20 hours in bacteriology, botany, chemistry, and zoology.

1. Histology.—A microscopic study of the fundamental mammalian tissues. Continued in Physiology 8. *I*; (3). Assistant Professor BURGE, Miss KENNEDY

Prerequisite: Two years of university work, including five hours in botany or zoology.

2. Experimental Physiology.—Nerve and muscle, circulation, respiration, secretion, digestion, and metabolism. Lectures; laboratory. *II*; (5). Assistant Professor BURGE, Miss NEILL

Prerequisite: Two years of university work; Physiology 4 and 8.

4. General Physiology, Chemical and Experimental.—Lectures; demonstrations; recitations; laboratory work. *I* or *II*; (5). Assistant Professor BURGE, Miss NEILL, Miss KENNEDY

Prerequisite: One semester of university work, including five hours in botany or zoology and five hours in chemistry.

[1] In 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*.

5. Physiology of Nutrition.—Utilization of food material by the body in health under various conditions and in disease. Lectures; demonstrations. *II*; (2).
Assistant Professor BURGE

Prerequisite: Physiology 4.

6. Physiology of the Nervous System.—The functions of the principal motor and sensory tracts of the mammal. *I*; (3). Assistant Professor BURGE

Prerequisite: Physiology 1.

7. Investigation.—*II*; (2). Assistant Professor BURGE

8. Histology.—Microscopic anatomy of the organs. Lectures; laboratory. *II*; (3). Assistant Professor BURGE, Miss KENNEDY

Prerequisite: Two years of university work, including Physiology 1.

Courses for Graduates

101. Journal Club.—Review of literature, and discussion of investigations carried on in the department. *Once a week; I, II.*
Members of the department

103. Research.—*Three times a week; I, II; (1 to 2 units).*
Assistant Professor BURGE

POLITICAL SCIENCE

(See also ECONOMICS, HISTORY, and SOCIOLOGY.)

JAMES WILFORD GARNER, Ph.D., *Professor*
JOHN ARCHIBALD FAIRLIE, Ph.D., *Professor*
JOHN MABRY MATHEWS, Ph.D., *Assistant Professor*
RUSSELL MCCULLOCH STORY, A.M., *Instructor*
ROBERT EUGENE CUSHMAN, A.B., *Instructor*
FRANK MALLORY ANDERSON, Ph.D., *Professor of History, Dartmouth College, Summer Session*
JOHN MEZ, Ph.D., *Lecturer for the American Association for International Relations, Summer Session*

Major: Twenty hours from any courses offered by the department. A major may include three hours of constitutional history (History 4 and 14).

Minors: Twenty 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. Course 1a is open only to students in the Colleges of Engineering and Agriculture who desire an introductory course in American Government.

1. American National Government.—Historical development, organization, powers, limitations, and practical working of the national government of the United States. *I*; (3).
Professor GARNER, Assistant Professor MATHEWS, Mr. STORY, Mr. CUSHMAN

Prerequisite: Thirty 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 course 1; may be taken independently.) *II*; (3).
Professor GARNER, Assistant Professor MATHEWS, Mr. STORY, Mr. CUSHMAN

Prerequisite: Thirty hours of university work.

NOTE: Students may not take both 3 and 16 for more than a total of four hours' credit without special permission of the department.

1a. American Government and Politics.—National, state, and local government. (Open only to students in the Colleges of Engineering and Agriculture.) *I*; (2). Mr. CUSHMAN

Prerequisite: Thirty 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 of Illinois.—Constitutional development; the legislature; the executive departments; the administrative boards and commissions; the judiciary; county, town, and city government. Lectures; discussion. *II*; (2). Mr. STORY

Prerequisite: Thirty hours of unviersity work.

NOTE: Students may not take both 3 and 16 for more than a total of four hours' credit without special permission of the department.

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). Mr. STORY

Prerequisite: Senior standing, or junior standing and one of the following: (1) Three hours in either political science or sociology; (2) Five hours in either economics or history; (3) Major work in civil or in municipal and sanitary engineering.

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). Mr. CUSHMAN

Prerequisite: Political Science 1.

6. International Law.—The development, nature, source, and present status of the law of nations; the doctrine of intervention; the laws of war and peace; the rights and duties of neutrals; the arbitration movement. Lectures; assigned readings; reports. *I*; (3). Professor GARNER

Prerequisite: Graduate or senior standing, or junior standing with six hours of history and five hours of political science.

7. American Diplomacy.—The genesis and present organization of the Department of State; the diplomatic service; the treaty making power; the methods and traditional principles of the foreign policy of the United States; diplomatic controversies with foreign powers; the United States as a world power. *II*; (3). Assistant 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. *II*; (2). Professor FAIRLIE

Prerequisite: Political Science 1 or its equivalent.

10. Administrative Law in the United States.—Organization of federal and state administrative systems; separation of powers and delegation of legislative power; powers of administrative officers; administrative procedure; remedies of the individual against unlawful action of public officers. *II*; (3). Mr. CUSHMAN

Prerequisite: Political Science 5, or senior standing and six hours of political science.

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). Mr. CUSHMAN

Prerequisite: Six hours of political science or economics.

12. National Administration.—Administrative powers of the President and Congress; principles of administrative organization; the President's cabinet, the executive departments, boards and commissions and administrative services of the national government; 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. Tendencies toward centralization in taxation, education, and the enforcement of state law. *I*; (3). Assistant Professor MATHEWS

Prerequisite: Political Science 3 or its equivalent.

14. Political Parties and Methods.—Development and organization of political parties and political methods, primarily in the United States; recent legislation on primary elections and corrupt practises; criticism and defense of the party system. *I*; (2). Professor FAIRLIE

Prerequisite: One course in political science.

14a. Primary and Election Problems.—(Supplemental to course 14.) Special reports and discussions. *I;* (1). Professor FAIRLIE

Prerequisite: Registration in Political Science 14.

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). Mr. STORY

Prerequisite: Six 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*; (3). Professor FAIRLIE

Prerequisite: Graduate or senior standing, or junior standing with six hours of political science.

22. Continental European Governments.—The political systems of France, Germany, Austria-Hungary, Italy, and Switzerland; constitutional beginnings; political organizations; methods of legislation and administration; constitutional guaranties for the protection of individual rights. *II*; (3). Professor GARNER

Prerequisite: Open to graduate students and seniors who have had six hours in political science. History 20a-20b and Political Science 21 recommended.

28. Problems of Contemporary Politics.—Reorganization of state government; state socialism; immigration; foreign and colonial policies; parliamentary government; direct popular government. *I*; (2). Mr. STORY

Prerequisite: Senior standing and one course in political science.

34. Municipal Problems.—Municipal administration in the United States and Europe; principles of administrative 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 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).

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. Alternating with course 102. *Twice a week; I;* (*1 unit*). Not given, 1916-17; given in 1917-18. Professor GARNER]

102. The Nature of the State.—Principles, methods, and nature of political science, the origin, attributes, forms, and functions of the state; sovereignty and liberty; citizenship and nationality; constitutions, their nature and forms; principles of legislative, executive and judicial organization. *Twice a week; I;* (*1 unit*). 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. *I, II.*

106. International Law as Applied During the European War.—Causes of the war; treatment of alien enemies; contraband; blockades; transfers of flag; reprisals; fines; contributions and requisitions; rights and duties of neutrals. *Twice a week; II;* (*1 unit*). Professor GARNER

112. Studies in Public Administration.—Special topics in comparative national or local administration. *Twice a week; I;* (*1 unit*). Professor FAIRLIE

113. Topics in 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; II;* (*1 unit*). Assistant Professor MATHEWS

Summer Session Courses

S 1. American Government.—For description see Political Science 1. (2½). Assistant Professor MATHEWS

Prerequisite: Thirty hours of university work.

S 2. American Diplomacy.—For description see Political Science 7. (2½). Assistant Professor MATHEWS

S 3. The Governments of Europe.—For description see Political Science 21 and 22. (2½). Professor ANDERSON

PORTUGUESE

(See under ROMANCE LANGUAGES.)

PSYCHOLOGY

MADISON BENTLEY, Ph.D., *Professor*
CHRISTIAN ALBAN RUCKMICH, Ph.D., *Associate*
CARL RAHN, Ph.D., *Instructor*
ANNA SOPHIE ROGERS, A.M., *Assistant*
GEROLD CARL WICHMANN, A.B., *Assistant*
COLEMAN R. GRIFFITH, A.B., *Assistant*

Major: Twenty hours chosen from courses announced by the department, except that six hours may be chosen from one or more of the following subjects: Philosophy 1, 2, 3, 4; Physics 1a-1b, 3a-3b, 7a-7b; Zoology 2, 5, 9, 15; and Animal Husbandry 30.

Minors: Twenty hours chosen from education, genetics, philosophy, physics, physiology, sociology, and zoology.

Laboratories

The departmental laboratories occupy twenty rooms in University Hall. They make provision for research, undergraduate instruction in drill-courses, demonstrations in the lecture-room, the testing of mental capacity and of mental defect, and the study of the animal mind. Besides standard equipment in all branches, the laboratories contain special apparatus for spectroscopic and chronographic methods and for the investigation of memory and association. Provision is made for research in psychological optics and acoustics. The work-shop, which is in charge of a skilled mechanician, is equipped for the construction of delicate apparatus and of instruments of precision. The departmental library contains complete files of foreign and American journals and a working collection for experimental and historical study.

Summer Session courses in psychology will be found under EDUCATION.

1. Introduction to Psychology.—The facts and laws of mind. Lectures; sectional meetings. *I*; (3).
Professor BENTLEY, Dr. RUCKMICH, Dr. RAHN, and assistants

Prerequisite: One year of university work.

2. General Psychology.—Mental inheritance, habit, custom, and fashion; psychology and the biological and social sciences; comparative and genetic psychology; the abnormal; applications of psychology to the arts and professions. *II*; (3). Dr. RUCKMICH, Dr. RAHN, and assistants

Prerequisite: Psychology 1.

3. Laboratory Practise (Elementary).—Classical experiments in the fields of sensation, feeling, attention, perception and action. *I* or *II*; (2).
Professor BENTLEY, Dr. RUCKMICH and assistants

Prerequisite: Psychology 1.

5. Comparative Psychology.—Mind in animal forms; 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 either in animal psychology or in the study of behavior.) Lectures; laboratory. *I*; (2). Professor BENTLEY, Dr. RAHN

Prerequisite: Psychology 1.

6. Comparative Psychology (Advanced Laboratory).—Individual studies in animal psychology. *II*; (2-4).[1] Professor BENTLEY, Dr. RAHN

Prerequisite: Psychology 1 and 5.

[1] In 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*.

9. Physiological Psychology.—Correlations between the structure and functions of the nervous system and the phenomena of human consciousness; 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. German Reading.—Translation into English of a German psychological text. *I*; (1). Professor BENTLEY

Prerequisite: Psychology 1 and an elementary knowledge of German.

12-13. Minor Problems (Advanced Laboratory).—The formulation and application of methods suitable to new problems. *I, II*; (2-5).[1]

Professor BENTLEY, Dr. RUCKMICH, Dr. RAHN

Prerequisite: Psychology 1, 2, 3.

14. Social Psychology.—The social consciousness and the collective mind; analysis of the conditions upon which social consciousness depends; perceptual, ideational, and emotional factors in social consciousness; genetic development of the collective mind as revealed in tradition and institutions. *I*; (2). Dr. RAHN

Prerequisite: Psychology 1 and one other course.

15. The Psychological Basis of Music.—(An elementary course.) Summary of experimental and theoretical literature on the origin of music, harmony, melody, rhythm, consonance, tonal quality, psychology of appreciation and performance. *I*; (2). Dr. RUCKMICH

17. The History of Psychology.—Lectures, discussions and readings in the sources. *II*; (2). Dr. RUCKMICH

Prerequisite: Psychology 1, 2, and one other course.

20. Systematic Psychology.—The nature of psychology analysis; classification of elementary processes; description of sensory and imaginal processes and the simpler complexes based upon historical and current researches. Lectures and essays. (For graduates and advanced undergraduates.) *II*; (3).

Professor BENTLEY

Prerequisite: The consent of the instructor.

21-22. Special Studies.—Individual investigations, for advanced students, in the form of essay or experiment. *I, II*; (3).

Dr. BENTLEY, Dr. RUCKMICH, Dr. RAHN

Prerequisite: Psychology 1, and one other course.

Courses for Graduates

103. Research.—Experimental and historical investigations. *I, II*; (*½ to 2 units*). Professor BENTLEY, Dr. RUCKMICH, Dr. RAHN

105. Seminar.—Discussion of current topics in their historical setting. *I, II*; (*½ unit*). Professor BENTLEY

PUBLIC SPEAKING

(See under ENGLISH LANGUAGE AND LITERATURE.)

RAILWAY ADMINISTRATION

(See TRANSPORTATION.)

[1] In 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*.

RAILWAY ENGINEERING

EDWARD CHARLES SCHMIDT, M.E., *Professor*
WILLIAM FREEMAN MYRICK GOSS, M.S., D.Eng., *Professor*
JOHN MCBEATH SNODGRASS, B.S., *Assistant Professor, Railway Mechanical Engineering*
ALONZO MORRIS BUCK, M.E., *Assistant Professor, Railway Electrical Engineering*
ARTHUR FRANCES COMSTOCK, C.E., *Associate, Railway Civil Engineering*
OTTO STERNOFF BEYER, Jr., M.E., *Research Assistant, Engineering Experiment Station*
HAROLD HOUGHTON DUNN, M.S., *Research Assistant, Engineering Experiment Station*

Railway Civil Engineering—Courses 31-51.
Railway Electrical Engineering—Courses 60-68.
Railway Mechanical Engineering—Courses 2-9.
Common to all groups—Courses 25, 98 and 99.

2. Locomotive Design.—Calculations and designs of engine and boiler details; current standards and proportions. *I*; (3). Assistant Professor SNODGRASS
Prerequisite: Mechanical Engineering 12, 62; Railway Engineering 6.

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). Mr. BEYER
Prerequisite: Mechanical Engineering 12, 62; Railway Engineering 6.

6. Locomotives.—Mechanics; performance; design. *II*; (4).
Professor SCHMIDT
Prerequisite: Theoretical and Applied Mechanics 21, 29; registration in Mechanical Engineering 12 and 62.

7. Advanced Design.—Problems in locomotive and car design. *II*; (3).
Assistant Professor SNODGRASS
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). Mr. BEYER
Prerequisite: Railway Engineering 5.

9. Seminar.—Discussion of assigned topics and reports. *I*; (1).
Professor SCHMIDT

25. Railway Development.—History and organization of steam and electric railways; statistics; costs. *I*; (3).
Professor SCHMIDT, Assistant Professor SNODGRASS, Assistant Professor BUCK, Mr. COMSTOCK
Prerequisite: Open to juniors in railway courses only.

31. Railway Yards and Terminals.—Theory of design; arrangement of grades in gravity yards; problems in yard design. *II*; (3). Mr. COMSTOCK
Prerequisite: Civil Engineering 51.

32. Railway Construction.—Design of railway structures; estimates of cost, working drawings, and contracts and specifications for assigned problems. *I*; (3).
Mr. COMSTOCK
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). Mr. COMSTOCK
Prerequisite: Civil Engineering 51; Theoretical and Applied Mechanics 20, 21.

34. Railway Maintenance.—Organization; track design; theory and practise of track maintenance. *II*; (4). Mr. COMSTOCK

Prerequisite: Civil Engineering 51.

35. Railway Signaling.—Block and route signaling; systems in use; history of railway accidents. *I*; (1). Mr. COMSTOCK

Prerequisite: Civil Engineering 51.

50-51. Seminar.—Discussion of assigned topics and reports. *I, II*; (1). Mr. COMSTOCK

60. Electric Railway Principles.—Mechanics of traction; train resistance; braking of electric railway trains; methods of solving fundamental electric railway problems. *II*; (2). Assistant Professor BUCK

Prerequisite: 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 and others.) *II*; (3). Assistant Professor BUCK

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 BUCK

Prerequisite: Railway Engineering 60.

63. Electric Railway Laboratory.—(A continuation of Course 62.) Tests with the electric test car and the dynamometer car to determine train resistance and power consumption. *II*; (2). Assistant Professor BUCK

Prerequisite: Railway Engineering 62, 64.

64. Electric Railway Practise.—Types of equipment; energy consumption; methods of distribution. *I*; (3). Assistant Professor BUCK

Prerequisite: Theoretical and Applied Mechanics 25; Electrical Engineering 26, 76; Railway Engineering 60.

65. Electric Railway Economics.—Location and operation; choice of systems; location of power plant and sub-stations; calculation of transmission and distribution circuits; maintenance of way and of equipment; electrification of steam roads. *II*; (4). Assistant Professor BUCK

Prerequisite: Railway Engineering 64.

66. Electric Railway Machinery.—Theory and characteristics of electrical machinery used for railway service and of transmission and distribution lines. *I*; (3). Assistant Professor BUCK

Prerequisite: Railway Engineering 60; Electrical Engineering 26, 76.

67-68. Seminar.—Discussion of assigned topics and reports. *I, II*; (1). Assistant Professor BUCK

98. Thesis.—Independent solution of some railway problem or the investigation of some subject. The thesis may be an original design or an original experimental investigation, or the analysis and discussion of facts already in existence. *II*; (3). Professor SCHMIDT, Assistant Professor SNODGRASS, Assistant Professor BUCK, Mr. COMSTOCK

99. Inspection Trip.—*I*; (*no credit*).

Prerequisite: Senior standing.

Courses for Graduates

The prerequisite for graduate work in railway engineering is the equivalent of the undergraduate curriculums required for the degree of Bachelor of Science in railway engineering in the branches of the subject in which registration is desired.

102. Locomotive Design.—Modern practise concerning steam pressure, compounding, superheating. *I, II*; (1). Professor Goss

106. Locomotive Operation.—Train resistance and locomotive tractive effort; establishment of tonnage ratings. *I, II*; (1).
Professor Schmidt and Assistant Professor Snodgrass

108. Electric Railways.—Design, selection, and operation of electric railway equipment. *I, II*; (1). Assistant Professor Buck

110. Railway Locations.—Effects of the location of a railway on its earning capacity; engineering and economic problems met with in original location; relocation and reduction of grades of existing lines. *I, II*; (1). Mr. Comstock

RHETORIC

(See English Language and Literature

ROMANCE LANGUAGES AND LITERATURE

Kenneth McKenzie, Ph.D., *Professor*
Thomas Edward Oliver, Ph.D., *Professor*
John Driscoll Fitz-Gerald, II, Ph.D., *Professor of Spanish*
David Hobart Carnahan, Ph.D., *Associate Professor*
David Simon Blondheim, Ph.D., *Assistant Professor*
Arthur Romeyn Seymour, Ph.D., *Associate*
Olin Harris Moore, Ph.D., *Associate*
Charles Seraphin Carry, *Assistant*
Louis Allen, A.M., *Assistant*
Rafael Arcangel Soto, B.S., A.B., *Assistant*
Eric Allen Dawson, A.M., *Assistant*
Herbert King Stone, A.B., *Assistant*
John Raymond Shulters, A.M., *Assistant*
Manuel Lopez, A.B., *Assistant*
Louis Philip Costa, A.M., *Assistant*
Park Powell, A.B., B.S., *Assistant*
Orlando d'Amato, A.B., *Assistant*
Pedro Bach y Rita, *Assistant*
Cincinnati Giovanni Battista Laguardia, A.B., *Assistant, Summer Session*

FRENCH

Major: 20 hours of French, exclusive of French 1a, 1b, 2a, 6a, 6b, 9a, and 9b.

Minors: 20 hours in not more than three of the following subjects: English (excluding Rhetoric 1-2), German, Greek, Italian, Latin, Spanish, history, and philosophy, provided that 8 hours must be taken in one subject other than a Romance language.

ROMANCE LANGUAGES

Major: 20 hours in French and one other Romance language, exclusive of French 1a, 1b, 2a, 6a, 6b, 9a, 9b, Italian 1a, 1b, Portuguese 1a, 1b, Spanish 1a, 1b.

Minors: 20 hours in not more than three of the following subjects: English (excluding Rhetoric 1-2), German, Greek, Italian, Latin, Spanish, history, and philosophy, provided that the minor does not include any language contained in the major in Romance languages.

A. FRENCH

Courses for Undergraduates

1a-1b. Elementary Course.—Grammar; pronunciation; reading of modern authors; composition; conversation. *I, II*; (4).
Professor McKENZIE, Dr. MOORE, Mr. CARRY, Mr. ALLEN, Mr. DAWSON, Mr. STONE, Mr. SHULTERS, Mr. POWELL

2a-2b. Modern Prose, Poetry, and Drama.—Rapid reading of modern authors; advanced syntax and composition. *I, II*; (4).
Professor OLIVER, Associate Professor CARNAHAN, Assistant Professor BLONDHEIM, Dr. MOORE, Mr. STONE

Prerequisite: French 1a-1b.

5a-5b. Introduction to French Literature.—Authors of the last three centuries. Composition; review of the grammar. *I, II*; (3).
Professor FITZ-GERALD, Dr. MOORE

Prerequisite: French 2a-2b, or an equivalent.

6a-6b. Second-Year Conversation.—Mainly classroom work. (Does not count toward a major in French.) *I, II*; (1). Mr. CARRY

Prerequisite: French 1a-1b, with a grade of at least 85.

7a-7b. Intermediate Composition and Conversation.—Conducted entirely in French, giving facility in idomatic expression in writing and speaking. Reading; themes; talks upon France and French life. *I, II*; (2). Mr. CARRY

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). Mr. CARRY

Prerequisite: French 7a-7b.

25. Course for Teachers.—Methods of teaching French in this country and abroad; actual contact with classroom problems. *I*; (2).
Associate Professor CARNAHAN

Prerequisite: Twenty-four hours' credit in French, including French 7a-7b.

28a-28b. Senior Thesis.—For candidates for honors in French; open to other seniors. *I, II*; (1). Members of the department

Courses for Advanced Undergraduates and Graduates

Prerequisite for the courses following: at least three years of college French or the equivalent.

10a-10b. Survey of French Literature.—Special periods and authors. The main currents of French literature from the beginning to the present time. *I, II*; (3). Associate Professor CARNAHAN

24a-24b. Seventeenth and Eighteenth Century Drama.—Corneille, Racine, Moliere, Voltaire, Marivaux, Sedaine, Beaumarchais. Lectures and interpretation. *I, II*; (2). Professor OLIVER

17a-17b. Nineteenth Century Drama.—Victor Hugo, Dumas, Augier, Sardou, Becque, Brieux, Hervieu, Bourget, Donnay, Rostand, and other dramatists. Dramatic criticism. *I, II*; (2). Professor MCKENZIE

45b. French Realism.—Flaubert, Maupassant, E. and J. de Goncourt, Daudet, Zola. Lectures; reports on collateral reading. Conducted in French if desired. *II*; (2). Dr. MOORE

50a-50b. French Phonetics and Pronunciation.—Elementary phonetics; a detailed study of present-day pronunciation; practical exercises. *I, II*; (1). Assistant Professor BLONDHEIM

Courses for Graduates

Before entering upon the study of Romance Languages as a major for an advanced degree, a candidate must have had at least (a) three years of college work in French, together with a reading knowledge of Italian or Spanish; or (b) two years of college work in French and the same in Italian or Spanish. The candidate must also have had satisfactory training in Latin, and be able to read German prose.

Graduate students who select Romance languages as a first or second minor must have had at least two years of college work in the language desired and be able to read German prose.

101. Old French Epic Literature.—Critical reading and interpretation of national and courtly epics and collateral study of their history. *Twice a week; I, II; (1 unit)*. Professor OLIVER

[**102. Old French Lyric and Prose Literature.**—Critical interpretation of the earlier Old French didactic, chronicle, and lyric writers; history of these types of medieval literature. *Twice a week. I, II; (1 unit)*. Not given, 1916-17. Professor OLIVER]

106. Early French Drama.—Origins of the drama in France, and its development up to the Renaissance. *Twice a week. I, II; (1 unit)*. Associate Professor CARNAHAN

[**103. Seventeenth Century Prose Writers.**—French culture, society, and prose literature of the seventeenth century; the great preachers and moralists; Jansenism and Port Royal; formation of the classic ideals. *Once a week; I, II; (½ unit.)* Not given, 1916-17. Professor OLIVER]

104. Eighteenth Century Prose Writers.—Society, culture, and prose literature of the eighteenth century; attack on the classic ideals; the revolutionary spirit; first movements towards romanticism. *Once a week; I, II; (½ unit)*. Professor OLIVER

119. Belgian Literature in French Since 1880.—Reading and reports. *Once a week; I, II; (½ unit)*. Dr. GILLET

[**127. French Romanticism.**—Origin and development of the romantic movement in France. *Twice a week; I, II;* (*1 unit*). Not given, 1916-17.
Associate Professor CARNAHAN]

[**137. French Literary Criticism before the French Revolution.**—History of criticism in antiquity and in the Italian Renaissance; the French critics; classicism. *Twice a week; I, II;* (*1 unit.*) Not given, 1916-17.
Assistant Professor BLONDHEIM]

139. French Literary Criticism in the Nineteenth Century.—The leading critics; development of literary movements. *Twice a week; I, II;* (*1 unit*).
Assistant Professor BLONDHEIM

B. ITALIAN

Courses for Undergraduates

1a-1b. Elementary Course.—Grammar; composition; conversation; reading. *I, II;* (3). Professor MCKENZIE, Mr. D'AMATO

Course for Advanced Undergraduates and Graduates

2a-2b. Italian Literature.—Italian writers of the nineteenth century. Composition; conversation. Introduction to the study of Dante. *I, II;* (2)
Professor MCKENZIE

Prerequisite: A reading knowledge of Italian.

Courses for Graduates

[**140. Italian Literature of the Thirteenth and Fourteenth Century.**—Dante, Petrarch, Boccaccio. *Twice a week; I, II;* (*1 unit*). Not given, 1916-17.
Professor MCKENZIE]

143. Italian Literature of the Fifteenth and Sixteenth Centuries.—Special attention will be given to the romances of chivalry. *Twice a week; I;* (*1 unit*).
Professor MCKENZIE

[**146. Modern Italian Literature.**—Critical study of important Italian writers of the nineteenth century. *Twice a week; II;* (*1 unit*). Not given, 1916-17.
Professor MCKENZIE]

C. PORTUGUESE

Courses for Undergraduates

1a-1b. Elementary Course.—Grammar; conversation; reading. *I, II;* (4).
Mr. COSTA

D. SPANISH

Courses for Undergraduates

1a-1b. Elementary Course.—Grammar; pronunciation; reading; composition; conversation. *I, II;* (4).
Dr. SEYMOUR, Mr. ALLEN, Mr. SOTO, Mr. DAWSON, Mr. SHULTERS, Mr. LOPEZ, Mr. COSTA, Mr. POWELL, Mr. D'AMATO, Mr. BACH Y RITA

2a-2b. Modern Spanish.—Rapid reading of modern authors; advanced grammar; conversation; composition; commercial correspondence. *I, II;* (4).
Professor FITZ-GERALD, Mr. SOTO, Mr. D'AMATO

Prerequisite: Spanish 1a-1b, or equivalent.

3a-3b. Introduction to Spanish Literature.—Rapid reading of modern authors, and of the more important writers of the seventeenth century. *I, II;* (3).
Dr. SEYMOUR

Prerequisite: Spanish 2a, 2b.

4a-4b. Business Correspondence and Conversation.—Reading of facsimile business correspondence; writing of business letters; conversation. Reports in Spanish on consular and governmental documents. Conducted in Spanish. *I, II*; (2). Dr. SEYMOUR

Prerequisite: Spanish 2a-2b.

Course for Advanced Undergraduates and Graduates

11a-11b. The Spanish Drama of the Sixteenth and Seventeenth Centuries.—Earlier dramatists; representative plays of Lope de Vega, Calderon, Ruiż de Alarcon and Tirso de Molina. Reports on outside reading. *I, II*; (2). Dr. SEYMOUR

Prerequisite: Spanish 3a-3b.

Courses for Graduates

[**132. The Novela of the Golden Age.**—Political and social conditions in Spain from 1560 to 1700; *Don Quixote* and the *Novelas Exemplares* of Cervantes. *Twice a week; I, II; (1 unit)*. Not given, 1916-17. 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; (1 unit)*. Professor FITZ-GERALD

134. The Spanish Ballad.—Types of the ballad. Lectures; collateral readings; reports. *Twice a week; I, II; (1 init)*. Dr. SEYMOUR

[**135. The Modern Novel in Spain.**—Development of the modern novel in Spain from the middle of the nineteenth century to the present time; development of the novel in Spain, France, and Italy. *Twice a week; I, II; (1 unit)*. Not given, 1916-17. Dr. SEYMOUR]

E. ROMANCE PHILOLOGY

Courses for Graduates

[**171. Introduction to Romance Philology.**—Historical phonology and Morphology of the Romance languages. *Twice a week; I, II; (1 unit)*. Not given, 1916-17. Professor FITZ-GERALD]

175. Old French Phonology and Morphology.—Development of Old French from Vulgar Latin. *Twice a week. I, II; (1 unit)*.

Assistant Professor BLONDHEIM

181. Origins of the Italian Language.—Italian literature previous to Dante. *Twice a week; II; (1 unit)*. Professor MCKENZIE

185. Oldest Monuments of the Spanish Language.—Origins of Spanish poetry. Historical grammar. *Twice a week; I, II; (1 unit)*. Professor FITZ-GERALD

195. Seminar.—Research work in preparation for theses. *I, II*; *(1 unit)*. Members of the department.

Summer Session Courses

FRENCH

S 1a. Elementary Course.—Pronunciation, grammar, composition, reading. (4). Dr. MOORE

S 1b. Elementary Course (continued).—(4). Mr. CARRY

Prerequisite: French 1a, S1, one year of high-school French, or the consent of the instructor.

S 2. Modern French.—Rapid reading; composition, conversation. Comport's *French Prose Composition;* Loti's *Peucheur d'Islande;* Merimee's *Colomba;* Erckman-Chartrian's *Le Juif Polonais;* Bazin's *Les Oberle;* Hugo's *Ruy Blas;* Scribe's *Bataille de Dames.* (3). Mr. CARRY

Prerequisite: One year of university French or its equivalent.

S 3. Composition and Conversation.—Practise in speaking and writing simple French. (1). Mr. CARRY

Prerequisite: The approval of the instructor.

S 4. Composition and Conversation (intermediate course).—Conducted in French. (1). Mr. CARRY

Prerequisite: Ability to understand spoken French, and the approval of the instructor.

S 9. Modern French Drama.—Rapid reading of modern plays. (1). Associate Professor CARNAHAN

Prerequisite: Two years of university French, or an equivalent.

*S 100. Seminar.—An opportunity for graduate work in French literature will be afforded properly qualified students. Dr. MOORE

Spanish

S 1a. Elementary Course.—Grammar, reading. (4). Mr. LAGUARDIA

Equivalent: Spanish 1a.

S 2. Conversation and Composition.—For description see Spanish 2a-2b. (1). Mr. LAGUARDIA

Prerequisite: One year of university Spanish or its equivalent.

SCANDINAVIAN LANGUAGES AND LITERATURE

(See GERMANIC LANGUAGES AND LITERATURE.)

THE SOCIAL SCIENCES

(See ECONOMICS, HISTORY, POLITICAL SCIENCE, and SOCIOLOGY.)

SOCIOLOGY

EDWARD CARY HAYES, Ph.D., *Professor*
JAMES GARFIELD STEVENS, Ph.D., *Associate*
HERBERT KNIGHT DENNIS, A.M., *Assistant*

Cooperating:

HENRY ELMER HOAGLAND, A.M., *Instructor in Economics*
JAMES P LICHTENBERGER, Ph.D., *Professor of Sociology, University of Pennsylvania, Summer Session*

Major: 20 hours from any courses offered in the department.

Minors: 20 hours chosen from two or three 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, Dr. STEVENS, Mr. DENNIS

Prerequisite: Junior standing.

2. **Social Psychology and Social Control.**—A summary of certain teachings of Tarde, Le Bon, Durkheim, Giddings, Ward, Ross and others, with special reference to the ways in which the sentiments, opinions, and conduct of the members of society are shaped. *II*; (3). Mr. DENNIS

Prerequisite: Sociology 1.

7. **The Social Problems of the Rural Community.**—*II*; (2). Professor HAYES, Mr. DENNIS

Prerequisite: Junior standing.

Courses for Advanced Undergraduates and Graduates

3. **Social Evolution.**—Modes of social activity among savage, barbarous, and civilized people; 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). Dr. STEVENS

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 penology; recent experiments and tendencies. *II*; (3). Dr. STEVENS

Prerequisite: Sociology 1 or 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). Dr. STEVENS

Prerequisite: Sociology 1 or Economics 1; senior standing.

11. **Basis of Social Theory.**—*I*; (2). Professor HAYES

Prerequisite: Senior standing and the consent of the instructor.

12. **The Labor Problem.**—The same as Economics 12. Mr. HOAGLAND

Prerequisite: Economics 1, 3; students whose major subject is sociology and who have had 6 hours in history, and Sociology 1, may be admitted without Economics 3.

14. **Social Statistics.**—Social investigation and research. Vital statistics and population in the light of data afforded by official publications. Social and community surveys. The statistical method applied to sociology and social problems. *II*; (3). Dr. STEVENS

Prerequisite: Sociology 1 or Economics 1, and, Sociology 10; senior standing. Juniors having the other prerequisites may be admitted by special permission of the instructor.

[15. **The Family.**—Evolution of the family and marriage; its educational, moral, and political significance at different stages of social development. *II*; (3). Not given, 1916-17.]

21. Socialism and Social Reform.—The same as Economics 21.

Mr. HOAGLAND

Prerequisite: Economics 1, 3; students whose major subject is sociology and who have had 6 hours in history, and Sociology 1, may be admitted without Economics 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.

[**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 Appliquee aux Sciences Sociales*, Bernheim's *Historische Methode*, Spencer's *Study of Sociology*, and Giddings' *Inductive Sociology*. *Three times a week; I;* (*1 unit*). Not given, 1916-17.]

102. The development of Sociology.—Reading of sociological works; discussions; lectures. *Twice a week; I, II;* (*1 unit*). Professor HAYES

150. Seminar.—Detection and statement of problems. Preparation of theses. *Twice a week; I, II;* (*1 or 2 units*). Professor HAYES

Summer Session Courses

S 1. Social Causation.—Cause and effect in society. (2).

Professor LICHTENBERGER

S 5. Practical Social Problems.—A survey of the most important contemporary social civic problems. (1). Professor LICHTENBERGER

***S 15. The Family.**—For description see Sociology 15. (2).

Professor LICHTENBERGER

SPANISH

(See ROMANCE LANGUAGES AND LITERATURE.)

TRANSPORTATION

ERNEST RITSON DEWSNUP, A.M., *Professor*

Courses for Undergraduates

1. Transportation System of the United States.—The development and economic problems of railway and other transportation in this country. *I*; (3).

Professor DEWSNUP

Prerequisite: Economics 1 or 2; junior standing.

35a-35b. Thesis.—Investigation of problems in railway administration. A preliminary outline must be filed with the department by the second Friday of October, an extended outline and bibliography by the second Friday in November, and a first draft of at least fifteen pages of the thesis must be submitted by the second Friday in January. *I, II;* (2). Professor DEWSNUP

Prerequisite: Full senior standing in railway administration.

Courses for Undergraduates and Graduates

2. Transportation Policy in Europe and in the United States.—The regulation of railways in the United States and Europe. *II*; (3). Professor DEWSNUP

Prerequisite: Transportation 1; Economics 1.

7. Railway Organization.—The departments and functions of the American railway; traffic and operating departments; relative merits of the departmental, divisional, and unit systems of organization; organizations of foreign railways; railway associations, labor, discipline, and training. *I*; (2). Professor DEWSNUP

Prerequisite: Accountancy 1 and Economics 1, previously or concurrently. For senior students in the College of Engineering, Economics 2.

12. Freight Shipment.—Preparation of goods for shipment, chiefly by railway; freight classifications; class ratings; rate adjustment in New England, Trunk Line and Central Freight Association Territory; main features of southern and western rate adjustment; the express and parcel post systems. *II*; (2).

Professor DEWSNUP

Prerequisite: Transportation 7, or 60 hours of university work.

[**13. Railway Traffic Administration.**—Methods of passenger traffic management. *I*; (3). Not given, 1916-17.

Prerequisite: Transportation 7, or credit or concurrent registration in Transportation 1.]

17. Railway Terminal Management.—Freight and passenger terminals. *I*; (3).

Professor DEWSNUP

Prerequisite: Transportation 7, or credit or concurrent registration in Transportation 1; Economics 1.

[**22. Railway Train Service.**—The standard code of train rules; its application to train dispatching; block-signaling practise; time-table construction. An inspection trip to Chicago of four days' duration forms part of this course. Expenses average about $12.00. *II*; (3). Not given, 1916-17.

Prerequisite: Transportation 1, 7, and 13.]

26. The Economics of Railway Construction and Maintenance.—The bearing of traffic conditions upon location and types of construction; the present maintenance policy of the railways in regard to roadway and equipment. An inspection trip to Chicago of four days' duration, April 2, 3, 4, and 5, 1917 forms part of the course. Expenses average about $12.00. *II;* (3) Professor DEWSNUP

Prerequisite: Transportation 1, 7, and 17.

Courses for Graduates

[**101. Railway Rate Policy.**—*Twice a week; I*; (*1 unit*). Not given, 1916-17.]

[**102. The Fiscal Administration of American Railways.**—*Twice a week; II*; (*1 unit*). Not given, 1916-17.]

103. Foreign Railway Administration.—*Twice a week; I*; (*1 unit*).

Professor DEWSNUP

104a. 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, 104b with freight service, 104c with passenger service. *Once a week or, at the option of the instructor, twice a week; II;* (*1 unit*). Professor DEWSNUP

ZOOLOGY

(Including HUMAN ANATOMY.)

HENRY BALDWIN WARD, Ph.D., *Professor*
JOHN STERLING KINGSLEY, D.Sc., *Professor*
FRANK SMITH, A.M., *Professor*
CHARLES ZELENY, Ph.D., *Professor*

VICTOR ERNEST SHELFORD, Ph.D., *Assistant Professor*
HARLEY JONES VANCLEAVE, Ph.D., *Associate*
HENRY GUSTAV MAY, B.S., *Research Assistant*
JOSEPH KRAFKA, JR., M.S., *Research Assistant*
BESSIE ROSE GREEN, A.M., *Assistant*
GEORGE MARSH HIGGINS, A.M., *Assistant*
RALPH HARLAN LINKINS, A.M., *Assistant*
JAMES ERNEST KINDRED, A.M., *Assistant*
ROBERT HILLS KINGMAN, A.B., *Assistant*
WILLIAM SIDNEY SPICER, M.S., *Assistant*
MORRIS JOHNSON KERNALL, A.M., *Graduate Assistant*
FRANCIS MARSH BALDWIN, A.M., *Graduate Assistant*
MINNA ERNESTINE JEWELL, A.M., *Graduate Assistant*
JESSE ROY CHRISTIE, B.S., *Graduate Assistant*
GERTRUDE MELLEN HOOPER, A.B., *Graduate Assistant*

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 technics (3), heredity and evolution (5), and current literature (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.

A. ZOOLOGY

Courses for Undergraduates

1. General Zoology.—Animal biology, principles of structure; function, interrelations, origin, and development of animal life; simpler and best-established generalizations in zoological theory. Lectures, laboratory; quiz work. *I* or *II*; (5). Professor WARD, Assistant Professor SHELFORD, Dr. VAN CLEAVE, and assistants

2. Vertebrate Zoology and Comparative Anatomy.—Classification of the Chordata; the early stages of vertebrate embryology; structure of vertebrate tissues; anatomy of systems of organs considered in respect to their function, ontogeny, and evolution in the vertebrate series; anatomical studies of types of the Chordata. Lectures; laboratory; quiz work. *II*; (5).
Professor KINGSLEY 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). Dr. VAN CLEAVE

Prerequisite: Zoology 1.

5. Heredity and Evolution.—Facts and present views; proofs of organic evolution; probable factors involved. Lectures; demonstrations; assigned reading. *II*; (2). Professor ZELENY

Prerequisite: One year of university work.

16. Economic Ornithology.—Common birds of the vicinity. Identification; food relations; seasonal distribution; migration activities. Economic importance of birds and their conservation. Letures; assigned reading; a few field trips in the latter part of the semester. *II*; (2). Professor SMITH

19a-19b. Advanced Ornithology.—(Continuation of 16.) Systematic and field work; economic and technical literature. *I, II*; (2–5).[1] Professor SMITH

Prerequisite: Zoology 16 or equivalent.

Courses for Advanced Undergraduates and Graduates

3. Microscopical Technics and Vertebrate Embryology.—Vertebrate embryo in early stages of development; methods of fixation, embedding, section cutting, staining, and mounting; preparation of material for use in introductory embryology. Lectures; laboratory. *I*; (3). Professor KINGSLEY

Prerequisite: Zoology 1, 2.

6. Vertebrate Organogeny.—Development of the organs of the vertebrate body. Lectures; assigned readings; laboratory studies on embryos of the chick, dogfish, Amblystoma, and pig. (A continuation of course 3.) *II*; (3). Professor KINGSLEY

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) Assistant Professor SHELFORD

Prerequisite: One year of zoology or one and one-half years of university work, including Zoology 1.

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*; (2–4).[1] Assistant Professor SHELFORD

Prerequisite: One year of zoology and senior standing.

25-26. Experimental Zoology.—Experimental embryology; regeneration; heredity; variation; evolution. Laboratory; assigned reading; conference. *I, II*; (5). Professor ZELENY

Prerequisite: Two years of university work, including one year in zoological courses.

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

Prerequisite: One year in zoology, and senior standing.

18. Advanced Field Zoology.—(A continuation of course 17.) Taxonomic or distributional problems in connection with the local fauna. *II*; (3–5).[1] Professor SMITH

Prerequisite: Zoology 17.

[1] In 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*.

22-23. Morphology of Vertebrates.—The skeleton and the brain, the cranial nerves, and the eye and ear. Lectures; laboratory work; dissection of types. *I, II*; (2–4).[1] Professor KINGSLEY

Prerequisite: Zoology 1, 2, 3, and 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 Literature.—Presentation and discussion of the results of recent zoological investigation. (Open to all students in 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. Senior Thesis.—Individual work on assigned topics. *I, II*; (5). Members of the department

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, the segmentation of the head, and the morphology of special systems. Lectures; required reading. *Twice a week; I;* (*½ unit*). Professor KINGSLEY

107. Parasitology.—Structure and life history of animal parasites; the relations to disease; origin and biological significance of parasitism. Conferences; assigned readings; demonstrations. *Twice a week; I, II;* (*1 unit*). Given in 1916-17 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;* (*½ unit each*). Assistant Professor SHELFORD

[**110-110a. Economic Ecology.**—Application of principles of physiology and ecology to problems of fisheries and pollution; insect pests and weather, forestry and conservation, etc. 110 *twice a week;* 110a assigned reading and reports; (*½ unit each*). Not given, 1916-17. Assistant Professor SHELFORD]

111. Experimental Ecology.—The repetition of published experiments in physiology and ecology. The student selects a topic on animal reactions or on the measurement of osmotic pressure, temperature, acidity, or conductivity, with modern apparatus. *I, II;* (*½ to 2 units*). Assistant Professor SHELFORD

115. Factors of Individual and Racial Development.—Experimental embryology; regeneration; heredity; variation; evolution. *Twice a week; I, II;* (*1 unit*). Professor ZELENY

117. Faunistic Zoology.—Problems in taxonomy and distribution; field work, conference, and lectures. Students have the advantage of the collections, library, apparatus, and operation of a natural history survey of the State now in progress at the University. *Twice a week; I, II;* (*1 to 2 units*). Professor SMITH

[1] In 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*.

[**127. Theories of Animal Phylogeny.**—Relations of various groups of animals; signification of so-called intermediate forms; study of invertebrate larval forms and of theories of descent based on them. Lectures; assigned readings; demonstrations. *Once or twice a week; I, II;* (*1 unit*). Not given, 1916-17. To be given in 1917-18 and alternate years. Professor WARD]

121. Invertebrate Morphology and Parasitology.—Individual research course. *I, II;* (*1 to 2 units*). Professor WARD

122. Vertebrate Morphology.—Individual research course. *I, II*; (*1 to 2 units*). Professor KINGSLEY

123. Faunistic and Systematic Zoology.—Individual research course. *I, II*; (*1 to 2 units*). Professor SMITH

124. Experimental Zoology.—Individual research course. *I, II*; (*1 to 2 units*). Professor ZELENY

125. Animal Ecology and Behavior.—Individual research course. *I, II.* Assistant Professor SHELFORD

B. HUMAN ANATOMY

1. Introduction to Human Anatomy.—The human skeleton; dissection of the viscera of the dog. *I*; (3) Mr. SPICER

Prerequisite: Zoology 1, 2, 3, 6.

2. Introduction to Human Anatomy.—Dissection of the human extremities and the brain of man. *II*; (3). Mr. SPICER

Prerequisite: Anatomy 1.

Summer Session Courses

S 1. General Zoology.—For description see Zoology 1. (4). Assistant Professor SHELFORD, Mr. BALDWIN

S 13. Elements of Embryology and Microscopical Technics.—Laboratory work, lectures, and quizzes. The fundamental features of cell structure and of animal development; training in the simpler methods of preserving, sectioning, and mounting. (2). Mr. BALDWIN

***S 9. Animal Ecology.**—The relations of animals to their natural environments. Field and experimental work and lectures. (2 or 4).[1] Assistant Professor SHELFORD

***S 125. Animal Ecology and Behavior.**—Individual research course. (½ *to 2 units*). Assistant Professor SHELFORD

[1] In 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*.

PART IV
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 248), conducts 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 subjects of stock-judging, milk-testing, farm mechanics, and farm crops. (Omitted in 1915 and 1916 on account of the "foot-and-mouth disease".)

(2) Agricultural-extension schools of a week's duration. About forty such schools were held in different parts of the State during 1915-16.

(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. 402-403.

CERAMIC ENGINEERING

In addition to the regular four-year technical curriculum, the department of ceramic enginering cooperates with the clay and allied industires by offering annually, at Urbana, during the second and third weeks in January, a two-weeks industrial course in the principles underlying the manufacture of clay 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. The course was omitted in 1916-17.

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, State Leader of County Advisers*
GEORGE NELSON COFFEY, Ph.D., *Assistant State Leader*
JAMES DATER BILSBORROW, B.S., *Assistant State Leader*
JAMES HENRY GREENE, M.S., *State Leader in Junior Extension*
HAROLD CLAYTON M CASE, B.S., *Assistant in Farm Management Demonstration*

Agronomy — *Department Specialists*

ELMER TYRON EBERSOL,[1] M.S.

Animal Husbandry

DANIEL OTIS BARTO, B.S.
WILLIAM HERSCHEL SMITH, M.S.

Dairy Husbandry

HARRISON A RUEHE, M.S.
ERNEST M CLARK, B.S.

Horticulture

BETHEL STEWART PICKETT, M.S.
ALFRED JOSEPH GUNDERSON, B.S.

County Advisers	*County*
William George Eckhardt, B.S.	DeKalb
John S Collier, M.S.	Kankakee
Roy C Bishop, B.S.	Livingston
Arthur J Gafke, B.S.	McHenry
Jerome Edward Readhimer, B.S.	Kane
Edward B Heaton, B.S.A.	Dupage
Ernest Thompson Robbins, B.S.	Tazewell
Frank Cravens Grannis, B.S.	Will
William E Hedgcock, B.S.	Peoria
Charles Hubert Oathout, B.S.	Champaign
Albert M TenEyck, M.S.	Winnebago
Lewis W Wise, B.S.	Iroquois
Charles Judson Mann, B.S.	Bureau
Ira Sanford Brooks, B.S.	LaSalle
Frank H Demaree, M.S.	Grundy
Earl W Rusk, B.S.	Adams
J H Lloyd,[2] B.S.	Hancock
David O Thompson, B.S.	McLean
Frank D Baldwin, B.S.	Mason
M L Mosher, M.S.	Woodford
I F Gillmor,[2] B.S.A.	Mercer
Leland Stanford Griffith, B.S.	Lee

[1] Resigned November 1, 1916.
[2] Employed locally as county adviser, but not on the Smith-Lever fund.

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.

A further cooperative relation has been established by the Department of Agriculture whereby the University undertakes to become jointly responsible for certain extension work which the department is conducting out of its own funds. This cooperative work consists of the following:

(1) Cooperation with county farm bureaus in the employment of agricultural advisers.

(2) Cooperation with local associations in home-economics demonstrations.

(3) Employment of extension specialists in agriculture and home economics as special advisers in the field.

(4) Cooperation with the United States Department of Agriculture in its extension activities:

a. In support of county advisory work.
b. In farm management demonstrations.
c. In junior extension.

Home Economics

ISABEL BEVIER, Ph.M., *Vice-Director of Home Economics Extension*
MAMIE BUNCH, A.B., *State Leader in Home Economics Demonstration*
OLIVE B PERCIVAL, B.S., *Assistant in Home Economics Demonstration*
FANNIE MARIA BROOKS, A.B., *Assistant in Home Economics Demonstration*
ANNE I GREEN, B.S., *Assistant in Home Economics Extension*
NAOMI OLIVE NEWBURN, A.B., *Assistant in Home Economics Extension*
FLOYD E FOGLE, *Assistant in Home Economics Demonstration*

The service in home economics may be classified as follows:

1. Correspondence.—Numerous requests come from individuals and clubs for help in solving some problem of preparing food, planning a house, feeding a child, or in preparing topics for club study. All such requests receive careful attentention. In 1915-16, 50,440 pieces of mail were sent out.

2. Service for Organizations.—This includes demonstrations and addresses before farmers' institutes, federated or local clubs, parents' and teachers' associations, the State Fair School, or other groups of people. In 1915-16, 149 such organizations were served, reaching 14,710 people.

3. The School for Housekeepers.—This is held annually, at Urbana, during the last two weeks in January. It offers instruction in food, clothing, and shelter, and provides an opportunity for the discussion of some of the fundamental problems of home life and management. The attendance has increased during the past seven years from 45 to 426. No fees are charged in connection with this school.

4. Movable Schools.—The department of household science will, in so far as possible, provide instruction on request for a movable school in any community which is sufficiently interested to pay the local expenses (hire of hall, etc.) and the traveling and living expenses for the week of one or two instructors. During the year 1915-16, sixty-one movable schools were held in the State, with an enrollment aggregating 17,649. Nineteen of these were two-instructor schools, and forty-two were one-instructor schools. Seventy-five counties were served through all these avenues.

5. Demonstration Car.—This car marks a new departure in demonstration work. Hitherto, demonstrations in Home Economics have been confined largely to the cooking of food. It is the purpose of this car to extend this method of presentation to power equipment and house furnishings; to show the machines, the kitchen utensils, and the color schemes, not just to talk about them.

In accordance with this idea, this car shows how power commonly used upon the farm may also be employed in performing a large part of the heavy labor of the home, thereby contributing to the health and comfort of the housekeeper; how to secure an adequate water supply for both the house and barn with the necessary provision for sewage disposal; and, finally, how, by attention to equipment and to the principles of form and color, the essentials of comfortable living may be secured for the country home at a reasonable cost.

The car and its equipment provide sufficient material for demonstration work for a week. The University pays the salaries of the demonstrators and furnishes the exhibit. The local committee is responsible for the following details:

I. Proper advertising of the car.

II. Arranging with local railroad as to the location of the car on a spur or switch where it will not be bumped and where it is readily accessible.

III. Securing a suitable hall for lectures and demonstrations that cannot be held in the car.

IV. Providing hard coal for the heater, gasoline for the engines, and janitor service.

V. Providing board, room, and comfortable living conditions for the demonstrators, whose hours of service are long and duties exacting.

VI. Mileage of the car.

Program for a Movable School with One Instructor

Monday	2:00—4:00	Lecture: Food and its functions. Exhibit showing relative values of foods.
Tuesday	2:00—4:00	Lecture: Foods containing nitrogen. Demonstration of milk, egg, cheese, or vegetable protein dishes.
Wednesday	2:00—4:00	Lecture: Meats and meat substitutes. Demonstration of various modes of preparation.
Thursday	2:00—4:00	Lecture: Carbohydrate foods. Demonstration of breads or cereals and starchy vegetables.
Friday	2:00—4:00	Lecture: Water and mineral salts in the diet. Demonstration of salads or a balanced meal.

Program for a Movable School with Two Instructors

Health and Home Problems

Monday	1:30	Domestic science in its various relations to the home.
	2:30	Demonstration: The bed room prepared for the sick.
Tuesday	10:00	Essentials in home decoration.
	11:00	First aid (for camp fire girls).
	1:30	Fabrics in their relation to home uses.
	2:30	Demonstration: Invalid cookery.
Wednesday	10:00	Home sanitation.
	11:00	Selection and care of clothing.
	1:30	First aid to mothers.
	2:30	Planning meals—Food values illustrated by charts and exhibits.
Thursday	10:00	Helpful devices for home care of the sick.
	11:00	Tissue building foods.
	1:30	Personal hygiene.
	2:30	Demonstration: Dishes rich in tissue builders.
Friday	10:00	Carbohydrates and fats in the diet.
	11:00	The dress, care, and feeding of infants.
	1:30	Demonstration of dishes supplying water and mineral salts to the diet.
	3:30	Health laws and state aids.

Single Lectures

Any one of the following list of subjects will be treated in a single lecture:

The care of food in the home.
The planning of meals.
The cost of living.
Infant foods and feeding.
Food for the child.
The composition and cooking of meals.
The use of vegetables as food.
The lunch basket.
Selection of textiles for the home.
Suggestions for home dressmaking—use of patterns.
Color and furnishing and their relation to interior decoration.
The well dressed woman.
Planning the farm house.
The bedroom and its furnishings.
The dining room and its appointments.
Household science and the home.
Essentials and non-essentials in good housekeeping.
How to improve our homes.
System in housekeeping.

PROGRAM OF DEMONSTRATION LECTURES WITH THE HOME ECONOMICS CAR, 1916-17

MONDAY

2:00- 4:00—Kitchen Equipment.....*Miss Percival*
The Gasoline Engine and Housework.....*Mr. Fogle*
7:30 —The Plan and Purpose of the Car (Illustrated).....*Miss Percival and Mr. Fogle*

TUESDAY

9:30-11:30—Selection of Utensils and Furnishings from the Standpoint of Ease in Caring for Them; Cleaning of Metals.....*Miss Percival*
The Hydro-pneumatic Water System; Tanks, Pumps and Piping.....*Mr. Fogle*
2:00 —The Service Part of the House: the Kitchen and Dining Room.....*Miss Percival*
7:30 —A Proper Water System and How to Use It in a Country Home.....*Mr. Fogle*

WEDNESDAY

9:30-11:30—Household Appliances; Advantages and Disadvantages.....*Miss Percival*
Septic Tanks; Chemical Sewage Disposal Systems; Sanitary Floor Finishes; Sanitary Walls; Costs and Comparisons.....*Mr. Fogle*
2:00 —The Bed Room and Its Furnishings: Color Schemes—Walls, Floors; Windows—Screens, Draperies; Beds—Springs, Covers, Mattress.....*Miss Percival*
7:30 —Sanitation of the Home Yard: Sewage Disposal; Septic Tanks.....*Mr. Fogle*

THURSDAY

9:30-11:30—The Saving of Energy, Time, and Money in the Selection of Clothes and Household Linens. Laundry Problems; Removal of Stains.....*Miss Percival*
Lighting Systems: Types of Kerosene, Gasolene, Blau Gas, Acetylene, and Electric Lights.....*Mr. Fogle*
2:00 —The Living Room and Its Appointments: Color Schemes; Furniture and Rugs; Library; Music.....*Miss Percival*
7:30 —Heat, Light, and Ventilation for the Farm Home.....*Mr. Fogle*

FRIDAY

9:30-11:30—The Business of Housekeeping; System in Housework.....*Miss Percival*
Methods of Fly Prevention. Helps in Cleaning: Vacuum Cleaner; Carpet Sweeper; Washing Machine; Ironing Machine.....*Mr. Fogle*
2:00 —The Planning of Meals.....*Miss Percival*
7:30 —The Household Power Plant.....*Mr. Fogle*

PART V
EXPERIMENT STATIONS AND OTHER SCIENTIFIC BUREAUS

THE AGRICULTURAL EXPERIMENT STATION

EDMUND JANES JAMES, Ph.D., LL.D., PRESIDENT OF THE UNIVERSITY

STAFF[1]

EUGENE DAVENPORT, M.Agr., LL.D., *Director*
CYRIL GEORGE HOPKINS, Ph.D., *Vice-Director*
THOMAS JONATHAN BURRILL,[2] Ph.D., LL.D., *Professor of Botany*, Emeritus
STEPHEN ALFRED FORBES, Ph.D., *Consulting Entomologist*
HENRY LEWIS RIETZ, Ph.D., *Statistician*
ANNA CUSHMAN GLOVER, *Secretary*
FLORENCE E SMITH, *Editorial Assistant*

In Agronomy

CYRIL GEORGE HOPKINS, Ph.D., *Chief, Agronomy and Chemistry*
JEREMIAH GEORGE MOSIER, B.S., *Chief, Soil Physics*
LOUIE HENRIE SMITH, Ph.D., *Chief, Plant Breeding*
ROBERT STEWART, Ph.D., *Associate Chief, Soil Fertility*
WILLIAM LEONIDAS BURLISON, Ph.D., *Associate Chief, Crop Production*
AXEL FERDINAND GUSTAFSON, M.S., *Assistant Chief, Soil Physics*
ERNEST VAN ALSTINE, B.S., *Assistant Chief, Soils Laboratory*
JOSEPH PAUL AUMER, B.S., *Associate, Soil Analysis*
FREDERICK CHARLES BAUER, B.S., *Associate, Soil Fertility*
WALTER BYRON GERNERT, Ph.D., *Associate, Plant Breeding*
SIDNEY VIEL HOLT, B.S., *Associate, Soil Physics*
HENRY CLYDE WHEELER, B.S., *Associate, Soil Physics*
JOHN EZRA WHITCHURCH, B.S., *Associate, Soil Fertility*
ALBERT LEMUEL WHITING, Ph.D., *Associate, Soil Biology*
WILBUR ROY LEIGHTY, B.S., *First Assistant, Soil Analysis*
FRANK WILLIAM GARRETT, B.S., *First Assistant, Soil Fertility*
FREDERICK MARTIN WILLIAM WASCHER, B.S., *First Assistant Soil Physics*
FORREST ADDISON FISHER, B.S., *First Assistant, Soil Physics*
ORR MILTON ALLYN,[3] B.S., *First Assistant, Crop Production*
EDWARD HARVEY WALWORTH, B.S., *First Assistant, Crop Production*
HOWARD JOHN SNIDER, B.S., *First Assistant, Soil Fertility*
WARREN RIPPEY SCHOONOVER, B.S., *First Assistant, Soil Biology*
HARRY CHARLES GILKERSON, B.S., *First Assistant, Soil Fertility*
GEORGE EDWARD GENTLE, B.S., *First Assistant, Soil Physics*
HARRISON FRED THEODORE FAHRNKOPF, B.S., *First Assistant, Soil Fertility*
ORLAND I ELLIS, B.S., *First Assistant, Soil Physics*
ROBERT WILLIAM DICKENSON, B.S., *First Assistant, Soil Physics*
CLINTON B CLEVENGER, M.S., *First Assistant, Soil Analysis*
FRANK ARCHIBALD WYATT, Ph.D., *First Assistant, Soil Fertility*
ARTHUR MAXWELL BRUNSON, B.S., *First Assistant, Plant Breeding*
EDWARD FRITCHOFF TORGERSON, B.S., *Assistant, Soil Physics*

[1] The Station Staff includes only those scientific workers who have been recommended by the President and appointed by the Board of Trustees.
[2] Deceased April 14, 1916.
[3] Resigned.

HENRY AUGUST DE WERFF, B.S., *Assistant, Soil Physics*
ALFRED THORPE MORISON, B.S., *Assistant, Crop Production*
WASHINGTON IRVING BROCKSON, M.S., *Assistant, Crop Production*
CLYDE MAURICE LINSLEY, B.S., *Assistant, Soil Fertility*
EVERETT E GLICK, B.S., *Assistant, Soil Fertility*
CHARLES THURMAN HUFFORD, B.S., *Assistant, Soil Physics*

In Animal Husbandry

HERBERT WINDSOR MUMFORD, B.S., *Chief, Animal Husbandry*
HARRY SANDS GRINDLEY, D.Sc., *Chief, Animal Nutrition*
WALTER CASTELLA COFFEY, M.S., *Chief, Sheep Husbandry*
HENRY PERLY RUSK, M.S., *Assistant Chief, Cattle Husbandry*
JAMES LLOYD EDMONDS, B.S., *Assistant Chief, Horse Husbandry*
JOHN A DETLEFSEN, D.Sc., *Assistant Chief, Genetics*
WALTER FREDERICK HANDSCHIN, B.S., *Assistant Chief, Farm Organization and Management*
SLEETER BULL, M.S., *Associate, Animal Nutrition*
HAROLD HANSON MITCHELL, Ph.D., *Associate, Animal Nutrition*
WILLIAM HERSCHEL SMITH, M.S., *Associate, Animal Husbandry Extension*
ELMER ROBERTS, B.S., *First Assistant, Genetics*
WILBUR JEROME CARMICHAEL, M.S., *First Assistant, Animal Husbandry*
CHARLES IVAN NEWLIN, M.S., *First Assistant, Animal Husbandry*
JAMES BURTON ANDREWS, B.S., *First Assistant, Animal Husbandry*
ROSCOE RAYMOND SNAPP, B.S., *First Assistant, Animal Husbandry*
CLAUDE HARPER, B.S., *Assistant, Animal Husbandry*
JAMES WILBUR WHISENAND, M.S., *Assistant, Animal Husbandry*
MARY HELEN KEITH,B.S., A.M., *Assistant, Animal Nutrition*
EARL KIRKWOOD AUGUSTUS, B.S., *Assistant, Animal Husbandry*
ROY HAROLD WILCOX, B.S., *Assistant, Animal Husbandry*
MAYNARD ELMER SLATER, B.S., *Assistant, Animal Nutrition*
JOHN BENJAMIN RICE, B.S., *Assistant, Animal Husbandry*
LAWRENCE EMERSON THORNE, B.S., *Assistant, Agricultural Statistics and Genetics*
WILLIAM GARFIELD KAMMLADE, B.S., *Assistant, Animal Husbandry*
JOHN CARL ROSS,[1] Ph.D., *Assistant, Animal Nutrition*
HENRY CARL ECKSTEIN, B.S., *Assistant, Animal Nutrition*

In Dairy Husbandry

HARRY ALEXIS HARDING, Ph.D., *Chief, Dairy Bacteriology*
NELSON WILLIAM HEPBURN, M.S., *Assistant Chief, Dairy Manufactures*
MARTIN JOHN PRUCHA, Ph.D., *Assistant Chief, Dairy Bacteriology*
RAY STILLMAN HULCE, M.S., *Associate, Milk Production*
EDWARD FREDERICK KOHMANN, Ph.D., *Associate, Dairy Chemistry*
FRANK ASHMORE PEARSON, B.S.A., *First Assistant, Dairy Husbandry*
HARRY MONTGOMERY WEETER, A.B., *Assistant, Dairy Husbandry*
WILLIAM BARBOUR NEVENS, B.S., *Assistant, Dairy Husbandry*
FRANK TURNER, B.S., *Assistant, Dairy Husbandry*
PAUL WILLIAM ALLEN, M.S., *First Assistant, Dairy Bacteriology*
HAROLD KIRK RULISON, B.S., *Assistant, Dairy Husbandry*
WILLIAM HAROLD CHAMBERS, B.S., *Assistant, Dairy Bacteriology*
LEIGHTON J TRUE, B.S., *Assistant, Dairy Manufactures*
CHRIS SIMEON RHODE, B.S., *Assistant, Dairy Husbandry*
RUSSELL STARKEY BRACEWELL, A.B., *Assistant, Dairy Chemistry*

[1]Resigned, November 1, 1916

In Horticulture

JOSEPH CULLEN BLAIR, M.S., *Chief, Horticulture*
JOHN WILLIAM LLOYD,[1] M.S., *Chief, Olericulture*
CHARLES SPENCER CRANDALL, M.S., *Chief, Plant Breeding*
HERMAN BERNARD DORNER, M.S., *Assistant Chief, Floriculture*
BETHEL STEWART PICKETT, M.S., *Assistant Chief, Pomology*
ERNEST WINFIELD BAILEY, M.S., *Assistant Chief, Plant Breeding*
WARREN ALBERT RUTH, A.M., *Associate, Horticultural Chemistry*
CHARLES ELMER DURST, M.S., *Associate, Olericulture*
SIMEON JAMES BOLE, A.M., *Associate, Pomology*
FRED WEAVER MUNCIE, Ph.D., *Associate, Floricultural Chemistry*
ALFRED JOSEPH GUNDERSON, B.S., *First Assistant, Pomology*
WILLIAM SANFORD BROCK, B.S., A.B., *First Assistant, Pomology*
DUANE TAYLOR ENGLIS, Ph.D., *First Assistant, Floricultural Chemistry*
ERNEST MICHAEL RUDOLPH LAMKEY, Ph.D., *First Assistant, Floricultural Pathology*
JAMES HUTCHINSON, *Assistant, Floriculture*
HOWARD DEXTER BROWN, B.S., *Assistant, Olericulture*
AUGUST GEORGE HECHT, B.S., *Assistant, Floriculture*
EDWARD GEORGE LAUTERBACH, B.S., *Assistant, Floricultural Pathology*
HOWARD RUSSEL STANFORD, B.S., *Assistant, Plant Breeding*
JULIA ALBERTA HARPER, A.B., *Editorial Assistant*

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 wholly 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.

[1] Absent on leave.

THE ENGINEERING EXPERIMENT STATION

EDMUND JANES JAMES, Ph.D., LL.D., PRESIDENT

STAFF

WILLIAM FREEMAN MYRICK GOSS, M.S., D.Eng., *Director*
CLARENCE STANLEY SALE, B.S., *Assistant to the Director*
THE HEADS OF THE DEPARTMENTS OF THE COLLEGE OF ENGINEERING

Special Investigators

HERBERT FISHER MOORE, M.M.E., *Research Professor of Engineering Materials in the Department of Theoretical and Applied Mechanics*
SAMUEL WILSON PARR, M.S., *Professor of Applied Chemistry in the Department of Chemistry*
WILLIS APPLEFORD SLATER, M.S., C.E., *Research Assistant Professor of Applied Mechanics in the Department of Theoretical and Applied Mechanics*
CLINTON MASON YOUNG, B.S., E.M., *Assistant Professor of Mining Research in the Department of Mining Engineering*
ALONZO PLUMSTED KRATZ, M.S., *Research Associate in the Department of Mechanical Engineering*
HARRISON FREDERICK GONNERMAN, M.S., *Research Assistant in the Department of Theoretical and Applied Mechanics*
LEROY ALONZO WILSON, M.E., M.M.E., *Research Assistant in the Department of Mechanical Engineering*
OTTO STERNOFF BEYER, Jr., M.E., *Research Assistant in the Department of Railway Engineering*
HAROLD HOUGHTON DUNN, M.S., *Research Assistant in the Department of Railway Engineering*
WALTER ARTHUR GATWARD, M.S., *Research Assistant in the Department of Electrical Engineering*

Research Fellows

HARRY RHEINHARDT FRITZ, E.E., *Electrical Engineering*
LOUIS J LARSON, B.S., C.E., *Theoretical and Applied Mechanics*
BENITO RENE ORDONEZ, B.S., *Railway Engineering*
STETFAN FUJITA TANABE, B.S., M.S., *Physics*
RICHARD LAURENCE TEMPLIN, B.S., *Theoretical and Applied Mechhnics*
CAMILLO WEISS, Graduate of Kaiserl. Koenigl. Technische Hochschule, Vienna, *Civil Engineering*
ERNEST EDWARD CHARLTON, B.A., M.S., *Chemistry*
RAY STUART QUICK, B.S., *Electrical Engineering*
BERNARD PEPINSKY, C.E., *Theoretical and Applied Mechanics*
EDWARD ALEXANDER ROBERTS, B.S., *Railway Engineering*
HAROLD PARSONS VAIL, B.S., *Mechanical Engineering*
FREDERIC PAUL STRAUCH, B.S., *Mechanical Engineering*

The Engineering Experiment Station was established by action of the Board of Trustees, December 8, 1903. Its purposes are the stimulation and elevation

of engineering education, and the study of problems of special importance to professional engineers, and to the manufacturing, railway, mining, and industrial interests of the State and the country.

The control of the Station is vested in the heads of the several departments of the College of Engineering. These constitute the Station Staff, and, with the Director, determine the character and extent of the investigations to be undertaken.

Up to the present time ninety bulletins of value to engineering science have been published. The experiments have related chiefly to tests of high-speed tool steels; the resistance of tubes to collapse; the holding power of railroad spikes; the effect of scale on heat transmission; roof trusses; base and bearing plates in columns and beams; stresses in chain links; extensions of the Dewey decimal system of classification; tests of electric lamps; lighting country homes by private electric plants; street lighting; high steam pressures in locomotive service; rate of formation of carbon monoxide in gas producers; fuel tests; the weathering of coal and the spontaneous combustion of coal; thermal conductivity of fireclay; heat transmissions; freight train resistance; tests of a suction gas producer; tests of concrete; reinforced concrete beams and columns; tests of cast-iron and reinforced concrete culvert pipe; tests of brick columns and terra cotta block columns; tests of timber beams; tests of built-up columns under load; tests to determine the resistance to flow through locomotive water columns; tests of nickel-steel riveted joints; strength of rolled zinc; inductance of coils; mechanical stresses in transmission lines; starting currents of transformers; superheated steam in locomotive service; a new analysis of the cylinder performance of reciprocating engines; effects of cold weather upon train resistance and tonnage rating; coking of coal at low temperatures; characteristics and limitations of the series transformer; electron theory of magnetism; entropy-temperature and transmission diagrams for air; tests of reinforced concrete buildings under load; the steam consumption of locomotive engines from indicator diagrams; properties of saturated and super-heated ammonia vapor; reinforced concrete wall footings and column footings; strength of I-beams in flexture; coal washing in Illinois; mortar-making qualities of Illinois sands; bond between concrete and steel; magnetic and other properties of electrolytic iron melted in vacuo; acoustics of auditoriums; tractive resistance of a 28-ton electric car; thermal properties of steam; analysis of coal with phenol as solvent; the effect of boron upon the magnetic and other properties of electrolytic iron melted in vacuo; a study of boiler losses; the coking of coal at low temperatures with special reference to the properties and composition of the products; wind stresses in the steel frames of office buildings; influence of temperature on the strength of concrete; laboratory tests of a consolidation locomotive; magnetic and other properties of iron-silicon alloys melted in vacuo; tests of reinforced concrete flat slab structures; strength and stiffness of steel under biaxial loading; the strength of I-beams and girders; correction of echoes in the Auditorium, University of Illinois; dry preparation of bituminous coal at Illinois mines; specific gravity studies of Illinois coals; and graphical methods in electric motor car calculations.

THE STATE LABORATORY OF NATURAL HISTORY

EDMUND JANES JAMES, Ph.D., LL.D., PRESIDENT

STAFF

STEPHEN ALFRED FORBES, Ph.D., LL.D., *Director*
CHARLES ARTHUR HART, *Systematic Entomologist*
ROBERT EARL RICHARDSON, A.M., *Biologist in charge of Biological Station*
VICTOR ERNEST SHELFORD, Ph.D., *Biologist in charge of Research Laboratories*
MARY JANE SNYDER, *Secretary*
CHARLES EDWIN JANVRIN, Ph.B., B.L.S., *Librarian*

In 1885 the General Assembly passed an act transferring the *State Laboratory of Natural History* from the Illinois State Normal University to the University of Illinois. This laboratory was created for the purpose of making a natural history survey of the State, the results of which should be published in a series of bulletins and reports; and for the allied purpose of furnishing specimens illustrative of the flora and fauna of the State to the public schools and to the State museum. For these purposes direct appropriations are made by the legislature from session to session. Material of all classes has been collected in all parts of the State, field observations and experiments have been conducted, extending over many years, and fifteen volumes have been published in the form of bulletins and final reports.

The most important problem upon which the work of the survey is at present concentrated is the effect of drainage operations, sewage contaminations, and other results of industrial occupancy upon the general system of life in our principal rivers.

THE STATE ENTOMOLOGIST'S OFFICE

STAFF

STEPHEN ALFRED FORBES, Ph.D., LL.D., *State Entomologist*
CHARLES ARTHUR HART, *Systematic Entomologist*
WESLEY PILLSBURY FLINT, *Assistant for Central Illinois*
LINDLEY MALCOLM SMITH, B.S., *Assistant for Southern Illinois*
DAVID KENT MACMILLAN, B.S., *Assistant for Northern Illinois*
PRESSLEY ADAMS GLENN, A.M., *Chief Horticultural Inspector*
JOHN RUSSELL MALLOCH, *Illustrator and Custodian*

The work of the *State Entomologist's Office* has been done at the University of Illinois since January, 1885; by legislative enactment in 1899 it was permanently established at the University, the Trustees of which are required by that act to provide for the Entomologist and his assistants such office and laboratory rooms as may be necessary to the performance of their duties.

It is the duty of this officer to investigate all insects dangerous to any valuable property or dangerous to the public health, and to conduct experiments for the control of injury to persons or property by insects, publishing the results of his researches biennially in his official report. He is required also to inspect and certify annually all Illinois nurseries and all importations of nursery stock, and to maintain a general supervision of the horticultural property of the State with respect to its infestation by dangerous insects and its infection with contagious plant disease.

Twenty-nine reports have now been published by the Entomologist, fifteen of them since the transfer of his office to the University.

THE STATE WATER SURVEY

EDMUND JANES JAMES, Ph.D., LL.D., PRESIDENT

STAFF

EDWARD BARTOW, Ph.D., *Director*
SAMUEL WILSON PARR, M.S., *Consulting Chemist*
ARTHUR NEWELL TALBOT, C.E., *Consulting Engineer*
GEORGE CONRAD HABERMEYER, B.S., *Engineer*
FLOYD WILLIAM MOHLMAN,[1] Ph.D., *Chemist and Bacteriologist*
HARRY FOSTER FERGUSON, B.S., *Assistant Engineer*
JOHN FRANCIS SCHNELLBACH, B.S., *Assistant Engineer*
ARTHUR NORTON BENNETT, M.S., *Assistant Chemist*
WILLIAM DURRELL HATFIELD, M.S., *Assistant Bacteriologist*
FRIEND LEE MICKLE, A.B., *Assistant Chemist*
MADELINE BINBY, B.S., *Assistant Chemist*
EDMAN GREENFIELD, A.M., *Assistant Bacteriologist*
SIDNEY DALE KIRKPATRICK, B.S., *Assistant Chemist*
OTTO M SMITH, B.S., *Assistant Chemist*
HENRY RHODES LEE, M.S., *Summer Assistant, 1916*
PERCY WRIGHT OTT, *Summer Assistant, 1916*
WILBUR FRED KAMM, B.S., *Summer Assistant, 1916*

A chemical survey of the waters of the State was begun 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, authorizing it to employ field men to inspect water supplies and watersheds, and to make, free of charge, sanitary examinations of water for citizens of Illinois. The Survey has collected data concerning the most of the water supplies and sewerage systems, and many watersheds, making chemical and bacteriological examinations to demonstrate the sanitary condition of water supplies and streams, and to determine standards of purity for drinking waters. The survey advises municipal authorities how best to obtain and conserve an adequate supply of pure water for domestic and manufacturing purposes. In 1915 a small appropriation was made for the establishment and maintenance of a sewage-experiment station.

The Survey is a division of the department of chemistry of the University of Illinois. Offices and special laboratories are equipped in the Chemistry Building for conducting the work.

[1] Resigned.

THE STATE GEOLOGICAL SURVEY

COMMISSION

GOVERNOR FRANK O. LOWDEN, *Chairman*
PROFESSOR T. C. CHAMBERLIN, Ph.D., D.Sc., LL.D., *Vice-Chairman*
PRESIDENT EDMUND JANES JAMES, Ph.D., LL.D., *Secretary*

STAFF

FRANK WALBRIDGE DEWOLF, B.S., *Director*, Urbana
EDWARD BARTOW, Ph.D., *Consulting Chemist in Water Analysis*, University of Illinois, Urbana
ULYSSES SHERMAN GRANT, Ph.D., *Consulting Geologist in Lead and Zinc Studies*, Northwestern University, Evanston
SAMUEL WILSON PARR, M.S., *Consulting Chemist in Coal Investigations*, University of Illinois, Urbana
ROLLIN D SALISBURY, A.M., LL.D., *Consulting Geologist in Preparation of Educational Series*, University of Chicago, Chicago
FRED HALL KAY, B.S., *Assistant State Geologist*, Urbana
THOMAS EDMUND SAVAGE, Ph.D., *Geologist*, University of Illinois, Urbana
STUART WELLER, Ph.D., *Geologist*, University of Chicago, Chicago
GILBERT H CADY, A.M., *Geologist*, Urbana
ALBERT D BROKAW, Ph.D., *Geologist*, University of Chicago, Chicago
STUART ST. CLAIR, M.S., *Geologist*, Urbana
HELEN JEANNE SKEWES, A.B., *Assistant Geologist*, Urbana
E WESLEY SHAW, B.S., *Assistant Geologist in Cooperative Surveys*, Urbana, Ill., and Washington, D. C.
CHARLES BUTTS, M.S., *Assistant Geologist in Cooperative Surveys*, Urbana, Ill., and Washington, D. C.
WILLIAM G GWYNN, *Engineering Draftsman*, Urbana
JUSTA M LINDGREN, A.M., *Chemist*, Urbana
GLENN S SMITH, B.S., *Geographer in charge of Topographical Surveys in Illinois*, Urbana, Ill., and Washington, D. C.

The Forty-fourth General Assembly passed an act, in force July 1, 1905, providing for the establishment at the University of Illinois of the *State Geological Survey*. The Survey is under the control of a Commission, of which the President of the University is an *ex officio* member.

The purpose of the Survey is primarily the study and exploration of the mineral resources of Illinois. Field parties are organized for the investigation of oil, clay, coal, stone, artesian water, cement materials, and road materials, and for general scientific investigations. The Survey is charged also with the duty of making a complete topographical and geological survey of the State. Topographical and geological surveys are now being carried on in cooperation with the United States Geological Survey. These will lead to the publication of a series of bulletins and maps, eventually covering the entire State.

The Forty-fifth General Assembly further charged the Commission with the duty of making surveys and studies of lands subject to overflow, with a view to

their reclamation. Work has been carried on in cooperation with the Rivers and Lakes Commission, the United States Geological Survey, and the United States Department of Agriculture, along the Sangamon, Kaskaskia, Big Muddy, Little Wabash, Embarrass, Spoon, Pecatonica, and Saline rivers. Reports have been issued on the Little Wabash, Kaskaskia, Spoon, and Embarrass.

The laboratory work is done in connection with various department laboratories of the University. The equipment includes a working library, maps, and a growing collection, illustrating the geological and the economical resources of the State. Thirty-five bulletins, a monograph, and a large number of maps have been published. Many temporary assistants besides the regular corps are employed each summer.

Under an agreement between the State Geological Survey and the Engineering Experiment Station on the one hand, and the United States Bureau of Mines on the other, a branch station has been located at Urbana for a cooperative investigation of the Illinois coal mining industry. The Forty-seventh General Assembly made appropriations to carry on the work for two years, and the Forty-eighth and Forty-ninth General Assemblies repeated the appropriations for equal periods. See page 420.

THE BOARD OF EXAMINERS IN ACCOUNTANCY

EDMUND JANES JAMES, Ph.D., LL.D., PRESIDENT

BOARD OF EXAMINERS

JAMES HALL, C.P.A., *Chairman*, Chicago
CLARENCE MARTIN DELANY, A.B., C.P.A., *Secretary*, Chicago
NATHAN WILLIAM MACCHESNEY, A.B., LL.B., Chicago

UNIVERSITY COMMITTEE

DAVID KINLEY, Ph.D., LL.D., *Chairman*
CHARLES MAXWELL MCCONN, A.M., *Secretary*
EDWARD HARRIS DECKER, A.B., 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 have 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.

CO-OPERATIVE INVESTIGATION OF ILLINOIS COAL PROBLEMS

EDMUND JANES JAMES, Ph.D., LL.D., PRESIDENT

STAFF

Engineering Experiment Station

WILLIAM FREEMAN MYRICK GOSS, M.S., D.Eng., *Director*
HARRY HARKNESS STOEK, B.S., E.M., *Professor of Mining Engineering*
CLINTON MASON YOUNG, B.S., E.M., *Assistant Professor of Mining Research*
SPECIAL MINING ENGINEERS AND FIELD SAMPLERS

State Geological Survey

FRANK WALBRIDGE DEWOLF, B.S., *Director*
FRED HALL KAY, B.S., *Assistant State Geologist*
GILBERT HAVEN CADY, A.B., M.S., *Geologist*
THOMAS EDMUND SAVAGE, M.S., Ph.D., *Geologist*
WALTER STEPHEN NELSON, *Engineer*

United States Bureau of Mines

VAN H MANNING, A.B., *Director*, Washington, D. C.
GEORGE S RICE, E.M., *Chief Mining Engineer*, Washington, D. C.
HOWARD IRA SMITH, B.S.(Min.), *District Mining Engineer*, Urbana, Ill.
JAMES RUSSELL FLEMING, E.M., *Assistant Mining Engineer*, Urbana, Ill.
FRANK K OVITZ, B.S., *Assistant Chemist*, Urbana, Ill.

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 in the investigation of some of the problems connected with the mining of coal in the State of Illinois, under authority granted by the Forty-seventh General Assembly.

This cooperative work is constructive as well as statistical, based upon accurate data and taking account of all existing conditions, to enable the operators and miners of the State to produce coal more safely, more cheaply, and with less waste.

A staff of trained mining engineers, geologists, and chemists has been placed at the disposal of the coal industry of Illinois.

PART VI
LIST OF STUDENTS, ETC.
(1916—1917)

LIST OF STUDENTS, 1916-17

THE GRADUATE SCHOOL

Adler, Leon—Chemistry				
Work for B.S. completed, 1917			†	*St. Louis, Missouri*
Akers, Miriam Cynthia—Scholar in Latin				
A.B.[1] (*Illinois College*) 1916		*	†	*St. Louis, Missouri*
Albrecht, William Albert—Agronomy				
A.B., B.S., M.S., 1911, 1914, 1915	SS[2]			*Flanagan*
Alexander, John Alva—Education				
A.B., 1916	SS			*Amorita, Oklahoma*
Allen, Louis—French				
A.B., A.M., 1913, 1915		*	†	*Clinton*
Allen, Lucille Marie—History				
A.B. (*Miama Univ.*) 1916		*	†	*Urbana*
Allen, Otho William—French				
A.B., A.M., 1915, 1916		*	†	*Clinton*
Allen, Paul William—Dairy Bacteriology				
B.S. (*St. Lawrence Univ.*) 1910				
M.S. (*Cornell Univ.*) 1914	SS	*	†	*Urbana*
Allison, Worth Arthur—Scholar in Animal Husbandry				
B.S., A.B., 1916		*	†	*Clarleston*
d'Amato, Orlando—Romance Languages				
A.B. (*Columbia Univ.*) 1915		*	†	*Los Angeles, California*
Amos, Douglas Jacques—Dairy Husbandry				
B.S., 1916		*	†	*Cairo*
Amsterdam, Harry—Philosophy				
A.B. (*Lake Forest Coll.*) 1915				
A.M., 1916		*	†	*Zeludok, Vilno, Russia*
Anderson, Harry Warren—Botany				
A.M. (*Washington Univ.*) 1910	SS	*	†	*Crawfordsville, Indiana*
Andrews, Harry Lee—Zoology				
A.B., 1916	SS			*Washburn*
Andrews, James Burton—Animal Husbandry				
B.S., 1913		*	†	*Urbana*
Atwell, Clarence Allen—Electrical Engineering				
B.S. (*Univ. of Nebraska*) 1914		*	†	*Urbana*
Augustus, Earl Kirkwood—Animal Husbandry				
B.S., 1914		*		*Urbana*
Austin, Miner Manley—Chemistry				
A.B. (*Lawrence Coll.*) 1916		*	†	*Waterloo, Wisconsin*
Babbitt, Harold Eaton—Municipal and Sanitary Engineering				
B.S. (*Massachusetts Inst. of Tech.*) 1911	SS	*	†	*Urbana*
Bach y Rita, Pedro—Spanish				
Master Superior (*Superior Normal, Barcelona, Spain*)	SS	*	†	*Barcelona, Spain*
Bagley, Glen David[3]—Electrical Engineering				
B.S., M.S., 1912, 1913				*Pittsburgh, Pennsylvania*
Bailey, Ernest Winfield—Genetics				
B.S. (*Massachusetts Agr. Coll.*) 1908				
M.S., 1909	SS	*	†	*Worcester, Massachusetts*
Baldwin, Francis Marsh—Zoology				
A.B., A.M.(*Clark Coll.*) 1906, 1907	SS	*	†	*Champaign*
Ballantine, Mary Frances—Sociology				
A.B. (*Wellesley Coll.*) 1914		*		*Springfield, Massachusetts*
Ballew, Margaret Esther—English				
A.B. (*Hedding Coll.*) 1909				
A.M., 1910		*	†	*Lexington*
Barnes, Mildred—English				
A.B. (*Vassar Coll.*) 1912		*	†	*Lansing, Michigan*
Barnes, Otis Avery—Chemistry				
B.S., 1916		*	†	*Auburn*
Bauer, Frederick Charles—Agronomy				
B.S., 1909		*	†	*Champaign*
Bayley, Paul Lavern—Experimental Physics				
A.B. (*Univ. of Arkansas*) 1913				
A.M., 1914	SS	*	†	*Ft. Smith, Arkansas*
Beach, Amy Adaline—Latin				
A.B., 1914	SS			*Antwerp, New York*
Beach, Walter Spurgeon—Plant Pathology				
B.S. (*Minnesota Coll. of Agr.*) 1914				
M.S. (*Michigan Agr. Coll.*) 1915	SS	*	†	*Hutchinson, Minnesota*

[1]Degrees were conferred by the University of Illinois unless otherwise specified. Two degrees from the same institution are indicated thus: A.B., A.M., 1909, 1911.

[2]Attendance during the Summer Session of 1916 is indicated by SS; during the first and second semesters of 1916-17 by the asterisk (*) and the dagger (†) respectively in the columns next the home address.

[3]Candidate for professional degree in engineering.

Beattie, Harry James—Inorganic Analytical Chemistry A.B., A.M. (*Univ. of Denver*) 1914, 1915		* †	*Denver, Colorado*
Beatty, Albert James—Education B.S. (*N. Illinois Normal School*) 1894 A.B. (*Knox Coll.*) 1900 A.M., 1915	SS	* †	*Urbana*
Beck, Clyde Byron—English A.B. (*Earlham Coll.*) 1906 A.M., 1916		* †	*Richmond, Indiana*
Bedient, Ethel Louise—Scholar in Economics A.B. (*Albion Coll.*) 1916		* †	*Albion, Michigan*
Beekley, John Sherman—Mathematics A.B. (*Miami Univ.*) 1915		* †	*West Chester, Ohio*
Belting, Paul Everett—Education A.B., 1912	SS		*Illiopolis*
Bennett, Arthur Norton—Sanitary Chemistry B.S., M.S., 1907, 1915		* †	*Lawrence, Michigan*
Bentley, Rufus Clarence—Education A.B., A.M. (*Univ. of Nebraska*) 1894, 1896		* †	*Urbana*
Berninger, Harriett Josephine—Education A.B., 1915		* †	*Mt. Carmel*
Biegler, Philip Sheridan—Electrical Engineering B.S. (*Univ. of Wisconsin*) 1905		* †	*Urbana*
Bissell, Don Warren—Organic Chemistry B.S. (*New Hampshire Coll.*) 1914 M.S., 1916		*	*Keene, New Hampshire*
Bixby, Madeleine—Chemistry B.S. (*Tufts Coll.*) 1916	SS	* †	*North Andover, Massachusetts*
Black, Howard Benjamin—Education B.S. (*Baldwin Univ.*) 1911	SS		*Massillon, Ohio*
Bodfish, Elisabeth—Scholar in Zoology Ph.B. (*Brown Univ.*) 1914		* †	*Palmer, Massachusetts*
Boehmer, Florence Elsie—Education A.B. (*Drury Coll.*) 1912	SS	†	*Springfield, Misscuri*
Bogart, Mrs. Stella—Italian A.B. (*Oberlin Coll.*) 1901		*	*Urbana*
Bole, Simeon James—Horticulture A.B. (*Univ. of Michigan*) 1906 A.M., 1912		* †	*Champaign*
Booth, Harry Tyler—Physics B.S. (*Carleton Coll.*) 1915 M.S., 1916		* †	*Lake City, Minnesota*
Borden, Raymond Franklin—Mathematics Ph.D., A.M. (*Brown Univ.*) 1914, 1915		* †	*Aquidneck, Rhode Island*
Boughton, Thomas Harris[1]—Pathology M. S. (*Univ. of Chicago*) 1904 M.D. (*Rush Medical Coll.*) 1906	SS	* †	*Evanston*
Boyle, Cecil Wayne—Chemistry A.B. (*Purdue Univ.*) 1910	SS	* †	*Evanston*
Bracewell, Ray Herman—Education B.S. (*Illinois Coll.*) 1915	SS		*Lerna*
Bracewell, Russell Starkey—Chemistry A.B. (*Univ. of Kansas*) 1916		* †	*Urbana*
Braham, Joseph Marvin—Physical Chemistry B.S. (*Univ. of Idaho*) 1914 M.S., 1915		* †	*Spokane, Washington*
Braley, Silas Alonzo—Fellow in Analytical Inorganic Chemistry A.B. (*Morningside Coll.*) 1913 M.S., 1915	SS	* †	*Urbana*
Brede, Elfrieda—Latin A.B. (*McKendree Coll.*) 1912	SS		*Collinsville*
Bredvold, Louis Ignatius—English Literature A.B., A.M.(*Univ. of Minnesota*) 1909, 1910		* †	*Urbana*
Brewbaker, Charles Earl—Education A.B. (*McKendree Coll.*) 1914	SS		*Altamont*
Brock, William Sanford—Horticulture A.B. (*Waynesville Coll.*) 1910 B.S., 1915		* †	*Urbana*
Brockson, Washington Irving—Agronomy B.S. (*Delaware State Coll., Newark*) 1915 M.S. (*Iowa State Coll.*) 1916		* †	*Middletown, Delaware*
Brooks, Frances—Economics A.B., 1914		†	*Urbana*
Brown, Howard Dexter—Horticulture B.S., 1914	SS	* †	*Urbana*
Brown, Hugh Alexander[2]—Electrical Engineering B.S., 1911			*Fayetteville, Arkansas*
Brown, John Bernis—Organic Analysis B.S., 1915		* †	*Rock Falls*
Brown, Pembroke Holcomb—Economics A.B., 1915		* †	*Champaign*
Brunson, Arthur Maxwell—Agronomy B.S., 1913		* †	*Champaign*

[1]In Graduate Courses in Medical Sciences, offered in Chicago, Summer Session, 1916.
[2]Candidate for professional degree in engineering.

Brush, Elizabeth Parnham—History
A.B. (*Smith Coll.*) 1909
A.M., 1912 * † *Boulder, Colorado*
Bryant, William Thoreau—Industrial Chemistry
B.S. (*Texas A. & M. Coll.*) 1911 * † *Bryan, Texas*
Buck, Alonzo Morris[1]—Electrical Engineering
M.E. (*Sibley Coll.*) 1904 *Urbana*
Bunting, Herbert Robins—Chemistry
A.B., B.S. (*Univ. of Nebraska*) 1914, 1916 * † *Lincoln, Nebraska*
Burlison, William Leonidas—Botany
B.S. (*Oklahoma Agricultural and Mechanical College*) 1905
M.S., Ph.D., 1908, 1915 † *Champaign*
Butzow, Emma Bertha—German
A.B., 1914 SS * † *Wellington*
Callen, Alfred Copeland—Mining Engineering
B.S., M.S. (*Lehigh Univ.*) 1909, 1911 * † *Urbana*
Carroll, Daniel Bernard—Political Science
A.B., 1915 SS *Pittsfield*
Castle, Russell D V—Economics
A.B., 1916 * † *Urbana*
Chadderdon, Hazel Mildred—English
A.B. (*Hedding College*) 1912 * † *Adair*
Chambers, William Harold—Dairy Bacteriology
B.S., 1915 SS * † *Evanston*
Chandler, Edward Marion Augustus—Fellow in Organic Chemistry
A.B. (*Howard Univ.*) 1913
A.M. (*Clark Univ.*) 1914 * † *Champaign*
Chang, Hung Lieh—Political Science
A.B. (*Baldwin-Wallace Coll.*) 1916 * † *Honan, China*
Charlton, Ernest Edward—Fellow in Industrial Chemistry
A.B. (*Grinnell Coll.*) 1913
M.S., 1915 SS * † *Cherokee, Iowa*
Checkley, Joseph Harvey—Economics
B.S., 1913 * † *Urbana*
Chen, Lan Sung—Transportation
A.B., 1916 SS * *Pekin, China*
Chen, Queh King—Political Science * † *Honan, China*
Childs, Harold Farnsworth—English Literature
A.B., A.M., (*Ohio State Univ.*) 1913 * † *Columbus, Ohio*
Christie, Jesse Roy—Zoology
B.S. (*Kentucky State Univ.*) 1914 * † *Manchester, New Hampshire*
Clayberg, Harold Dudley—Fellow in Botany
A.B., 1913, M.S. (*Univ. of Chicago*) 1914 * † *Oak Park*
Clevenger, Clinton B—Agronomy
B.S., M.S. (*Ohio State Univ.*) 1912, 1913 * *Fletcher, Ohio*
Clippinger, Frank Warren—Scholar in English
A.B. (*Wabash College*) 1916 * † *Indianapolis, Indiana*
Colby, Arthur Samuel—Botany
B.S. (*New Hampshire Coll.*) 1911
M.S., 1915 SS * † *Tilton, New Hampshire*
Collings, Gilbeart Hooper—Fellow in Agronomy
B.S. (*Virginia Poly. Inst.*) 1915 SS * † *Creme, Virginia*
Collins, Ray Arthur[1]—Electrical Engineering
B.S., 1909 *Chicago*
Cooke, Delmar Gross—Fellow in English
A.B., A.M., 1912, 1915 * † *Piper City*
Cooley, Verna—History
A.B. (*Knox Coll.*) 1913 * † *Toulon*
Cooper, Arthur Reuben—Honorary Fellow in Zoology
A.B. (*Victoria Coll., Toronto Univ.*) 1910
A.M. (*Univ. Coll., Toronto Univ.*) 1911 * † *Ontario, Canada*
Copley, Beatrice Virginia—English
A.B., 1915 SS * † *Joliet*
Cordell, Vail—Education
A.B., 1916 SS *Macomb*
Corzine, Bruce Herbert—Education
A. B., 1916 SS *Charleston*
Cox, Edward Hill—Fellow in Physiological Chemistry
B.S., M.S. (*Univ. of Louisville*) 1914, 1916 * † *Richmond, Indiana*
Crawford, Henry Gordon MacGregor—Scholar in Entomology
B.S. (*Toronto Univ.*) 1915 * † *Ontario, Canada*
Croan, Melvin—Education
A.B. (*Univ. of Kansas*) 1913 SS *Kincaid, Kansas*
Croll, Hilda Marion—Scholar in Household Science
A.B., 1916 * † *Beardstown*
Crooker, Sylvan Jay—Fellow in Physics
B.S. (*Carleton Coll.*) 1914
M.S., 1915 * † *Fairmont, Minnesota*
Crooks, Harold Fordyce—Geology
A.B., 1916 * † *Oak Park*
Cruzan, Myrtle Amy—English
A.B., 1914 * † *Mattoon*

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[1]Candidate for professional degree in engineering.

Culver, Harry—Pathology and Bacteriology
B.S. (*Univ. of Wisconsin*) 1910
M.D. (*Rush Medical Coll.*) 1913 * † *Appleton, Wisconsin*
Curtis, Harry Pennybacker—Agronomy
B.S. (*Ohio State Univ.*) 1915 * *Little Hocking, Ohio*
Cuthbert, Dorothy Lucile—Scholar in Latin
A.B., 1916 * † *Gilsum, New Hampshire*
Dalbey, Nora Elizabeth—Botany
A.B., A.M. (*Univ. of Kansas*) 1913, 1914 * † *Sterling, Kansas*
Davis, John William—Electrical Engineering
M. E. (*Cornell Univ.*) 1910 * † *Petersburg, Virginia*
Davis, Roy Lefevre—Education
A.B., A.M. (*Illinois Wesleyan Univ.*) 1915, 1916 SS * † *Potomac*
Davis, Samuel Sylvester—Agronomy
B.S., 1915 * † *Newport, Indiana*
Dawson, Eric Allen—French
B.S., A.M. (*Univ. of Mississippi*) 1908, 1914 * † *Okolona, Mississippi*
Dean, Ralph Hipple—Scholar in Chemistry
A.B. (*Lake Forest Coll.*) 1916 * † *Somonauk*
Dent, John Adlum—Mechanical Engineering
M.E. (*Lehigh Univ.*) 1905 † *Champaign*
DeTurk, Jeremiah Amos—Mechanical Engineering
B.S. (*Pennsylvania State Coll.*) 1912 * † *Reading, Pennsylvania*
Dickenson, Robert William—Agronomy
B. S., 1912 * † *Urbana*
Dickey, Lloyd Blackwell—Zoology
A.B., (*Fargo Coll.*) 1915 * † *Esmond, North Dakota*
Doane, Alice Mary—Scholar in English
A.B. (*Earlham Coll.*) 1914 * † *New York City, New York*
Dodds, Lois Ellen—French
A.B., 1916 † *Champaign*
Dolkart, Leo[1]—Electrical Engineering
B.S., 1903 *Moline*
Doisy, Edward Adelbert—Physiological Chemistry
A.B., M.S., 1914, 1916 SS *Champaign*
Dotterer, John Ezra—Scholar in Mathematics
A.B. (*Blue Ridge Coll.*) 1912 * † *New Windsor, Indiana*
Doty, George Lewis—Scholar in Romance Languages
A.B. (*Albion Coll.*) 1916 * † *Monroe, Michigan*
Douglas, Mrs. Dorothy W—Sociology
A.B. (*Bryn Mawr Coll.*) 1912
A.M. (*Columbia Univ.*) 1915 * † *Urbana*
Dreesen, William Henry—Economics
A.B. (*Greenville Coll.*) 1907
A.M., 1916 * † *Urbana*
DuBois, Henry Mathusalem—Paleontology
A.B., A.M. (*Indiana Univ.*) 1913, 1914 * † *Rochester, Indiana*
DuFrain, Frank James—Education
A.B., 1916 SS *Momence*
Dunbar, Louise Burnham—Scholar in History
A.B. (*Mt. Holyoke Coll.*) 1916 * † *White River Junction, Vermont*
Dunn, Max Shaw—Chemistry
A.B. (*Simpson Coll.*) 1916 * † *Milo, Iowa*
Durst, Charles Elmer—Genetics
B.S., M.S., 1909, 1912 SS * † *Urbana*
Dyar, Herbert Lee—Education
A.B. (*Eureka Coll.*) 1905 SS *Low Point*
Eckstein, Henry Charles—Chemistry
A.B., 1915 SS * *Peoria*
Edwards, Forrest Glenn—Education
A.B. (*Lombard Coll.*) 1907 * † *Princeville*
Edwards, M Reece—Agronomy
B.S., M.S., 1916 SS *Urbana*
Edwards, Robert Dean—Dairy Husbandry
B.S. (*Cornell Univ.*) 1915 * *Ithaca, New York*
Ellis, Harry Delmar—Education
A.B. (*Univ. of Michigan*) 1909 SS *Dundee, New York*
Enger, Melvin Lorenius—Theoretical and Applied Mechanics
B.S., C.E., 1906, 1916 SS * † *Urbana*
Engle, Robert Henry—Animal Husbandry
Work for B.S. completed, 1917 * † *Freeport*
Ensign, Newton Edward—Theoretical and Applied Mechanics
A.B. (*McKendree Coll.*) 1905
A.B. (*Oxford Univ.*) 1908
B.S., 1911 SS * † *Urbana*
Fahnestock, Rhoda—Scholar in Household Science
B.S. (*Rockford Coll.*) 1916 * † *Watertown, South Dakota*
Falls, Frederick Howard[2]—Pathology
B.S. (*Univ. of Chicago*) 1908
M.D. (*Rush Medical Coll.*) 1910
M.S., 1916 SS * † *Chicago*
Fanning, Ralph Stanlee—Architecture
B.Arch. (*Cornell Univ.*) 1912 * † *Riverhead, New York*

[1]Candidate for professional degree in engineering.
[2]In Graduate Courses in Medical Sciences, offered in Chicago, Summer Session, 1916.

Faust, Ernest Carroll—Fellow in Zoology A.B. (*Oberlin Coll.*) 1912 A.M., 1914		*	†	*Carthage, Missouri*
Fazel, Charles Stever—Physics A.B. (*Fairmount Coll.*) 1914 A.M., 1915	SS	*	†	*Wichita, Kansas*
Feng, Kaimin Kay—Civil Engineering B.S., M.S., 1915, 1916		*		*Peilui, Kwangsi, China*
Ferguson, Constance Wilberta[1]—Scholar in French A.B. (*Illincis Wesleyan Univ.*) 1916		*		*Normal*
Fishman, Alvin Texas—Scholar in Genetics B.S., 1916		*	†	*Bosky Dell*
Fitz-Gerald, Mrs. Leora Almita—Spanish Literature A.B., 1916		*	†	*Champaign*
Fleming, Denna Frank—Political Science A.B., 1916	*SS*			*Paris*
Flowers, Roy Warner[2]—Architectural Engineering B.S., 1906				*Gary, Indiana*
Footitt, Frank F—Chemistry A.B. (*Albion Coll.*) 1914 M.S., 1916	*SS*	*	†	*St. Johns, Michigan*
Ford, Jay Thomas—Individual Chemistry A.B. (*DePauw Univ.*) 1914 M.S., 1916		*	†	*Pendleton, Indiana*
Foster, Lucy Ray—English Ph.B. (*Syracuse Univ.*) 1908		*	†	*Champaign*
Francis, Helen Elizabeth—History A.B., 1916		*	†	*Wyoming*
Frank, Edwin Diederich August—Mechanical Engineering B.S. (*Massachusetts Inst. of Tech.*) 1906		*	†	*Milwaukee, Wisconsin*
Frary, Hobart Dickinson—Fellow in Mathematics M.E., M.S. (*Univ. of Minnesota*) 1908, 1909	SS	*	†	*Urbana*
French, Beals Ensign Litchfield—Education B.S. (*Alfred Univ.*) 1913	SS			*Ellicottville, New York*
French, Herbert Ephraim—Organic Chemistry A.B. (*Morningside Coll.*) 1915		*	†	*Sioux City, Iowa*
Fritz, Harry Rheinhardt—Fellow in Electrical Engineering C.E. (*Univ. of Texas*) 1914		*	†	*Dallas, Texas*
Fullenwider, Elizabeth Leah—Scholar in English A.B. (*James Millikin Univ.*) 1916		*	†	*Mechanicsburg*
Fulton, Edward Irving—English A.B. (*Central Univ. of Kentucky*) 1916	SS			*Anchorage, Kentucky*
Gantz, Richard Alonzo—Botany A.B. (*Michigan University*) 1912		*	†	*Urbana*
Gatward, Walter Arthur—Electrical Engineering B.S. (*Washington State Coll.*) 1913 M.S., 1916		*	†	*Urbana*
Gauger, Marguerite Elston—Scholar in Household Science A.B., 1913		*	†	*Champaign*
Gaynor, Elizabeth Webb—History A.B. (*Univ. of Wisconsin*) 1907	SS			*Grand Rapids, Wisconsin*
Geiling, Eugene Maximilian Karl—Animal Nutrition A.B. (*Univ. of Cape of Good Hope*) 1911 M.S., 1915	SS	*	†	*Vryberg, South Africa*
Geyer, Denton Loring—Education A.B., A.M. (*Univ. of Wisconsin*) 1910, 1911 Ph.D., 1914	SS			*Madison, Wisconsin*
Godeke, Harry Frederick—Mechanical Engineering B.S., 1905		*	†	*Urbana*
Godlove, Isaac Hahn—Organic Chemistry B.S., A.M. (*Washington Univ.*) 1914, 1915		*	†	*St. Louis, Missouri*
Goldman, Marcus Selden—Scholar in English A.B. (*Miami Univ.*) 1916		*	†	*Middletown, Ohio*
Goldsmith, Margaret Lola—Scholar in German A.B. (*Illinois Woman's Coll.*) 1916		*	†	*New York, New York*
Green, Bessie Rose—Zoology A.B., A.M., 1907, 1910		*	†	*Ivesdale*
Green, Charles Francis—Mathematics A.B., A.M. (*Univ. of Kansas*) 1914, 1915		*	†	*Holton, Kansas*
Greenfield, Edman—Chemistry A.B. (*Univ. of Kansas*) 1914 A.M., 1916		*	†	*Lawrence, Kansas*
Griffith, Coleman Roberts—Psychology A.B. (*Greenville Coll.*) 1915		*	†	*Greenville*
Grimes, Ruby Mabel—Mathematics A.B. (*Yankton Coll.*) 1911 A.M., 1913		*	†	*Rapid City, South Dakota*
Gross, Alfred William—Education Ph.B. (*North Western Coll.*) 1909	SS	*	†	*Urbana*
Gross, Cecil Robert—Bacteriology B.S. (*Cornell Univ.*) 1915		*	†	*Ithaca, New York*

[1]Resigned, Jan. 31, 1917.
[2]Candidate for professional degree in engineering.

Gulick, Edward Everett—Education B.L., 1892	SS		*Champaign*
Gulley, Lawrence Richard[1]—Mechanical Engineering B.S., M.S., 1910, 1911			*Urbana*
Gunderson, Alfred Joseph—Pomology B.S., 1911		* †	*Urbana*
Guslei, Gilbert—Animal Husbandry B.S. (*Ohio State Univ.*) 1912	SS	* †	*Urbana*
Gutling, Leo Arthur[1]—Electrical Engineering B.S., 1911			*Gatun, Canal Zone*
Haessler, Carl Herman—Philosophy A.B. (*Univ. of Wisconsin*) 1911 A.B. (*Oxford Univ.*) 1914		* †	*Urbana*
Haessler, Clara Luise—Fellow in German A.B., A.M. (*Univ. of Wisconsin*) 1912, 1914		* †	*Milwaukee, Wisconsin*
Hahn, Fred Charles—Organic Chemistry B.S., 1916	SS		*Springfield*
Handschin, Walter Frederick—Animal Husbandry B.S., 1913		* †	*Urbana*
Hanna, Helen Irene—German A.B. (*Central Coll.*) 1916		* †	*Epworth, Iowa*
Hao, Tso Chang—Economics A.B., 1916		* †	*Wuchinghsien, China*
Harbison, Chester Clyde—Sociology A.B. (*Univ. of Michigan*) 1914		* †	*Urbana*
Harper, Claude Ligonier—Animal Husbandry B.S. (*Purdue Univ.*) 1914		* †	*Urbana*
Harris, James Waldo[1]—Civil Engineering B.S., 1886			*Beloit, Wisconsin*
Hatfield, William Derrell—Chemistry B.S. (*Illinois Coll.*) 1914 M.S., 1916	SS	* †	*Urbana*
Haw, Arthur Blaine—Chemistry B.S. (*Harvard Univ.*) 1913		* †	*Ottumwa, Iowa*
Hayes, Augustus Washington—Economics B.S., 1907		*	*Pleasant Plains*
Heath, Dwight Frederick—Scholar in Mathematics A.B., 1916		* †	*Chicago*
Hebbert, Clarence Mark—Mathematics B.S. (*Otterbein Univ.*) 1911 M.S., 1914		* †	*Bloomdale, Ohio*
Hecht, August George—Horticulture B.S., 1914		* †	*Overland, Missouri*
Hedges, Bertram Atkinson—Education A.B., 1916		*	*Downing, Missouri*
Heimburger, Harry Virl—Zoology A.B. (*DePaw Univ.*) 1911 A.M., 1915	SS		*Kewanna, Indiana*
Henderson, James Bruce—Animal Husbandry B.S., M.S., 1916		†	*Urbana*
Henrich, Louis Joseph—Education B.S. (*Kentucky State Univ.*) 1913 M.S. (*Iowa State Coll.*) 1915	SS	* †	*Newport, Kentucky*
Henry, Theodore Spafford—Education A.B. (*Hedding Coll.*) 1903 A.M., 1916	SS	* †	*Urbana*
Hepburn, Nelson William—Dairy Manufacture B.S., M.S., 1907, 1910		*	*Urbana*
Hicks, John Frederick—Industrial Chemistry B.S. (*Univ. of Pennsylvania*) 1906 M.S., 1916	SS	* †	*Champaign*
Higgins, George Marsh—Zoology B.S. (*Knox Coll.*) 1914 A.M., 1916		* †	*Des Plaines*
Hight, Eugene Stuart[1]—Electrical Engineering M.S., 1911			*Peoria*
Higley, Ruth—Fellow in Zoology A.B. (*Grinnell Coll.*) 1909		* †	*Grandview, Iowa*
Hill, Charles Francis—Physics A.B., A.M., 1914, 1916		*	*Champaign*
Hill, Howard Rice—Zoology A.B. (*Carroll Coll.*) 1913 M.S., 1916		* †	*Chicago*
Hill, Robert McClaughey—Scholar in Chemistry B.S. (*Carthage Coll.*) 1915		* †	*Carthage*
Hobler, Mrs. Harriet Wells—History A.B. (*Rockford Coll.*) 1882		* †	*Batavia*
Hofacker, Olga Vera—English A.B., 1911	SS		*Peoria*
Hoffman, William Samuel—Sociology A.B. (*Greenville Coll.*) 1916		* †	*Greenville*
Hofto, Jacob Arnold—Fellow in History A.B., A.M. (*Univ. of North Dakota*) 1913, 1914		*	*Grand Forks, North Dakota*

[1]Candidate for professional degree in engineering.

Hohman, Elmo Paul—Scholar in History				
A.B., 1916		*	†	*Nashville*
Holbrook, Elmer Allen—Mining Engineering				
B.S. (*Mass. Inst. Tech.*) 1904				
E.M., 1916	SS	*	†	*Urbana*
Hooper, Gertrude Mellen—Zoology				
A.B. (*Jackscn Coll.*) 1915		*	†	*Tufts College, Massachusetts*
Hoskinson, Bruce Quin—Education				
A.B., 1916	SS			*West York*
Hormel, Olive Dean—English				
A.B., 1916			†	*Wichita, Kansas*
Howell, Lloyd Brelsford—Chemistry				
A.B. (*Wabash Coll.*) 1909		*	†	*Urbana*
Hsu, Chuan-Ying—Economics				
A.B. (*Nanking Univ.*) 1905				
A.M., 1915		*	†	*Urbana*
Huffer, Charles Morse—Scholar in Mathematics				
A.B. (*Albion Coll.*) 1916		*	†	*Albion, Michigan*
Hufferd, Ralph William—Organic Chemistry				
A.B. (*Washington Univ.*) 1915		*	†	*St. Louis, Missouri*
Hulce, Ray Stillman—Animal Husbandry				
B.S. (*Univ. of Wisconsin*) 1911				
M.S., 1913		*	†	*Urbana*
Humphrey, Herbert Kay[1]—Electrical Engineering				
B.S., 1911				*Houston, Texas*
Hunsaker, Andrew Franklin—Political Science				
A.B., A.M., 1909			†	*Rantoul*
Hursh, Ralph Kent—Ceramic Engineering				
B.S., 1908	SS			*Macomb*
Hurst, Lawrence—History				
A.M. (*Wisconsin Univ.*) 1914		*		*Martensville*
Huston, Earl Albert—Horticulture				
B.S. (*Purdue Univ.*) 1916		*	†	*Mishawaka, Indiana*
Hyslop, William Henry—Experimental Physics				
A.B. (*Knox Coll.*) 1908				
A.M., 1911		*	†	*Urbana*
Ireland, Washington Parker[1]—Civil Engineering				
B.S., 1903				*Galesburg*
Jacobs, Jessie Marie—Mathematics				
A.B. (*McPherson Coll.*) 1914				
A.M. (*Univ. of Kansas*) 1916		*		*McPherson, Kansas*
James, Helen Dorcas—Scholar in English				
A.B. (*Univ. of New Mexico*) 1914		*	†	*Las Cruces, New Mexico*
Jennings, Walter Wilson—Fellow in History				
A.B., A.M., 1915, 1916		*	†	*Champaign*
Jewell, Minna Ernestine—Zoology				
A.B. (*Colorado Coll.*) 1914				
A.M., 1915		*	†	*Colorado Springs, Colorado*
Jinguji, Genjiro—Electrical Engineering				
B.S., 1912			†	*Choshi, Japan*
Johnson, Dorothea Pearl—Scholar in Latin				
A.B. (*McKendree Coll.*) 1915	SS			*Belleville*
Johnson, Leslie F—Agronomy				
B.S., (*Iowa State Coll.*) 1917			†	*Omaha, Nebraska*
Jones, Easley Stephen—English				
A.B. (*Univ. of Colorado*) 1907				
A.M. (*Harvard Univ.*) 1913		*	†	*Boulder, Colorado*
Jones, Lester Seaman—Education				
B.S. (*Northwestern Univ.*) 1905	SS			*Oak Park*
Jordan, Louis—Inorganic Chemistry				
A.B. (*Bates Coll.*) 1915		*	†	*Portland, Maine*
Jordan, Vera Elizabeth—English				
A.B. (*Drake Univ.*) 1909		*	†	*Des Moines, Iowa*
Jordan, William Gharrett—Chemistry				
A.B. (*Drake Univ.*) 1913		*	†	*Des Moines, Iowa*
Kamm, Wilbur Fred—Chemistry				
A.B., 1916	SS			*Highland*
Kammlade, William Garfield—Animal Husbandry				
B.S. (*Univ. of Wiscansin*) 1915	SS	*	†	*Sparta, Wiscousin*
Karr, Walter Gerald—Chemistry				
B.S. (*Alfred Univ.*) 1913				
M.S., 1916		*	†	*Almond, New York*
Krarrer, Sebastian—Fellow in Physics				
A.B., A.M. (*Univ. of Washington*) 1911, 1913	SS	*	†	*Seattle, Washington*
Keen, Dora—Education				
A.B. (*Georgetown Coll.*) 1916		*	†	*Georgetown, Kentucky*
Keiser, Albert—Fellow in English Philology				
A.B. (*Wartburg Coll.*) 1911				
A.M. (*Univ. of Montana*) 1915	SS	*	†	*Sterling, Nebraska*
Keith, Mary Helen—Animal Nutrition				
B.S. (*Mt. Holycke Coll.*) 1894				
A.M. (*Columbia Univ.*) 1904		*	†	*Braintree, Massachusetts*

[1]Candidate for professional degree in engineering.

Keitoku, Sakae—Industrial Chemistry
A.B., 1916 * † *Fukushima, Japan*
Kelso, Ruth—English
A.B., A.M., 1908, 1909 * † *Los Angeles, California*
Kempton, Forrest Ellwood—Botany
B.S. (*Earlham Coll.*) 1906
M.S. (*Univ. of Wisconsin*) 1913 SS * † *Centerville, Indiana*
Kennedy, Josephine Wheaton—Physiology
A.B. (*Wheaton Coll.*) 1912 * † *Wheaton*
Kennedy, Luther Eugene—Economic Geology
A.B., A.M., 1915 * † *Springfield*
Kernall, Morris Johnson—Zoology
A.B. (*Univ. of North Dakota*) 1906
A.M., 1914 * † *Valley City, North Dakota*
Kindred, James Ernest—Zoology
A. B. (*Tufts Coll.*) 1914
A.M., 1915 * † *Dorchester, Massachusetts*
Kingman, Robert Hills—Zoology
A.B. (*Washburn Coll.*) 1913 * † *Topeka, Kansas*
Kingsley, Mary Winship—History
A.B., A.M. (*Tufts Coll.*) 1903, 1904 * † *Urbana*
Kirkpatrick, Harold H—Education
A.B., 1897 SS *West Chicago*
Kirkpatrick, Sidney Dale—Chemistry
B.S., 1916 * † *Urbana*
Knight, Abner Richard—Electrical Engineering
M.E. (*Ohio State Univ.*) 1909 SS * † *Champaign*
Knight, Henry Granger—Chemistry
A.B. (*Univ. of Chicago*) 1903
A.M. (*Univ. of Washington*) 1905 SS *Laramie, Wyoming*
Knight, Paul Kenneth—Economics
A.B., 1916 * † *Urbana*
Knudsen, Charles William—Chemistry
B.S., 1913 SS *New Berlin*
Koons, Guy J—Education
A.B., 1912 SS *Murphysboro*
Krafka, Joseph, Jr.—Zoology
A.B., A.M. (*Lake Forest Coll.*) 1915 * † *Ottumwa, Iowa*
Kremers, Harry Cleveland—Inorganic Chemistry
A.B. (*Hope Coll.*) 1913
M.S., 1915 SS * † *Urbana*
Krieger, Augusta May—Education
A.B., 1910 SS *Peoria*
Kumano, Kichijiro—Education
Graduate of Hiroshima Higher Normal Coll. 1908 * † *Tokyo, Japan*
Landis, Paul Nissley—English
A.B., A.M.(*Franklin & Marshall Coll.*) 1913, 1915 * † *Womelsdorf, Pennsylvania*
Langwill, Bertha—Zoology
B.S. (*Rockford Coll.*) 1916 SS *Rockford*
Larson, Louis J—Research Fellow in Theoretical and Applied Mechanics B.S., C.E. (*Univ. of Minnesota*) 1914, 1915 * † *Windom, Minnesota*
Lathrop, Charlton Page—Scholar in Pomology
B.S., 1916 SS * † *Chicago*
Lauer, Willard Wood—Theoretical and Applied Mechanics
B.S. (*Carnegie Inst. of Technology*) 1916 * † *Pittsburgh, Pennslyvania*
Lauterbach, Edward George—Botany
B.S., 1915 SS † *Bushnell*
Layton, Warren Kenneth—Education
A.B. (*Northwestern Univ.*) 1911 SS * † *Potomac*
Leach, Mac E—Scholar in English
A.B., 1916 SS * † *Urbana*
Leighty, Wilbur Roy—Chemistry
B.S. (*Illinois Wesleyan Univ.*) 1910 † *Urbana*
Lewis, Thomas Kirk—Chemistry
B.S. (*Center Coll.*) 1915 SS *Skylight, Kentucky*
Linkins, Ralph Harlan—Zoology
A.B. (*Illinois Coll.*) 1911
A.M., 1914 * † *Jacksonville*
Littleton, Ananias Charles—Economics
A.B., 1912 SS * † *Urbana*
Liu, Yi—Engineering
(*Associate of Tangshan Engineering Coll.*) 1916 † *Tientsin, China*
Lopez, Manuel Leon—Spanish
A.B. (*Ohio Wesleyan Univ.*) 1916 * † *Delaware, Ohio*
Lucas, Peter Horatio—Physics
A.B. (*Cornell Univ.*) 1916 * † *Hammonton, New Jersey*
Ludvik, Benjamin Edward—History
A.B., 1916 * † *Chicago*
Lundahl, Raymond Rudolph[1]—Civil Engineering
B.S., 1911 *Milwaukee, Wisconsin*
Luney, Francis Solon[1]—Mechanical Engineering
B.S., 1907 *Dekalb*

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[1]Candidate for professional degree in engineering.

McClugage, Harry Bruce—Chemistry
A.B., 1915 — SS — *Peoria*
McClure, William Lionel—Chemistry
A.B. (*Drury Coll.*) 1916 — * † — *Lawtan, Oklahoma*
McCoy, Alva Elisha—Scholar in Agronomy
B.S., 1916 — * † — *Altamont*
McHarry, Jessie—History
A.B., A.M., 1911, 1912 — † — *Rantoul*
MacInnes, Frances Jean—Botany
B.S., 1916 — * † — *Urbana*
McKinley, John Douglas—Greek
A.B., A.M. (*Harvard Univ.*) 1915, 1916 — * † — *Lowell, Massachusetts*
McKown, Harry Charles—Education
B.S. (*Knox Coll.*) 1913 — * † — *Gibson*
McLaughlin, Maud Katharine—Latin
A.B. (*Knox Coll.*) 1909 — * — *Galesburg*
McMillan, George Burr—Transportation
A.B., 1915 — * † — *Champaign*
McNally, Mary Cecilia—History
A.B., 1915 — SS — *Pueblo, Colorado*
Magaret, Melitta Anna—Education
A.B. (*Univ. of Chicago*) 1911 — SS — *Belleville*
Magath, Thomas Byra—Fellow in Zoology
Ph.B. (*Emory Coll.*) 1913 — * † — *Oxford, Georgia*
M.S. (*Millikin Univ.*) 1914
Mahannah, A Ernest—Fellow in Political Science
A.B. (*Fairmount Coll.*) 1914
A.M., 1916 — * † — *Sedgwick, Kansas*
Manuel, Herschel Thurman—Educational Psychology
A.B. (*DePaw Univ.*) 1909
A.M. (*Univ. of Chicago*) 1914 — * † — *Greencastle, Indiana*
Marker, Albert Washington—Physics
Ph.B. (*Northwestern Coll.*) 1907 — SS — *Danville*
Marston, Leslie Ray—Scholar in Education
A.B. (*Greenville Coll.*) 1916 — * † — *Lakeview, Michigan*
Marten, Jane Frances—French
A.B. (*Oxford Coll. for Women*) 1916 — * — *Tolono*
Marvel, Carl Shipp—Organic Chemistry
A.B. (*Illinois Wesleyan Univ.*) 1915
A.M., 1916 — * † — *Normal*
Mattoon, Edwin Whitaker—Education
A.B., 1915 — SS — *Champaign*
May, Ethel Jane—History
A.B., A.M. (*Univ. of North Dakota*) 1911, 1912 — * † — *Downing, Wisconsin*
May, Henry Gustav—Zoology
B.S. (*Univ. of Rochester*) 1913 — SS * † — *Dallas, Oregon*
Meredith, Ina Valeria—Mathematics
A.B., 1914 — * — *Perry*
Merrymon, William Walter—Physics
A.B. (*Univ. of Missouri*) 1912 — * † — *Carbondale*
Mickle, Friend Lee—Sanitary Chemistry
A.B. (*Allegheny Coll.*) 1911 — SS * † — *Garland, Pennsylvania*
Mikami, Goro—Economics
B.S. (*Waseda Univ.*) 1912 — * — *Okamada, Kopu, Japan*
Miles, Lee Ellis—Plant Physiology
A.B. (*Wabash Coll.*) 1914 — * † — *Crawfordsville, Indiana*
Millar, William James—Education
A.B. (*Hanover, Coll.*) 1911 — SS — *Madison, Indiana*
Miller, J Earll—History
A.B., LL.B. (*Univ. of Kansas*) 1910, 1912
A.M., 1913 — * † — *Champaign*
Milligan, Adah E—English
A.B. (*Monmouth Coll.*) 1914 — SS — *Monmouth*
Mizuno, Tsunekichi—Education
A.B. (*Hiroshima Normal Coll.*) 1908 — SS — *Koizumi, Japan*
Moore, Josiah John[1]—Pathology
B.S. (*Univ. of Montana*) 1907
M.D. (*Rush Medical Coll.*) 1912 — SS * † — *Chicago*
Moore, Leonard L.—Education
A.B (*Drake Univ.*) 1914 — SS — *Zearing, Iowa*
Morison, Alfred Thorpe—Agronomy
B.S. (*Pennsylvania State Coll.*) 1915 — * — *Urbana*
Morrison, Rodger Leroy[2]—Civil Engineering
B.S., 1912 — *College Station, Texas*
Murphy, Maurice Elgin—Economics
A.B. (*Central Normal Coll.*) 1910
A.B. (*Indiana Univ.*) 1913
A.M., 1916 — * † — *Eldorado*
Murray, Ethel Ruth—Scholar in Latin
A.B. (*Morningside Coll.*) 1909
Murray, Norris Fey—Chemistry — * † — *Schaller, Iowa*
B.S., 1912 — * † — *Mazon*

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[1]In Graduate Courses in Medical Sciences, offered in Chicago, Summer Session, 1916.
[2]Candidate for professional degree in engineering.

Myers, Arthur Leslie[1]—Mechanical Engineering B.S., 1913			*Willsville, Missouri*
Myers, Frederick Irwin—English A.B., A.M. (*Indiana Univ.*) 1914, 1915		* †	*Geneva, Indiana*
Nebel, Merle Louis—Fellow in Economics Geology B.S., M.S., 1913, 1915		* †	*Champaign*
Neill, Alma Jessie—Physiology A.B., A.M., 1913, 1915		* †	*Chillicothe*
Nelson, Benjamin[1]—Mechanical Engineering B.S., 1911			*Chicago*
Nelson, Milton Nels—Economics A.B., 1915		* †	*Chicago*
Nelson, Roy Andrew—Physics B.S. (*Knox Coll.*) 1916		* †	*Galesburg*
Nevens, William Barbour—Dairy Husbandry B.S. Agr. (*Univ. of Wisconsin*) 1914	SS	* †	*Urbana*
Newlin, Charles Ivan—Animal Husbandry B.S., M.S., 1912, 1914		* †	*Urbana*
Newlove, George Hillis—Economics Ph.B. (*Hamlin Univ.*) 1914 A.M. (*Univ. of Minnesota*) 1915		* †	*Milton, North Dakota*
Nickoley, Emma May Rhodes—English A.B., A.M., 1899, 1915		†	*Beirut, Syria*
Nilsen, Peter Jacob—Electrical Engineering B.S., 1915		* †	*Urbana*
Nolan, Willis James—Scholar in Entomology A.B. (*Western Reserve Univ.*) 1914		* †	*Madison, Ohio*
Okey, Ruth Eliza—Chemistry B.S. (*Monmouth Coll.*) 1914 M.S., 1915		* †	*Kirkwood*
Oldham, William Brown—Farm Crops B.S. (*Utah Agr. Coll.*) 1910		* †	*Rexburg, Idaho*
Olewine, James Harris—Organic Chemistry B.S. (*Pennsylvania State Coll.*) 1915		* †	*Bellefonte, Pennsylvania*
Ordonez, Benito Rene—Research Fellow in Railway Electrical Engineering B.S., 1914		* †	*Saltillo, Mexico*
Owens, Albert Waffle—Inorganic Chemistry B.S. (*Bucknell Univ.*) 1909		* †	*Lewisburg, Pennsylvania*
Palm, Franklin Charles—History A.B. (*Oberlin Coll.*) 1914 A.M., 1915		* †	*Wilmar, Minnesota*
Parish, William Love—Scholar in Architectural Engineering B.S., 1916		* †	*Greenfield*
Parr, Rosalie Mary—Botany A.B., A.M., 1906, 1911	SS		*Urbana*
Partridge, Newton Lyman—Fellow in Horticulture B.S., M.S., 1913, 1914		* †	*Champaign*
Pauli, Adolph Frederick—Scholar in Latin A.B., 1916		* †	*Peoria*
Pearson, Frank Ashmore—Economics B.S. (*Cornell Univ.*) 1912	SS	* †	*Urbana*
Pepinsky, Bernard—Scholar in Engineering Mechanics C.E. (*Univ. of Cincinnati*) 1916		* †	*Cincinnati, Ohio*
Perry, Margaret Campbell—Chemistry A.B., 1915	SS	* †	*Urbana*
Pfeil, Mary Esther—English A.B., 1908	SS	* †	*Arenzville*
Phelps, James Manley—English A.B. (*Northwestern Univ.*) 1912 A.M., 1916		*	*DeKalb*
Pickett, Roy Ernest[1]—Architectural Engineering B.S., 1911			*Sullivan*
Pickler, William Eugene—Plant Physiology A.B. (*Wabash Coll.*) 1914		* †	*Louisville, Kentucky*
Pieper, John—Agronomy Work for B.S. completed, 1916	SS	* †	*Granite City*
Pierce, Thirza May—Education A.B., 1911	SS	* †	*Oak Park*
Pike, Carl Eli—Physics B.S. (*Cornell Coll.*) 1916		* †	*Central City, Iowa*
Pittman, Thomas Merritt[1]—Civil Engineering B.S., 1911			*Chicago*
Pollock, Harry Robb—Farm Crops B.S., 1914	SS		*Clinton*
Powell, Alfred Richard—Industrial Chemistry B.S. (*Univ. of Kansas*) 1914 A.M. (*Univ. of Nebraska*) 1915		* †	*Ottawa, Kansas*
Powell, Park—French A.B., B.S. (*Univ. of Missouri*) 1907, 1908		* †	*Urbana*
Powell, Sargent Gastman—Organic Chemistry B.S., M.S. (*Univ. of Washington*) 1916		* †	*Seattle, Washington*
Powers, Edwin Booth—Zoology A.B. (*Trinity Univ.*) 1906 M.S. (*Univ. of Chicago*) 1913	SS	* †	*Waxahachie, Texas*

[1]Candidate for professional degree in engineering.

Prichard, Walter—History
A.B., A.M. (*Indiana Univ.*) 1914, 1915 * † *Edinburg, Indiana*
Putnam, William James—Theoretical and Applied Mechanics
B.S., 1910 * † *Urbana*
Quick, Ray Stuart—Research Electrical Engineering
B.S. (*Univ. of California*) 1916 * † *Berkeley, California*
Quimby, John Calvin—Animal Husbandry
B.S. (*Ohio State Univ.*) 1912 * † *Bridgeport, Ohio*
Randolph, James Robbins—Mechanical Engineering
M.E. (*Virginia Poly. Inst.*) 1913 * *Blacksburg, Virginia*
Rayner, William Horace—Education
B.S., 1909 * † *Urbana*
Redenbaugh, Herman Edward—Chemistry
A.B. (*Tabor Coll.*) 1912 * † *Tabor, Iowa*
Reece, Ernest James—Political Science
Ph.B. (*Western Reserve Univ.*) 1903 * † *Urbana*
Reed, James Keel—Organic Chemistry
A.B. (*Wabash Coll.*) 1915 * † *Indianapolis, Indiana*
Reeder, Claude Hazlett[1]—Electrical Engineering
B.S., 1910 *Chicago*
Reeder, John Corwin—Education
Work for A.B. completed, 1917 † *Urbana*
Rees, Alice Edna—Latin
A.B. (*Earlham Coll.*) 1913 SS * *Vermilion Grove*
Rees, Edwin Arthur—Chemistry
A.B., A.M. (*Univ. of Denver*) 1913, 1914 * † *Garfield, Utah*
Reinecke, Theodore Gerald Wellesley—Chemistry
B.S. (*Univ. of Cape of Good Hope*) 1907 * † *Cape Province, South Africa*
Renich, Mary Emma—Botany
A.B., A.M., 1911, 1912 * † *Clinton*
Ryerson, Lloyd Hilton—Physical Chemistry
A.B. (*Carleton Coll.*) 1915 SS * † *Dawson, Minnesota*
Rhode, Chris Simeon—Genetics
B.S. (*Purdue Univ.*) 1915 * † *Brookston, Indiana*
Rhoton, Alvis Lemuel—Scholar in Education
A.B. (*Georgetown Coll.*) 1899
A.M. (*Washington Univ.*) 1901 SS * † *Somerset, Kentucky*
Rice, John Benjamin—Animal Husbandry
B.S. (*Univ. of Nebraska*) 1915 SS * † *Urbana*
Richardson, Clarence Hudson—Mathematics
B.S. (*Univ of Kentucky*) 1913 SS * † *Buffalo, Kentucky*
Richart, Frank Erwin—Theoretical and Applied Mechanics
B.S., M.S., 1914, 1915 * *Urbana*
Rindfusz, Ralph Emerson—Chemistry
A.B., A.M. (*Oberlin Coll.*) 1911, 1916 SS * † *Larwill, Indiana*
Ripley, Lewis Bradford—Fellow in Entomology
B.S. (*Trinity Coll.*) 1915
M.S., 1916 * † *Glastonbury, Connecticut*
Roberts, Edward Alexander—Research Fellow in Railway Engineering, B.S. (*Harvard Univ.*) 1914 * † *Cambridge, Massachusetts*
Roberts, Elmer—Genetics
B.S., 1913 SS * † *Urbana*
Roberts, Gwladys Ellen—Scholar in Latin
A.B. (*Hanover Coll.*) 1916 * † *Bedford, Indiana*
Roberts, Nellie Read—English
A.B., B.L.S., 1913, 1915 * † *Champaign*
Robertson, Eva Love
A.B., 1913 * † *Champaign*
Robinson, Rodney Potter—Latin
A.B., A.M. (*Univ. of Missouri*) 1910, 1911 * † *Urbana*
Rogers, Anna Sophie—Psychology
A.B., A.M., 1911, 1914 * † *Bushnell*
Ross, Charles Marion—Scholar in Physiology
B.S. (*Eureka Coll.*) 1916 * † *Fairbury*
Ross, Clarence Samuel—Economic Geology
A.B., A.M., 1913, 1915 * † *Champaign*
Ross, Kenneth Dwight—Scholar in Economics
A.B., 1916 * † *Champaign*
Rowland, Floyd Elba—Industrial Chemistry
B.S. (*Oregon Agr. Coll.*) 1907
A.B., A.M., 1914, 1915 SS * † *Corvallis, Oregon*
Rudolfs, Willem—Botany
(*Government Univ., Wageningen, Holland*) † *Urbana*
Rugg, Earle Underwood—Political Science
A.B., 1915 SS * † *Fitchburg, Massachusetts*
Rulison, Harold Kirk—Economics
B.S. (*Cornell Univ.*) 1915 * † *Angelica, New York*
Russel, Robert Royal—Fellow in History
A.B. (*McPherson Coll.*) 1914
A.M. (*Univ. of Kansas*) 1915 * † *Galva, Kansas*
Ruth, Warren Albert—Botany
A.B., A.M., (*Wabash Coll.*) 1906, 1909 SS * † *Urbana*

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[1]Candidate for professional degree in engineering.

Santee, Albert Merritt—Education
A.B., 1916 * † *Champaign*
Sargent, Rachel Louisa—Scholar in Latin
A.B. (*Bates Coll.*) 1914 * † *Exeter, New Hampshire*
Saunders, Jeannette—History
Ph.B. (*Wooster Coll.*) 1915
A.M. (*Univ. of Minnesota*) 1916 * † *Streator*
Sayer, Watson Russell—Chemistry
B.S. (*Univ. of West Virginia*) 1914 * † *Evans, West Virginia*
Sayre, Rollo Clifton—History
B.S. (*McKendree Coll.*) 1909 SS *Grayville*
Schaarman, Emil Ferdinand—Education
A.B., A.M., 1914, 1915 * † *Champaign*
Schalck, Michael Andrew—Agronomy
B.S., 1916 SS *Butler, Kentucky*
Scheeter, Ralph—English
A.B., 1916 SS *Danville*
Schlinck, Frederick John[1]—Mechanical Engineering
B.S., 1912 *Washington, D. C.*
Schoepperle, Helen Katherine—Fellow in History
A.B., A.M., 1915, 1916 * † *Hamburg, New York*
Schoonover, Warren Rippey—Agronomy
B.S. (*Occidental Coll.*) 1912
M.S., 1916 * *Urbana*
Schrader, Frederick Ambrose—Education
A.B. (*Illinois Coll.*) 1908 SS *Murphysboro*
Schulz, Ernest Rudolf—Scholar in Agronomy
B.S., 1916 * † *Champaign*
Scofield, Harriet—Mathematics
B.S. (*Carthage Coll.*) 1915 SS *Carthage*
Scott, James Robinson[1]—Thoretical and Applied Mechanics
B.S., 1907 *Denver, Colorado*
Scott, Roy Sunderlund—Economics
Work for A.B. completed, 1917 * *Urbana*
Seifert, Herbert Frank—Scholar in Entomology
A.B., 1916 * † *Thiensville, Wisconsin*
Sekine, Sentaro—Railway Engineering
B.S., A.B., 1913, 1914 * † *Saitama, Japan*
Sexsmith, Edna K[2]—Pathology
A.B., (*Univ. of Iowa*) 1913 SS *Greenfield*
Seyster, Ernest Willford—Experimental Zoology
A B., 1915 SS * † *Champaign*
Shaw, Hazel Yearsley—Political Science
A.B., A.M., 1907, 1908 * † *Urbana*
Shawl, Ray Iris—Animal Husbandry
B.S., 1916 * † *Peoria*
Sherrill, Paul McLoud—History
A.B. (*Trinity Coll.*) 1914 * † *Charlotte, North Carolina*
Sherwood, Franklin Frederick—Fellow in Inorganic Chemistry
A.B., A.M. (*Univ. of South Dakota*) 1914, 1915 * † *Madison, South Dakota*
Shewhart, Walter Andrew—Physics
A.B., A.M., 1913, 1914 * † *Urbana*
Shonle, Horace Abbott—Fellow in Animal Nutrition
B.S., 1916 * † *Tuscola*
Shulters, John Raymond—French
A.B., A.M., 1910, 1911 * † *Bristol, New York*
Siever, Carl Henry—Chemistry
A.B. (*Univ. of Kansas*) 1913 * † *Urbana*
Simpson, George Eric—Chemistry
B.S., 1913 SS *Chicago*
Simpson, Sebastian Solon—History
Work for A.B. completed, 1917 * † *Urbana*
Skinner, Glenn Seymour—Organic Chemistry
A.B. (*Kansas State Manual Training Normal*) 1913
A.M., 1915 SS * † *Cherokee, Kansas*
Slater, Maynard Elmer—Animal Husbandry
B.S., 1915 SS * *Belvidere*
Sloan, William Finlay—Education
B.S., 1916 SS *Urbana*
Sluss, Alfred Higgins[1]—Mechanical Engineering
B.S., 1901 *Lawrence, Kansas*
Smith, Arthur Matthias—Agronomy
B.S. (*Pennsylvania State Coll.*) 1916 * † *Berwick, Pennsylvania*
Smith, Carl Ambrose—Education
A. B. (*Wabash Coll.*) 1913 SS *New Ross, Indiana*
Smith, Cecil Weldon[1]—Mining Engineering
B.S., 1913 *Nokomis*
Smith, Clara Mabel—Education
Work for A.B. completed, 1917 * † *St. Clair, Michigan*
Smith, Guy Watson—Mathematics
B.S., M.S. (*Univ. of Colorado*) 1908, 1909 * † *Castle Rock, Colorado*

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[1]Candidate for professional degree in engineering.
[2]In Graduate Courses in Medical Sciences, offered in Chicago, Summer Session, 1916.

Smith, Herbert E—Education				
A.B., 1916	SS			*Ontario, Canada*
Smith, Irene Fern—Chemistry				
B.S., 1916		*	†	*Red Bud*
Smith, Isabel Seymour—Botany				
A.B. (*Oberlin*) 1901				
M.S. (*Univ. of Chicago*) 1905	SS			*Oberlin, Ohio*
Smith, Linton Millard—Scholar in Chemistry				
B.S. (*Shurtleff Coll.*) 1916		*	†	*Danville*
Smith, Marshall Eugene—Education				
B.Ph., A.B. (*Greenville Coll.*) 1911, 1916		*		*Greenville*
Smith, Merlin Grant—Fellow in Mathematics				
B.S. (*Greenville Coll.*) 1915				
A.M., 1916		*	†	*Youngstown, Ohio*
Smith, Otto Mitchell—Chemistry				
B.S. (*Drury Coll.*) 1907		*	†	*Urbana*
Snapp, Roscoe Raymond—Animal Husbandry				
A.B., B.S., 1913		*	†	*Urbana*
Snider, Earl Quinter—Education				
A.B., 1906	SS			*Urbana*
Snodgrass, John McBeath[1]—Mechanical Engineering				
B.S., 1902				*Urbana*
Soto, Rafael Arcangel—Spanish				
B.S., A.B., 1912, 1915		*	†	*Sabana Grande, Porto Rico*
Spooner, Charles Stockman—Entomology				
A.B. (*Cornell Univ.*) 1907		*		*Middletown, New York*
Squire, Edward G—Dairy Husbandry				
B.S. (*Iowa State Coll.*) 1916			†	*Grinnell, Iowa*
Stanford, Howard Russel—Horticulture				
B.S., 1908		*	†	*Urbana*
Stanton, William Macy—History of Architecture				
B.S., M.S. (*Univ. of Pennsylvania*) 1913, 1914		*	†	*Philadelphia, Pennsylvania*
Stear, Jacob Ray—Entomology				
B.S. (*Ohio State Univ.*) 1916		*		*Irondale, Ohio*
Stearn, Allen Edwin—Fellow in Chemistry				
A.B., A.M. (*Stanford Univ.*) 1915, 1916		*	†	*St. Louis, Missouri*
Stephens, Ethel Gertrude—History				
Work for A.B. completed, 1917			†	*Murphysboro*
Stephenson, Bird Richard—Scholar in Physics				
A.B. (*Albion Coll.*) 1916		*	†	*Lake Odessa, Michigan*
Stephenson, Roscoe Elmo—Agronomy				
B.S. (*Purdue Univ.*) 1915		*	†	*Bedford, Indiana*
Stevenson, John Alford—Education				
A.B. (*Ewing Coll.*) 1908				
A.M. (*Univ. of Wisconsin*) 1911		*	†	*Urbana*
Stewart, Melville Boicourt—Mining Engineering				
Work for B.S. completed, 1917		*		*Metropolis*
Stone, Herbert King—French				
A.B. (*Univ. of Michigan*) 1905		*	†	*Urbana*
Stopp, Gerald Darfield—English				
A.B., 1915		*	†	*Urbana*
Stowell, Charles Jacob—Fellow in Economics				
B.S. (*Illinois Wesleyan*) 1911				
A.M., 1912		*	†	*Urbana*
Strauch, Frederick Paul—Research Fellow in Chemistry				
B.S. (*Armour Institute*) 1916		*	†	*Chicago*
Strauch, Henry Harry[2]—Chemistry				
B.S. (*Univ. of Chicago*) 1916	SS	*	†	*Thomson*
Strombeck, George Mauritz[1]—Mechanical Engineering				
B.S., 1907				*Moline*
Stromquist, Walter Gottfred[1]—Municipal and Sanitary Engineering				
B.S., 1910				*Chicago*
Sutcliffe, Dorothy—English				
A.B., 1916		*	†	*Urbana*
Sutcliffe, Emerson Grant—English				
A.B. (*Harvard Univ.*) 1911				
A.M., 1914		*	†	*Urbana*
Swift, Lola Ernesta—Zoology				
A.B. (*Mt. Morris Coll.*) 1911		*	†	*DeKalb*
Sydenstricker, Harry Sidney—Entomology				
B.S. (*West Virginia Univ.*) 1914		*	†	*Morgantown, West Virginia*
Talbot, Kenneth Hammet[1]—Civil Engineering				
B.S., 1909				*Pittsburgh, Pennsylvania*
Talbot, Mildred Virginia—Education				
A.B., 1912	SS			*Urbana*
Tanabe, Stetfan Fugta—Research Fellow in Physics				
B.S. (*Knox Coll.*) 1911				
M.S., 1914		*	†	*Tokyo, Japan*
Taylor, Scott Champlin—Chemistry				
B.S., M.S., 1913, 1915	SS	*	†	*Bement*
Teare, John Lawrence—Scholar in Political Science				
A.B. (*Monmouth Coll.*) 1916		*	†	*Monmouth*

[1]Candidate for professional degree in engineering.
[2]In Graduate Courses in Medical Sciences, offered in Chicago, Summer Session, 1916.

Tebbe, Gerald Stamper—Scholar in Educational Psychology A.B., A.M. (*Univ. of Oklahoma*) 1915, 1916		* †	*Perry, Oklahoma*
Tehon, Leo Roy—Botany A.B. (*Univ. of Wyoming*) 1916		* †	*Laramie, Wyoming*
Templin, Richard Laurence—Research Fellow in Theoretical and Applied Mechanics B.S. (*Univ. of Kansas*) 1915		* †	*Minneapolis, Kansas*
Thompson, Francis—Education A.B., 1915	SS		*Pinckneyville*
Thurber, Carryl Nelson—English Literature A.B. (*Cornell Univ.*) 1908		* †	*Richmond Hill, New York*
Tieje, Ralph Earle—Fellow in English A.B., A.M., 1910, 1912		* †	*Champaign*
Tohill, Louis Arthur—American History A.B., A.M., 1912, 1914		* †	*Flat Rock*
Torrence, Helen Nettie—Latin A.B. (*Monmouth Coll.*) 1911	SS		*Hanover*
Towns, Orla Alamon—History A.B., 1912	SS		*Macomb*
Townsley, Fred Delzell—Education A.B. (*Wabash Coll.*) 1911	SS		*Idaville, Indiana*
Turner, Frank Clayton—Education B.S., 1914	SS		*DuQuoin*
Uhlendorf, Bernhard Alexander—German Literature A.B., A.M. (*Washington Univ.*) 1916		* †	*St. Louis, Missouri*
Ulich, Lynne H—Chemistry B.S. (*Grinnell Coll.*) 1914		* †	*Villisca, Iowa*
Ulrici, Helena Marie—Scholar in German A.B. (*Rockford Coll.*) 1915		* †	*Rockford*
Updegraff, Helen—Chemistry A.B. (*Cornell Univ.*) 1915		* †	*Vallejo, California*
Urban, Harvey Benjamin—Education A.B., 1908	SS		*Urbana*
Vail, Harold Parsons—Research Scholar in Mechanical Engineering, B.S. (*Pennsylvania State Coll.*) 1916		* †	*Erie, Pennsylvania*
Van Alstine, Ernest—Agronomy B.S. (*Michigan Agr. Coll.*) 1907		* †	*Urbana*
Van Winkle, William Alexander—Industrial Chemistry B.S. (*Univ. of Michigan*) 1911		* †	*Bay City, Michigan*
Vanzee, George Wallace—Zoology B.S. (*Central Coll., Pella, Iowa*) 1915		* †	*Pella, Iowa*
Voigt, Edwin Frederick—Bacteriology B.S. (*Purdue Univ.*) 1915		*	*Camden, New Jersey*
Vollweiler, Ernest Henry—Organic Chemistry A.B. (*Miami Univ.*) 1914 A.M., 1916		* †	*Shandon, Ohio*
Voorhees, Laurence Elmer—Physics A.B., 1916		* †	*Upper Alton*
Wade, Vernon Matthew—Chemistry B.S. (*Shurtleff Coll.*) 1916		* †	*Alton*
Wait, Bernice Cornelia—Household Science B.S. (*McKendree Coll.*) 1914		* †	*Greenville*
Waldo, Edward Hardenburgh[1]—Electrical Engineering A.B. (*Amherst Coll.*) 1898			*Urbana*
Walker, George William—Agronomy B.S., 1916		* †	*Mackinaw*
Walker, Quinton Forrest—Economics A.B., M.A. (*Univ. of Michigan*) 1911, 1915		* †	*Jackson, Michigan*
Walworth, Edward Harvey—Agronomy B.S., 1913		* †	*Urbana*
Wang, Chi Nyok—Botany A.B. (*Mount Holyoke Coll.*) 1916		* †	*Soochow, China*
Wang, Te Chang—Animal Husbandry B.S., 1916	SS	*	*Soochow, China*
Warner, Earle Horace—Physics A.B. (*Univ. of Denver*) 1912 A.M., 1914		* †	*Urbana*
Warren, George Edward[1]—Civil Engineering B.S., 1912			*Chicago*
Watson, Jane Coulson—Spanish A.B., 1915		* †	*Champaign*
Weese, Asa Orrin—Zoology B.S. (*Univ. of Minnesota*) 1909	SS		*Hutchinson, Minnesota*
Weese, Josephine Mousley—History A.B. (*Univ. of Minnesota*) 1909	SS		*Litchfield, Minnesota*
Weeter, Harry Montgomery—Dairy Bacteriology A.B. (*Allegheny Coll.*) 1911	SS	* †	*Fredell, Pennsylvania*
Weiland, Henry Joseph—Physical Chemistry B.S. (*Univ. of Rochester*) 1913 M.S., 1915	SS	* †	*Pittsford, New York*
Weirick, Robert Bruce—English A.B. (*Colorado Coll.*) 1911 A.M. (*Harvard Univ.*) 1913		* †	*Urbana*

[1]Candidate for professional degree in engineering.

Weiss, Camillo—Fellow in Civil Engineering
C.E. (*Kaiserlich-Koenigliche Technische Hochschule, Vienna, Austria*) 1910 * † *Vienna, Austria*
Wellman, Orpha May—English
A.B., A.M., 1911, 1913 SS *Champaign*
Wells, Lansing Sadler—Inorganic Chemistry
A.B. (*Univ. of Montana*) 1915 * † *Helena, Montana*
Westhafer, Terrence Onas—Industrial Chemistry
A.B. (*Univ. of Oklahoma*) 1914
M.S., 1916 * † *Urbana*
Whisenand, James Wilbur—Animal Husbandry
B.S. (*Univ. of Nebraska*) 1914
M.S., 1916 * † *Urbana*
White, Marian Elizabeth—English
A.B. (*Mount Holyoke Coll.*) 1902 * † *Newton, Massachusetts*
Whitford, Robert Calvin—English
A.B. (*Coll. of the City of New York*) 1912
A.M. (*Columbia Univ.*) 1913 * † *Urbana*
Whitson, Anna Verlinda—English
A.B. (*Oxford Coll. for Women*) 1915 * † *Marion, Indiana*
Wichers, Edward—Fellow in Inorganic Chemistry
A.B. (*Hope Coll.*) 1913
M.S., 1915 * † *Zeeland, Michigan*
Wichmann, Gerold Carl—Psychology
A.B. (*Univ. of Chicago*) 1914 * † *Laramie, Wyoming*
Wiebe, Herman H—German Literature
A.B. (*Univ. of Nebraska*) 1913
A.M. (*Univ. of Wisconsin*) 1916 * † *Beatrice, Nebraska*
Wiedrick, Jacob Christian—Education
A.B. (*Emporia Coll.*) 1913 SS *Princeton*
Wilcox, Roy Harold—Animal Husbandry
B.S. (*Minnesota Agr. Coll.*) 1915 * † *Minneapolis, Minnesota*
Willard, Charles Julius—Agronomy
B.S., 1910 * † *Urbana*
Williams, Lewis Ward—Education
B.Ph. (*Hiram Coll.*) 1909 * † *Marshall*
Williams, Roy Arlyn—Education
A.B. (*DePauw Univ.*) 1912 SS *Bismarck*
Williams, Walter Leonard—Animal Husbandry
B.S. (*Ohio State Univ.*) 1914 * † *Wilmington, Ohio*
Wilson, Frank Boyden—English
B.S. (*Fisk Univ.*) 1914 SS *St. Louis, Missouri*
Wilson, William Harold, Fellow in Mathematics
A.B. (*Albion Coll.*) 1913
A.M., 1914 SS * † *Champaign*
Winkelmann, Herbert August—Organic Analysis
B.S. (*North-Western Coll.*) 1914
M.S., 1915 * † *Appleton, Minnesota*
Witmer, Samuel Wenger—Botany
A.B. (*Goshen Coll.*) 1914
A.M. (*Univ. of Wisconsin*) 1915 SS *Sondersburg, Pennsylvania*
Wolcott, George Norton—Fellow in Entomology
M.S. (*Cornell Univ.*) 1914 * † *Utica, New York*
Wollenhaupt, Walter Franz—Education
B.Ph. (*Ohio Wesleyan*) 1908 SS *Villa Grove*
Wright, Agnes—History
A.B., 1916 † *Charles City, Iowa*
Wright, Charles Henry—Education
B.S. (*Wesleyan Univ.*) 1907 SS *McLean*
Yapp, William Wodin—Genetics
B.S., M.S., 1911, 1914 * † *Urbana*
Yntema, Leonard Francis—Inorganic Chemistry
A.B. (*Hope Coll.*) 1915 * † *Holland, Michigan*
Young, Dale S—Scholar in Mathematics
B.S. (*Hedding Coll.*) 1916 * † *Abingdon*
Young, Esther—Plant Pathology
A.B. (*Miami Univ.*) 1914
A.M., 1915 SS * † *Indianapolis, Indiana*
Yuasa, Hachiro—Scholar in Entomology
B.S. (*Kansas State Agr. Coll.*) 1915 * † *Tokyo, Japan*
Yuncker, Mrs. Ethel Cloflin—Household Science
B.S. (*Michigan Agr. Coll.*) 1915 * † *Champaign*
Yuncker, Truman George—Botany
B.S. (*Michigan Agr. Coll.*) 1914
A.M. (*Univ. of Nebraska*) 1915 * † *Lansing, Michigan*
Ziesenheim, Joseph Rossiter—Animal Husbandry
B.S. (*Pennsylvania State Coll.*) 1915 SS *Avonia, Pennsylvania*
Zimmermann, Robert Paul—German
A.B., 1913 * † *Champaign*

UNDERGRADUATE AND PROFESSIONAL COLLEGES AND SCHOOLS IN URBANA, 1916–17

(Including the Colleges of Liberal Arts and Sciences, Commerce and Business Administration, Engineering, Agriculture, and Law, the One-year Medical College, the Library School, and the School of Music)

ABBREVIATIONS

Curriculums

Arch	Architecture	LAS	General Liberal Arts and Sciences
AE	Architectural Engineering	Lib	Library Science
Agr	Agriculture	MdP	Medical Preparatory
CE	Civil Engineering	Med	One-year Medical
CerE	Ceramic Engineering	ME	Mechanical Engineering
Chem	Chemistry	MinE	Mining Engineering
ChE	Chemical Engineering	MSE	Municipal and Sanitary Engineering
Com	Commerce and Business Administration	Mus	Music
EE	Electrical Engineering	RCE	Railway Civil Engineering
HSAgr	Household Science, Agriculture	REE	Railway Electrical Engineering
HSLAS	Household Science, Liberal Arts and Sciences	RME	Railway Mechanical Engineering
		Sp	Special
Law	Law	SS	Summer Session (1916)

Name	Curriculums	Credit Hours[1]	Residence
Abbott, Howard Green	*Agr*	67	* †[2] *Morrison*
Abernathy, Clara Louise	*Lib*		* † *Des Moines, Iowa*
Abraham, Lucile Hannah	*LAS*		* † *Moline*
Abrahams, Samuel	*LAS*		* † *Oblong*
Abrams, Ella	*HSLAS*	97½	* † *Chicago*
Abt, Burl Raymond	*Com*	15	† *Chicago*
Acer, Charlotte Weld	*HSLAS*		* † *Medina, New York*
von Ach, Frank Claire	*Com*	66	* † *Davenport, Iowa*
Acker, Arthur Louis	*SS*		*Springfield*
Ackerson, Esther Mae	*HSLAS*	102	* *Westfield, Indiana*
Ackert, Alice Nowell	*Agr (SS)*	84½	* † *Dixon*
Ackert, Harris LeRoy	*Agr*	30	* † *Dixon*
Adams, Allan Madison	*Agr*	101	* † *Stuttgart, Arkansas*
Adams, Alvin James	*ComSp*		* † *Williamsfield*
Adams, Harold Vincent	*SS*	7	*Galesburg*
Adams, Hurd Curtiss	*Agr*		* † *El Paso*
Adams, Leota Valentine	*HSLAS (SS)*	91	* † *Princeville*
Adams, Pauline Hopkins	*LAS*	115	* *Grand Rapids, Michigan*
Adams, Warren David	*AE*	38½	* † *Scales Mound*
Adams, William Clarence	*CE*	15	* † *St. Louis, Missouri*
Adamson, Glen Steidley	*ME*		* † *Moweaqua*
Adler, Eugene Max	*Com*	31	* *Mattoon*
Adler, Leon	*ChE*	112	* † *St. Louis, Missouri*
Adsit, Lois Cornelia	*HSLAS*	28	* † *Wellington*
Affolter, Priscilla Viola	*LAS*		* † *Maywood*
Agg, Sarah	*HSAgr (SS)*	107	* † *Evansville, Indiana*
Agnew, Beulah Irene	*LAS*	101	* † *Villa Grove*
Agnew, David Reed	*CE*		* *Chicago*
Agramonte, Roberto	*Agr*		* † *Arequipa, Peru*
Ahlers, Ophelia	*LAS*	31	* † *Staunton*
Aikman, Eliah James	*AgrSp*		* † *Marion*
Ainsworth, Madalane Zelomia	*LAS (SS)*	70	* † *Chicago*
Albaugh, Hazen Lowell	*Com*	96½	* † *Berwyn*
Albaugh, Kathryn Rebecca	*HSLAS*	60	* † *Berwyn*
Albee, Archie Delbert	*Com*		* † *Urbana*
Albee, Chester Leon	*Agr*	83	* † *Urbana*
Albert, Harry Dee	*Com (SS)*	80	* † *Mansfield*
Alberts, Dorothy Alvena	*HSLAS*		* † *Champaign*
Albrecht, Daniel Arthur	*Agr (SS)*	144½	* *Champaign*
Albright, Ivan Lorraine	*Arch*		* † *Hubbard Woods*
Albright, Joseph Clarence	*ME*	73	* † *Rossville*
Albright, Malvin Man	*Arch*		* † *Hubbard Woods*
Alcock, Warren Joseph	*ME*	71	* † *Chicago*
Alderson, Edmund Waldo	*Com*		* † *Chicago*
Aldrich, Richard Lewis	*LAS*		* † *Earlville*

[1] Computed October 1, 1916.
[2] Attendance, first semester, indicated by asterisk (*); second semester, by dagger (†).

Alesen, Lewis Albert	*LAS (SS)*	69½	*	†	*Chicago Heights*
Aleshire, Margaret	*HSLAS*	17	*	†	*Chicago*
Alexander, Louis Jessup	*Arch*	35	*	†	*Los Angeles, California*
Alison, Newton Vincent	*Com*		*	†	*Champaign*
Allaben, John Everett	*Agr (SS)*	24	*		*Rockford*
Allen, Artemus Floyd	*MinE*		*	†	*Morning Sun, Iowa*
Allen, Cecil Violet	*HSLAS*	32	*	†	*Broadlands*
Allen, Edmund Turney	*Agr*		*	†	*Morgan Park*
Allen, Frank Oscar	*Agr (SS)*	154½	*	†	*Clinton*
Allen, Franklin Hendry	*CE*		*	†	*Oak Park*
Allen, Harriet Ethel	*SS*	5½			*Waverly*
Allen, Harriet Horton	*HSAgr*	64	*	†	*Delavan*
Allen, Harry Kenneth	*Com*		*	†	*Broadlands*
Allen, Hester Ada	*SS*	102			*Delavan*
Allen, Lawrence Holt	*Com*		*	†	*Indianapolis, Indiana*
Allen, Lucy Elizabeth	*HSAgr*	107	*	†	*Delavan*
Allen, Lura Edna	*SS*	5½			*Waverly*
Allen, Raymond Earl	*ME*		*	†	*Chicago*
Allen, Theodore Raymond	*Agr*		*	†	*Delavan*
Allen, William Robert	*AE*		*		*Peoria*
Allhands, Cashius Lyle	*Agr*	112½	*		*Watseka*
Allison, Everett Harmen	*LAS*		*	†	*East St. Louis*
Allison, John Clifton	*Agr sp*		*	†	*Charleston*
Allison, Leslie Reed	*LAS*		*	†	*East St. Louis*
Allman, Delmar Isaac	*Agr*		*	†	*Urbana*
Allman, John Claude	*CE*	36	*	†	*Crown Point, Indiana*
Allyn, Hester Anne	*HSLAS*	95	*	†	*Urbana*
Allyn, Norman Barnes	*Com (SS)*	24	*	†	*Springfield*
Almond, Harry Havens	*Com*	86	*	†	*Anderson, Indiana*
Alsop, Thomas Vincent	*SS*	8½			*Sorento*
Alt, Frank Henry, Jr.	*Agr*		*		*Chicago*
Althaus, Florence Gertrude	*LAS*	22½	*	†	*Belvidere*
Alverson, Ruth Amelia	*LAS*	64	*	†	*Urbana*
Alwood, Clyde Gobel	*Agr*	98	*	†	*Clinton*
Alwood, Fred Ward	*LAS*		*	†	*Clinton*
Amana, Alfred	*LAS*	32	*	†	*Honolulu, Hawaii*
Ambruster, John Rea	*Agr*	99	*	†	*Chicago*
Ames, Albert Carder	*LAS*	94	*	†	*Riverside*
Ames, Carlton Chester	*EE*		*	†	*Grayslake*
Ames, Waldo Boynton	*Com*	92	*	†	*Oak Park*
Amsterdam, Harry, A.M., 1916 A.B. (*Lake Forest Coll*) 1915	*Lib*		*	†	*Urbana*
Anastassiades, Ernest	*CE*	70	*	†	*Athens, Greece*
Anderson, Barney Ernest	*SS*				*Rockford*
Anderson, Carl Leonard	*Com*	71	*	†	*Hudson, Wisconsin*
Anderson, Charles Wesley	*LAS*	102½	*	†	*Dixon*
Anderson, Clarence	*EE*	72	*		*Taylorville*
Anderson, Dwight	*AE*		*	†	*Taylorville*
Anderson, Earl William	*LAS*	60	*	†	*Charleston*
Anderson, Elda Victoria	*HSAgr*	60	*	†	*DeKalb*
Anderson, Mrs. Elsie Osborne	*LAS (SS)*	67	*	†	*Urbana*
Anderson, Ernest Edward	*EE*	30	*	†	*Chicago*
Anderson, Esther Dorothy	*SS*				*Marinette, Wisconsin*
Anderson, George Arthur	*AE*		*	†	*Long Beach, California*
Anderson, George Harold	*MinE*		*	†	*Lake Forest*
Anderson, Harold	*Com*	5	*	†	*Paxton*
Anderson, Harold Irwin	*LAS*		*	†	*York, Nebraska*
Anderson, Jennie	*MdP (SS)*	70	*	†	*Oklahoma City, Oklahoma*
Anderson, Joshua Clayton	*Agr (SS)*	101	*	†	*Williamsport, Indiana*
Anderson, LeRoy McKinley	*EE*		*	†	*Chicago*
Anderson, Lester Adrian	*Agr*		*	†	*Leland*
Anderson, Lucile Miriam	*HSLAS*	25		†	*Martinsville, Indiana*
Anderson, Olive Matilda	*HSAgr*	96½	*	†	*Chicago*
Anderson, Paul Alexander	*LAS*	34	*	†	*Chicago*
Anderson, Perry John	*Com*	49	*	†	*Urbana*
Anderson, Roy B	*Agr*	75	*	†	*Winnebago*
Anderson, Roy Taylor	*AE*		*	†	*Evansville, Indiana*
Anderson, Stanley Davis	*Arch*	109	*	†	*Lake Forest*
Anderson, Walter Henry	*Com*		*	†	*Rockford*
Anderson, William Wilson	*Agr*	122	*		*Ohio*
Andreas, Lewis Peter	*Com*	36		†	*Sterling*
Andren, Erland Frederick	*LAS*		*	†	*Gary, Indiana*
Andrews, Elizabeth	*HSLAS*	32	*	†	*Urbana*
Andrews, Frank Monroe	*EE*		*	†	*Dundee*
Andrews, Howard Milo	*LAS*		*		*Chicago*
Andrews, John Harley	*Com*	32	*	†	*Champaign*
Andrews, Leonard Elmer	*Com*	22	*	†	*Oak Park*
Andrews, Mae Blanche	*SS*				*Rockford*
Andrews, Mary Alberta	*HSLAS*	60	*	†	*Pana*
Andrews, Robert Eugene	*Agr*	63	*	†	*Chicago*
Andrews, Ruth Helen	*LAS (SS)*	59	*	†	*Urbana*
Andrews, Thomas Carr	*Com*	30		†	*Woodstock*
Andrist, Victor Rudolph	*SS*	10½			*West Concord, Minnesota*
Antenen, Harry George	*Arch*	71	*	†	*Hamilton, Ohio*
Antoszewski, Robert Horatius	*Agr*	85	*	†	*Glencoe*

Appel, Robert Everett	*LAS*		*	†	*Springfield*
Appelgran, Clarence Oliver	*Agr*	*99*	*		*Chicago*
Apple, Russell Evans	*Agr*	*69*	*	†	*Robinson*
Apple, Wilbur Martin	*SS*	*7*			*Miamisburg, Ohio*
Archbold, Harold Herbert	*EE*	*33*	*	†	*Brookfield*
Arends, Annis Lilian	*HSLAS (SS)*	*98*	*		*Champaign*
Arends, Arthur	*Agr*	*95*	*	†	*Melvin*
Argo, David	*EE*	*57*	*	†	*Urbana*
Armington, Clara Grace	*Mus*	*67*	*	†	*Dixon*
Armitage, Mrs. J. H.					
A.B. (*Albion College*) 1913	*SS*				*Sheldon*
Armitage, James Howard	*SS*				*Sheldon*
Armstrong, Alice Nona	*LAS*	*93*	*	†	*Tolono*
Armstrong, Arlo James W	*LAS*	*36*	*	†	*Rochester, New York*
Armstrong, Donald Alfonso	*LAS*	*63*	*	†	*Metropolis*
Armstrong, Elizabeth Emily	*SS*	*62*			*Champaign*
Armstrong, Hazel Irene	*Mus (SS)*	*38*	*	†	*Champaign*
Armstrong, Horace	*Com*	*56*	*	†	*River Forest*
Armstrong, James William	*LAS*		*	†	*Centralia*
Armstrong, John Harold	*LAS (SS)*	*104*	*	†	*Champaign*
Armstrong, Oliver Milton	*ME*	*35*	*	†	*Rochester, New York*
Armstrong, Paul Leo	*LAS*	*63*	*	†	*River Forest*
Armstrong, Thomas Hunter	*LAS*	*31*	*	†	*Mound City*
Armstrong, Wilber Price	*LAS*		*	†	*Springfield*
Arndt, Paul, Jr.	*Agr*	*94*	*	†	*St. Charles, Missouri*
Arnett, Anna Ruth	*LAS*	*21*	*	†	*St. Louis, Missouri*
Arney, Paul Wayne	*Com*		*		*Casey*
Arnold, Charles Vincent	*Agr*		*	†	*LaGrange*
Arnold, Howard Shaver	*Agr*	*68*	*	†	*Ottawa*
Arnold, Orville Dayton	*LAS*	*22⅓*	*	†	*Browning*
Arntzen, Inga Irene	*LAS*	*83¼*	*	†	*Sycamore*
Atrick, Herbert McClain	*RME*		*	†	*Logansport, Indiana*
Asai, Seiji	*Com (SS)*	*93*	*	†	*Kyoto, Japan*
Ash, Ian Henry	*Agr*	*24*	*	†	*Oneida*
Ash, James Landreth	*LAS*	*63*	*	†	*Philadelphia, Pennsylvania*
Ashby, Ernest Van Allen	*Arch*		*	†	*Berwyn*
Astell, Louis Alexander	*MdP*		*	†	*Homer*
Atherton, Harold	*AE*	*20*		†	*Anderson, Indiana*
Atkins, Millicent	*HSAgr*	*31*	*	†	*Evansville, Indiana*
Atkins, Milo Pitney	*Arch*		*	†	*Freeport*
Atkinson, Margaret Hazel	*LAS*		*		*Delphi, Indiana*
Attebery, Hazel	*LAS*	*62*	*	†	*Hillsboro*
Atwell, Donald Burgess	*LAS*	*21*	*	†	*Chicago*
AuBuchon, Joseph Montgomery	*EE*	*71*	*	†	*Oak Park*
Augustus, Lailah Marie	*HSLAS (SS)*	*105*	*	†	*Champaign*
Auld, Ernest Roland	*Agr*	*69*	*	†	*Martinsville*
Ausbrooks, Jacob Henry	*Agr sp*		*	†	*Dongola*
Avery, Guy Thomas	*ME*	*107½*	*	†	*Three Rivers, Michigan*
Avery, Rowland Alonzo	*Agr*	*83*	*	†	*Santa Fe, New Mexico*
Axline, Edward Springer	*Com*	*100½*	*	†	*Wenona*
Azarraga, Francisco	*SS*	*22*			*Calivo, Capiz, P. I.*
Babcock, Dan	*AE*	*109*	*	†	*Anderson, Indiana*
Bach, Alfred Erwin	*Arch*		*	†	*Fairbury*
Bachman, Mildred Elizabeth	*Mus*		*	†	*Tiskilwa*
Bachman, Myron Cole	*ME*		*	†	*Minot, North Dakota*
Bacon, Carl Alfons	*ME*	*71*	*	†	*Chicago*
Bacon, Guy	*Agr*		*	†	*McHenry*
Bacon, Oliver Greene	*Agr*	*81⅓*	*	†	*Harlan, Iowa*
Badger, Carroll John	*Agr (SS)*	*45½*	*	†	*Maury City, Tennessee*
Badger, Eunice Louise	*LAS (SS)*	*74*	*	†	*Riverside*
Badollet, Marion Smith	*ChE*	*24*	*		*Vincennes, Indiana*
Baechler, Matilda May	*HSAgr (SS) sp*	*83*	*	†	*Grant Park*
Baer, Sandford Joseph	*LAS*	*5*	*	†	*Murphysboro*
Baethke, Lilian Henrietta	*HSLAS*		*	†	*Glen Ellyn*
Bahe, Dorothy Virginia	*LAS*	*34*	*	†	*Chicago*
Bailey, Alice Lillian	*HSLAS*		*	†	*Geneva*
Bailey, Earl Willis	*LAS*	*58*	*	†	*Bocdy*
Bailey, Hamilton Renward	*LAS*		*	†	*Peoria*
Bailey, La Force, B.S., M.S., 1915, 1916	*SS*				*St. Charles*
Baird, Chester Anthony	*LAS*		*	†	*Park Ridge*
Baker, Clarence Everett	*Agr*	*31*	*	†	*Champaign*
Baker, Earl Boggess	*CerE*	*36*	*	†	*Fairmount*
Baker, Eldred Benjamin	*Com*		*	†	*Riverside*
Baker, Ernest Monroe	*SS*	*10½*			*Rome, New York*
Baker, Flora Elizabeth	*LAS*		*	†	*Decatur*
Baker, Fred Phelps	*ChE*	*72*	*	†	*Denver, Colorado*
Baker, Gerald Clifford	*LAS*	*100*	*	†	*Bement*
Baker, Guy	*EE*	*36*	*	†	*Orlando, Oklahoma*
Baker, Harold Griffith	*LAS*		*	†	*East St. Louis*
Baker, John Babcock	*Ch E*		*	†	*Portiac*
Baker, Lloyd Garrison	*Agr sp*		*		*La Moille*
Baker, Walter Riley	*Agr sp*		*	†	*LaFayette, Indiana*
Balbach, Nyle Jacob	*Com*	*65*	*	†	*Chenoa*
Balch, Nellie Allison	*HSAgr*	*32*	*	†	*Lerna*
Balderson, Ted Albert	*AE*	*107*	*	†	*Wilber, Nebraska*

Baldwin, Arthur Ernest	*Com*	*4*	*	†	*Danville*
Baldwin, Margaret Helen	*HSLAS*	*95*	*	†	*Ottawa*
Baldwin, Milton Ford	*LAS*	*19*	*		*New Haven, Connecticut*
Ball, Frederic Dunham	*LAS*	*65*	*	†	*Clinton*
Ball, Lee Cleveland	*SS*	*8*			*Worthington, Indiana*
Ball, Mary Elsie	*HSLAS (SS)*	*100*	*	†	*Rossville, Indiana*
Ball, Mary Myrtle	*LAS*		*	†	*Webb City, Missouri*
Ballinger, Ione Fredericks	*HSLAS*	*34*	*	†	*Chenoa*
Bamesberger, Velda Christena	*LAS (SS)*	*83*	*	†	*Champaign*
Bamford, Thomas	*Agr*	*70*	*	†	*Barrow-in-Furness, England*
Bancroft, Anna Dewey	*LAS*	*33*	*	†	*Maywood*
Bandy, Lorenson	*ME*	*34*	*	†	*Lake City*
Banerjee, Monindra	*LAS*			†	*Calcutta, India*
Bangert, Clarence John	*Agr*	*33*	*	†	*Chicago*
Banister, Percival Bolling	*Eng*			†	*Omaha, Nebraska*
Bannen, Robert William	*Chem*		*	†	*Rockford*
Bannister, John Howard	*Agr*	*62*	*		*Kewanee*
Bannister, Laura Smith	*Agr*		*	†	*Kewanee*
Barackman, Hazel B	*HSAgr*	*28*	*	†	*Streator*
Baraglia, Victor Anthony	*ME*	*31*	*	†	*Chicago*
Barber, Hillis Elwyn	*Agr*	*67*	*	†	*LaFox*
Barber, Wilbur Barrett	*EE*	*75*	*	†	*Joliet*
Barcume, Lyle Nelson	*Arch*		*	†	*Los Angeles, California*
Bardwell, Conrad Morton	*LAS*	*36*	*	†	*Aurora*
Barker, Annie Eliza	*LAS*		*	†	*Bondville*
Barker, Edwin Franklin	*ME*	*147*	*	†	*Rock Island*
Barklage, Oliver Frederick	*EE*	*33*	*	†	*St. Charles, Missouri*
Barkow, Emory Merrill	*Agr*	*43½*	*	†	*Chicago*
Barkstrom, Edward Carl	*ME*	*136*	*		*Chicago*
Barkstrom, Walter Rudolph	*CE*	*54*	*	†	*Chicago*
Barlow, Ralph Frederick	*Com*		*	†	*Galva*
Barnaby, Jessie Miriam	*LAS*		*	†	*Greensburg, Indiana*
Barnard, Earl Morton	*Com*		*		*Muscatine, Iowa*
Barnes, Anne Atala	*LAS*		*	†	*Urbana*
Barnes, Clara Mae	*LAS*		*	†	*Albia, Iowa*
Barnes, Clifton Eugene	*ChE*	*35*	*	†	*Albion*
Barnes, Earl Convis	*REE*	*106*	*	†	*Decatur*
Barnes, Harold John	*Arch*	*108*	*	†	*Joliet*
Barnes, Helen Miriam	*LAS (SS)*	*100*	*	†	*Washburn*
Barnes, Helen Virginia	*SS*	*7*			*LaFayette, Indiana*
Barnes, Howell Hart	*Arch*	*31*	*	†	*Chicago*
Barnes, John Ellis Ransom	*SS*				*Cedar Falls, Iowa*
Barnes, Mary Grace	*Lib*	*36*	*	†	*LaFayette, Indiana*
Barnes, Winifred	*HSLAS*	*67*	*	†	*Kansas City, Missouri*
Barnett, Herman Kohlsaat	*LAS (SS)*	*43*	*		*Chicago*
Barnum, Edwin Croskey	*Agr*		*	†	*LeRoy*
Barnum, Richard Fyfe	*ME*	*131*	*		*LaGrange*
Barr, Forest Astley	*EE*	*37*	*	†	*Oak Park*
Barrett, Forrest Prow	*Com sp*		*		*Muncie, Indiana*
Barrett, Frank Newton	*Agr (SS)*	*88½*	*	†	*Chicago*
Barry, Forrest Martin	*Com*		*		*Rantoul*
Barry, Jennis Eulalia	*LAS (SS)*	*79*	*	†	*Champaign*
Bartels, Leo Franz	*Com*		*	†	*Hamilton, Ohio*
Bartels, Minnie	*LAS (SS)*	*96½*	*	†	*Chicago*
Bartholomew, Charles William	*Com sp*		*		*Bowen*
Bartholomew, Herbert	*Com*	*32*	*	†	*Indianapolis, Indiana*
Bartholomew, Ruth Porter	*LAS*	*45⅚*	*	†	*Table Grove*
Bartlett, Harry Owen	*Arch*	*105*	*	†	*Eau Claire, Wisconsin*
Bartlett, Lowell Wilson	*Com*	*23*	*	†	*Rockford*
Bartlett, William Henry	*Agr*		*	†	*Fairbury*
Bartley, Charles Austin	*Agr*	*34*	*		*Chicago*
Bartling, Arthur William	*EE*	*36*	*	†	*Litchfield*
Barto, Margaret Murray	*HSLAS*	*102*	*	†	*Urbana*
Bartos, Bohuslav	*CE*	*47*	*	†	*Chicago*
Bash, David Anderson	*Chem*	*26*	*		*Hannibal, Missouri*
Bass, Fred	*Agr*		*	†	*Armstrong*
Bass, Perkins Burnham, Jr.	*ME*		*	†	*Evanston*
Bassett, Homer Benton	*Com*		*	†	*Muskogee, Oklahoma*
Bast, Theodore Hieronymus	*SS*				*Rockfield*
Bastable, Frank George	*Com*		*		*Sycamore*
Bates, Charles Emmett	*CerE (SS)*	*101*	*	†	*Galesburg*
Batson, John Thaddeus	*ChE*	*55*	*	†	*Marshall*
Battaile, Sallie Catherine	*LAS*	*96*	*	†	*Champaign*
Battey, Bradford Reed	*Com*	*103*	*	†	*Urbana*
Battey, Leslie James	*ME*		*	†	*Tiskilwa*
Battey, Zilpha Curtis	*HSLAS (SS)*	*97*	*	†	*Urbana*
Bauder, Lewis Augustus	*Agr*	*98*	*	†	*Berwyn*
Bauer, Ezra Edward	*CE*	*35½*	*	†	*Toledo, Ohio*
Bauer, Irving Newell	*Agr*	*34*	*	†	*Compton*
Baum, George Humphrey	*Com*		*	†	*Morris*
Baum, Margaret Sutton	*LAS*	*34*	*	†	*Shelbyville*
Bauman, John Jay	*Arch*		*	†	*Davenport, Iowa*
Bayley, Emily Elizabeth	*LAS*		*	†	*Urbana*
Baysinger, Bertha May	*LAS*	*31*	*	†	*Aurora*
Baysinger, Walter George	*Agr*	*32*	*	†	*Aurora*

Beach, Clara May	*SS*	*3*			*Chicago*
Beach, Julian Burdette	*Agr*		*	†	*Ottawa*
Beadles, Jessie Rachel	*SS*	*1*			*Virginia*
Beals, Clarence Hubert	*Agr*	*10*	*	†	*Galva*
Beals, Roscoe Garfield	*SS*	*1*			*Westfield, Indiana*
Beaman, Earl Edwin	*ChE*		*	†	*Champaign*
Bean, John Mason	*Agr*		*	†	*Decatur*
Bean, Lillian Bertha	*LAS*	*99*	*	†	*Blue Mound*
Bear, Chester Randall	*Com*	*65*	*	†	*Ludlow*
Beard, Odian Swain	*LAS*	*24*	*	†	*Shabbona*
Beardsley, Henry Scovell	*Agr (SS)*	*82*	*	†	*Kansas City, Missouri*
Beattie, Dewey Thompson	*Agr*		*	†	*Sparta*
Beatty, Grace Elizabeth	*LAS (SS)*	*5*	*	†	*Urbana*
Beatty, Owen Chauncey	*Agr*	*69*	*	†	*Urbana*
Beaudry, Louis Hayne	*ChE*		*	†	*Chicago*
Beavers, Harrison Bruce	*Com*	*32*	*	†	*Washington, D. C.*
Beck, Gerald Eugene	*Arch*	*31*	*	†	*Long Beach, California*
Beck, Margaret Elizabeth Lister	*LAS*		*	†	*Chicago*
Beck, Ruth Marie	*HSLAS*	*63*	*	†	*Champaign*
Beckemeyer, Harry John	*SS*	*108¾*			*Beckemeyer*
Beckemeyer, Mary Brown	*SS*	*9½*			*Beckemeyer*
Becken, Albert Charles, Jr.	*LAS*		*	†	*Park Ridge*
Becker, Frederick William	*ME*		*	†	*Chicago*
Becker, John Haerms	*Agr*		*	†	*Bloomington*
Becker, Paul	*ME*	*111*	*	†	*Berwyn*
Becker, Walter Henry	*Com (SS)*	*94½*	*	†	*Chicago*
Bee, Winifred Marian	*LAS*	*67½*	*	†	*Chicago*
Beebe, Horace Newell	*CE*	*18½*	*	†	*Chicago*
Beeby, Ruth Alice	*SS*	*46*			*Urbana*
Beeman, Marion Roy	*Law*		*	†	*Robinson*
Beers, Barnette William	*MdP*		*	†	*Wheaton*
Beers, Otis Edward	*ME*	*125*	*	†	*Elkhart, Indiana*
Beesley, Charles	*LAS sp*		*	†	*Allendale*
Behel, Wesley Arthur	*Arch*	*108*	*	†	*Lake Bluff*
Behrens, Martin Albert	*Com*	*34*	*	†	*Crete*
Beidler, Herbert Bishop	*Arch*	*35*	*	†	*Auburn, Indiana*
Beien, Frank Michael	*Com*		*	†	*Sterling*
Belford, Hugh Othel	*SS*	*7½*			*Marion*
Bell, Cecile Mary	*LAS*	*36*	*	†	*West York*
Bell, Clarence James	*Com*		*	†	*Harvey*
Bell, Edith May	*LAS*		*	†	*Milton, Iowa*
Bell, Harold Philip	*Com*		*	†	*Chicago*
Bell, John Haslett	*Agr*	*71*	*	†	*Rushville*
Bell, Lowell Emma	*LAS*		*	†	*West York*
Bell, Norma Elizabeth	*LAS (SS)*	*107½*	*	†	*West York*
Bell, Olive Edna	*Mus*		*	†	*Elgin*
Bell, Robert Daniel	*Agr*		*	†	*Joliet*
Bellamy, John William	*AE*	*34*	*	†	*Sandoval*
Belleff, Vladimir T	*Agr*	*57*		†	*Stroumitza, Bulgaria*
Belle-Isle, Bertha	*Mus*			†	*Champaign*
Beloian, Haig	*Agr*			†	*Sivas, Turkey*
Bench, Stella Louise	*SS*	*89*			*Galena*
Benedict, Ralph Preston	*Com*	*10½*		†	*Omaha, Nebraska*
Benham, Norman Beach	*LAS*	*47*	*	†	*Crothersville, Indiana*
Benjamin, Sadie Mary	*LAS*	*120*	*	†	*Bloomington*
Bennehoff, John Stanley	*CE*		*	†	*Freeport*
Bennett, Basil	*Agr*	*65*	*	†	*Dudley*
Bennett, Emil Cline	*Agr*	*32*	*	†	*Dudley*
Bennett, Marie	*HSLAS (SS)*	*30*	*	†	*Champaign*
Bennett, Parker William	*Com*	*32*	*	†	*Metcalfe*
Bennett, Wayne Rosleyn	*Com*		*	†	*Washington*
Bennett, William Lee, A.B., 1902	*Agr*		*	†	*Urbana*
Benson, David Sol	*MinE*				*Indianapolis, Indiana*
Benson, Elmer Bernhard	*SS*	*8*			*Rock Island*
Benson, Eugene LeRoy	*CE*	*36*	*	†	*Batavia*
Benson, Lois Pope	*SS*	*81*		†	*Herrin*
Benthien, Hans J	*Agr sp*			†	*Tacoma, Washington*
Bentley, Beulah Beatrice	*LAS (SS)*	*53*	*	†	*Clinton*
Bentley, Bruce	*SS*				*Hampton, Virginia*
Bentley, Howard Hutson	*LAS*		*	†	*Clinton*
Benton, Curtis	*LAS*		*	†	*Bushnell*
Berg, Arvid Henry	*MdP*		*	†	*N. Crystal Lake*
Berg, Fred Leonard	*Com*	*54*	*	†	*Moline*
Bergen, Esther Lou, A.B., (*James Millikin University*) 1913	*Lib*		*	†	*Springfield*
Berger, Cora	*LAS*	*65*	*	†	*Davenport, Iowa*
Bergeson, J Melvin	*AE*	*50½*	*		*Earlville*
Bergman, Robert	*EE*	*41*	*		*Chicago*
Beringer, Uriel Barto	*Com*		*	†	*Hampton, Iowa*
Berlin, Harold Robert	*Arch*	*5*	*	†	*Chicago*
Bernard, Clifford Shaffer	*Arch*	*95⅞*	*	†	*Willman, Iowa*
Berner, Louis Rolland	*ChE*	*67*	*	†	*Indianapolis, Indiana*
Bernhardt, Wilbert	*CE*		*	†	*South Bend, Indiana*
Bernhisel, Luther Melanethon	*CE*		*	†	*Evanston*
Bernstein, Charles	*EE*	*21*	*		*Chicago*
Bernstein, Martin	*CerE*	*75*	*		*Chicago*

Berryman, Orus Kenneth	*LAS sp*		*	†	*Scottville*
Berryman, Paul Ruytter	*Com*	*66*	*	†	*Downers Grove*
Bess, Stanley John	*ME*	*102¾*	*	†	*Rosemond*
Best, Chester Lawson	*SS*	*15*			*Boswell, Indiana*
Best, Leon Henson	*Com*	*66*	*	†	*Galva*
Betz, Roscoe Richard	*Com*		*	†	*Oswego*
Beust, Carl	*Agr*	*50*	*	†	*La Crosse*
Bibo, Anna Mary	*SS*	*6*			*Peoria*
Bickel, John Joseph, Jr.	*Arch*	*36*	*	†	*Chicago*
Biedermann, Edward Adolph	*Agr*		*	†	*Oak Park*
Bierbaum, Elmer Alfred	*Agr*	*72*	*	†	*Alton*
Biesecker, Hiram Lewis	*LAS*		*	†	*White Heath*
Bigel, William, Jr.	*Agr.*	*120*	*	†	*Chicago*
Bigelow, Lorene Edith May	*Mus sp*		*	†	*Westfield*
Bigelow, Roy St. Lawrence	*REE*	*99*	*	†	*Chicago*
Bilderback, Gordon Butler	*Com*		*	†	*Champaign*
Bilik, Samuel	*Med sp*	*39½*	*		*Franklin Park, New Jersey*
Billman, Dale	*MdP*	*27*	*		*East St. Louis*
Binder, George Frederick	*Agr (SS)*	*93*	*	†	*Aurora*
Bing, Bertha Helen	*LAS (SS)*	*80*	*	†	*Urbana*
Bingham, William Frederick	*SS*	*13½*			*Wichita, Kansas*
Birchard, John Wesley	*ChE*	*89*	*	†	*Urbana*
Birchard, Leola Mary	*HSAgr*	*62*	*	†	*Urbana*
Birdzell, William Isaac	*Agr (SS)*	*38*	*	†	*Neoga*
Birks, John Milton	*Agr*	*61*	*	†	*Cornland*
Bisbee, Eleanor	*SS*	*6*			*Arlington Heights, Mass.*
Bishop, Blanche	*Mus*		*	†	*Danville*
Bishop, Walter Giles	*Arch*	*34*	*	†	*Auburn, Indiana*
Bitter, Hubert Cecil	*Com*		*	†	*Chicago*
Bivens, Jefferson Davis	*SS*	*6½*			*Tulia, Texas*
Black, Absolom Bradley	*SS*	*9*			*Eldred*
Black, Albert Gain	*Agr*	*20*	*	†	*Mapleton*
Black, Beryl A	*LAS (SS)*	*20*	*	†	*Paris*
Black, Robert Sommerville	*ME*	*104*	*	†	*Mendota*
Blackburn, Frederick Jackson, B.S., 1914	*SS*				*Hillsboro*
Blackstone, Abraham	*CE (SS)*	*76*	*	†	*Chicago*
Blackstone, Henry	*Chem*		*	†	*Chicago*
Blackwell, Maud Gwendolyn	*SS*				*Atwood*
Blaeuer, Herbert Spencer	*MSE*		*	†	*Carlinville*
Blair, Daniel Augustus	*LAS*	*33*	*	†	*Murphysboro*
Blair, Ralph Pratt	*Agr sp*		*	†	*Kewanee*
Blatchford, Charles Lord	*LAS*		*	†	*Chicago*
Bleamaster, Wilfred C	*SS*				
Bliss, Stanley Waters	*Arch*	*33*	*	†	*Little Rock, Arkansas*
Blix, Einar Thomas	*AE*	*91⅛*	*	†	*Fargo, North Dakota*
Block, Frieda Emma	*Mus*	*87*	*	†	*Champaign*
Blohm, George Charles	*LAS (SS)*	*116⅚*	*		*Chicago*
Bloodgood, Owen	*Com*		*	†	*Aurora*
Bloodgood, Wylie	*Arch*	*35*	*	†	*Aurora*
Bloom, Peter Earl	*Agr sp*	*49*	*	†	*Caddo, Oklahoma*
Bloom, Ralph Merrill	*EE*		*	†	*Chicago*
Bloomfield, Alice Sayers	*LAS (SS)*		*	†	*Urbana*
Bloomfield, Leonard	*SS*				*Elkhart, Wisconsin*
Blue, Glenn Noble	*LAS*		*		*Urbana*
Bluestein, Irwin Jerome	*Agr*	*32*	*	†	*Chicago*
Bluhm, Harold John	*ChE*	*111*	*	†	*Chicago*
Blum, Harry John	*Com*	*36*	*	†	*Chicago*
Boardman, Curtis Love	*Arch*	*71*	*	†	*Hoopeston*
Bock, Lawrence Palmer	*ChE*		*	†	*Fairbury*
Bodenschatz, Arthur H	*ME*	*40*	*	†	*Chicago*
Boehmer, Louise	*HSLAS*	*58*	*	†	*Springfield, Missouri*
Boellner, Virginia Mildred	*Com*		*	†	*St. Louis, Missouri*
Boerner, Eugene S	*Agr (SS)*	*103*	*	†	*Cedarburg, Wisconsin*
Boeschenstein, Charles Krome	*LAS*		*	†	*Edwardsville*
Boeschenstein, Harold	*Com*	*69*	*	†	*Edwardsville*
Boghigian, Khorene	*MdP*		*		*Erzraam, Khi, Armenia*
Bogue, Arthur Reuben	*Med*	*65*	*	†	*Dubuque, Iowa*
Bohannan, Francis Charles	*SS*	*3*			*Norton, Virginia*
Bohn, Elizabeth Hallam	*SS*	*33½*			*Centralia*
Bohn, Gerhardt Herman	*ME*	*2*	*	†	*Lockport*
Bohrer, William Leroy	*Com*	*29*	*	†	*Falls City, Nebraska*
Boice, Milford Coats	*EE*		*	†	*Champaign*
Bolen, Mabel Helen	*LAS*	*66*	*	†	*Kansas City, Missouri*
Boles, Stanley Atwood	*SS*	*7¾*			*Williamstown, Kentucky*
Bolger, Clarence James	*EE*		*	†	*Woodstock*
Bollman, Jesse Louis	*Med*	*84*	*	†	*Springfield*
Bollman, Marie Christine	*SS*	*12*			*Champaign*
Bolton, Ralph Waldo	*EE (SS)*	*87¼*	*	†	*Champaign*
Bolton, Wyman Jesse	*ME*	*72*	*	†	*Nauvoo*
Bon Durant, Walter Houton	*Com*	*74*	*	†	*Mishawaka, Indiana*
Bone, George Dewey	*Agr*		*	†	*Homer*
Bonnen, Clarence Alfred	*Agr*	*31*	*	†	*Gibson City*
Bonner, Arthur Lee	*SS*	*51*			*Champaign*
Booth, Earl Francis	*SS*	*24*			*Gardner*
Booth, Lyman	*Agr*	*101½*	*	†	*Marshall*

Borah, Loco Wilson	*Com*	*68*	*	†	*Urbana*
Borders, Horatio Abbey	*Com*		*	†	*Chicago*
Borg, Elmer Ambrose	*Agr*	*60*	*		*Stanton, Iowa*
Borgemeier, Caspar Oscar	*Com*		*	†	*Edwardsport, Indiana*
Borman, Mabel Mae	*LAS (SS)*	*96*	*	†	*Morrison*
Born, Charles Edgar	*Agr*	*67*	*	†	*Cerro Gordo*
Born, Ferdinand	*Com*		*	†	*Indianapolis, Indiana*
Born, Katherine Lois	*HSAgr*	*105½*	*	†	*Champaign*
Born, Ray	*Com*	*67½*			*Champaign*
Borton, Cecil Walden	*Com*	*99*	*	†	*Urbana*
Borucki, Louis F	*ME*	*68*	*	†	*Chicago*
Bosart, Hugh Allen	*Com*		*	†	*Olney*
Boston, Paul McConley	*Com*	*93*	*	†	*Yorkville*
Bosworth, Howard Ralph	*EE*		*	†	*Marseilles*
Bosworth, Walter Henry	*Com*	*64*	*	†	*Elgin*
Boudinot, Raymond	*Com*		*	†	*Davenport, Iowa*
Bowditch, Fred Tryon	*EE*	*36*	*	†	*Urbana*
Bowditch, Harvey Russell	*LAS*		*	†	*Urbana*
Bower, Harriet Jean	*HSLAS*		*	†	*Urbana*
Bower, Paul Eugene	*Agr*	*102*	*	†	*Urbana*
Bower, Raymond Gladstone	*ME*		*	†	*Urbana*
Bowersock, William Michael	*EE*	*43*	*	†	*Maroa*
Bowler, Jeannette Johnson	*LAS*		*	†	*Freeport*
Bowles, Frank Edward	*LAS*			†	*East St. Louis*
Bowles, Walter Sheriff	*MSE*	*36*	*	†	*Springfield*
Bowman, Emily Maurine	*LAS (SS)*	*94½*	*	†	*Pierceton, Indiana*
Bowman, John Evans	*CerE*		*	†	*East St. Louis*
Bowman, Mabel	*LAS*	*95*	*	†	*Danville*
Bowman, Newell	*ChemE*		*	†	*Carrollton*
Boyd, Ernest Roy	*AE*	*32⅝*	*		*Pingree, North Dakota*
Boyd, Lulu Stella	*SS*				
Boyd, Marian Cummings	*LAS*	*99*	*	†	*Sheffield*
Boyd, Richard Ray	*Arch*		*	†	*Pingree, North Dakota*
Boyd, Thomas Alexander	*Com*		*	†	*Lewistown*
Boyd, William Ralph	*Agr*		*	†	*Gays*
Boyer, Clarence Valentine, Ph.D.	*Mus sp*			†	*Urbana*
Boyle, Esther Hortense	*HSAgr*	*67*	*	†	*Hennepin*
Boyle, John Russell	*ME*			†	*Chicago*
Boyle, Ruth Frances	*LAS*		*	†	*Stonington*
Boyle, Violet Beatrice	*HSAgr*	*31*	*	†	*Hennepin*
Boynton, Reuben Riley	*Agr sp*		*		*Pleasant Plains*
Brabrook, Arthur Nelson	*Com*		*	†	*Oak Park*
Bracken, Dwight Funk	*Agr*		*	†	*Bloomington*
Bradbury, Marie Margaret	*HSLAS*		*	†	*Urbana*
Bradley, James Wallace	*Com*	*25*	*	†	*Centralia*
Bradley, LeRoy	*Arch*	*108*	*	†	*Ft. Wayne, Indiana*
Bradley, Loyd	*Law*	*103*	*	†	*Carbondale*
Bradley, Lucile	*Law*	*105*	*	†	*Carbondale*
Brady, George Keyports	*SS*				*Brooklyn, New York*
Brady, John Charles	*Agr*		*	†	*Amboy*
Brady, May Frances	*LAS*	*31*	*	†	*Champaign*
Brain, Oliver Galbraith	*EE*	*68*	*	†	*Chicago*
Brainard, Margaret	*SS*	*8*			*Metropolis*
Brame, Millard Everett	*Agr*		*	†	*LeRoy*
Bramlet, Hubert Butler	*LAS*	*103*	*	†	*Eldorado*
Brams, Julius	*MdP*	*38*	*	†	*Chicago*
Branch, William Ralph	*Agr*	*100*	*	†	*Champaign*
Brand, Marjorie Lilah	*LAS*	*85*	*	†	*Normal*
Brandon, Eugenia Josephine	*LAS*	*97*	*		*Farmer City*
Brandt, Richard Clarence	*ME*	*66*	*		*Evanston*
Branham, Marcus Huber	*ME*		*		*Urbana*
Bratten, Arno	*SS*	*28⅝*			*Creal Springs*
Brauer, Henry Ernest	*ChemE*		*	†	*Red Bud*
Brauer, Magdalene Anna	*SS*	*7*			*Red Bud*
Braun, George, Jr.	*Arch*	*35½*	*	†	*Chicago*
Braun, Richard George	*AE*	*94*	*	†	*Hamilton, Ohio*
Brauns, Helen Marie	*HSLAS*	*32*	*	†	*West Chicago*
Braunsdorff, Reginald Kenneth	*EE (SS)*	*71*	*	†	*Mattoon*
Bray, Eugene Carter	*ChE*		*	†	*Elizabeth*
Bray, Leonard Theodore	*Arch*	*20*	*		*Ironwood, Michigan*
Brazeau, Eugene Francis	*Com*	*93½*	*	†	*New York, New York*
Brazeau, Guy Stanton	*LAS*	*19*	*		*Nekoosa, Wisconsin*
Brazelton, Calanthe Miriam	*LAS (SS)*	*66*	*	†	*Greensburg, Indiana*
Brazelton, Florence Carter	*SS*	*4*			*Greensburg, Indiana*
Breathwit, Rachel Augusta	*LAS*		*	†	*Little Rock, Arkansas*
Brede, Erwin Charles	*Arch*		*	†	*Collinsville*
Brede, Lothar Homer	*Chem*	*68*	*	†	*Collinsville*
Breece, Howard David	*LAS*	*59*	*	†	*Mt. Vernon, Indiana*
Bregman, Walter Isadore	*Com*		*	†	*Chicago*
Bremer, Abraham Meyer	*Com*	*30*	*	†	*DePue*
Brennan, James Thomas, Jr.	*CE*		*	†	*St. Louis, Missouri*
Brennan, Wintress	*Lib*	*33*	*	†	*Ogden*
Brennerman, Charles Gage	*SS*	*132¾*			*Cairo*
Brewbaker, Harvey Edgar	*Agr*	*46*	*	†	*Bardolph*
Brewer, Clara Lucile	*SS*	*3*			*Urbana*

Brewster, Harold Spencer	*Agr (SS)*	70½	*	†	*Clayton*
Brewster, William Goddard	*Com*			†	*Chicago*
Breyfogle, Ruth Edith	*LAS*	*34*	*	†	*Crown Point, Indiana*
Brian, Lucia Beatrice	*LAS*		*	†	*St. Francisville*
Brickhouse, Linwood Leonard	*LAS*		*	†	*Little Rock, Arkansas*
Bridson, Myrtle Lillian	*HSAgr*		*	†	*Brimfield*
Briggs, Ben Herbert	*Com*	46½	*	†	*Minier*
Briggs, Flora Bernice	*HSAgr (SS)*	*103*	*	†	*Champaign*
Briggs, Thomas Howard	*SS*	*5*			*Fayette, Missouri*
Brigham, Erwin Risley	*Com*	*72*	*	†	*Chicago*
Brinkerhoff, George Norman	*LAS (SS)*	53½	*	†	*Springfield*
Brinkman, Richard Joseph	*Agr*		*	†	*Terre Haute, Indiana*
Bristol, Robert Stafford	*Com*		*	†	*Chicago*
Bristow, George Washington	*SS*	*131*			*Metropolis*
Britt, Charles Allen	*Agr*	*105*	*	†	*Ogden*
Britt, Marie Anne	*HSLAS*		*	†	*Freeport*
Britt, Raymond Lewis	*LAS*	*77*	*	†	*Freeport*
Brittin, William Allan, Jr.	*Agr*	*99*	*	†	*Virden*
Britton, Joseph Walter	*Chem*		*	†	*Rockville, Indiana*
Britton, Orville Stuart	*SS*	7½			*Viola*
Broadhurst, Maury Elizabeth	*HSLAS (SS)*		*	†	*Champaign*
Broadwell, Agnes Marie	*HSLAS*	*64*	*	†	*Fairbury*
Brock, Elmer Lorin	*SS*	24½			*Jeffersonville*
Brock, Thomas Hugh	*Agr*	*35*	*	†	*Waynesburg, Pennsylvania*
Brockmeier, Angelina Louise	*HSLAS*	*102*	*	†	*Freeport*
Brockmeier, Martha Matilda	*HSLAS*	*27*	*	†	*Freeport*
Brodbeck, Mary B.S. (*Northwestern University*), 1916	*HSLAS*		*	†	*Los Angeles, California*
Brodfuehrer, Fred Michael	*Agr*	*34*	*	†	*Chicago*
Brolin, Marion Theodora	*HSLAS*	*59*	*	†	*Rockford*
Bromm, Alvin Carl	*Agr*	*73*	*	†	*Evansville, Indiana*
Bronson, Paul Jones	*MdP*	*33*	*	†	*Terre Haute, Indiana*
Brook, Clarence Louis	*EE*		*	†	*Urbana*
Brooks, Charles Campbell	*Agr*	71½	*	†	*Kansas City, Missouri*
Brooks, Charles Wayland	*Com*		*	†	*Wheaton*
Brooks, Eula Margaret	*HSLAS (SS)*	*62*	*	†	*Urbana*
Brooks, Frederick Augustus	*EE (SS)*	11½	*	†	*Urbana*
Brooks, Hattie Estella	*HSLAS*		*	†	*Colorado Springs, Colorado*
Brooks, Joseph Chaney	*Agr*	*29*	*	†	*Forreston*
Brooks, Viola	*LAS*	*94*	*	†	*Urbana*
Broshar, Helen	*LAS*		*	†	*Champaign*
Brown, Allen Brookins	*LAS*	*102*	*	†	*Phoenix, Arizona*
Brown, Albert Willard	*SS*	134½			*Tiffin, Ohio*
Brown, Bruce Keith	*ChE*	*41*	*	†	*Wilmette*
Brown, Carter Pennell	*Agr*	*90*	*		*Normal*
Brown, Chester Galen	*Agr sp*		*	†	*Elwood*
Brown, Clarence Raymond	*Com*	24½	*		*Glencoe*
Brown, Dayton Reginald Eugene	*Arch*	*50*	*	†	*Chicago*
Brown, Dorothy Sargent	*HSLAS*	*98*	*	†	*Geneseo*
Brown, Edward Tilden	*ME*	*28*	*	†	*Batavia*
Brown, Elmer Clay	*ME*		*	†	*Champaign*
Brown, Elmer Ellsworth	*Agr*	*73*	*	†	*Noblesville, Indiana*
Brown, Era David	*Com*		*	†	*Urbana*
Brown, Grace Voris	*LAS*	*31*	*	†	*Findlay*
Brown, Harlow Wood	*Agr*	*100*	*	†	*Modesto*
Brown, Helen Dorsey	*Agr*	*113*	*	†	*Chicago*
Brown, Irwin Tucker	*Agr sp*	*59*		†	*Evanston*
Brown, James Lafferty	*Com*			†	*Peoria*
Brown, John Lawrence	*Com*	*103*	*	†	*Tiskilwa*
Brown, John Lyman	*ChE*	*95*	*	†	*Anderson, Indiana*
Brown, John Phineas	*Com*		*	†	*Wapello, Iowa*
Brown, Julius	*RCE*	*91*	*	†	*Chicago*
Brown, Lawrence Leo	*EE*		*	†	*Stonington*
Brown, Lelah C	*SS*	58¾			*Hillsboro*
Brown, Lewis Hallet	*Agr*	*16*	*	†	*Delavan*
Brown, Lloyd Waifield	*Agr*	½	*		*Decatur*
Brown, Lorene	*LAS*		*	†	*Genoa*
Brown, Lydia Louise	*LAS*		*	†	*Ridgefarm*
Brown, Marjorie	*SS*	6½			*Kewanee*
Brown, Paul Maurice	*Com*	*21*	*	†	*Nokomis*
Brown, Ralph Hadden	*Agr*		*	†	*Cutler*
Brown, Ralph Newton	*Agr*			†	*Greensburg, Indiana*
Brown, Ralph Powers	*CE*	*128*	*	†	*Chicago*
Brown, Tom	*AE (SS)*	*105*	*		*Winnetka*
Brown, Vergil Neal	*LAS*	64½	*	†	*Joliet*
Brown, Verla Lillian	*HSLAS*		*	†	*Wheaton*
Brown, Victor Israel	*SS*	*8*			*Oblong*
Brown, Walter William	*Agr*	*31*	*	†	*Quincy*
Brown, William Homer	*CE*		*		*Sycamore*
Browne, Kathryn Eleanor	*Mus (SS)*	*138*	*	†	*Chicago*
Browne, Richard Jerome	*EE*		*	†	*Waukegan*
Browne, William Harcourt	*LAS*	*65*	*	†	*Chicago*
Brownfield, Georgia	*HSAgr (SS)*	*97*	*	†	*Urbana*
Browning, John Roy	*Law*		*	†	*Golconda*
Browning, Thomas Samuel	*CerE*	*102*	*	†	*Benton*

Brownstein, Harry Joe	*ChE*		*	†	*Chicago*
Bruner, Georgia Faye	*LAS*	*31*	*		*Eldorado*
Bruner, Nellie	*LAS*			†	*Danville*
Brunker, Edith Winifred	*Agr sp*		*	†	*Riley, Indiana*
Brunkow, Norman Ferdinand, A.B., 1914	*AE*		*	†	*Dubuque, Iowa*
Brunnemeyer, Henry Raquet	*Agr*		*	†	*Aurora*
Bruns, Clansy Leslie	*EE*	*36*	*	†	*Hartsburg*
Brunskill, Eylar William	*Agr*	*99*	*	†	*Pontiac*
Brutus, Carl Russell	*ME sp*	*29*	*	†	*Champaign*
Brya, Edward Gunning	*Agr*	*73½*	*	†	*Tolono*
Brya, Edward Lewis	*Mus sp*		*	†	*Tolono*
Brya, Francis Erle	*Com*	*18*	*	†	*Tolono*
Brya, Leo Edward	*Agr sp*		*	†	*Champaign*
Bryan, Sarah Elizabeth, A.B., 1908; B.L.S., 1910	*Mus*		*		*Champaign*
Bryant, Mrs. Lela Crouch	*Mus*		*		*Shelbyville*
Bryant, Louis Ralph	*Agr*	*46½*	*	†	*Princeton*
Bryant, Lyle	*Chem*	*16*	*		*Clinton*
Bryant, Robert Alfred	*Com*	*71*	*	†	*LaGrange*
Buchanan, George Victor, Jr.	*LAS (SS)*	*29*	*		*Oklahoma City, Oklahoma*
Buchanan, Richard Bell	*Agr (SS)*	*116*	*	†	*Oklahoma City, Oklahoma*
Buchen, Helen Louise	*LAS*	*71*	*	†	*Montello, Wisconsin*
Buck, Harold Philbrick	*Arch*	*46*	*	†	*Chicago*
Buckler, Helen Irene	*LAS*	*2*	*	†	*Champaign*
Buckler, Joseph Bruce	*LAS (SS)*	*67*	*	†	*Metcalf*
Buckner, Dorothea Aurora	*LAS*		*	†	*Newark, New York*
Bucky, Philip Barnett	*MinE*		*	†	*Chicago*
Buehler, Albert Carl	*Agr*	*31*	*		*Chicago*
Buell, Charles Clinton	*LAS*	*82*	*	†	*Highland Park*
Buffum, Mary Susie, B.Ph., (*State University of Iowa*), 1905	*Lib*		*	†	*LeRoy, Iowa*
Buhrman, Elaine Louise	*LAS (SS)*	*103*	*	†	*Nashville*
Buhrman, William	*MdP*		*	†	*Nashville*
Bull, Willard Edwin	*EE*	*70*	*	†	*Elgin*
Bullard, Charles Elworthy	*Com*		*	†	*Maywood*
Bullis, Mefflin Charles	*Agr*		*	†	*Rollo*
Bullock, Geraldine Salisbury	*HSLAS*	*56*	*	†	*Tonica*
Bullock, Otis LeRoy	*Agr*	*23½*	*		*Elkhart, Indiana*
Bumann, Albert Theodore	*Chem*	*70*	*	†	*Litchfield*
Bumgarner, Ruth Subina	*LAS*	*99*	*	†	*McNabb*
Bunting, Loyd Daniel, A.B., 1916	*Law*		*	†	*Ellery*
Burgan, Laverne	*HSLAS*	*79*	*	†	*Champaign*
Burgee, Joseph Zeno	*LAS*			†	*Chicago*
Burger, Albert Harold	*Agr (SS)*	*105*	*	†	*Elgin*
Burgess, Oscar William	*LAS*	*67*	*	†	*Fairfield*
Burgess, Robert Earle	*LAS*		*		*Benton*
Burgett, Charles Culbertson	*Com*	*67*	*	†	*Newman*
Burgston, Clyde Harold	*Agr*	*98¼*	*	†	*Moline*
Burke, Edmund	*Com*	*61*	*	†	*Milwaukee, Wisconsin*
Burke, John Arthur	*ME*		*	†	*Champaign*
Burke, Mary Kathleen	*SS*				*Carlinsville*
Burke, William Fogarty	*Agr (SS)*	*65½*	*	†	*Lincoln*
Burleigh, Inez Lillian	*LAS*	*67*	*	†	*Crystal Lake*
Burleson, Howard Chauncey	*Com*		*	†	*Champaign*
Burley, Paul Brown	*EE*		*	†	*LaGrange*
Burns, Owen McIntosh, A.B., 1916	*Law*		*	†	*Danville*
Burns, Ralph Francis	*Com*		*	†	*St. Louis, Missouri*
Burns, Valerie Irene	*HSLAS*	*32*	*	†	*St. Louis, Missouri*
Burnside, Karl Ackerman	*AE*	*69*	*	†	*Orleans, Iowa*
Burrell, Beulah	*LAS (SS)*	*102*	*	†	*Effingham*
Burres, Opal	*SS*				*Urbana*
Burrus, Dorothy Dorsett	*LAS*		*	†	*Roswell, New Mexico*
Burton, Clifford Ketchum	*LAS*	*97½*	*	†	*Oak Park*
Burton, Malcolm Vreeland	*ChE*	*29*	*		*Aurora*
Burton, Richard Cole	*Agr*	*24½*	*	†	*Richmond*
Burwash, Grace Sarah	*LAS*	*49*	*	†	*Champaign*
Burwash, Lois Irene	*SS*				*Champaign*
Burwash, Louis Stephen	*Agr*	*101*	*	†	*Champaign*
Burwash, Lucie Pauline	*HSLAS*	*34*	*	†	*Champaign*
Burwash, Ruth Margaret	*HSLAS*	*37*	*	†	*Champaign*
Busey, Josephine Kathryn	*LAS*	*110*	*	†	*Urbana*
Busey, Margaret Jeanette	*LAS*		*	†	*Urbana*
Bush, Alexander T	*Chem (SS)*	*68½*	*	†	*Glencoe*
Bushing, Edna Louise	*LAS*		*	†	*Chicago*
Bushman, William Henry Harrison	*LAS (SS)*	*55*	*	†	*St. Louis, Missouri*
Busse, Edward Clarence	*CE*		*	†	*Chicago*
Butler, Allen Gilman	*EE*	*71*	*	†	*Peoria*
Butler, Jennie Rebecca	*HSLAS*	*23*	*	†	*Lebanon, Indiana*
Butler, Mary	*SS*				*Cairo*
Butler, Maude Marie	*HSLAS*		*	†	*Chatham*
Butler, Walter Carter	*Agr (SS)*	*63*	*	†	*Chicago*
Butler, William Glenn	*SS*				*Cairo*
Butterfield, Francis Eugene	*EE*	*108*	*	†	*Belvidere*
Butterfield, Janet Marie	*HSLAS*	*32*	*	†	*Belvidere*
Butzer, Goldia Grayce	*LAS*	*46*	*	†	*Hillsdale*

Buzzard, Guy Ashton	*SS*				*Bloomington*
Byers, Bessie	*SS*				*Charleston*
Byers, Donald Morrison	*Chem*		*	†	*Garrett, Indiana*
Byers, Edwin William	*AE*	*52*	*	†	*Harvey*
Byers, Louis Leslie	*CerE*	*97*	*	†	*Philadelphia, Pa.*
Byrne, Susanne Marie	*LAS*		*	†	*Chicago*
Cable, Merwyn Harden	*Com (SS)*	*30¼*	*	†	*McAllen, Texas*
Cade, Harriet Clark	*LAS*	*60*	*	†	*Veedersburg, Indiana*
Cadisch, Gordon Francis	*Agr*	*106*	*	†	*Cleveland, Ohio*
Cagann, Oscar William	*ME*		*	†	*Champaign*
Cahill, Charles Adams, Jr.	*AE*		*	†	*Milwaukee, Wisconsin*
Cahill, Nellie Walsh	*SS*	*6*			*Waterloo*
Calderwood, Sarah Ruth	*HSLAS*	*24*	*	†	*Grinnell, Iowa*
Caldwell, Addie Leyrea	*LAS*		*		*Columbia, Missouri*
Caldwell, George Harold	*Agr*	*26½*	*	†	*Chicago*
Caldwell, Henry Bancroft	*Agr sp*		*	†	*Tocoma, Washington*
Caldwell, Mary Lathrop	*LAS*	*61*	*	†	*Champaign*
Caldwell, Neal Willard	*Com (SS)*	*2*	*	†	*Champaign*
Caldwell, Ruth Marie	*LAS (SS)*	*100*	*	†	*Milford*
Caldwell, Walter R	*LAS*	*66¼*	*	†	*Fairfield*
Calendar, Lillian Madeline	*SS*				*Urbana*
Calhoun, Preston Browne	*Agr*	*95½*		†	*Glencoe*
Calkin, Charlie James	*ME*	*70*	*	†	*Crescent City*
Calkins, Robert Grant	*AE*		*	†	*Joliet*
Calvin, Benjamin Williss	*LAS*	*37*	*	†	*Washington, D. C.*
Cameron, George Martin	*Agr*	*72*	*	†	*Carpentersville*
Cameron, William Ray	*ME*	*5*	*	†	*Galesburg*
Camp, Chester Bennett	*CE*		*	†	*Decatur*
Camp, Warren Fordyce	*Agr*		*		*Ancona*
Campbell, Carlos Elmer	*Agr*		*	†	*White Hall*
Campbell, Carlos Wilbur	*Com*	*30*	*	†	*Virginia*
Campbell, Charles Warren	*MinE*	*111*	*	†	*Coal City*
Campbell, David Joseph, B.S., 1916	*SS*	*64*			*Urbana*
Campbell, Dewey Muscott	*LAS*		*	†	*San Bernardino, California*
Campbell, Douglas Scidmore	*Com*	*15*	*		*Cleveland, Ohio*
Campbell, Duncan McEvoy	*CE*	*127½*	*	†	*Chicago*
Campbell, Ella Seaver	*Lib*	*35*	*	†	*Urbana*
Campbell, Ethelred Erasmus	*Chem*	*68½*	*	†	*Jamaica, B. W. I.*
Campbell, Florence Maud	*LAS*	*115*		†	*Tolono*
Campbell, George Albert	*Law*	*28*	*	†	*Lead, South Dakota*
Campbell, Glenn	*LAS*		*	†	*Tulsa, Oklahoma*
Campbell, Grace Minnie	*Mus sp*			†	*Tolono*
Campbell, John Parsons	*ChE*		*	†	*San Dimas, California*
Campbell, Marshall	*Com*	*64*	*	†	*Chicago*
Campbell, Marvene	*Mus sp*		*		*Bethany*
Campbell, Mason Herbert	*Agr (SS)*	*105*	*	†	*Valparaiso, Indiana*
Campbell, Nelson Wellesley	*Com*		*	†	*Coal City*
Campbell, Nigel Dovell	*LAS*		*	†	*Albion*
Campbell, William Franklin	*Agr*	*99*	*	†	*Urbana*
Canaday, Alice Creighton	*LAS*	*75*	*	†	*Chicago*
Canaday, Sophia Matilda	*LAS*	*63*	*	†	*Chicago*
Canine, Ione	*SS*	*15*			*Sheldon*
Cannon, Lester Cloyd	*Agr*	*31*	*	†	*Tower Hill*
Cannon, Opal	*LAS*		*	†	*Jamaica*
Cannon, Tyronne Murphy	*ME*	*107¾*	*	†	*Rapatee*
Canon, Charles Coulson	*Agr*	*106*	*	†	*San Angelo, Texas*
Canter, Edna Maloy	*LAS*	*12*	*		*Champaign*
Carbaugh, Philip Ward	*Law*	*68*	*	†	*Rockford*
Carey, Charles Edwin	*Com*		*	†	*Crystal Lake*
Carley, Paul Sterling	*MdP (SS)*	*91½*	*	†	*Buckley*
Carlsen, Ralph Armond	*Com*	*35*	*	†	*Chicago*
Carlson, Alice Mae	*LAS*	*27*	*	†	*San Diego, California*
Carlson, Ansgar Lilius	*Agr*	*101*	*	†	*Batavia*
Carlson, Arthur George	*Agr*		*	†	*Rockford*
Carlson, Carl Bernard	*CE*	*70*	*	†	*St. Charles*
Carlson, Harry Leonard	*Agr*	*107*	*	†	*LaSalle*
Carlson, Helen Marie	*LAS*	*32½*	*	†	*Chicago*
Carlson, Richard John	*Arch*	*35*	*	†	*Chicago*
Carlson, Winifred Jean	*LAS*		*	†	*Chicago*
Carlstrom, Glenn Prentiss	*MdP*		*	†	*New Burton*
Carlton, George Alexander	*ME*	*1*	*	†	*Chicago*
Carman, Charles MacArthur	*ME*	*36*	*	†	*LaSalle*
Carman, Elinor Louise	*HSLAS*		*	†	*LaSalle*
Carman, Florence	*HSLAS*	*66*	*	†	*Goodwine*
Carney, Sidney Sylvester	*Agr*	*45*	*	†	*Steward*
Carr, Harris	*Com*		*	†	*Tipton, Indiana*
Carr, Kenneth Wright	*AE*	*68½*	*	†	*Oak Park*
Carr, Vernon Wesley	*Com*	*95*	*	†	*Denison, Iowa*
Carrier, Earle Wesley	*CE*	*76*	*	†	*Chicago*
Carrithers, Henry Havens	*Agr*	*64*	*	†	*Hudson*
Carroll, Alfred Bailey	*Arch*	*38½*	*	†	*Oak Park*
Carroll, Charles Jr.	*Com*	*31¼*	*	†	*Shawneetown*
Carroll, Gladys Ethelyn	*SS*				*Chillicothe*
Carroll, James Bernard	*Arch*	*117*	*	†	*Bradford*
Carroll, Jean Paul	*Agr sp*		*	†	*Mendota*

Carson, Charles Eilert	*LAS*		*	†	*Mt. Carmel*
Carson, Mary Edith	*LAS*		*		*Sabina, Ohio*
Carson, Natalia Margaretta	*LAS*	*93*	*	†	*Chicago*
Carter, Alice, A.B., 1915	*LAS*		*		*Evanston*
Carter, Benjamin Franklin	*CerE*	*67*	*	†	*Peoria*
Carter, Charles Shelby	*Agr*		*	†	*Owensboro, Kentucky*
Carter, Floyd	*Agr (SS)*	*59*	*		*Clinton*
Carter, Frank Stanley	*EE*		*	†	*Litchfield*
Carter, Wilbur Maxwell	*Arch*	*35*	*	†	*Indianapolis, Indiana*
Carthaus, William James	*Chem*		*	†	*St. Louis, Missouri*
Cartland, Silas	*EE*		*	†	*Pentwater, Michigan*
Carvalho, Romen de Souza	*Agr*		*	†	*Rio de Janeiro, Argentina*
Carver, Frederick Elmer	*Agr*		*	†	*Berwyn*
Cary, Malcolm Combs	*ME (SS)*	*54*	*	†	*Oak Park*
Caskey, Arthur David	*EE*	*36*	*	†	*Chicago Heights*
Cassella, William Nathan	*ME*	*35*	*	†	*Alton*
Cassidy, Grathan George	*Arch*	*29½*	*	†	*Champaign*
Castendyck, Charles Hamil	*Com*	*27*	*		*LaSalle*
Castle, Drew William	*ME*	*105*	*	†	*Gridley*
Castle, Ervin H	*Agr sp*		*	†	*Ridgefarm*
Castle, Ora Blanche	*Mus sp*	*28*	*	†	*Urbana*
Castle, Richard Lloyd	*Com*	*50*	*		*Urbana*
Cather, LeRoy Heywood	*AE*	*33*	*		*Canton*
Catlett, Kemp Roudebush	*Com*		*	†	*Fairmount*
Catlin, Virgil Glenn	*SS*	*7½*			*Monmouth*
Cattermole, Edwin Lowell	*LAS*		*		*Chicago*
Catton, Miles Dewey	*CE*		*		*Toulon*
Cauble, Helen Frances	*SS*	*22*			*Champaign*
Cavanaugh, Marie Elizabeth	*LAS*	*30*	*	†	*Urbana*
Cavette, Francis Erle	*Com*	*102½*	*	†	*Lacon*
Cecil, Lawrence Keith	*Chem (SS)*	*61½*	*	†	*Champaign*
Center, Donald Dewey	*Agr*		*	†	*Quincy*
Cermak, Joseph Julius	*ME*	*21*	*		*Chicago*
Cessna, Evelyn Mildred	*MdP*		*	†	*Oak Park*
Cessna, Robert	*Agr*	*60½*	*	†	*Danville*
Chabot, Bernice	*HSAgr*	*58½*	*	†	*Kankakee*
Chabot, Kathleen Martin	*HSLAS*	*98*	*	†	*Kankakee*
Chacaroff, Kotzousha	*Agr sp*		*		*Macedonia*
Chadderdon, Alvin Wayne	*Agr*	*33*	*	†	*Adair*
Chadderdon, Neva Mae	*LAS*		*	†	*Adair*
Chadwick, Marcus	*LAS*	*87*	*		*Shelbyville, Indiana*
Chakravartz, Akhil Chandra	*ME*	*35*	*	†	*Bengal, India*
Chalcraft, Delos Maurice	*Agr*	*70*	*	†	*Albion*
Chalcraft, Lloyd Walton	*Agr*	*117*	*		*Albion*
Chalstran, Arthur Blaine	*Agr*		*	†	*Galesburg*
Chamberlain, Richard Harris	*Com*	*68*	*	†	*Peru, Indiana*
Chambers, Roy Ellsworth	*Arch*	*47*	*	†	*Chenoa*
Chan, Ye Young	*LAS*	*59*	*	†	*Kowntong, China*
Chandler, Edward Charles	*LAS*	*46½*	*		*Flora*
Chandler, Leslie George	*Chem*	*24*	*	†	*Hinsdale*
Chang, Ju Shen	*Com (SS)*	*96*	*	†	*Bridgeport, Connecticut*
Chang, Tze Li	*CE*	*114*	*	†	*Washington, D. C.*
Chang, Wei Ju	*Chem (SS)*	*5*	*	†	*Peking, China*
Changnon, Robert Donald	*REE*		*	†	*Kankakee*
Chant, Douglas George	*Agr*		*	†	*Elmhurst*
Chapman, Donald Vanderburg	*Agr*	*69*	*	†	*Evanston*
Chapman, Ethel Lucinda	*LAS*	*60*	*	†	*Springfield*
Chapman, Harry Albert	*Agr*	*34*	*	†	*Raymond*
Chapman, Harry Henderson	*ME*	*38*	*	†	*Hinsdale*
Chapman, Pleasant Thomas, Jr.	*Com*		*	†	*Vienna*
Chapman, Samuel	*Com*		*	†	*Sterling*
Chapman, Thomas White	*SS*	*130*			*Belvidere*
Chappelear, Claude Simpson	*Agr*	*90½*	*	†	*Greenville*
Charles, Andrew Hoyle	*CerE*		*	†	*Chicago*
Charleston, Verne DeVere	*ChE*	*66*	*	†	*Peoria*
Charlet, Louis Walter	*ME*		*	†	*Kewanee*
Charpier, Leonard Louis	*MdP*	*30*	*	†	*Chicago*
Chase, Fay Harold	*EE*		*	†	*River Forest*
Chase, Joseph Harold	*Agr*	*33*	*	†	*Toulon*
Chase, Katherine Trusdell, A.B., 1914	*SS*	*138*			*Urbana*
Chen, Jung Ting	*Agr*	*70*	*	†	*Washington, D. C.*
Chen, Queh King	*SS*				*Sonzu City, Hunan, China*
Chen, Shao Shun	*Agr (SS) sp*	*38*	*	†	*Washington, D. C.*
Cheng, Fo Hung	*SS*	*32*			*Shanghai, China*
Chenoweth, Leland Frank	*MdP*	*29*	*	†	*Mason City*
Cherry, Oscar Allen	*Chem*	*58½*	*	†	*Pawnee*
Chesley, Anne Dietsen	*LAS*		*	†	*Urbana*
Chessman, Samuel Craig	*CE*		*	†	*Salem, Ohio*
Chester, Jamie Margaret	*HSLAS*	*33*	*	†	*Champaign*
Chester, Margaret Belle	*SS*				*Champaign*
Chiang, Yu Ying	*LAS*			†	*Tsang Looag Hong, Soochow*
Chilcott, Edith Grace	*SS*				*Morrisdale, Pennsylvania*
Childs, James Bennett	*LAS (SS)*	*77*	*	†	*Shobonier*
Chiles, Edna Alice	*Mus*	*25*	*	†	*Champaign*
Chiles, Howard Marion	*ChE (SS)*	*122½*	*	†	*Champaign*

Chioco, Juan Ortiz	*Agr*	*85*	*	†	*Philippines*
Chipps, Mabel Blanche	*HSLAS*			†	*Sullivan*
Chisum, Oscar Clifton	*LAS*	*20*	*	†	*Little Rock, Arkansas*
Chittenden, Robert Mearle	*CerE*	*106*	*	†	*Brookfield, Missouri*
Chittum, Stella Mae	*SS*	*8*			*Sorento*
Chmelik, Frank, Jr.	*Agr*	*18½*	*	†	*Chicago*
Choisser, William Carl	*Law*	*84½*	*	†	*Benton*
Choy, Bung Chew	*CE (SS)*	*60*	*	†	*Honolulu*
Christ, George Phillip	*ChE*	*70*	*	†	*Quincy*
Christ, Robert Johnson	*CE*		*	†	*Chicago*
Christen, Lester Howard	*AE*	*68*	*	†	*Elgin*
Christensen, Hildegard Amy	*LAS sp*		*	†	*Chicago*
Christensen, Paul Galen	*Arch*	*34*	*	†	*Menominee, Michigan*
Christian, William Earl	*EE*		*		*Trenton, New Jersey*
Christie, James	*SS*	*46*			*Rantoul*
Christopher, Arthur Bailey	*CerE*	*93*	*		*Canton*
Christophersen, Stanley Marinus	*EE*	*87*	*	†	*Rockford*
Christy, Glen, B.Mus., 1915, A.B., 1916	*SS*	*175⅓*			*Harrisburg*
Christy, Grace Jean	*HSLAS*	*68*	*	†	*Urbana*
Chritton, Ernest Fairfax	*ME*		*		*Oak Park*
Chu, Ling	*ME (SS)*	*33*	*	†	*Peking, China*
Chumley, Edith Bland	*SS*	*23½*			*Springfield*
Church, Leroy	*EE (SS)*	*110*	*	†	*West Chicago*
Churchill, Fred Weaver	*Agr*	*49*	*	†	*Fairbury*
Churchill, Nellie Elizabeth	*SS*				*Peru*
Churchill, Woodford McDowell	*Agr*	*31*	*	†	*Fairbury*
Churton, Florence Helen	*HSAgr*	*103*	*	†	*Plainfield, New Jersey*
Cierpik, Casimir Stanley	*ME*	*74*	*	†	*Chicago*
Ciha, Louis Albert	*EE*		*	†	*Chicago*
Cilley, Lillie	*Lib*	*33*	*	†	*Independence, Iowa*
Cinnamon, Floyd Franklin	*EE*	*45*	*	†	*Crete*
Clanahan, Walter Hamilton	*Com*		*	†	*East St. Louis*
Clancy, Frank Bailey	*MdP*		*	†	*Chicago*
Clarahan, Charles Henry	*RCE*	*78*	*	†	*Oak Park*
Clarahan, Lewis Arthur	*Com*		*	†	*Oak Park*
Clarida, Troy Wayne	*Agr*	*104*	*	†	*Marion*
Clark, Albert LeRoy	*Agr*	*69*	*	†	*Chicago*
Clark, Bayard Hand	*Agr*	*156½*	*		*DeKalb*
Clark, Bruce Byrne	*Agr*			†	*Peoria*
Clark, Charles M	*RME*	*111*	*	†	*West Chicago*
Clark, Chester Nicholas	*EE*		*	†	*Champaign*
Clark, Frank Roundy	*ChE*	*35*	*	†	*Wheaton*
Clark, Harold Dean	*LAS*		*	†	*Hinckley*
Clark, Harold Lyman	*Arch*	*80*	*	†	*Minneapolis, Minnesota*
Clark, Harry Cecil	*Agr*	*21*	*	†	*Champaign*
Clark, Hester	*SS*	*6*			*Westville*
Clark, James Glen	*Com*	*69*	*	†	*Moweaqua*
Clark, Kenneth Walker	*Agr*		*	†	*Tindenwood*
Clark, Lloyd Talbert	*Agr*		*	†	*Kinderhook*
Clark, Margaret	*Agr*	*62*	*	†	*Peoria*
Clark, Marion Almeda	*Com*		*	†	*Elgin*
Clark, Marshall Grant	*Agr*	*65*	*	†	*Carthage*
Clark, Mary Chase	*MdP*	*20*	*	†	*Peoria*
Clark, Reid William	*Agr*	*77⅔*	*	†	*Attica, Indiana*
Clark, Roy Leslie	*Agr sp*		*	†	*Moweaqua*
Clark, Stuart McCullough	*Agr*		*	†	*Carthage*
Clark, Thomas Edward	*ME*	*33*	*	†	*Indianapolis, Indiana*
Clark, Welford Dickson	*ChE*		*	†	*Chicago*
Clarke, Helen Beulah	*Mus*	*165½*	*	†	*Champaign*
Classon, Lyle Jay	*ME*		*	†	*Ottawa*
Clears, Harry Loomis	*Com*	*32*	*	†	*Kewanee*
Cleary, Bonnie	*Agr*		*	†	*El Paso*
Clegg, Carl	*ME*	*72*	*	†	*Chandlerville*
Clem, Orlie Martin	*LAS*	*68*	*	†	*Benton*
Clements, Esther	*Com*	*97*	*	†	*Champaign*
Clements, Philip Louis	*Agr*	*25*	*	†	*Decatur*
Cleve, Albert	*CE*	*88*	*		*Chicago*
Cleveland, Arthur Mortland	*Com*	*26*	*	†	*Plymouth, Indiana*
Cleveland, Chester Wilson	*LAS*		*	†	*Plymouth, Indiana*
Cleveland, Warren Eddy	*ME*	*73*	*	†	*Rockford*
Clevenger, Clinton B	*LAS*			†	*Fletcher, Ohio*
Cleworth, Clarence William	*CerE*	*37*	*	†	*Hartford, Michigan*
Clifford, Woodridge Kenneth	*Agr*	*34*	*	†	*Arion*
Cline, Albert Ross	*Agr*	*26*	*	†	*Rock Island*
Cline, Marguerite Arabelle	*HSLAS*	*32*	*	†	*Urbana*
Cline, Robert Nurse	*ME*		*	†	*Rock Island*
Clingenpeel, Clarence Albertus	*SS*	*6*			*Delphos, Kansas*
Clorfine, Irwin Bernard	*LAS*	*31*	*	†	*Chicago*
Close, Arthur Buckley	*Agr*	*67*	*	†	*Chicago*
Clover, Everett LeRoy	*Agr*		*	†	*Gardner*
Coan, Ivan Walker	*Agr*		*	†	*Chatsworth*
Cobb, Thomas H	*SS*	*15*			*New Burnside*
Cobb, William Henry	*Com*	*34*	*	†	*Tipton, Iowa*
Cochran, Florence Alwilda	*LAS*		*	†	*Champaign*
Cochran, Russell William	*LAS*	*84*	*	†	*Champaign*

Cochran, William John	*Com*		*	†	*Sterling*
Coe, Viola Margaret	*LAS*	*65*	*	†	*Ridgefarm*
Coffman, Ruth Eugene	*HSLAS*	*30*	*	†	*Pana*
Coggan, Kenneth Mills	*MdP*		*	†	*Clay City*
Cohagan, Chester Willard	*Com*	*25½*	*	†	*Sapulpa, Oklahoma*
Cohen, Arthur Edward	*Agr*		*	†	*Chicago*
Cohen, Esther Dorris	*LAS*		*	†	*Bridgeport*
Cohen, Isadore Perry	*CerE*	*26*	*	†	*Chicago*
Cohen, Julius	*LAS*	*101*	*	†	*St. Louis, Missouri*
Cohn, Benjamin Emanuel	*ChE*	*72*	*	†	*Chicago*
Cohn, Max Jay	*Agr*		*	†	*Chicago*
Coile, Sam Henry	*Arch*	*107½*	*	†	*Cookeville, Tennessee*
Cole, Elwood Bourland	*ME*	*33*	*	†	*Peoria*
Coleman, Oren	*SS*	*41*			*Carterville*
Coley, Glen	*LAS*	*129*		†	*Beardstown*
Colgrove, Vivian Geraldine, A.B., (*University of Minnesota*), 1908	*Lib*	*17*	*	†	*S. E. Minneapolis, Minnesota*
Collier, Ethel Alice	*LAS*	*99*	*	†	*Union Grove, Wisconsin*
Collings, Elnor Dell	*LAS*	*60*	*	†	*Spring Valley*
Collins, Claude Delorum	*LAS*		*	†	*LaMoille*
Collins, Fred Adair	*Agr*	*18*	*	†	*Evanston*
Collins, Grace	*LAS*	*96*	*	†	*Bloomington*
Collins, Ina May	*LAS (SS)*	*35*	*	†	*Hillsboro*
Collins, Irvin Bliss	*LAS (SS)*	*93⅓*	*	†	*Potomac*
Collins, Julien Hampton	*Com*	*29*	*	†	*Chicago*
Collins, Lathan Hunter	*CE*	*35⅓*	*	†	*LaMoille*
Collins, Maurice Todd	*Agr*	*5*	*	†	*Urbana*
Colmey, Duane Campbell	*LAS*	*73*	*	†	*Chicago*
Colp, Logan N	*MdP*		*	†	*Carterville*
Colp, Ryburn Robert	*MdP*		*	†	*Carterville*
Colson, Robert John	*Law*	*67*	*	†	*St. Charles*
Colstock, Harry Edward	*Agr*		*	†	*Bradley*
Colton, Edwin Thome	*MSE*	*107⅓*	*		*Kansas City, Missouri*
Colton, Henry Richardson	*ChE*	*34*	*	†	*Hinsdale*
Colwell, Edmund Burroughs	*Com*		*	†	*Monmouth*
Colwell, Lyle Miller	*EE*		*	†	*Ottawa*
Colwell, William Tracey	*CE*		*	†	*Ottawa*
Comm, Albert Benjamin	*AE*	*64*	*	†	*Chicago*
Comstock, Chauncey Darling	*Com*	*31*	*	†	*Chicago*
Comstock, Keyon Phinister	*Agr*	*29*	*	†	*Chicago*
Conant, Lewis Jasper	*LAS*	*59⅓*	*	†	*Denver, Colorado*
Condon, Edith Frances	*HSLAS*	*30*	*	†	*Sheffield*
Cone, Russel Glenn	*CE*		*	†	*Beardstown*
Conefry, Hal Wynan	*LAS*	*100*	*		*LeRoy*
Conger, Almon Mortimor	*ME*	*70*	*	†	*Elgin*
Congleton, Frank Harold	*Agr*	*63*	*	†	*Urbana*
Conkey, Nellie	*Mus sp*		*	†	*Homer*
Conklin, Asa Bristol	*Agr*	*69*	*	†	*Earlville*
Conklin, Dorsey Tyler	*Agr*	*49*	*	†	*Rockton*
Conklin, Paul Stanley	*ME*	*113*	*	†	*Roscoe*
Conley, Mae	*HSLAS*		*	†	*Sheldon*
Conn, Agnes Ruth	*HSLAS*	*60*	*		*Woodstock*
Connell, David Evans	*Com*	*50*	*	†	*Chicago*
Connett, Wesley Leonard	*Arch*		*	†	*St. Joseph, Missouri*
Connor, John Hal	*LAS*	*68*	*	†	*Newton*
Conover, Harry Keith	*Com sp*		*		*Tuscola*
Conrad, Alma Bertha	*SS*	*95⅓*			*Altamont*
Conrad, Charles Smedley	*ME*	*33*	*	†	*Sycamore*
Conrad, Charles William	*SS*	*6*			*Charleston*
Conrad, Clyde Kenneth	*MdP*		*	†	*Urbana*
Conrad, Orien Ray	*SS*	*38*			*Chester*
Conser, Perry Edward	*SS*	*6⅓*			*Alliance, Ohio*
Consoer, George Otto	*CE*	*112*	*		*Oak Park*
Cook, Dorothy Elizabeth	*Lib*	*33*	*	†	*Denver, Colorado*
Cook, Eugene	*CE*	*119*	*	†	*Odin*
Cook, Howard Haydon	*Com*		*	†	*Shelbyville*
Cook, John Manchester	*Com*	*68*	*	†	*Chicago*
Cook, Morris Henry	*EE*	*36*	*	†	*Greenup*
Cook, Seymour Houghton	*ChE*		*	†	*New York, New York*
Cook, Stephen Wallace	*Com*	*31*	*	†	*Evansville*
Cooke, Herbert Lee	*SS*	*4⅓*			*Bloomington*
Cooke, Robert Howell	*CE*	*28*	*	†	*Blairstown, New Jersey*
Cooke, Russell Stewart	*CE*	*36*	*	†	*Chicago*
Cookson, Linn Palmer	*CE*	*91*	*	†	*Carlinville*
Cooley, Floyd Seyller	*EE*		*	†	*W. McHenry*
Cooley, Roy Claiborne	*Agr*	*103*	*	†	*Clinton*
Coolidge, Joseph Lexington	*Com*	*38*	*	†	*East Cleveland, Ohio*
Coolidge, William Francis	*Agr*	*65*	*	†	*Bloomington*
Cooling, Kenneth George	*AE*	*63*	*	†	*Rockford*
Cooper, Edwin Jonas	*LAS*	*29*	*	†	*Cable, Wisconsin*
Cooper, Henry Noble	*LAS*	*73*	*	†	*Chicago*
Cooper, James Richard	*Agr*		*	†	*Aurora*
Cooper, Leon Morton	*ChE*	*108*	*	†	*Chicago*
Cooper, Louis	*EE*		*	†	*Chicago*
Cope, Harold Fleming	*LAS*		*	†	*Champaign*

Cope, Louis Vaughan	*Agr*	*100*	*	†	*Tonte*
Copenhaver, Robert George	*Agr*	*105*	*	†	*Polo*
Copes, Ira Otho	*Agr*		*	†	*Green Valley*
Corbett, Esther	*Agr*		*	†	*Edwardsville*
Corbin, Ashford Frank	*AE*		*	†	*Aurora*
Corcoran, Anna Elizabeth	*SS*				*Morrison*
Corcoran, Katharine	*SS*	*16*			*Galena*
Cord, Joy Sylvia	*HSLAS*			†	*Sidney*
Cordell, Della Grace	*Mus (SS)*	*99*	*	†	*Macomb*
Cordell, Gertrude Robinson	*SS*				*Pittsfield*
Cordell, Ralph Vail	*SS*	*30*			*Rushville*
Cordell, Robert Roland	*Com*		*	†	*Macomb*
Cork, Willis Hugh	*Com*	*60*	*	†	*Wheaton*
Corke, Harold Winfred	*Com*	*102*	*	†	*Evanston*
Corl, Marshall Price	*ME*	*34*	*	†	*Joplin, Missouri*
Cormack, Joseph Clarence	*Com*	*33*	*	†	*Glencoe*
Cornelisen, Ralph White	*RCE*	*37*	*	†	*Pittsburg, Kansas*
Cornell, Donald Sidney	*ME*	*106*	*	†	*Western Springs*
Corper, Philip	*Com*	*78*	*	†	*Chicago*
Corrie, Lester Linn	*Agr*	*61*	*	†	*St. Francisville*
Corrie, Samuel Earl	*Agr*		*	†	*St. Francisville*
Corson, Irene Marugerite	*HSLAS*	*21*	*		*Genoa*
Cory, Gertrude Finley	*LAS*		*	†	*Hoopeston*
Corzine, Dale Clair	*Agr*	*84*	*	†	*Assumption*
Cossart, Estella Anna	*LAS*		*	†	*Chicago Heights*
Cost, James Nicks	*ME*	*57*	*	†	*River Forest*
Cotta, Maurice Leroy	*MSE*		*	†	*Rockford*
Cottingham, Lloyd	*Agr*			†	*Abingdon*
Cottrell, Pearl Winifred	*LAS*			†	*Des Moines, Iowa*
Coultas, David Eugene	*Agr*	*34*	*		*Virden*
Countryman, Irving Byron	*Com*	*95*	*	†	*Dixon*
Courtney, George Frederick	*LAS*	*57½*	*	†	*Urbana*
Courtney, Helen Irene	*LAS*	*30*	*	†	*Urbana*
Cousins, Wanda Maurine	*LAS*	*29*	*	†	*LaFayette, Indiana*
Coutchie, Kenneth Gilbert	*SS*				*Muskegon, Michigan*
Cover, Hazel Winifred	*HSLAS (SS)*	*10½*	*	†	*Paw Paw*
Covey, Edwin Linn	*Law*	*108*	*	†	*Peoria*
Cowles, Rollin James, Jr.	*Com*	*29*	*	†	*Burlington, Iowa*
Cox, Clare Francis	*LAS (SS)*	*84*	*	†	*Vandalia*
Cox, Clinton Exum	*Agr sp*	*16*	*		*Urbana*
Cox, Gerald Judy	*ChE*	*35*	*	†	*Bridgeport*
Cox, Henry Ray	*Agr*	*97*	*	†	*St. Louis, Missouri*
Cox, Jessie Ethel	*HSLAS*		*		*East St. Louis*
Crabtree, John Bradley	*Com*	*28*	*	†	*St. Paul, Minnesota*
Crackel, Thelma Ruth	*LAS*		*	†	*Champaign*
Craft, John Countryman	*Agr*	*66⅔*	*	†	*Rochelle*
Craig, Edward Eugene	*EE (SS)*	*44*	*		*Medford, Massachusetts*
Craig, Florence Margaret	*Lib*	*33*	*	†	*Minneapolis, Minnesota*
Craig, Helen Elizabeth	*LAS*	*35*	*	†	*Hindsboro*
Craig, John Andrews	*EE*	*34*	*	†	*Hindsboro*
Craigmile, Mary Agnes	*LAS*	*100⅓*	*	†	*Rantoul*
Craigmile, Mary Delight	*LAS (SS)*	*86*	*	†	*Knox, Indiana*
Crain, Hersey Nicholas	*EE*	*94*	*		*Waverly*
Cramer, John Stanley	*EE*		*		*Maroa*
Crandall, Bert Harrison	*SS*	*96*			*Huntsville*
Crandell, Earl Melville	*Agr*		*	†	*Oak Park*
Crane, Baron Dana	*Com*		*	†	*Mt. Pleasant, Iowa*
Crane, Charles Sutherland	*Com*	*24*	*	†	*Chicago*
Crane, Elva Verna	*LAS*		*	†	*Hoopeston*
Crane, Finley Miller	*Agr*		*	†	*Hoopeston*
Crate, Ethel Frances	*LAS*	*33*	*	†	*Bellflower*
Craven, Verral Janice, B.S., (*Kansas State Agriculture College*) 1915	*LAS*	*61½*	*	†	*Chicago*
Cravens, Homer Halbert	*SS*	*6½*			*Plymouth*
Crawford, Charles Henry	*Com*		*		*Oakland*
Crawford, Harry John	*Com*		*		*Oakland*
Crawford, James Louis	*CerE*	*102*	*	†	*Macomb*
Crawford, Jeannette Irene	*SS*				*Barry*
Crawford, Louis Noere	*Arch*	*122*	*	†	*W. Lafayette, Indiana*
Crawford, Ruth Marguerite	*HSLAS*	*97*	*	†	*Urbana*
Crawford, Woodruff Lynden	*SS*	*89*			*Pontiac*
Creason, William Henry	*LAS*		*	†	*Mayfield, Kentucky*
Crebs, John Montgomery, Jr.	*Com*		*	†	*Carmi*
Creedan, Joseph Francis	*AE*		*	†	*Omaha, Nebraska*
Creighton, David Edward	*Agr*	*52*	*	†	*Phoenix, Arizona*
Creighton, Mary Elizabeth	*SS*	*104*			*Phoenix, Arizona*
Cremeans, Lola Merle	*HSLAS*		*	†	*Urbana*
Cremeans, Nida Edith	*LAS*	*26*	*	†	*Urbana*
Cress, Eldred Everett	*AE (SS)*	*73*	*	†	*Carlinville*
Criger, William Nelson	*Com*		*		*Elmwood*
Criley, Harlan Russell	*LAS*	*64*	*	†	*Champaign*
Crim, Charles Harold	*CE*	*51*	*	†	*Estherville, Iowa*
Crissey, Sherman Bartholmeou	*CE*		*	†	*Marengo*
Critchett, Elmer Bruce	*Agr*	*42*	*	†	*Grinell, Iowa*
Croak, John Elmer	*SS*	*66⅔*			*Decatur*

Crofts, Carson	*Com (SS)*	*101*	*	†	*LaGrange*
Cronin, Marie Louise	*LAS*	*32*	*	†	*Chicago*
Crookston, R Burns	*SS*	*7*			*North Logan, Utah*
Crosiar, Arthur Ogan	*Agr*	*74*	*	†	*Utica*
Cross, Harold	*Agr*		*		*Polo*
Cross, Hugh Ware	*LAS*	*31*	*	†	*Jerseyville*
Cross, Mary Ann	*LAS*	*64*	*	†	*Roachdale, Indiana*
Crothers, Eli Kirk, Jr.	*Arch*	*33*	*		*Bloomington*
Crouse, Florence Hawley	*Lib*	*33*	*	†	*Citronville, Alabama*
Crow, Robert Neil	*ChE*	*32*	*	†	*Carrollton*
Crowder, Dan Moore	*Com*	*31*	*	†	*Sullivan, Indiana*
Crowder, Dulcie Marie	*Mus*		*	†	*Hamilton*
Crowell, Orpha Faye	*SS*	*8*			*Waverly*
Crowell, Truman MacKenzie	*Com*			†	*Orange, California*
Crutcher, Walter Louis	*EE*	*105½*	*	†	*Springfield, Missouri*
Cryder, John Henry	*Agr*	*102*	*	†	*Plainfield*
Cryder, Mary Edna	*HSLAS*	*96*	*		*Plainfield*
Cryder, Ray Eugene	*Agr*		*	†	*Morris*
Cuerden, Catherine Fay	*Mus*		*	†	*Hamilton*
Culbertson,Raymond James	*Com*		*	†	*Stryker, Ohio*
Cullen, Leo Berdell	*Agr*		*	†	*Pontiac*
Cullin, Victor	*Com*		*	†	*Taylorville*
Cullinane, George Madill	*EE*	*106*	*	†	*St. Louis, Missouri*
Culter, Ralph Emerson	*Com*		*	†	*Gibson City*
Cumfer, Donald Alonzo	*ME*	*47*	*	†	*Chicago*
Cummins, Edward John	*LAS*		*	†	*Murphysboro*
da Cunha, Humberto Monteiro	*CE*		*		*Sao Paulo, Brazil*
Cunnea, Joseph Patrick	*CE*		*	†	*Chicago*
Cunningham, Irene Mary	*LAS*	*27*	*	†	*Rossville*
Cunningham, Opal Claree	*LAS (SS)*	*99*	*	†	*Urbana*
Cunningham, Sterling Ross	*Law*	*95*	*	†	*Bismarck*
Cunningham, Walter James	*ME*	*35*	*	†	*Mattoon*
Currie, Althea Elizabeth	*Com (SS)*	*41*	*	†	*Loda*
Currier, Lawrence Jenks	*Com*	*39*	*	†	*Aurora*
Curry, Henry Burrage	*SS*	*7½*			*Beason*
Curtis, Burton Tuttle	*SS*				*Decatur*
Curtis, Charles Carey	*Law*		*	†	*Amesville, Ohio*
Curtis, Jane Tuttle	*HSLAS*	*22*	*		*Decatur*
Curtis, Miriam Austin	*HSLAS*	*55*	*		*St. Louis, Missouri*
Curtis, William Wheaton	*Agr*	*34*	*	†	*Chicago*
Curtiss, Edward Augustus	*Agr*		*	†	*Stockton*
Curtiss, Ralph Edwin	*Agr*	*102½*	*	†	*Marengo*
Cushman, Horace Oscar	*AE*	*37*	*	†	*Danville*
Cushman, Kenneth Bruce	*Agr*	*33*	*	†	*Yonkers, New York*
Cuskaden, Major	*Agr*	*84½*	*	†	*Arcola*
Custer, John Howard	*Com*		*	†	*Chicago*
Cuthbertson, William Stuart	*Com*	*97*	*	†	*Pueblo, Colorado*
Cutler, Lloyd Elwell	*Agr*	*32*	*	†	*Rosemond*
Cutter, Robert Marshall	*Com*	*45*	*	†	*St. Louis, Missouri*
Czainski, Edward	*LAS*		*		*Chicago*
Dadant, Harriette Gabriel	*HSLAS*	*99*	*	†	*Hamilton*
Daggett, Edward James	*MdP*		*	†	*Joliet*
Dahlberg, Truman Lawrence	*ChE*	*56*	*	†	*Chicago*
Dahlen, Paul Andrew	*LAS*	*27*	*	†	*Rock Island*
Dahlin, Edna	*HSAgr*	*63*	*	†	*Geneva*
Dailey, Arthur Aloysius	*LAS*	*41*	*	†	*New York, New York*
Dale, Charles Sherman	*SS*	*9*			*Fisher*
Dale, John Herman	*Agr*	*96½*	*	†	*Mt. Vernon*
Dallenbach, Karl M., A.B., 1910	*SS*	*157*			*Champaign*
Dallenbach, Maybelle May	*LAS (SS)*	*95*	*	†	*Champaign*
Daly, Ewing Porter	*ME*	*102*	*	†	*Ottawa*
Daly, Geraldine	*LAS*	*72*	*	†	*Joliet*
Daly, Helen	*SS*	*121*			*Monmouth*
Daly, Lewis	*Mus*		*	†	*Monmouth*
Dame, Ralph Uhler	*Com*	*30*	*	†	*Oxford, Indiana*
Damron, John Harold	*Agr*	*60*	*	†	*Macomb*
Dana, B	*Chem*	*128½*	*	†	*Chicago*
Daniel, Ruth	*Mus*	*35*	*	†	*Kewanna, Indiana*
Danly, Philo Howard	*ME*	*4*	*	†	*Chicago*
Dappert, Anselmo	*CE*	*78*	*	†	*Taylorville*
Darby, Harry, Jr.	*ME*	*109½*	*	†	*Kansas City, Kansas*
Darham, Anna	*SS*	*4*			*Carthage*
Darnall, Warren Verne	*LAS*		*	†	*Oak Park*
Darrell, George Charles	*AE*	*108*	*	†	*Chicago*
Dart, Helen Alwilda	*Mus*		*	†	*Princeville*
Daugherty, George Henry	*LAS*	*33*	*	†	*LaGrange*
Davenport, Alice Victoria	*SS*	*130*			*Wheaton*
Davenport, Dorothy Darliane	*MdP (SS)*	*66*	*	†	*Wheaton*
Davidson, Bernard Eugene	*CE*		*	†	*Keokuk, Iowa*
Davidson, Gaylord Stillman	*Com*	*69*	*	†	*Springfield*
Davidson, Mary A	*SS*				*Marshall*
Davidson, Mina Saloma	*HSLAS*		*		*Crawfordsville, Indiana*
Davis, Charles Brewer	*LAS*	*32*	*	†	*Champaign*
Davis, Charles Jesse	*ME*		*	†	*Chicago*

Davis, Eleanor, A.B., (*University of Minnesota*), 1914	*Lib*		*	†	*Winona, Minnesota*
Davis, Elizabeth	*HSLAS*		*	†	*Rantoul*
Davis, Elmer Leon	*Com*	*24*	*	†	*Kankakee*
Davis, Frances Margaret	*LAS*	*32*	*	†	*Urbana*
Davis, Frank William	*SS*				*Omaha*
Davis, Frederick A	*Agr*	*88*		†	*Rockford*
Davis, Mrs. Goldia Elizabeth	*Agr sp*			†	*Urbana*
Davis, Helen	*LAS*	*77*	*	†	*Los Angeles, California*
Davis, Helen Powers	*HSLAS*	*115*	*	†	*Holton, Kansas*
Davis, Herbert Spencer	*MdP*		*	†	*Louisville*
Davis, Jessie Viola	*SS*	*13⅚*			*Greenville*
Davis, John Eugene	*Com*	*83½*	*	†	*Chicago*
Davis, Kenneth Isaac	*Com*	*36*	*	†	*Tampico*
Davis, Leonard Hoadley	*Agr*	*91½*	*	†	*Chicago*
Davis, Leonard Louis	*CE*	*113*	*	†	*Freeport*
Davis, Lyman Kent	*LAS*	*41*	*	†	*Donnellson*
Davis, Milton Russell	*Agr*	*97*	*	†	*Chicago*
Davis, Nelson Louis	*AE*	*46*	*	†	*Chicago*
Davis, Paul Albert	*MdP*	*59*	*		*Hume*
Davis, Philip Frank	Agr	*100*	*	†	*Windsor Mills, Quebec*
Davis, Ralph W	*Com*			†	*Monticello, Indiana*
Davis, Raymond Ellis	*CerE*	*100*	*	†	*Danville*
Davis, Waldo Emerson	*EE*	*25*	*	†	*Ratatee*
Davis, Walter Thomson	*Com*		*		*Elkhart, Indiana*
Davis, Ward Owen	*Agr*	*60½*	*	†	*Ramsey, Indiana*
Davison, Joe Miller	*Agr*	*30*	*	†	*Marshall*
Davison, Victor Harvey	*LAS*	*31*	*	†	*Minonk*
Dawley, Earle Reed	*CE*	*36*	*	†	*Passaic, New Jersey*
Dawley, Robert Worthington	*ChE*	*33*	*	†	*Passaic, New Jersey*
Dawson, Louis Edward	*ChE*	*81*	*	†	*Springfield*
Dawson, Owen Lafayette	*Agr*	*50½*	*	†	*Orland*
Dawson, Robert Harvey	*EE sp*		*	†	*Monticello*
Dawson, Roger Mills	*CE*		*	†	*Decatur*
Day, Curtiss LaQ	*Com*	*101*	*	†	*Gibson City*
Day, Frank Ernest	*Com*		*	†	*Sioux City, Iowa*
Day, Harry Warren	*Agr*	*99*	*	†	*Shelbyville*
Day, Vincent Stephen	*ME*	*112*	*	†	*Springfield*
Dayton, Wayland Wilbur	*Agr*	*31*	*	†	*West Chicago*
Deahl, Neulon	*Chem*	*68*	*	†	*Champaign*
Dean, Olive Gertrude	*LAS*	*76*	*	†	*Harrisburg*
Dean, Orval Jennings	*Agr*		*	†	*Harrisburg*
Dean, Vaughn Waldow	*Com*	*67*	*	†	*Decatur*
Decker, Albert	*SS*	*7*			*Hoopeston*
Decker, Arthur Eli	*SS*	*17*			
Decker, David B, Jr.	*LAS*		*	†	*Chicago*
Decker, Edna Mae	*Agr*	*99*	*	†	*Chicago*
DeCosta, Harold Fonseca	*SS*				*Chicago*
Deering, Earl William	*CE*		*	†	*Chicago*
Deering, Richard Francis	*LAS*		*		*Chicago Heights*
Deffenbaugh, Floyd Russel	*LAS*		*		*Mahomet*
DeGroot, Horace Edward	*ME (SS)*	*33*	*	†	*Chicago*
DeGroot, Walter Charles	*Agr (SS)*	*32*	*		*Chicago*
DeHart, Myra Lois	*HSLAS*	*30*	*	†	*Waukegan*
Delabar, Clifford Ernest	*Agr sp*		*	†	*Oquawka*
Dell, Dorothy	*HSLAS*		*	†	*St. Louis, Missouri*
DeLong, Clarence Henry	*Com*		*	†	*Fithian*
DeLong, Vernon Meade	*Agr*		*	†	*Nova Scotia*
DeLong, Willard Earl	*Com*	*107*	*	†	*Foosland*
DeLue, Jim Simon	*LAS*	*10*	*	†	*Chicago*
Demeter, Theodore Frederick	*ME*		*	†	*Freeport*
Denby, Marshall Alfred	*Com*		*	†	*Peotone*
Deneen, Arthur Louis	*Com*		*	†	*Marengo*
Deneweth, Amelia Elizabeth	*Mus*		*	†	*Mt. Clemens, Michigan*
Denick, Milo Frank	*ME*	*75*	*	†	*Lockport*
Denison, Irving Alson	*Agr*	*67*	*	†	*Washington, D. C.*
Denison, Sidney Alexander	*SS*	*32*			*Bridgeport*
Dennis, Howard Olney	*MdP*	*55*	*	†	*Clovis, New Mexico*
Dennis, Rose Carolyn	*LAS*	*80*	*	†	*Glencoe*
Denniston, Starr Coit	*Arch*		*		*Hudson, Wisconsin*
Denson, Charles Hackett	*Agr*		*	†	*Harperville, Mississippi*
Denson, Mrs. Charles Hackett	*Mus sp*		*	†	*Martin, Tennessee*
DePue, Robert Eadie	*Agr*	*76*	*	†	*El Paso, Texas*
Derby, Harold Leslie	*CE*	*118½*	*	†	*Kirksville, Missouri*
Dern, Karl Ludwig	*ChE*	*79*	*	†	*Stanton, Nebraska*
Detweiler, Ruth Naomi	*LAS*		*	†	*Aledo*
Deuchler, Gustave Herman	*AE*	*67*	*	†	*Aurora*
Devere, Martha Catherine	*HSLAS*	*31*	*	†	*Chebanse*
Devlin, John Lester	*Com*	*96½*	*	†	*Chicago*
Devlin, Julien Walter	*Com*	*31*	*	†	*Chicago*
DeVoe, Ray Threadgold	*ME*	*36*	*	†	*Freeport*
Devol, Everett Rolland	*EE*	*36*	*	†	*Miami, Florida*
Dewey, Elmer Clarence	*Com*	*98*	*	†	*Rockford*
Dexter, Grace Ella, A.B., 1911	*LAS*	*141*	*	†	*Urbana*
DeZee, Mathias Ellsworth	*Com sp*		*	†	*Joliet*

Diaz, Washington Teodore	*Agr sp*			†	*Urbana*
Dibelka, Myron George	*Arch sp*		*	†	*Chicago*
Dick, Frank Josef	*LAS*		*	†	*Quincy*
Dickson, Gerald Edgar	*LAS*	*73*	*	†	*Hampshire*
Dickson, Lawrence Evans	*LAS*	*34*	*	†	*Chicago*
Dickson, Mary Myrtle	*LAS*		*	†	*Chicago*
Diesel, Wilfred August	*ME*		*	†	*Chicago*
Dieserud, Helge Christopher	*ME*	*73*	*	†	*Washington, D. C.*
Dietmeier, Homer Ray	*Med (SS)*	*64*	*		*Winslow*
Dietrich, Erma Lorena	*Com*	*28*	*	†	*Bremen, Indiana*
Dietrich, Harry Ben	*Com*	*31*	*		*Mason City*
Dietrich, Sterling Miller	*Com*		*	†	*Bremen, Indiana*
Dietz, John Wasmer	*Com*	*67*	*	†	*Belleville*
Dikis, Ira Alfred	*Agr*	*62*	*	†	*Waverly*
Dildine, William Edwin	*Com*		*	†	*Freeport*
Dillavou, Essel Ray	*Law*	*174*	*	†	*Champaign*
Dilling, Lela Lucile	*Mus*		*	†	*Urbana*
Dillinger, Carl John	*CE*			†	*Portland, Oregon*
Dillon, Teresita	*LAS*	*6½*	*	†	*Danville*
Dippell, Carl Bush	*AE*	*73*	*	†	*Freeport*
Dippell, Ralph Ellsworth	*AE*	*111*	*	†	*Freeport*
Dirk, Ernest Leroy	*SS*	*5*			*Homerville, Ohio*
Ditewig, George Bocock	*Com*	*23*	*		*Peoria*
Ditmer, Merlin Ammon	*SS*	*6½*			*Potsdam, Ohio*
Dix, Charles Carroll, Jr.	*SS*	*7⅝*			*Pocomoke City, Maryland*
Dix, Ruth Mabel	*SS*	*97*			*St. Louis, Missouri*
Dixon, Edgar Ogle	*ChE*		*	†	*Chicago*
Dixon, Ralph Scott	*ChE*	*28*	*	†	*Vincennes, Indiana*
Dixon, Thomas Carl	*Com*		*	†	*Vincennes, Indiana*
Dixson, Elizabeth	*HSLAS*	*52*	*		*Monmouth*
Dobyns, Joseph Roscoe	*ME*		*	†	*Champaign*
Dodds, Donald Chambers	*Com*	*51*	*	†	*Champaign*
Dodds, Josephine	*LAS*	*91*	*	†	*Champaign*
Dodds, Lois Ellen	*LAS*	*130*	*		*Champaign*
Dodge, Astrid von Moth	*LAS*	*31*	*	†	*Champaign*
Dodge, Solon Stanley	*LAS*		*	†	*Chicago*
Dodge, Mrs. Stella Evelyn	*Mus sp*		*	†	*Oberlin, Ohio*
Doe, Weastell Taylor	*LAS*	*101*	*	†	*Kent, Ohio*
Doeden, Nellie Render	*SS*	*13½*			*Cape Girardeau, Missouri*
Doepel, Robert Francis	*ME*	*37*	*	†	*Mattoon*
Doerr, Clarence Leo	*Agr (SS)*	*46½*	*	†	*Chicago*
Doerscher, Willis Harry	*Com*	*56*	*	†	*Chicago*
Doherty, Chester Cochran	*MdP*	*30½*	*		*Clay City*
Doherty, Margaret Isabella, B.Mus., (*University of Illinois*), 1915	*LAS (SS)*	*163*	*	†	*Urbana*
Dolan, James Leo	*Agr*	*101*	*	†	*Champaign*
Dole, Laura Emily	*Mus*	*104*	*	†	*Champaign*
Dole, Lillian Dora, A.B., A.M., 1915, 1916	*SS*				*Champaign*
Dole, Sarah Willey	*HSAgr*		*	†	*Mattoon*
Donaldson, Elizabeth Frances, A.B., 1914	*SS*	*139½*			*Urbana*
Donaldson, Harold James	*SS*	*130½*			*Polo*
Donaldson, William Clark	*ME*		*	†	*Aurora*
Donaly, Marie Ruby	*MdP*	*26*	*	†	*Carterville*
Donovan, Leo Francis	*MdP (SS)*	*42½*	*		*Jacksonville*
Donovan, Mary Margaret	*Com*	*29*	*	†	*Champaign*
Donovan, Nelle C	*SS*				*Champaign*
Doocy, Helen Laura	*LAS*	*69*	*	†	*Pittsfield*
Doolen, Clem Daniel	*EE*	*71*	*	†	*Centralia*
Doolen, Glen Wesley	*Med*	*61*	*	†	*Centralia*
Dooley, Helen Elizabeth	*LAS*		*	†	*Little Rock, Arkansas*
Dora, Cute	*SS*				
Doran, Arthur Phillips	*Com*		*	†	*River Forest*
Doran, Ralph Leonard	*Com*		*	†	*River Forest*
Dorman, Wallace Steger	*SS*	*5*			*Ensley, Alabama*
Dorow, Elizabeth Sylvia	*HSLAS*		*	†	*Golden*
Dorsett, Eleanor Hidgcock	*HSLAS*	*28½*	*		*Augusta*
Dorsett, Martha Matilda	*HSLAS*	*33*	*	†	*Augusta*
Dorsett, Walter Harper	*Agr*		*	†	*Augusta*
Dorullis, Bertha Marie	*LAS*		*	†	*Centralia*
Dory, Victor Paul	*Com*	*30*	*	†	*Warsaw*
Dosher, Guy Hudson	*LAS*	*75*	*		*Harrisburg*
Doss, Paul Christian	*Agr*	*33*	*	†	*Philo*
Doty, Dorothy Lanning	*HSLAS*	*75*	*	†	*Wilmette*
Doty, Helene Eleanore	*LAS*	*77*	*	†	*Wilmette*
Doty, Henry Fairchild	*Com*		*	†	*Highland Park*
Dougherty, Robert Hughes	*ChE (SS)*	*63*	*	†	*Peoria*
Douglas, Jonathan Park	*Agr*	*161*	*	†	*Bloomington*
Douglas, Robert James	*MdP*		*	†	*Chicago*
Dowd, John Matheny	*MdP*		*	†	*Fisher*
Dowell, Carl Philip	*EE*	*86½*		†	*Port Richmond, New York*
Downend, Florence Eleanor	*Mus*	*38*	*	†	*Toulon*
Downey, Durlin Ralph	*Agr*	*113*	*	†	*Sheffield*
Downing, Emily Mott	*LAS*	*49*	*	†	*Elburn*
Downs, Myron Day	*Agr*	*33*	*	†	*River Forest*
Downs, Orrie Hagar	*SS*	*142*			*Urbana*

Downs, Walter Elections	*Com*	*19*	*		*Pana*
Doxsey, Mary Ethel	*SS*				*Rockford*
Doyle, Frank Butler	*ME*	*37*	*	†	*Raymond*
Doyle, Irene May	*LAS*	*33*	*	†	*Clinton*
Doyle, William James	*Com*	*45*	*	†	*Champaign*
Drake, Charles Arthur	*LAS*	*114*		†	*First Fork, Pensylvannia*
Dralle, Ruth	*LAS*			†	*Champaign*
Draper, Arthur William	*Law*	*99*	*	†	*Chicago*
Draper, Florence Gladys	*LAS*		*	†	*Divernon*
Draper, Ralph Waldo	*LAS*		*	†	*Sidell*
Drew, Myrtle Ursula	*LAS*		*	†	*Downers Grove*
Dreyfus, Milton	*LAS*		*	†	*Fisher*
Dreyfus, Morris Edward	*Chem*		*	†	*Kansas City. Missouri*
Dreyfus, Stanley	*Com*		*	†	*Fisher*
Driver, Damon Wilbur	*Agr*	*30*	*	†	*Carrollton*
Drobisch, Alice Wessels	*SS*	*3*			*Decatur*
Drobisch, Mollie Moore	*LAS*	*85*	*	†	*Decatur*
Droste, Louis Anthony	*Com*	*121*		†	*Grand Rapids, Michigan*
Drucker, Albert	*EE*		*	†	*Chicago*
Drummet, Arthur William	*Agr*	*32*	*	†	*Long Point*
Drury, Charles Johnson	*Agr sp*		*	†	*Jacksonville*
Drury, Hiram Jones	*Agr sp*		*		*Jacksonville*
Dry, Morine Hazel	*LAS*		*	†	*Palestine*
Drysdale, Robert Alexander	*LAS*		*	†	*Chicago*
DuBois, Addie Majella	*LAS (SS)*	*35*	*	†	*Eldorado*
DuBois, Marie Mildred	*HSLAS (SS)*	*64*	*	†	*Eldorado*
DuBridge, Walter Stephen	*EE*	*13½*	*	†	*Momence*
Dueringer, Walter Edward	*ME*		*	†	*Elgin*
Duffie, Paul Michael	*CerE*		*	†	*Sterling*
Duffin, Leon Gavin	*ME*	*3*	*	†	*Chicago*
Duffy, John Clarence	*Agr*	*114*	*	†	*Ottawa*
Dugger, Donald Ollie	*AE*	*37*	*	†	*Princeton, Kenlucky*
Duke, Clarence Ormond	*ME*		*	†	*Henry*
Dukes, Ruby Gertrude	*Mus*		*	†	*St. Joseph*
Dumas, Velma Burdette	*Mus*	*54*	*	†	*Cicero*
Dumke, Mildred	*Com (SS)*	*67½*	*	†	*Elmhurst*
Dunbar, Glenn	*Agr*		*	†	*Taylorville*
Duncan, George Jordan	*Com*		*	†	*Villa Grove*
Duncan, Pauline	*Mus*			†	*Marion*
Dungan, George Harlan	*Agr (SS)*	*106*	*	†	*Richwood, Ohio*
Dungan, John Urban	*Com (SS) sp*	*8*	*	†	*Richwood, Ohio*
Dunlap, Leonard Eugene	*Arch (SS)*	*97*	*	†	*Urbana*
Dunn, Bankler Louis	*EE*		*	†	*Hillsboro*
Dunn, Dorothy	*LAS*	*29*	*	†	*Waukegan*
Dunn, Georgiena Evelyn	*HSLAS (SS)*	*67½*	*	†	*Hinsdale*
Dunn, Homer Alban	*Com*	*31*	*	†	*Columbus, Indiana*
Dunseth, Ruth Irene	*HSLAS*		*	†	*Waverly*
Dupaquier, Albert Louis	*Com*		*		*New Albany, Indiana*
DuPlan, Henry Brackman	*Agr*		*	†	*Chicago*
Dupre, Valentine Harry	*EE (SS)*	*101½*	*	†	*Chicago*
Durfey, Donald	*Com*	*99*	*	†	*Tolono*
Durham, Harold Winfred	*Com*		*	†	*Genoa*
Durin, Fred Ethan	*Agr*		*	†	*Scarboro*
Dusenberry, Paul Brouneller	*LAS*		*	†	*Nashville*
Dushek, Vincent John	*EE*	*109*	*	†	*Chicago*
Duster, Benjamin Cecil	*LAS*	*58½*	*		*Indianapolis, Indiana*
Dusthimer, William Vernon	*MdP*	*14*	*		*Chrisman*
Dustin, Charles Sanderson	*Agr*	*30*	*	†	*Urbana*
Dutton, Herbert Buell	*ME*	*107*	*	†	*Oak Park*
Duvall, Fae	*HSAgr*	*40*	*	†	*Argenta*
DuVall, Nellie Olive	*HSLAS (SS)*	*42*	*	†	*Urbana*
Duvall, Virgil Henry	*Law*	*115*	*	†	*Aledo*
Dux, Herbert Elmer	*AE*		*	†	*Indianapolis, Indiana*
Dvorak, Joseph, Jr.	*Arch*	*73*	*	†	*Chicago*
Dyer, Ethel Golden	*SS*	*25*			*White Hall*
Dyer, Harold Ruskin	*AE*	*50*	*	†	*Bloomington*
Eade, Ben Cooper	*Agr*	*105*	*	†	*Elizabeth*
Earhart, Marianne Eloise	*LAS*		*	†	*Wyoming*
Eaton, Charles Miller	*Agr*	*33*	*	†	*Quincy*
Eaton, Chester Manning	*Com*		*	†	*Macomb*
Eaton, Donald Mark	*Chem*	*32*	*	†	*Stockton*
Eaton, Rea Lincoln	*Agr*	*62*	*	†	*Eaton, Colorado*
Eaton, William John	*SS*	*24½*			*Normal*
Ebi, Kenneth Ade	*ME*		*	†	*Moline*
Eckhardt, Roland Oscar	*LAS*	*29*	*	†	*Sheboygan, Wisconsin*
Edds, Vera Oriene	*LAS*	*93*	*	†	*Normal*
Eddy, Maree Lourena	*Agr sp*		*		*La Moille*
Edel, Leslie Archibald Drummond	*Chem*		*	†	*Duquoin*
Edgerley, Kenneth Hopkins	*Agr*	*30*	*	†	*Granville*
Edgeworth, Myron	*ME*		*	†	*Kankakee*
Edie, Burl Albert	*LAS*	*27*	*	†	*Monticello*
Edison, Ben Hamilton	*CE*		*	†	*Chicago*
Edmundson, Clarence S	*SS*	*5*			*Moscow, Idaho*
Edmundson, Nila Winifred	*HSLAS (SS)*	*42⅔*	*	†	*Balbec, Indiana*
Edwards, Clarence Leon	*LAS*	*7½*	*		*Carrollton*

Edwards, Gail Philip	*Chem*	*67*	*	†	*Chicago*
Edwards, Harlan Hammond	*CE*	*147*	*	†	*Chicago*
Edwards, Howard Milton	*MdP*	*18*	*	†	*Lee*
Edwards, James Beresford, Jr.	*Com*		*	†	*Morgan Park, Chicago*
Edwards, Liston Myron	*ME*		*	†	*Chicago*
Edwards, Terry Warren	*EE*		*	†	*Jerseyville*
Effting, Gertrude Frances	*SS*	*8*	*	†	*Morris*
Egan, Lillian Elizabeth	*HSAgr*	*57*	*	†	*Quincy*
Egbert, Donald Scearce	*Agr sp*		*	†	*Sycamore*
Eglin, Elmer John	*EE*		*	†	*Richmond, Iowa*
Ehlers, Earl Edward	*AE*	*18*	*	†	*Mason City, Iowa*
Ehrhardt, Oliver Earl	*MdP*		*	†	*Beardstown*
Eichberg, Adrian J	*LAS*	*71*	*	†	*Chicago*
Eichhorn, William Hirschel	*Agr*	*68*	*	†	*Mound City*
Eikenberry, Amos R	*SS*	*8*			*LaPlace*
Einbecker, William Francis	*Chem*	*34*	*	†	*Chicago*
Eisner, Katherine	*Mus*		*	†	*Champaign*
Eiszner, William Henry	*ME*	*62*	*	†	*Chicago*
Eldridge, Earle Whitney	*Agr*	*30*	*	†	*Greenview*
Eldridge, Leah Estene	*HSLAS*		*	†	*Wilmette*
Eldridge, Lillian Mary	*LAS*	*95*	*	†	*Kansas City, Kansas*
Elerding, Beatrice	*LAS*	*25*		†	*Chicago*
Eleson, Eugene Robert	*MdP*	*73*	*	†	*Elkhart, Indiana*
Ell, Ferdinand Arthur	*EE*	*72*	*	†	*Chicago*
Ellenberger, Guy Ward	*CerE*		*	†	*Normal*
Eller, Walter Harrison	*SS*	*8*			*Peoria*
Ellington, Alvin Mathews	*LAS*	*35*	*	†	*Buffalo*
Elliott, Earlis Edgar	*Agr (SS)*	*32*	*	†	*Bono, Arkansas*
Elliott, Eva Lillian	*LAS*	*98*	*	†	*Beresford, South Dakota*
Elliott, Isabel Gertrude	*LAS*	*110*	*		*Beresford, South Dakota*
Elliott, Robert Tollington	*RCE (SS)*	*111½*	*	†	*Wilmington*
Ellis, Olive E	*SS*	*96*			*LaPlata, Missouri*
Elwell, Dan William	*Com*	*68*		†	*Champaign*
Emch, Walter	*CE*	*76½*	*	†	*Urbana*
Emery, Harold Robert	*LAS*	*34*	*		*Belleville*
Emery, Leroy Densmore	*LAS sp*		*	†	*Kirksville, Missouri*
Emery, Robert Simpson	*Com*		*	†	*Chicago*
Eminger, Mabel	*LAS*	*65½*	*	†	*Gibson City*
Emmons, Owen Andrew	*SS*	*5*			*Albion, Michigan*
Emrich, Dwight Martin	*CE*		*	†	*Winslow*
Ems, Clarence	*Agr*		*	†	*St. Joseph*
Engel, Robert Henry	*Agr*	*128*		†	*Freeport*
Engelhard, Willard Paul	*Com*		*	†	*Hollywood*
Engelhardt, Lora May	*HSLAS*	*28*	*	†	*Howard*
Engelland, Mynetta Mary Margaret	*HSLAS*		*	†	*Grant Park*
England, Glenn Lewis	*EE*	*34*	*	†	*Havana*
Engle, Esther Annette	*LAS*	*116*	*	†	*Bloomington*
Engle, Jeannette Morrison, A.M., (*University of Illinois*), 1916	*Lib*		*		*Urbana*
Engle, Lawrence Washington	*Agr*	*24*	*	†	*Urbana*
Engle, Ralph Nelson	*Agr sp*	*125*	*	†	*Urbana*
Engle, Mrs. Ralph Nelson	*Agr*	*2*	*	†	*Urbana*
English, Connell Abdill	*Agr*		*	†	*Aberdeen, South Dakota*
English, Frank James	*ME (SS)*	*71½*	*	†	*Springfield*
Eninger, Helen Marie	*SS*	*160*			*Arthur*
Eppinger, Esther Augusta	*Com*	*33*	*	†	*Quincy*
Eppinger, Marie Anna	*SS*	*54½*			*Quincy*
Epstein, Arthur Louis	*LAS (SS)*	*141*	*		*Chicago*
Epstein, Karl	*Agr*	*101*	*	†	*Bloomington*
Erdmann, Roy Alfred	*Com*	*66*	*		*Geneseo*
Erickson, Adrian Edson	*Com*	*33*	*	†	*Onawa, Iowa*
Erickson, Arthur	*Agr (SS)*	*34*	*		*Chicago*
Erickson, Edward Bringle	*MSE*	*110*	*	†	*Chicago*
Erickson, Willard Carl	*ChE*		*	†	*Bradley*
Erikson, Edison Clyde	*Agr*		*	†	*Princeville*
Ernest, Helen Orpha	*Mus (SS)*	*41*	*	†	*Urbana*
Espy, Curtis Leach	*LAS*			†	*Logansport, Indiana*
Espy, Murry Greenleaf	*SS*	*94⅝*			*Logansport, Indiana*
Esslinger, Esther Lillian	*LAS*		*	†	*Rushville*
Ettinger, Charles McKinley	*CE*	*108*	*	†	*Bourbon, Indiana*
Euston, Jacob Howard	*EE*	*70*	*	†	*Norfolk, Virginia*
Evans, Bessie Louise	*SS*	*5*			*Champaign*
Evans, Donald Grover	*EE*	*107*	*	†	*Champaign*
Evans, Floyd Evan	*ME*	*107*	*	†	*Hinckley*
Evans, Fred	*AE*	*67*	*	†	*Chicago*
Evans, Lois Kathryn	*LAS*	*31*	*	†	*Monticello*
Evans, Maurice Willard	*Com*	*36*	*	†	*Mattoon*
Evans, Melbourne Covell	*SS*	*6½*			*Chanute, Kansas*
Evans, Robert Barclay	*Com*		*	†	*Aurora*
Evans, William Harold	*LAS*		*	†	*South Bend, Indiana*
Eveland, Harmon Edwin	*EE*	*16*	*	†	*Hobson, Montana*
Everham, William Edward	*ME*	*116*	*	†	*Chicago*
Everhart, Gladys	*HSLAS*	*33*	*	†	*Champaign*
Ewald, Paul George	*Agr*	*108½*	*	†	*Mt. Carmel*
Ewald, Sophia Catherine	*LAS sp*		*		*Mt. Carmel*

Ewan, Caroline Virginia	*LAS*	*44¾*	*	†	*Cuba*
Ewer, Warren Badger	*AE*	*115*	*	†	*Chicago*
Ewing, Anne McNullen	*HSLAS*	*26*	*	†	*Vincennes, Indiana*
Excell, Stuart William	*CE*	*106*	*	†	*Chicago*
Exiner, Samuel	*Agr*		*		*Chicago*
Eyman, Margaret	*LAS*	*65*	*		*Oak Park*
Eyrich, Winnifred Marie	*LAS*		*	†	*Milford*
Fackler, Orpheus A	*SS*	*41*			*Alvardton, Ohio*
Fager, George Edward Kirchner	*Agr*	*67*	*	†	*Murphysboro*
Fahrnkopf, Charles Frank	*SS*	*13½*			*Decatur*
Fairbairn, William Bryan	*CE*	*34*	*	†	*Joliet*
Fairbanks, Berthier Wesley	*Agr (SS)*	*107*	*	†	*Chicago*
Fairbanks, Laurence Bowie	*Com*		*	†	*Varna*
Faircloth, Samuel Edwards	*ME*	*36*	*	†	*Aurora*
Fairfield, Agnes Evelyn	*HSAgr*	*31*	*	†	*Chicago*
Fairfield, Faith Jeannette	*LAS*	*64*	*	†	*Rutland, Vermont*
Fairman, Charles	*LAS*	*65*	*	†	*Alton*
Faletti, Michael Joseph	*Law*	*99*	*	†	*Standard*
Falkenberg, George Vigo	*Agr*	*29*	*	†	*Chicago*
Fallon, Vallie Edna	*LAS*	*31*	*	†	*Urbana*
Farmer, Elma Leola	*Agr*	*127*	*		*Belleville*
Farmer, Ruth Marie	*Mus*		*	†	*Bolivar, Missouri*
Farnum, Bertha Lucile	*LAS*	*81½*		†	*Pawnee*
Farrand, Elbridge Kitchel	*ME*		*	†	*Griggsville*
Farrell, Walter Greatsinger	*CE*		*	†	*Chicago*
Fash, Robert Arthur	*Arch*		*	†	*Springfield*
Fasig, Otho Samuel	*LAS*	*14*	*	†	*Martinsville*
Faulk, Harry Lee	*LAS (SS)*	*8*	*	†	*Brownsville, Texas*
Faulk, Merrill Clifford	*LAS (SS)*	*106*	*	†	*Urbana*
Faust, Rudolph Alfred	*Chem*		*	†	*Washington, D. C.*
Fautsch, Emile	*Chem*		*	†	*New York, New York*
Favinger, William Lloyd	*Agr*			†	*Albion, Indiana*
Fay, Donald Allen	*Com*	*99*	*	†	*Urbana*
Federmann, Charles Russell	*Arch*	*152*	*		*Brookville, Indiana*
Fee, Laurence George	*EE (SS)*	*2½*	*	†	*Champaign*
Fee, Mary Jeannette	*Agr*	*26*	*	†	*Champaign*
Fehrenkamp, Winifred, B.L.S., 1915	*Arch*			†	*Urbana*
Feldenthal, Edna Leontine	*Mus sp*			†	*Boston, Massachusetts*
Feldhake, Otto John	*Com*		*	†	*Effingham*
Feldman, Nathan	*ME*	*52*	*	†	*Chicago*
Felmley, John Benjamin	*AE*	*79*	*	†	*Normal*
Felton, Harold Norton	*EE*	*108*	*	†	*Mendota*
Ferguson, Alice Maude	*HSLAS*	*51*	*	†	*Orion*
Ferguson, George Alonzo	*Arch*	*108*	*	†	*Washington, D. C.*
Ferguson, Wilbert Homer	*Com*	*31*	*	†	*Kansas City, Missouri*
Ferree, George Bennett	*Eng*	*14*		†	*Urbana*
Ferree, Letitia Lehman	*HSAgr (SS)*	*69½*	*	†	*Terre Haute, Indiana*
Feuer, Bertram	*ChE (SS)*	*79½*	*	†	*Chicago*
Fickett, Edward Manard	*Agr*	*71*	*	†	*Chicago*
Field, Basil Gordon Rutan	*Agr*		*	†	*Fitchburg, Massachusetts*
Field, Corinne	*LAS*		*	†	*Chicago*
Field, David Edwards	*AE*	*65*	*	†	*Slater, Missouri*
Field, Erastus Immanuel	*Com*			†	*Northfield, Minnesota*
Field, Geoffrey Myron	*Com*		*	†	*Peoria*
Field, Howard, Jr.	*ME*	*58*	*	†	*Wilmette*
Filbey, Edward Joseph, Ph.D., (*University of Wisconsin*), 1908	*Com*	*3*	*	†	*Urbana*
File, Viola Louise	*Agr (SS)*	*96*	*	†	*Irving*
Filler, Charles	*Com*			†	*Chicago*
Finger, Raymond Hermon	*SS*				
Finley, Joseph Orton	*Agr*	*119*			*Oneida*
Finley, Louise	*SS*				*Indianapolis, Indiana*
Finley, Margaret Alice	*LAS*	*66*	*	†	*Hoopeston*
Finley, Marion Reece	*Agr*	*103*	*	†	*Hoopeston*
Finn, Edmund Matthew	*AE*	*109*	*	†	*Laurence, Massachusetts*
Finney, Dorothy	*LAS*		*	†	*Westfield*
Finney, James Thomas	*LAS*		*	†	*Champaign*
Finnigan, Catherine Elizabeth	*LAS*		*	†	*Champaign*
Finnigan, Martha Mary	*LAS*	*52*	*	†	*Champaign*
Firebaugh, Raymond Sims	*Agr*	*16*		†	*Robinson*
Firoved, Glenn William	*Agr*	*87*	*	†	*Monmouth*
First, Harry Vernon	*AE*		*	†	*Moline*
Firth, Jacob Gerald	*ME (SS)*	*22*	*	†	*Green Valley*
Fischbacha, Antonio	*LAS*	*32*	*	†	*Centralia*
Fischer, Austin Harold Reed	*Arch*	*24*	*	†	*Chicago*
Fischer, Mary Catharine Eliza	*Mus*		*	†	*Elmhurst*
Fish, Mary Vivian	*SS*	*23*			*Benton*
Fisher, Clarence John	*Law*	*66*	*	†	*Chicago*
Fisher, Forrest Addison, B.S., 1911	*Agr*		*	†	*Hudson, Kansas*
Fisher, Frances Agnes	*LAS*	*25*	*	†	*Kinmundy*
Fisher, Harold Howe	*Agr*	*25*	*	†	*Bement*
Fisher, Harry Eastman	*MSE (SS)*	*114⅝*	*	†	*Chicago*
Fisher, Ivan Louis	*Com*	*31*	*	†	*Logansport, Indiana*
Fisher, Lawrence Glen	*LAS*	*40½*	*	†	*Freeport*
Fisher, Paul	*Agr*	*36*	*	†	*St. Louis, Missouri*

Fisher, Paul Anthony	*Agr sp*		*	†	*Green Valley*
Fishman, Sol Leon	*ChE*	*72*	*	†	*Chicago*
Fishman, Wilbur Harlow	*Agr*	*63*	*		*Bosky Dell*
Fisk, Fritz Harris	*Law*	*69*	*	†	*DeKalb*
Fitch, Howard J	*Agr*	*102*	*	†	*Rockford*
Fitch, Hugh	*ME*	*32*	*	†	*Greenup*
Fites, Harold Bratt	*Agr*	*108*	*		*South Bend, Indiana*
Fitzer, Marian Lucille	*LAS*	*31*	*	†	*Belvidere*
Fitzgerrell, Sylvester Stanton	*Law*	*105*	*	†	*Benton*
Fitz-Hugh, Greene Smith	*EE*		*	†	*Henderson*
Fitzpatrick, James Claude	*MinE*	*76*	*	†	*Gillespie*
Fitzpatrick, Margaret Marion	*LAS*	*48½*	*	†	*Chicago*
Flagg, Howard William	*LAS*		*	†	*Libertyville*
Flanders, Annette Hoyt	*Agr sp*		*	†	*Milwaukee, Wisconsin*
Flannery, Charles Abusdal	*ME (SS)*	*114*	*	†	*Chicago*
Flatt, Nelle Irene	*LAS (SS)*	*35*	*	†	*Champaign*
Flaugher, Richard Greer	*Agr*	*187½*	*		*Cayuga, Indiana*
Fleischner, Julius	*MdP*		*	†	*Chicago*
Fleishman, George Samuel	*CE*	*35*	*	†	*St. Louis, Missouri*
Fleming, Adelaide	*SS*				*Boswell, Indiana*
Fleming, Ellen Milton	*HSLAS*		*	†	*Olney*
Fleming, Harry Hall	*Agr*	*39*	*	†	*Chicago*
Fleming, Oscar Jonathan, Jr.	*ME*		*	†	*Berwyn*
Fleming, Stephen James	*Agr*	*24*	*	†	*Chicago*
Flemming, John Herman	*Arch*	*121*	*	†	*Davenport, Iowa*
Fletcher, Edwin Lott	*Agr*	*25*	*	†	*Morris*
Flexer, Edna Helen	*HSLAS*	*87*	*	†	*Joliet*
Flock, Marguerite Pauline	*LAS (SS)*	*75½*	*	†	*Urbana*
Flock, Ward John	*Agr (SS)*	*101*	*	†	*Urbana*
Flood, Martin	*EE*	*51*	*	†	*Cortland*
Flowerree, Trennace, M.S., 1916	*Agr (SS)*		*	†	*Easton*
Fluke, Autha Maybelle	*LAS*	*58*	*	†	*Chicago*
Fogerson, Josephine Mason	*LAS*		*	†	*Champaign*
Fogler, Mayor Farthing	*Chem (SS)*	*73*	*	†	*Champaign*
Foley, Philip Oglesby	*Com*	*30*	*	†	*Paris*
Foley, William Lawrence	*SS*	*7*			*Gloucester, Massachusetts*
Folkers, Herbert Peter	*LAS*	*28*	*	†	*Frankfort*
Fonseca, Manuel	*CE*		*	†	*Lima, Peru*
Fontaine, Everett Orren, A.B., 1915	*Lib*	*159*	*	†	*Momence*
Foote, Lorenzo Stephen	*Agr*	*67*	*	†	*Stronghurst*
Foran, Cassie Agnes	*LAS*	*17*	*	†	*Joliet*
Forbes, John Gordon	*Com*	*38½*	*	†	*East Orange, New Jersey*
Forbes, Merlin Arthur	*Chem*		*		*Horicon, Wisconsin*
Forister, Leora Muriel	*SS*	*5*			*Highland*
Forsythe, Albert Ernest	*ChE*	*42½*	*	†	*Port Antonio, Jamaica*
Forty, Dominic	*ME*	*75*	*	†	*Chicago*
Foss, Leroy Merrill	*Agr*		*	†	*Cedarville*
Foster, Francis Marion	*SS*				*Rockford*
Foster, Frank Ward	*EE*	*98*	*	†	*Alexis*
Foster, George Henry	*ChE*	*105*	*	†	*Lenox Dale, Massachusetts*
Foster, Gerwin George	*Arch*		*	†	*Menominee, Michigan*
Foster, John Wellington	*Agr*	*29*	*	†	*Spring Grove*
Foster, Lucy Ray	*SS*				
Foster, Robert Alvin	*Agr*		*		*Sparta*
Foulke, Ronald Edward	*EE*	*72*	*	†	*Aurora*
Fouts, Kenneth Clay	*SS*				*Diller, Nebraska*
Fox, Austin	*Com*		*		*Oak Park*
Fox, Bertha Isabella	*LAS*		*	†	*Bushnell*
Fox, Harold Lee	*Agr sp*		*		*Chapin*
Fox, Herschell	*Agr*			†	*Chicago*
Fox, James Leslie	*CE*	*118*	*	†	*Englewood, New Jersey*
Fox, Jessie Lucilla	*Agr (SS)*	*103*	*	†	*Urbana*
Fox, Philip Hadley	*EE*		*	†	*Wheaton*
Frakes, Reba Lenore	*SS*	*6½*			*Champaign*
Fraley, Roy Allan	*SS*	*8*			*Crawfordsville, Indiana*
Frame, Byron Emmet	*SS*	*10½*			*Senecaville, Ohio*
Frame, Edith Maye	*LAS*	*27*	*	†	*Champaign*
Frame, Grace Bryan	*LAS*	*96½*	*	†	*Champaign*
Frame, Mary Shafer	*SS*				*Eldorado*
Franche, Darius Charles	*LAS*		*	†	*Chicago*
Francis, Arthur Lewis	*Com*	*54*	*	†	*Chicago*
Francisco, Cecil Emery	*Agr sp*		*		*Findlay*
Frank, Dudley Liguori	*Com*		*	†	*Chicago*
Frank, Joseph Liguori	*Agr*		*	†	*Chicago*
Franken, Gretchen	*LAS*			†	*Chandlerville*
Franks, Arthur John	*ChE*	*29*	*	†	*Springfield*
Fraser, Hazel Mable	*HSAgr*		*	†	*Elgin*
Fraser, Thomas	*MinE*	*111*	*	†	*White Hall*
Frazey, Alice Belle, A.B., 1898	*LAS*		*	†	*Urbana*
Frazier, Dorothy Caroline	*IISAgr*		*	†	*Yorkville*
Frazier, John Z	*Agr (SS)*	*42*	*	†	*Paris*
Freark, Ray Henry	*Med (SS)*	*57½*	*	†	*Champaign*
Frede, Glenn William	*Com*	*34*	*	†	*Stewardson*
Frederick, David Arthur	*Com*	*5*	*	†	*Clarence*
Frederick, Eugene Mark	*Agr*	*99*	*	†	*Clarence*

Frederick, Victoria	*LAS*		*	†	*Trenton, New Jersey*
Frederickson, Harry Grindley	*Agr*	*32*	*	†	*Champaign*
Freeburg, Walter Sven	*EE*	*79¾*	*	†	*Lindsburg, Kansas*
Freeman, Helen Busey	*LAS*		*	†	*Urbana*
Freitag, Vina	*HSAgr*	*60*	*	†	*Mackinaw*
French, Randall White Burns	*Agr*	*80*	*		*Grand Rapids, Michigan*
French, Wendell Maynard	*MdP*		*		*Kansas City, Kansas*
Frey, Hollis Oldfield	*ME*	*92*	*	†	*Bloomington*
Frey, Joseph Richard	*Com*	*30*	*	†	*Bloomington*
Frick, Arthur Henry	*Agr*	*67*	*	†	*Champaign*
Fried, Harry Nathan	*Agr*	*104*	*	†	*Chicago*
Friedlund, John Arthur	*LAS*		*	†	*Chicago*
Friedman, Harold	*Com*		*		*Chicago*
Friesenecker, Charles Joseph	*EE*		*	†	*Galena*
Frison, Theodore Henry	*LAS*	*62*	*	†	*Champaign*
Froehly, Arthur Gustav	*EE*	*27*	*	†	*St. Louis, Missouri*
Frohards, Elmer Philip	*Agr*	*81*	*	†	*Granite City*
Fromann, Ann Mildred	*LAS*	*42*	*	†	*Chicago*
Frost, Alta May	*SS*	*8*			*Jonesboro*
Frost, Kenneth Thomas Williams	*Com*		*	†	*Kankakee*
Fruit, Emund William	*Com*		*		*Kenney*
Fry, Charles Porter	*SS*				*Konts, Indiana*
Frykholm, Ellen Viola	*SS*	*13*			*Chicago*
Frymire, Alden Bowers	*Agr*		*		*Cameron*
Fullaway, Wilbur Morse	*MSE*		*	†	*Omaha, Nebraska*
Fuller, Florence Stormfeltz	*HSLAS*		*	†	*Princeton, Missouri*
Fuller, Nanny Curtis	*SS*	*8*			*Ludlow*
Fuller, Willard Smith	*MdP*		*	†	*Farmer City*
Fulrath, William Merle	*CE*	*30*	*		*Mt. Carroll*
Fulton, Robert Elliott, Jr.	*Com*	*35*	*	†	*Dixon*
Fulton, William Jewett, Jr.	*Chem*	*32*	*	†	*Keokuk, Iowa*
Fultz, Dorothy Stien	*HSLAS*		*	†	*Bushnell*
Fulwider, James Henson	*LAS*		*	†	*Freeport*
Funk, Marguerite Marie	*LAS*	*65*	*	†	*Danville*
Funk, Mary Adell	*Agr*		*		*Urbana*
Funk, Ruth Scovell	*Agr (SS)*	*100½*	*	†	*Urbana*
Furey, Warren William	*LAS*	*30*	*	†	*Chicago*
Furrer, Emery Cloyd	*CE*	*33*	*	†	*Easton*
Gaarder, Rolf Harold Josef	*Com (SS)*	*100½*	*	†	*Kristiania, Norway*
Gabriel, Carson King	*SS*	*84*			*Payson*
Gaddis, Jessie Maria	*Mus*	*155*	*	†	*Champaign*
Gaddis, Robert Ellis	*EE*		*	†	*Alton*
Gadsby, James Herbert	*Agr*	*26½*	*	†	*North Adams, Massachusetts*
Gage, Helen Louise	*HSLAS*	*32*	*	†	*Chicago*
Gage, Mildred	*LAS*		*	†	*Oak Park*
Gaines, Mabel Albertine	*HSLAS*		*	†	*Broadlands*
Gaines, Mary Glendora	*HSLAS*	*68*	*	†	*Broadlands*
Galbraith, Florence Pauline	*SS*	*7*			*Oak Park*
Galbraith, Margaret Westannah	*Agr*		*	†	*Fairbury, Nebraska*
Gale, Ralph	*Agr (SS)*	*8*	*	†	*Lincoln*
Gallagher, Fred Barron	*MSE*	*48*	*	†	*Rockford*
Gallaher, Harold	*EE*	*116*	*	†	*Tiskilwa*
Gallivan, Lyle Hugo	*AE*	*63*	*	†	*Champaign*
Gallivan, Ruth Evelyn	*LAS*		*	†	*Urbana*
Galster, Alma Lydia	*SS*	*12½*			*Tower Hill*
Galster, Augusta Emilie	*LAS (SS)*	*59¾*	*		*Tower Hill*
Galvin, Leo Lyle	*LAS*		*		*Stuttgart, Arkansas*
Gannaway, Lelia Maude	*LAS (SS)*	*61½*	*	†	*Mattoon*
Gannon, Laurence Paul	*CE*	*54*	*	†	*Chicago*
Gantert, Cylno Foote	*ChE*	*35*	*	†	*Quincy*
Gantz, Grace Dorothy	*LAS*	*31*	*	†	*Champaign*
Gantz, Howard Stanley	*Agr*	*98*	*	†	*Champaign*
Garber, Alfred Emanuel	*SS*	*123*			*Gibson City*
Gardiner, Robert Parker	*LAS*		*	†	*Chicago*
Gardiner, William Dudley	*Com*		*		*Kane*
Gardner, George Hereth	*Com*		*		*Chicago*
Gardner, McKinley	*LAS*	*73*	*	†	*Auburn*
Garlough, Melvin Nave	*AE*		*	†	*Normal*
Garman, Horace Bryan	*LAS*	*33*	*	†	*Urbana*
Garman, John Walter	*Agr*	*7*	*		*Decatur*
Garman, Ray L	*Agr*	*31*	*	†	*Bethany*
Garnett, Ida Drake	*SS*	*8*			*Macon, Missouri*
Garrison, Edith Grace	*Mus*	*65*	*		*Urbana*
Garth, Casper Tyrrell	*Com*	*97*	*	†	*Beaumont, Texas*
Gartner, Andrew Wolfgang	*Com*	*34*	*	†	*St. Charles*
Garvey, Edward James	*AE*	*63*	*	†	*Faribault, Minnesota*
Garvin, Mary Beatrice	*LAS (SS)*	*80*	*	†	*Champaign*
Garvin, Noah	*LAS*		*	†	*Champaign*
Gary, Jesse Lehman	*CE*	*77*	*	†	*Carmi*
Garza, Roman de la	*CE (SS)*	*72*	*	†	*Mexico*
Gassman, Zean G	*Com*	*48*	*	†	*Olney*
Gast, Walter Ferdinand	*ME*		*	†	*St. Louis, Missouri*
Gates, Marian Ethel	*LAS*	*34½*	*		*Galesburg*
Gates, Silas Harvey	*Agr*	*32*	*	†	*Watseka*
Gauger, Raymond Wallace	*LAS*	*114*	*	†	*Champaign*

Gault, Louis	*CE*		*	†	*Chicago*
Gaunt, Gail Eleanor	*LAS*	*72*	*	†	*Mound City*
Gaut, Rosa-Lee, B.Mus., 1912	*Mus*			†	*Knoxville, Tennessee*
Gavitt, Richard Aurelius	*CE*		*	†	*Park Ridge*
Gayle, Gilmore Jacob	*Agr*	*33½*	*	†	*Central America*
Gayle, Maurice Rowe, Jr.	*CE*	*27*	*	†	*St. Louis, Missouri*
Gaylord, Francis Moses	*Com*	*31*	*	†	*South Hadley, Massachusetts*
Geardink, Charles	*Chem*		*	†	*Hennepin*
Gehant, George Modeste	*SS*	*115*			*Dixon*
Gehlbach, Wilbur August	*LAS*		*	†	*Lincoln*
Gehrig, Arthur Gustave	*CE*	*85*	*	†	*New Douglas*
Geiger, Lester Charles	*Com*	*71*	*	†	*Mendota*
Geiger, Walter Jacob	*EE*	*36*	*	†	*Mt. Carmel*
Geiler, Frank Herman	*LAS*	*82*	*	†	*Mansfield*
Geip, Hazel Marie	*SS*				*Champaign*
Geip, Lula Maud	*SS*	*9½*			*Champaign*
Geisendorfer, Karl Edward	*SS*	*77½*			*Pittsfield*
Geiss, Marie Gertrude	*HSLAS*		*	†	*Harvey*
Geldhoff, George Stuart	*LAS*	*31*	*	†	*Grand Rapids, Michigan*
Gellert, Donald Nichol	*ME*	*36*	*	†	*Chicago*
Gemmill, Josephine Alberta	*SS*	*52*			*Sparta*
Genson, Marjorie Deane Hawkins	*SS*	*132*			*Chicago*
Gentry, Lilian	*HSLAS*		*		*Mascoutah*
Genung, Arthur Lawrence	*Arch*		*	†	*Chicago*
George, Harold Edgar	*Agr*	*163*	*	†	*Whittier, California*
George, Leslie Godfrey, A.B., 1915	*Law*	*169½*	*	†	*Staunton*
Gerke, Roscoe Harlan	*ChE (SS)*	*86½*	*	†	*Greenville*
Gerlach, Alma	*HSLAS*	*65*	*	†	*Doniphan, Missouri*
Gerling, Richard William	*CE*	*71*	*	†	*Bloomington*
Gerloff, Charles Philip	*LAS*		*		*Chicago*
Gerten, Nicholas	*CE*	*126*	*	†	*Chicago*
Geselbracht, Howard Cyril	*Agr*	*101*	*	†	*Chicago*
Gethmann, Milton	*CerE*	*71*	*	†	*Reinbeck, Iowa*
Gettinger, Dan Oscar	*SS*				*Sullivan, Indiana*
Gettle, Francis Samuel	*LAS*		*	†	*Stuttgart, Arkansas*
Gewalt, Carl Heinrich	*Arch*	*71*	*	†	*Breckenridge, Minnesota*
Gher, Ralph Giles	*CE*		*	†	*Allendale*
Gher, Reginald Owen	*Agr*		*	†	*Allendale*
Ghergancff, Penco	*ME*	*68*	*	†	*Lovetch, Bulgaria*
Ghislin, Lloyd Havens	*Com*	*59*	*	†	*Oak Park*
Ghose, Makhan Lal	*Agr sp*		*		*India*
Gibbons, Maude Alberta	*LAS*	*94*	*	†	*Metropolis*
Gibbs, Horace Clarence	*SS*	*99*			*Wisconsin*
Gibson, Harry Wilson	*Com*	*75*	*	†	*Muskogee, Oklahoma*
Gibson, James Raymond	*Com*	*22½*	*	†	*Chicago*
Gibson, Raleigh Augustus	*Com (SS)*	*94*	*	†	*Decatur*
Gibson, Susie Irene	*Agr sp*		*		*Chester, Vermont*
Gibson, Sylvia Rose	*LAS*	*102*	*	†	*Chicago*
Gibson, Thomas Robert	*Com*	*60*	*	†	*Chicago*
Giddings, Mate Lewis	*HSLAS (SS)*	*103*	*	†	*Danville*
Gideon, Charles Russell	*LAS*	*93*	*	†	*Oklahoma City, Oklahoma*
Giertz, Arthur Edward	*CE*	*105*	*	†	*Elgin*
Gifford, Ralph Egley	*Com*	*97*	*	†	*Onarga*
Gift, Lyle Henry	*Agr*	*97*	*		*Peoria*
Gift, Myrven Frank	*Agr*		*	†	*Peoria*
Gildersleeve, Charles Turner	*Agr*	*33*	*	†	*Hudson*
Gildner, Ellsworth Lowell	*AE*	*59*	*	†	*Atlantic City, New Jersey*
Giles, Lewis Wentworth	*AE*	*44*	*	†	*Washington*
Giles, Walter Arthur	*SS*				*St. Louis, Missouri*
Gill, Ivan C	*Agr*	*70*	*	†	*Albion*
Gillam, Winona Mayble	*Agr sp*	*33*	*	†	*Chicago*
Gillen, John Howard	*ME*	*66*	*	†	*Berwyn*
Gillison, James Herbert	*LAS*	*34*		†	*Westville*
Gillogly, Max	*Eng*			†	*Chicago*
Gilmore, William Edward	*Law*	*64½*	*	†	*Chicago*
Gilpatrick Gladys	*HSAgr*	*102*	*	†	*Plano*
Gilson, Samuel Reid	*LAS*		*	†	*Galena*
Gimre, Gerald Snyder	*Agr*		*	†	*Marshalltown, Iowa*
Gindorff, Matthew William, Jr.	*ChE*	*2*	*	†	*Chicago*
Ginnings, Paul Meade	*ChE*	*34*	*	†	*Macomb*
Gipson, David William	*Agr*		*	†	*Amboy*
Girhard, Harold Raymond	*LAS*	*76*	*	†	*Newton*
Gish, Owen Ellyson	*RME*	*37*	*	†	*Topeka, Kansas*
Gladish, Willis Lindsay	*SS*	*88*			*Oakwood*
Glanzner, Alma Zella	*HSAgr (SS)*		*	†	*Lebanon*
Glass, Ian	*Agr*	*30*	*	†	*Park Ridge*
Glass, Jessie June, A.B., (*University of Nebraska*), 1909	*Lib*		*	†	*Lincoln, Nebraska*
Glass, Will	*EE*	*26*	*	†	*Rock Island*
Glassco, Ruth Marie	*HSAgr (SS)*	*101*	*	†	*Urbana*
Glasser, Julius Maurice	*Med*		*	†	*Chicago*
Gleason, Raymond Micheal	*EE*	*68*	*	†	*Chicago*
Glenn, Edgar Wilson	*SS*	*65*			*Holton, Kansas*
Glenn, Sidney Erwin	*LAS sp*		*	†	*Chicago*
Glidden, Charles Clifton	*ME*		*	†	*Oak Park*

Glidden, Nausen	*Agr*		*	†	*DeKalb*
Gliffe, Ethel Florence	*LAS*		*	†	*Chicago*
Glover, Vernon Leslie	*CE*	*32*	*	†	*Mattoon*
Gluek, Arthur Louis	*Com*	*70*	*	†	*Minneapolis, Minnesota*
Glynn, Mary	*SS*	*60*			*Nauvoo*
Gnaedinger, Robert Joseph	*ChE*	*93*	*	†	*Chicago*
Goble, Charles Herbert	*Com*		*	†	*Casey*
Goddard, James Douglas	*MdP*	*54*	*	†	*Marion*
Goddard, Myron Chester	*Com*		*		*Monmouth*
Godfrey, Frank	*Com*	*59*	*	†	*Staunton*
Goebel, Anna Vreeland	*LAS*		*	†	*Urbana*
Goebel, Walter Frederick	*LAS*		*	†	*Urbana*
Goelitz, Walter Adolph	*Agr*	*72*	*	†	*Ravinia*
Goertz, Cornelia Elma	*LAS*		*	†	*Mt. Lake, Minnesota*
Goettler, Edna Agatha	*SS*	*93*			*Chicago*
Goff, Charles Weer	*MdP*	*20*	*	†	*Davenport, Iowa*
Gogerty, Henry L	*AE*	*157*		†	*Zearing, Iowa*
Going, Judson Freeman	*LAS*		*	†	*Oak Park*
Goldberg, Charlotte Deana	*LAS*	*102*	*	†	*Chicago*
Goldberg, Joseph	*MdP*	*26*	*	†	*Chicago*
Golden, Dios Edward	*CerE*		*	†	*Champaign*
Golden, Marie	*LAS*	*30*	*	†	*Greenview*
Golden, Stanley Curtis	*Com*		*	†	*Urbana*
Goldman, Frank Lyle	*Arch*	*107⅔*	*	†	*St. Louis, Missouri*
Goldschmidt, Erna Claire	*HSLAS*	*81*	*	†	*Davenport, Iowa*
Goldstein, Herman Alfred	*ChE*	*37*	*	†	*Chicago*
Goldstein, Samuel Jules	*MinE*		*	†	*Chicago*
Golinkin, Abraham Lincoln	*MSE (SS)*	*82½*	*	†	*Chicago*
Gomez, Alfonso Arzapalo	*ME*		*	†	*Mexico City, Mexico*
Gomez, Ramiro	*Com*		*		*Mexico City, Mexico*
Gooch, DeWitt Robert	*Agr (SS)*	*42½*	*		*Bellflower*
Gooch, Mabel Madellon	*LAS*	*95*	*	†	*Aurora, South Dakota*
Goodell, Horace Holbrook	*CE*	*34*	*	†	*Beardstown*
Goodfellow, Thomas	*Com*		*	†	*Peoria*
Gooding, Laura Lavonia	*HSAgr*	*26*	*	†	*Belleville*
Goodman, Albert Nelson	*AE*	*38*	*	†	*LaSalle*
Goodman, George Phineas	*Agr*		*	†	*Mason City, Iowa*
Goodmann, Beatrice Ida	*HSLAS*	*35*	*	†	*Champaign*
Goodpasture, Gladys Marie	*LAS*	*29*	*	†	*Urbana*
Goodspeed, Willetta Myrtle	*Agr*	*11*	*	†	*Urbana*
Goodwillie, Douglas Monroe	*Com*	*29½*	*	†	*Chicago*
Goodwin, Helen Huntington	*SS*	*82*			*Belvidere*
Gordon, Frank Allyn	*LAS*	*30*	*	†	*Urbana*
Gordon, Jesse Franklin	*Com*		*	†	*Bremen, Indiana*
Gordon, Kenneth Hickok	*EE*	*71½*	*	†	*Quawka*
Gordon, Marie Antoinette	*SS*	*58*			*Urbana*
Gordon, Russell Lowell	*ME*		*	†	*Urbana*
Gordon, William Jennings	*Com*		*	†	*Bremen, Indiana*
Gore, Harmon Carroll	*Agr*		*	†	*Morris*
Gore, Roy Cletis	*LAS (SS)*	*69*	*	†	*Elmwood*
Gorey, George Francis	*MSE*	*111*	*	†	*Joliet*
Gorham, John William	*SS*	*71*			*Mt. Union, Iowa*
Gormley, Vincent Lewis	*Agr*	*98½*	*		*Chicago*
Goss, Henry Hamilton	*Agr*		*	†	*Peoria*
Gotte, Hugo Palmer	*Com*		*	†	*Libertyville*
Gotti, Harry Dominic	*Com*	*26*	*		*Libertyville*
Gottschalk, Arthur Hubert	*LAS*	*31*	*	†	*Springfield*
Gould, Anthony Ready	*Agr*	*103*	*	†	*Urbana*
Gould, Clifford Burt	*CE*	*36*	*	†	*Aurora*
Gould, Frank Elmer	*Com*	*63*	*	†	*Sterling*
Gould, Helen	*LAS*	*32*	*	†	*LeRoy*
Gould, Maurice Augustus	*CE (SS)*	*111*	*	†	*New Sharon, Iowa*
Gould, Philip Newhall	*LAS*	*35*	*	†	*Evanston*
Goveia, Lawrence Theodore	*AE*	*32½*	*	†	*Jacksonville*
Gowd, Rayadurg Nagan	*Agr*	*71*	*	†	*Hoopet, India*
Grabbe, Lowell Francis	*Com*	*27*	*	†	*Urbana*
Graesser, Roy French	*LAS*	*85*	*	†	*Burlington, Iowa*
Graham, Elizabeth, A.B., 1915	*SS*	*140*			
Graham, Florence	*LAS*	*13*	*	†	*Chicago*
Graham, Harland Brown	*Agr*	*113*	*	†	*Los Angeles, California*
Graham, Mark Edward	*EE*	*68*	*	†	*Chicago*
Graham, Pearson Fred	*Law sp*		*	†	*Aledo*
Graham, Vera Estella	*LAS sp*		*	†	*Kirkwood*
Grainger, William Wallace	*EE*	*65*	*	†	*Chicago*
Grant, William Wulfing	*EE*			†	*Southbridge, Massachusells*
Grantz, Raymond Lorimer	*Law*	*86*	*	†	*Rockford*
Graven, Anker Suerre	*Arch*	*126*	*	†	*Menominee, Wisconsin*
Graves, Anna	*LAS*		*	†	*Aurora*
Graves, Frank Wilkinson	*Agr (SS)*	*100*	*		*Silver Creek, New York*
Gray, Harold Youmans	*Com*		*	†	*Ogden*
Gray, James Madison	*Com*	*68*	*	†	*Decatur*
Gray, Kline	*EE*	*36*	*	†	*Oakwood*
Gray, Leslie Ray	*EE*	*108*	*	†	*Bloomington*
Gray, Otto Benton	*Agr*	*61*	*	†	*Maroa*
Gray, Russell Callam	*Agr*	*90*	*	†	*Chickasha, Oklahoma*

Gray, Sidney Jay	*Agr*		*	†	*Princeton*
Gray, William Jasper	*LAS*	54½	*		*Lovington*
Graybill, Clara May	*SS*	7½			*Decatur*
Green, Esther Cranston	*HSLAS*	67	*	†	*Urbana*
Green, Gladys	*HSLAS*	99	*	†	*Oakwood*
Green, Herschel Samuel	*Com*		*	†	*West York*
Green, John Neville	*LAS*	34	*		*St. Louis, Missouri*
Green, Robert Marion	*Agr*		*		*Chicago*
Green, Ruth	*LAS*		*		*Urbana*
Greene, Birdie Wilmah	*LAS*	98½	*	†	*Tallula*
Greene, Joel Waring	*Agr*	65	*	†	*Urbana*
Greene, Scott Corwith	*LAS*	30½	*	†	*Wilmette*
Greener, Walter Henry	*LAS*			†	*Streator*
Greenhalgh, Amy Elizabeth	*LAS*		*	†	*Hillsboro*
Greenhill, Harold	*ME*	106	*	†	*Chicago*
Greenleaf, Myrtle	*LAS*		*	†	*Waukegan*
Greenman, Ruth Ann Maria	*LAS*		*	†	*Pond Creek, Oklahoma*
Greenwell, Earl Eugene	*Chem (SS)*	105	*	†	*Harvey*
Greer, Donald Malcome	*LAS*	32	*	†	*Anderson, Indiana*
Greer, Thomas Shadrach	*SS*	5½			*Hartford, Kentucky*
Gregg, Marion Elsie	*HSLAS*	98	*	†	*Chicago*
Gregory, James Henry	*LAS*	18	*	†	*Aurora*
Gregory, John Milton	*Com*	67	*	†	*Kansas City, Missouri*
Gregory, Julius Elmer	*Com*	36	*	†	*Olney*
Grewe, Charles Henry	*Agr*	103½	*	†	*Lawrence, Michigan*
Grewelle, Helen	*SS*				*Star City, Indiana*
Grey, Newton Fox	*Agr*	125½	*		*Evanston*
Gridley, Charles Orville	*LAS*		*	†	*Peoria*
Gridley, Frederick Russell	*CE*		*	†	*Amboy*
Gridley, John Newton	*Agr*	109	*	†	*Biggsville*
Gries, Albin George	*AE*	12	*	†	*Chicago*
Grieser, Robert Waller	*Com (SS)*	32	*		*Quincy*
Griffin, Glenn Frank	*LAS (SS)*	92	*	†	*Traverse City, Michigan*
Griffin, Loyal Martin	*Com*	48	*	†	*Champaign*
Griffith, Burdette	*Agr*	47	*	†	*McNabb*
Griffith, Kathryn	*HSAgr*	31	*	†	*McNabb*
Griffith, Louise C	*LAS*			†	*North Chile, New York*
Griffith, Stanwood John	*Agr*	68	*	†	*Ashton*
Griffith, Vernon Sumner	*Agr*	68	*	†	*Clinton*
Griffith, Willard Warren	*Agr*		*	†	*Watseka*
Griffiths, Claude H	*SS*	11½			*Roodhouse*
Grigg, Jerome Bruner	*MinE*	43	*	†	*Joplin, Missouri*
Griggs, Marshall Clyde	*Com*	30	*	†	*Metamora*
Grigsby, Hugh	*SS*	132			*Peoria*
Grigsby, Melborn Redmond	*SS*	24½			*Petersburg, Indiana*
Grim, Boyd Allen	*Com*	27	*		*Canton*
Grimes, Earl Jerome	*Agr (SS)*	48½	*	†	*Russellville, Indiana*
Grimes, Helen June	*HSLAS*		*	†	*Danville*
Grimm, Horace Francis	*LAS*		*	†	*St. Louis, Missouri*
Grimm, Thomas Carlyle	*LAS*		*	†	*St. Louis, Missouri*
Gripp, Elmore Albert	*Com*	71	*	†	*Moline*
Grisemer, Walter	*LAS*	60	*	†	*Bremen, Indiana*
Griswold, John Douglass	*Com*		*	†	*Camp Point*
Griswold, Keith Donald	*Com*	3½	*		*Plymouth*
Grizzelle, Miles Crumbaugh	*Agr*		*	†	*LeRoy*
Grommon, Helen Wightman	*HSLAS*	65	*	†	*Plainfield*
Groniger, Harlan Jerome	*Agr sp*		*	†	*Mattoon*
Gronnerud, Herbert Melvin	*CE*	36	*	†	*Chicago*
Grosche, Alfred George	*Agr*	26	*	†	*Matteson*
Gross, Christian	*Agr (SS)*	100	*	†	*Chicago*
Gross, Dorothy Lillian	*HSLAS*	16	*	†	*Carlyle*
Grossberg, Victor Hubert	*Law*	85½	*	†	*Chicago*
Grossman, William Abraham	*Com*	75	*	†	*Peoria*
Grotevant, Nina	*HSLAS*	63	*	†	*Pekin*
Grathaus, Julia Ellen	*Lib*		*	†	*San Antonio, Texas*
Grover, Donald Dana	*AE*	47	*	†	*Rockford*
Groves, Charles Harold	*Com (SS)*	29	*	†	*Champaign*
Gruhl, Clarence John	*AE (SS)*	132	*	†	*Milwaukee, Wisconsin*
Grundman, Paul Albert	*Com*	27	*		*Chicago*
Gruner, Raymond William	*SS*	143			*Speer*
Grunewald, Carl Frederick	*LAS*	40	*	†	*Chicago*
Gruny, George Robert	*Agr*	52	*	†	*Camp Point*
Gudbrandsen, Kirsten J	*LAS*	27	*	†	*Chicago*
Guernsey, Ernest William	*Chem*	63	*	†	*Vincennes, Indiana*
Guha, Kedoresevar	*LAS*		*		*India*
Guha, Monnida Chanda	*LAS*		*	†	*Chittagarg, India*
Guild, Lois Greene	*Agr*	113	*	†	*Urbana*
Guild, Walter Rayford	*Com*		*	†	*Providence, Rhode Island*
Guilliams, Gordon Baudouin	*Agr*	45½	*	†	*Evanston*
Gulick, Charles Ward	*EE*		*	†	*Champaign*
Gulick, Louise Scherman	*SS*	4			*Champaign*
Gulley, Henry Alexander	*CE*	38	*	†	*Roy, New Mexico*
Gumm, Minnie Carol	*HSAgr*		*	†	*Marseilles*
Gunning, Nadine Elsie	*HSLAS*	32	*	†	*Wilmington*
Gunther, Felix Arno	*REE*	86	*	†	*Quincy*

Gunther, Louis Henry Edward	*ME*			†	*LaSalle*
Gunther, Regina Louise	*LAS*			†	*Owensboro, Kentucky*
Gurda, Francis Stanislaus Roman	*AE*	*22*	*	†	*Milwaukee, Wisconsin*
Gustafson, Axel Ferdinand, M.S., 1912	*LAS*		*	†	*Aledo*
Gustafson, Carl Albert	*AE*	*110*	*	†	*West Fort Dodge, Iowa*
Guthrie, John Oliver	*Com*		*	†	*LaSalle*
Guthrie, Virgil Homer	*SS*				*Newton, Iowa*
Guynn, Jesse Frederick	*Agr*	*69*	*	†	*Dewey*
Gwinn, Andrew Burkey	*Com*		*	†	*Bunker Hill, Indiana*
Haake, Harry George	*CE*	*44*	*	†	*Urbana*
Haas, Orville Francis	*EE*	*72*	*	†	*El Paso*
Haas, Raymond Christian	*Com*	*35*	*	†	*Evansville, Indiana*
Haase, Elsa	*LAS*	*29*	*		*Oak Park*
Haase, Harold Raymond	*Com*	*23*	*	†	*Oak Park*
Hackley, Elizabeth Pursel	*LAS*	*98½*	*	†	*Urbana*
Hackley, John Hale	*EE*	*51*	*		*Marengo*
Hackney, Joseph Dryden	*Com sp*		*	†	*Carthage, Missouri*
Hadelman, Louis	*MSE*	*33*	*	†	*Waukegan*
Hadley, Lillian	*Mus*	*41*	*	†	*Cambridge*
Hagan, Bernard Anthony	*ME (SS)*	*33*	*	†	*Champaign*
Hagan, John Joseph	*Agr*		*	†	*Champaign*
Hager, Frank Stafford	*ME*	*37*	*	†	*St. Louis, Missouri*
Hager, Henry Merritt	*Com*	*100*	*	†	*Dwight*
Haggerty, Sara Mae	*LAS*		*	†	*Champaign*
Hague, Stella	*SS*	*22*			*Urbana*
Hahn, Grace Louise	*HSAgr*	*65*	*		*West Chicago*
Haight, Ethel Caroline	*SS*	*3½*			*Paynette, Wisconsin*
Hair, Arthur J	*EE*	*66½*	*	†	*Greenville*
Haish, Theodore Adam	*Com*	*84*	*	†	*Hinckley*
Halas, George Stanley	*CerE*	*75*	*	†	*Chicago*
Haldeman, Glenn Merlin	*EE (SS)*	*73½*	*	†	*Ponca City, Oklahoma*
Hale, Cedric	*ChE*		*	†	*Chicago*
Hall, Allen Howell	*LAS*	*19*	*	†	*New Germantown, New Jersey*
Hall, Cecil James	*Com*	*31*	*	†	*Urbana*
Hall, Edward Knight	*Agr (SS) sp*	*64*	*	†	*Ladybrand, O.F.S., South Africa*
Hall, Emory George	*Com*	*98*	*	†	*Rockford*
Hall, Janie Sophronia	*SS*	*16*			*Carbondale*
Hall, Joseph Lowe	*ChE*	*66½*	*	†	*Sullivan*
Hall, Karl William	*ME*	*36*	*	†	*Cherokee, Iowa*
Hall, Kenneth Canright	*Com*	*63*	*	†	*Chicago*
Halladay, Harriett Virginia	*LAS*		*	†	*Streator*
Halliday, Mabel	*Mus sp*		*		*Clio, Michigan*
Halligan, John Edison	*Arch*	*36*	*	†	*Quincy*
Halliwell, Ashleigh Drake	*Com*	*32*	*	†	*Chicago*
Hamill, Warren Catlin	*CE*		*	†	*Murissa*
Hamilton, Chauncey Geyer	*LAS*	*99*	*	†	*Colfax*
Hamilton, Don Herman	*Agr*	*98*	*	†	*Paris*
Hamilton, Edith LaVantia	*SS*	*4*			*Derrand*
Hamilton, Ray Leonidas	*LAS*	*32*	*	†	*LaSalle*
Hamilton, Tom Sherman	*Chem (SS)*	*109½*	*	†	*Paris*
Hamilton, William Jacob	*LAS*	*91*	*	†	*Latham*
Hamilton, William R	*EE*			†	*Weir, Kansas*
Hamlin, Ina Marie	*Com (SS)*	*2*	*	†	*Urbana*
Hammans, Charles Erle	*Com*		*		*Stuttgart, Arkansas*
Hammon, Clarence Trumbul	*Agr*	*13*	*	†	*Urbana*
Hammond, Asaph Chandler	*Agr*	*60*	*	†	*Warsaw*
Hammond, Leonard Ayers	*Agr*	*65*	*	†	*Warsaw*
Hammond, Ruth Edith, A.B., 1914	*Lib*	*33*	*	†	*Springfield, Missouri*
Hampson, Herbert	*ME*	*27*	*	†	*Mattoon*
Hanafee, Leo Boleman	*Com*		*	†	*New Albany, Indiana*
Hanaford, Earl Joseph	*Com*	*32*	*	†	*Elgin*
Hanawalt, William Gilbert	*ME*	*35*	*	†	*Galva*
Hance, George Martin	*Agr*	*33*	*	†	*Marengo*
Hancock, Myron Scott	*EE*	*108*	*	†	*Beecher City*
Hancock, Walden Wood	*Com*	*63*	*	†	*Casey*
Hand, Charles Silas	*Com*	*29*	*	†	*Champaign*
Hand, Ella Marie	*LAS*	*20*	*		*Champaign*
Handlin, William Clyde, A.B., 1909	*SS*	*136⅚*			*Lake Fork*
Haney, Robert Charles	*Com*		*	†	*Dolton*
Hanft, Theodore Martin	*Agr*		*	†	*New Athens*
Hanger, Maynard Jewell	*EE*		*	†	*Byron*
Hanger, Paul Newton	*Agr*	*98*	*	†	*Urbana*
Hankla, Willie Burch	*SS*				*Geary, Oklahoma*
Hanmore, John Leon	*Law*	*136*	*	†	*Urbana*
Hanschmann, Fred Robert	*AE*	*67*	*	†	*Dolton*
Hansen, Anker Fred	*Arch*	*71*	*	†	*Oshkosh, Wisconsin*
Hansen, Clarence Magnus	*LAS*	*40½*	*	†	*Racine, Wisconsin*
Hansen, Isabel Marie	*HSLAS*		*	†	*Fulton*
Hansen, James Edward	*LAS*		*	†	*Brookston, Indiana*
Hanson, Gladys Evalena	*LAS sp*		*	†	*Rock Island*
Hanson, Jennings William	*EE*	*38*	*	†	*Chicago*
Harbicht, Harlan Carl	*MinE*	*78*	*	†	*Hannibal, Missouri*
Hardesty, Bonnie Jean	*LAS (SS)*	*55*	*	†	*Homer*
Hardiman, Leo Bernard	*AE (SS)*	*98*	*	†	*Los Angeles, California*
Hardin, Daniel Lawrence	*Arch*	*36*	*	†	*Kansas City, Missouri*

Hardin, Annie Ruth	*SS*				*Champaign*
Hardin, William Atwater	*Agr*	*92*	*	†	*Keithsburg*
Harding, Leola Glenn	*SS*	*8*			*Greenville*
Harding, William Thomas	*Chem (SS)*	*50½*	*	†	*Greenville*
Hardy, Clifton Stanley	*LAS*	*24*	*	†	*Washington, D. C.*
Hardy, Edward Leroy	*Chem*		*	†	*Oak Park*
Hardy, Elsie Euphemia	*SS*	*7½*			*Cedar Falls, Iowa*
Hardy, Howard Henry	*Agr*	*32*	*	†	*Watseka*
Harford, Lyle Fowler	*Agr sp*		*	†	*Alton*
Harkins, Edith Leora	*LAS*		*	†	*Tonica*
Harland, Marion Boyer	*Agr*	*67*	*	†	*Washington, Iowa*
Harmon, Homer Noah	*SS*	*8*			*Walsh*
Harmon, Madonna Marguerite	*HSAgr*		*	†	*Marion, Indiana*
Harn, Jerry Anson	*Law*	*49*	*	†	*Lewistown*
Harnack, Vernon Leslie	*Chem*	*34*	*	†	*Urbana*
Harper, Charles Athiel	*SS*	*16*			*East St. Louis*
Harper, Ernest Glenn	*SS*	*54½*			*Glasford*
Harper, Mrs. Ethel Brunker	*LAS sp*		*	†	*Riley, Indiana*
Harper, Homer Munda	*Agr (SS)*	*94*	*		*East St. Louis*
Harrah, Chester Philip	*SS*	*19*			*Bloomfield, Indiana*
Harrington, Bernard Wilfred	*LAS*	*36*	*	†	*Champaign*
Harrington, Earl Charles	*LAS (SS)*	*2½*	*	†	*Champaign*
Harrington, J G	*LAS sp*		*	†	*Mt. Carmel*
Harrington, Rollin Barnes	*LAS*		*	†	*Logan, Ohio*
Harris, Charles Leland	*EE*	*26*	*		*Washington, Indiana*
Harris, Edgar Waters	*SS*				*Kansas City, Kansas*
Harris, Elizabeth Payne	*LAS*	*96*	*	†	*Champaign*
Harris, Hannah Hahn	*LAS*	*98*	*	†	*Champaign*
Harris, Nora Pearl	*SS*	*8½*			*Johnston City*
Harris, Richard August	*ChE*		*	†	*Quincy*
Harris, Robert Bruce	*Agr*	*61*	*	†	*Getman*
Harris, William Eber	*SS*	*6½*			*Milford Center, Ohio*
Harris, William Rutledge	*Law*	*57*	*	†	*Macomb*
Harrison, Benjamin Samuel	*LAS (SS)*	*79*			*Villa Grove*
Harrison, Elbert Iredell	*AE*	*30*	*	†	*Bloomington*
Harrison, Jeanette	*MdP*		*	†	*Kankakee*
Harrison, Marion Allen	*Agr sp*		*		*Brownsville, Oregon*
Harsch, John Will	*ChE*		*	†	*Oltumwa, Iowa*
Hart, Archie Harrison	*Agr*	*81*	*	†	*Grand Chain*
Hart, Hermon E	*ME*		*		*Barry*
Hart, Marion Murphy	*LAS (SS)*	*68½*	*	†	*Benton*
Hart, Richard Nelson	*Agr*	*105*	*	†	*Brighton*
Hart, Viola Immogene	*LAS*		*	†	*Waverly*
Hart, William James	*LAS*		*	†	*Fairmount*
Hartman, Ervin Cristian	*LAS*	*45*	*	†	*Waterloo*
Hartman, Ethel Bretton	*Agr sp*		*	†	*Mounds*
Hartman, Lucille Marie	*LAS*		*	†	*New Albany, Indiana*
Hartman, Milton Miles	*Agr*	*38*	*	†	*Freeburg*
Hartmann, William Monroe	*Chem*	*40*	*	†	*Chicago*
Hartwell, Godfrey	*AE*	*73*	*	†	*LaPorte, Indiana*
Hartzell, Carl	*SS*	*2*			*Stewartstown, Pennsylvania*
Harvey, Alfred Dallas	*CE*		*	†	*Kansas City, Missouri*
Harvey, Robert Allen	*EE*	*71*	*	†	*Fairfield*
Harvey, Sarah Jane	*LAS*		*	†	*Terre Haute, Indiana*
Harvey, William Clyde	*Com*		*	†	*Manteno*
Harz, Albert William	*Agr*	*100*	*	†	*Champaign*
Hasbrook, Robert Locke	*Com*	*24*	*	†	*Chicago*
Haselton, Harry Chamberlain	*Agr*		*	†	*River Forest*
Hasenpflug, Roy	*EE*		*	†	*Waterloo, Ontario*
Hasty, Russell Lowell	*Agr*		*	†	*St. Joseph*
Hathorne, Emilie Marion	*Chem*		*	†	*Waukegan*
Havens, James Dewey	*Com*		*	†	*Ladoga, Indiana*
Haverstock, Arthur Burton	*Com sp*		*		*Champaign*
Hawes, Henry Clifford	*Com*	*97*	*	†	*Atlanta*
Hawley, Webster Clark	*Agr*		*	†	*La Grange*
Hawthorne, Wendell Zenas	*Arch*		*	†	*Waukegan*
Hawver, Paul Loren	*SS*	*14*			*Decatur*
Hayes, Clarence McCleskey	*Agr*	*26*	*	†	*Washington, Indiana*
Hayes, Columbus Ferrell	*Com*	*143*	*	†	*New London, Iowa*
Hayes, Earle Melville	*Agr*	*91*	*	†	*Kings*
Hayes, Edward Bean	*LAS*	*68*	*	†	*Urbana*
Hayes, Margaret Lois	*Mus sp*		*	†	*Champaign*
Hayes, Oliver Howard	*Agr*	*29*			*Pleasant Plains*
Hayford, Arthur Wellesley	*ChE*	*61¾*	*	†	*Chicago*
Hayne, Walter Elliott	*EE*	*69*	*	†	*Chicago*
Hays, Frank Kerr	*Agr*	*29*	*	†	*Chicago*
Hayward, Morris Hathaway	*Agr*		*		*Peoria*
Hazen, Gladys May	*HSAgr*	*27*	*	†	*Rockford*
Head, Glenn Lloyd	*SS*	*122*			*Sciota*
Healy, William Carleton	*Com*	*71*	*	†	*Glenburn, North Dakota*
Heartt, William D	*Agr*		*		*Chicago*
Heaton, Henry Herman	*LAS*	*24*	*	†	*Roscdale, Indiana*
Heckler, Leo Chrysostom	*REE (SS)*	*104*	*	†	*Harvey*
Heckman, Walter Chris	*EE*		*	†	*Pekin*
Heckmann, Louis Frederick, Jr.	*Arch*	*32*	*		*New Harmony, Indiana*

Hedenberg, John Wesley	*Agr*		*	†	*Chicago*
Hedgcock, Martha Elizabeth	*HSLAS*	*64*	*	†	*Plymouth*
Hedges, Edwin Alvin	*Mus sp*		*		*Savoy*
Hedrick, Marie Adaline, A.B., (*University of Kansas*), 1915	*Lib*		*	†	*Kansas City, Missouri*
Heeschen, Richard George	*Chem*	*70*	*	†	*Davenport, Iowa*
Hegener, Archie Leo	*LAS*	*112*	*		*Bluff Springs*
Hegsted, Martin Anton	*AE*	*67*	*	†	*Chicago*
Heidler, Antionette Marie	*HSLAS*		*	†	*Oak Park*
Heidler, Joe Bunn	*LAS*	*65*	*	†	*Springfield*
Heikes, Samuel Irving	*Com*		*	†	*Dakota City, Nebraska*
Hein, Mary Rachel	*HSAgr*	*114½*	*	†	*Champaign*
Hein, Mason August	*Agr*	*101*	*	†	*Champaign*
Heindel, Spencer Rehbock	*CE*	*107*	*	†	*Stockton*
Heineke, Hilton Edward	*LAS*		*		*Streator*
Heineke, Paul Henry	*Law*	*95*	*	†	*Streator*
Heinemeier, Roy Frank	*Chem*		*	†	*Hinckley*
Heinicke, Herbert Martin Edward	*ChE*	*37*	*	†	*St. Louis, Missouri*
Heinz, Katherine Lorella	*SS*	*4*			*Champaign*
Heise, Walter Otto	*Agr*	*37½*	*	†	*Neponset*
Heitsmith, Grace	*HSLAS*		*	†	*South Bend, Indiana*
Heizer, Edith	*LAS*		*	†	*Maywood*
Held, Irene Lucille	*HSLAS*		*	†	*Clay Center, Kansas*
Helm, Harry Gray	*LAS*	*67*	*	†	*Grayville*
Helm, Herbert Clarence	*Agr*	*131*	*	†	*Metropolis*
Helm, Laeta Elizabeth	*HSLAS*		*	†	*Springfield*
Hemb, Harold Borden	*ME*	*35½*	*	†	*Dundee*
Hemb, Thorvald Edward	*Com*		*	†	*Dundee*
Hemingway, Arthur Leland	*Agr*		*		*Arcola*
Henderson, Alice Pryor	*SS*				*Decatur*
Henderson, Anna Hazel	*LAS (SS)*	*54*	*	†	*Champaign*
Henderson, Bruce Walter	*MdP*		*	†	*Holcomb*
Henderson, Ewell B	*SS*	*5½*			*Cameron, Missouri*
Henderson, Irene	*LAS*		*		*Bloomington*
Henderson, Melvin	*Agr*	*29*	*	†	*Leland*
Henderson, William, Jr.	*Agr (SS)*	*42*	*	†	*Millers Ferry, Alabama*
Henderson, William Franklin	*SS*	*6*			*Decatur*
Henley, Thomas Edward	*Agr*	*34*	*	†	*Mattoon*
Henn, Elmer John	*Agr*		*	†	*Champaign*
Henn, Hildagard Anna Sarah	*HSAgr (SS)*	*87½*	*	†	*Toluca*
Henn, Russell Jennings	*LAS*		*	†	*Paris*
Henneberry, Theresa Mary	*LAS sp*			†	*Elkhart*
Henning, Caspar Ferdinand	*MSE*	*37*	*	†	*Mendota*
Henry, Elizabeth	*Lib*	*31*	*		*Quincy*
Henry, Victor Max	*Agr*	*33*	*	†	*Champaign*
Hensold, Harold Hortman	*Agr*	*94*	*	†	*Tonica*
Henson, Charles Newell	*Com*		*	†	*Villa Grove*
Henson, Margaret Emily Virginia	*Agr (SS)*	*64*	*	†	*Urbana*
Henson, Mark Stephen	*Agr sp*			†	*Urbana*
Herdman, Frank Victor	*ME*	*39*	*	†	*Winnetka*
Hermanson, Frank Alfred	*Com (SS)*	*102⅚*		†	*Milford*
Herr, Charles Asmer	*Agr sp*	*31*	*	†	*Quincy*
Herrcke, Ralph Julius	*Com*		*	†	*LaSalle*
Herrick, Winfred Crouse	*Agr*	*3*	*		*Rockford*
Herriott, Opal Vida	*HSAgr*		*	†	*Champaign*
Herrmann, Clarence Charles	*Com*		*	†	*Kenosha, Wisconsin*
Herwig, Lee Conrad	*CE*		*	†	*Ashton*
Herzer, Margaretha Beata	*SS*	*23⅜*			*Springfield*
Hesemann, Henry Bailie	*EE*		*	†	*Altamont*
Hesley, Karl	*SS*				*Pittsfield*
Hess, Oral Vera	*SS*	*141*			*Sidney*
Hess, Paul David	*MinE*	*29*	*	†	*Pittsburg, Kansas*
Hesser, George Balchelder	*Agr*	*31*	*	†	*Urbana*
Heuer, Joseph Henry	*CE*		*	†	*Libertyville*
Hewes, Ella Isabelle	*SS*				*Crete*
Heyduck, Lawrence Eugene	*ME*	*37*	*	†	*Centralia*
Hexter, Avromi Nathan	*SS*	*27*			*Memphis, Tennessee*
Hickey, Daniel Webster, Jr.	*EE*	*71*	*	†	*Aurora*
Hickey, John Raymond	*CE*	*28*		†	*St. Louis, Missouri*
Hicks, George	*Agr*	*28*	*		*Chadwick*
Hicks, John Emer	*Agr*		*	†	*Onarga*
Hicks, Mrs. Mary Hannah Broadbelt	*LAS*	*60*	*	†	*Champaign*
Hicks, Thomas Henry	*LAS*		*	†	*Warren*
Hicks, Victor La Naier	*Agr sp*	*22*	*	†	*Columbia, Missouri*
Hicks, Vivian Elizabeth	*LAS*		*	†	*Columbia, Missouri*
Higgins, Arthur Eugene	*Com sp*		*	†	*La Grange*
Higgins, Margaret Elizabeth	*SS*	*66*			*Bee Ridge, Florida*
Higgins, Mary Marguerite	*SS*	*107*			*Joliet*
Highfield, Allen Ross	*LAS*			†	*Belleville*
Highsmith, Evangeline Anne	*LAS*		*	†	*Lawrenceville*
Hilburn, Carl Thomas	*CE*	*125*	*	†	*Bicknell, Indiana*
Hildebolt, Harry Clifford	*Agr*	*116½*	*	†	*Eaton, Ohio*
Hill, Arthur Collins	*EE*	*2*	*		*Earlville*
Hill, George Oliver	*Com*		*	†	*Highland Park*
Hill, Gertrude Ozeta	*SS*	*16*			*Sullivan*

Hill, Harold Wayne	*MdP*		*	†	*Winchester*
Hill, Helen Wilder	*Agr sp*		*	†	*Decatur*
Hill, Lawrence Elias	*AE*	*68*	*		*Chicago*
Hill, Mary Muriel	*LAS*	*16*	*	†	*Kansas City, Missouri*
Hill, Raymond Max	*LAS*		*	†	*Vincennes, Indiana*
Hill, Robert Earl	*Law*	*115*	*	†	*Flora*
Hill, Virl Zinn	*MdP*		*	†	*Streator*
Hill, William Harry	*SS*	*3½*			*Medford, Oklahoma*
Hilliard, Erin Martha	*Agr sp*		*		*Huntingdon, Tennessee*
Hilliard, Lyndal	*SS*	*43*			*Fairfield*
Hills, David Avery	*EE*	*106½*	*	†	*Evanston*
Hilpert, Martha	*HSAgr*	*91½*	*	†	*St. Louis, Missouri*
Hiltabrand, Wendell Phillips	*Agr*	*60⅓*	*	†	*Peoria*
Hilton, Ivan Jay	*MSE*	*20*	*	†	*Springfield*
Himes, Shelby Dexter	*Com*		*	†	*Galva*
Himmelreicher, Walter August	*CE*	*108*	*	†	*Chicago*
Hindman, Loel Heyward	*Agr*		*	†	*Anna*
Hinds, Almon Wilkinson	*ME*	*66*	*	†	*Decatur*
Hines, Lyle Wilbur	*Com (SS)*	*92*	*	†	*Fairmont, Minnesota*
Hinrichs, Herbert Stassen	*Agr*	*86*	*	†	*Joliet*
Hipple, Roy Everett	*Agr*	*101*	*	†	*Waterman*
Hirstein, John A	*Agr*	*104½*	*	†	*Summerfield*
Hirth, Mildred	*HSLAS*			†	*Quincy*
Hite, Edward Spalding	*AE*		*	†	*Terre Haute, Indiana*
Hitt, Katherine, A.B., 1915	*Lib*		*	†	*Chicago*
Hixon, Hope Ada	*LAS*	*32*	*	†	*Urbana*
Ho, Chu Kin	*MinE*		*	†	*Canton, China*
Hobart, Floyd Beatty	*ChE*		*	†	*West Lebanon, Indiana*
Hobart, Harriet Laura	*SS*	*8*			*Roscoe*
Hockstuhl, Eugene Harold	*EE*		*		*Clifton Terrace*
Hodge, John Reed	*AE*	*73*	*	†	*Carbondale*
Hoehnke, Herbert William	*AE*	*73*	*	†	*Sheboygan, Wisconsin*
Hoff, Einar Benjamin	*Agr*		*	†	*Oak Park*
Hoffman, Aaron Andrew	*Com*	*107*	*	†	*Dwight*
Hoffman, Harold	*Com*	*35*	*	†	*Dwight*
Hoffman, Harry Burton	*Agr*		*	†	*Vandalia*
Hoffman, Louis Arthur	*LAS (SS)*	*101½*	*	†	*Harvey*
Hoffman, Mary Margaret	*LAS*	*35*	*	†	*Champaign*
Hoffman, Max Robert	*ME*	*65*	*	†	*DePue*
Hofreiter, Jessie Belle	*LAS*	*17*	*		*Green Valley*
Hogan, Carl Monta	*LAS*		*	†	*Ellendale, North Dakota*
Hogarty, Alexander Joseph	*SS*	*5⅓*			*Lexington, Kentucky*
Hohm, Harley Daniel	*Agr*	*50*	*	†	*Sycamore*
Holaday, Kenneth Marion	*ChE*	*68*	*	†	*Mattoon*
Holecek, Albert Bernard	*Law*	*99*	*	†	*Chicago*
Hollandsworth, Helen Margaret Ann	*LAS*	*100*	*	†	*Canton*
Hollingsworth, Chauncey Raymond	*EE*	*36*	*	†	*Stronghurst*
Holmes, Laura Clark	*HSAgr*	*101*	*	†	*West Chicago*
Holmes, Oliver Wendell	*Agr*	*89*	*	†	*Greenfield*
Holstein, Inez	*SS*	*3½*			*Urbana*
Holstein, Irma	*LAS sp*		*	†	*Urbana*
Holt, Herbert Edward	*Agr*	*34*	*	†	*Wheaton*
Holton, William Burroughs	*LAS*			†	*Chicago*
Holtzman, Harold Hoover	*Agr*	*35*	*	†	*Chicago*
Homrich, Leslie	*SS*	*76*			*Galena*
Honaker, Lombe Scott	*SS*	*8½*			*Wytheville, Virginia*
Honaker, Stuart French	*SS*	*6½*			*Wytheville, Virginia*
Honey, Myrtle Eveline	*Agr (SS)*	*72*	*	†	*Dixon*
Honnold, Loie James	*Agr*	*69*	*	†	*Kansas*
Hood, Vance Robert	*Com*		*	†	*Mansfield*
Hoots, Paul Frost	*Chem*	*35*	*	†	*Mattoon*
Hoover, Arthur Daniel	*LAS*		*	†	*Oak Park*
Hoover, Walter Senn	*SS*	*⅚*			*Lovington*
Hope, Annabel	*HSLAS*		*	†	*St. Louis, Missouri*
Hopkins, Eugene Canfield	*Agr*	*97*	*	†	*Yorkville*
Hopkins, Guy Beatty	*EE*	*110*	*	†	*Delavan*
Hopkins, Samuel Curtis	*Com*	*103*	*	†	*Urbana*
Horen, Louis	*LAS (SS)*	*66*	*	†	*Madison*
Horimura, Hirosh	*EE*	*106*	*	†	*Ohita Ken, Japan*
Horney, Reid Bunn	*LAS*	*95*	*	†	*Colfax*
Horney, Warren Rees	*Agr*	*104*	*	†	*Colfax*
Hornkohl, Siegfried Irving William	*AE*	*114*	*	†	*St. Joseph, Missouri*
Hornsby, White Calhoun	*SS*	*5*			*Roanoke, Alabama*
Horowitz, Saul	*ME*	*22½*	*		*Russia*
Horrall, Kenneth Chauncey	*Com*		*	†	*Olney*
Horter, Robert Edwin	*CE*		*	†	*Chicago*
Horton, Erle Francis	*ME*		*	†	*Wilmington*
Horton, Ethel	*LAS*	*60*	*	†	*Pond Creek, Oklahoma*
Horwich, David	*AE*	*73*	*	†	*Chicago*
Hosack, Carl Irving	*SS*	*5*			*Little Rock, Arkansas*
Hoskins, Leonard Cunningham	*ME*	*82*	*		*Las Vegas, New Mexico*
Hoskins, Robert Keith	*Com*	*54*	*	†	*Terre Haute, Indiana*
Hoskinson, Bruce Quin, A.B., 1916	*Agr*		*		*West York*
Hoskinson, Ottis, A.M., 1916 A.B. (*Union Christian College*)	*SS*	*8¼*			*West York*

Hosman, Paul DeWitt	*AE*	*31*		†	*Norfolk, Nebraska*
Hostetler, Ada Irma	*HSAgr*		*		*Lovington*
Hostetler, Lloyd Earl	*EE*	*106*	*	†	*Chicago*
Hostetler, Oliver Clinton	*SS*	*25*			*Charleston*
Hostetler, William Benton	*Com*	*68*	*	†	*Decatur*
Hottes, Flora Emily	*LAS*	*66½*	*	†	*Urbana*
Hottinger, Ethel Marian	*LAS*	*34*	*	†	*Chicago*
Hotz, Wilfred Henry	*Com*	*26*	*		*Edwardsville*
Houg, Orville Adlai	*Com*	*106*	*	†	*Dows, Iowa*
Hough, George Jere	*Com*		*	†	*Maywood*
Hoult, Charles Howard	*Law*	*62*	*	†	*Chrisman*
Housel, Charles Edward	*EE*	*31*	*	†	*DeKalb*
Houston, Henry S	*Agr*		*	†	*Rushville*
Houston, Margaret	*HSAgr*	*112*	*		*Chicago*
Houston, Marion Earl	*LAS*	*26*	*		*Beardstown*
Hovey, Russell Wilson	*Com*		*	†	*Capron*
Howard, Carl Gooch	*Agr*	*101*	*	†	*Benton*
Howard, Charles Gerard	*LAS*	*70½*		†	*Oakwood*
Howard, Lester	*SS*	*8*			*Grimes, Iowa*
Howard, Mabelle Lorraine	*LAS*	*42*	*		*LeRoy*
Howe, Clifford	*Com*	*31*	*	†	*Montana*
Howe, Edna Mae	*SS*	*17*			*Rantoul*
Howe, Eva	*LAS*		*	†	*Mansfield*
Howe, Roger Faxon	*Agr*	*70*	*	†	*Chicago*
Howe, William Clayton	*Com*		*	†	*Mansfield*
Howell, Edward Tillson	*ChE*	*36*	*	†	*Dixon*
Howell, Oliver Willis	*Com*		*	†	*Arthur*
Howell, William Claiborne	*Agr*		*	†	*Starkville, Mississippi*
Howells, Esther	*SS*	*8*			*Staunton*
Howells, Mary Georgia	*HSAgr*	*64*	*	†	*Staunton*
Howells, Ruth Cound	*LAS*	*66*	*	†	*Staunton*
Howes, Edward Blasier	*ME*	*42*	*	†	*Chicago*
Howk, Thomas Clark	*LAS*	*30*	*	†	*Momence*
Howssen, Arthur Wessels	*CE*			†	*Urbana*
Hoy, Helen Reissinger	*LAS*		*		*Freeport*
Hoyt, Clara Louise	*SS*	*5*			*Griggsville*
Hrabik, William Kenneth	*Law*	*32*	*	†	*Murphysboro*
Hsieh, Zen	*EE*	*126½*	*	†	*Washington, D. C.*
Hsun, Ching Lee	*LAS (SS)*	*102*	*	†	*Nan-Chang, China*
Hsun, Jin Jee	*ChE (SS)*	*107*	*	†	*Nan-Chang, China*
Huaco, Daniel Octavio	*Com (SS)*	*20½*	*		*Chicago*
Huaco, Emigdio Nieves	*Agr sp*		*		*Arequipa, Peru, S. A.*
Hubbard, Aden Elden	*SS*	*108¾*	*	†	*Avon*
Hubbell, Edward Lawrence	*Arch*	*36*		†	*Davenport, Iowa*
Hubble, Brownlee Martin	*Agr*	*59*	*	†	*Jacksonville*
Huber, Andrew Joseph	*REE*	*113*	*	†	*Perryville, Missouri*
Huber, Marie	*LAS*		*		*LaSalle*
Hudler, Mary	*HSLAS*		*		*St. Louis, Missouri*
Hudson, Charles Frederick	*LAS*	*3*	*	†	*Henryetta, Oklahoma*
Hudson, Charles Henry	*Chem*	*63*	*	†	*Oak Park*
Hudson, Edith Elizabeth	*LAS*	*95*	*	†	*Chicago*
Hudson, Hersel Windell	*Agr*	*34*	*	†	*St. Joseph*
Hudson, James Hezekiah	*LAS*	*3*	*	†	*Henryetta, Oklahoma*
Hudson, James Rollan	*Agr*		*	†	*Springfield*
Hudson, Paul Zotz	*ChE*		*	†	*Danville*
Huff, Katherine	*LAS (SS)*	*½*	*	†	*Champaign*
Huffman, Eugene Stewart	*Chem*	*26*	*	†	*Rockford*
Hufford, Charles Thurman, B.S., 1916	*Agr*			†	*Carmi*
Hufford, Gayle Newbold	*SS*	*7½*			*Patriot, Indiana*
Hughes, Clarence Orville	*Med (SS) sp*	*8*	*	†	*Monticello*
Hughes, Martin Collins	*SS*	*143*			*Berwyn*
Hughes, Mae Weston	*SS*				*Poplar Bluff, Missouri*
Hughes, Walter Bertram	*SS*	*11*			*Carbondale*
Huisken, Harry Arnold	*CerE*	*71*	*	†	*Chicago*
Hulbert, Francis William	*SS*	*7½*			*Altamont*
Hulburd, Hazel Emily	*HSLAS*	*95*	*	†	*Cleveland, Ohio*
Hull, Elinor Davis	*Arch*		*	†	*Morris*
Hull, Lucile Jane	*SS*	*6*			*Mt. Vernon*
Hull, Trustum Harold	*Com*	*33*	*	†	*Clinton*
Hullfish, Henry Gordon	*Agr sp*		*	†	*Washington, D. C.*
Hultgren, Nathaniel Otto	*SS*	*1½*			*Andover*
Hultman, Ivar Nimes	*ChE*	*113*	*	†	*Chicago*
Hummeland, Ralph Wendel	*CerE*	*67*	*	†	*Melrose Park*
Humphrey, Martha Blair	*HSLAS*		*	†	*St. Louis, Missouri*
Humphrey, Mervyn G	*SS*	*6½*			*Lynn, Indiana*
Humphreys, Gertrude	*HSLAS*	*32*	*	†	*Organ Cave, West Virginia*
Humphreys, Robert Hatch	*Agr*	*86½*	*	†	*Atkinson*
Humrichouse, Katie Lydia Edna	*Com*	*28*	*	†	*St. Joseph*
Hungerford, Harold Norton	*Agr*	*65*	*	†	*Joliet*
Hunsley, Alice Lillian	*HSLAS*	*64*	*	†	*Champaign*
Hunt, Dorothy Harriet	*HSAgr*	*34*	*	†	*Cambridge*
Hunt, Elma	*SS*				
Hunt, Florence Jennie	*HSLAS (SS)*	*120*	*	†	*Redott*
Hunt, Leslie Leigh	*SS*				*Clinton*
Hunt, Marsden Healey	*CerE*	*32*	*	†	*Urbana*

Hunt, Milton Tilmore	*Com*	*35*	*	†	*Warsaw*
Hunter, Adella Aileen	*LAS*	*34*	*	†	*Champaign*
Hunter, Lloyd Hiram	*Com*	*33*	*	†	*Henry*
Hunter, Margaret	*HSLAS*	*64*	*	†	*Chillicothe*
Huntington, Lloyd Lucius	*AE*		*	†	*Pontiac*
Huntley, Edgar Allen	*ChE*		*	†	*Lead, South Dakota*
Hurley, Frank John	*Com*	*33*	*	†	*Chicago*
Hurley, Luther Thomas	*Com*	*4½*	*	†	*Liberty Mills, Indiana*
Hurt, Milton John	*Agr*		*		*Chicago*
Hurst, Cornelia	*HSLAS*			†	*St. Charles, Missouri*
Husson, Harry Lee	*EE*	*101*	*	†	*Auburn*
Husted, Merle Raymond	*Agr*	*68*	*	†	*Roodhouse*
Huston, Charles Jerome	*EE*		*	†	*Chicago*
Hutchins, Anna Elizabeth	*HSLAS*		*	†	*Roscoe*
Hutchins, Marjorie, B.Mus., 1915	*LAS*			†	*Urbana*
Hutchison, Josephine Ladner	*LAS*	*93*	*	†	*Mineral Point, Wisconsin*
Hutchison, Lawton Hargrove	*EE*	*71*	*		*Little Rock, Arkansas*
Hutton, Clifford	*Arch*	*32*	*	†	*Waterloo, Iowa*
Hyde, Harvey Woolsey	*ChE*	*36*	*	†	*Chicago*
Hyde, Russell Choate Miller	*LAS*	*37*	*	†	*Rantoul*
Hylen, Harry Andrew	*AE*	*36*	*	†	*Chicago*
Ide, Hiram Russell	*Agr*	*53*	*	†	*Washington, D. C.*
Ide, Robert Armington	*Com*	*32*	*	†	*Washington, D. C.*
Igo, Harold Peoples	*SS*	*6*			*New Wilmington, Pennsylvania*
Ikemire, Colonel Earl	*LAS*		*	†	*Louisville*
Imes, Ralph	*LAS*	*97*	*	†	*Macomb*
Imlay, Raymond Edward	*Agr sp*		*	†	*Zanesville, Ohio*
Ingram, Ralph Lindsay	*Agr*	*75*	*		*Chicago*
Ingwers, Alfred Henry	*Arch*	*72*	*	†	*Moline*
Ingwersen, Burton Ahrens	*ME*		*	†	*Fulton*
Ingwersen, Henry Newton	*Agr*	*101*	*	†	*Chicago*
Ingwersen, John Arthur	*LAS*		*	†	*Chicago*
Ireland, Matilda Isabel	*LAS*	*51*	*	†	*Washburn*
Irick, Carl Cuthbert	*MdP*	*62*	*	†	*Pittsfield*
Isaacson, Oliver Theodor	*ME*	*45*	*	†	*Sanborn, Minnesota*
Isobe, Seiche	*ME*		*	†	*Osaka, Japan*
Iwig, Dorothy Josephine	*HSLAS*	*60*	*	†	*Peoria*
Jackson, Anna Elizabeth	*LAS*	*45*	*		*Champaign*
Jackson, Arthur Mells	*SS*	*2*			
Jackson, Caleb Flavious	*CE*	*27*	*	†	*Anderson, Indiana*
Jackson, Ernest Theodore	*SS*	*45½*			*Odine*
Jackson, Hobart Harry	*ME*		*	†	*Kenney*
Jackson, Luella Elizabeth	*LAS*	*45*	*	†	*Ouray, Colorado*
Jackson, Manley Seymour	*AE*	*129*	*	†	*Pine River, Minnesota*
Jackson, Martha Elizabeth	*HSAgr*	*25*	*	†	*Urbana*
Jackson, Thomas Henry	*Agr*	*62*	*	†	*Champaign*
Jacobi, Herbert Jacob	*Arch sp*	*48*	*	†	*Milwaukee, Wisconsin*
Jacobsen, Eda Augusta	*HSLAS (SS)*	*135½*	*	†	*Urbana*
Jacobsen, Leonora	*SS*				*Sheffield*
Jacobson, Carl Clifford	*ME*		*	†	*Chicago*
Jacobson, Henry George	*Agr*	*68*	*	†	*Chicago*
Jacquin, Wentworth Cary	*Com*	*63*	*	†	*Peoria*
Jahr, Myra Bertha	*HSLAS*	*62*	*	†	*Neillsville, Wisconsin*
Jakubowski, Stanley Anton	*ME*	*36*	*	†	*Chicago*
James, Donald Dulaney	*LAS*		*		*Danville*
James, Harriet Lillian	*HSLAS*	*105*	*	†	*Amboy*
James, Helen Ida	*LAS (SS)*	*40*	*	†	*Whitewater, Wisconsin*
James, Lenton Willis, B.S., 1916	*SS*	*142*			*Canton*
James, Russell Broadway	*LAS*	*35*	*	†	*East St. Louis*
James, Walter Pony	*Agr*	*153½*	*	†	*Bloomington, Indiana*
James, Walter Robert	*Com*		*	†	*Oak Park*
Jamison, Harold Edward	*AE*		*	†	*Pontiac*
Jamison, Ross Phillps	*Agr*		*	†	*Pontiac*
Janata, Anton James	*LAS*	*23*	*	†	*DeKalb*
Janssen, Elmer Theodore	*Com*	*72*	*	†	*Sterling*
Jaques, Charles Alva	*Agr sp*		*		*Elmwood*
Jasper, Lucinda Emmeline	*HSLAS*	*26*	*	†	*Cornwall, England*
Jean, Wing	*Com (SS)*	*37*	*	†	*Canton*
Jenkins, Lydia Geneva	*LAS*	*65*	*		*Clark's Hill, Indiana*
Jenkins, Nelson Durfee	*EE*		*	†	*Oak Park*
Jenks, Philip Dorsey	*ChE*	*52*		†	*Indianapolis, Indiana*
Jenner, Lawrence Tenney	*Com*	*71*	*	†	*Evansville, Indiana*
Jennett, Harold Patrick	*EE*	*32*	*	†	*Streator*
Jennings, Alma Irene	*HSLAS (SS)*	*97*	*		*Champaign*
Jensen, Jorgen Edward	*EE*	*72*	*	†	*Chicago*
Jensen, Myrtle Ruth	*LAS*		*	†	*Chicago*
Jervis, Katherine Belle, A.B., A.M., 1907, 1911	*SS*				*Champaign*
Jessen, Clifford Tvilstedgaard	*Agr*	*31½*	*	†	*Alto Pass*
Jessen, Virgil Tvilstedgaard	*Agr*		*	†	*Alto Pass*
Jewett, Eleanor Rountin	*Agr*	*41*	*		*Chicago*
Jockisch, Zelma Anna Elizabeth	*HSLAS*	*97*	*	†	*Beardstown*
Johansen, Fred Emil	*AE*	*42*	*	†	*Chicago*
Johns, Donald C	*MinE*	*137*		†	*Danville*
Johns, Edward Brauer	*Com*	*5*	*	†	*Metropolis*

Johns, Evelyn Gordon	*HSLAS*	*89*	*	†	*Danville*
Johns, Marian Elizabeth	*LAS*	*61*	*	†	*Rockford*
Johnson, Archie	*CE*		*		*Mattoon*
Johnson, Armer Clark	*ME*	*5*	*	†	*Rockford*
Johnson, Carl Wilhelm	*Com*	*33*	*	†	*Batavia*
Johnson, Claude Francis	*ME*	*14½*	*	†	*South Haven, Michigan*
Johnson, Earl	*SS*	*6⅛*			*Peru, Nebraska*
Johnson, Edwin Reynolds	*Com*	*34*	*	†	*Springfield*
Johnson, Elfrith George	*Agr*	*98*	*	†	*Medna*
Johnson, Elmer Thomas	*CE*		*	†	*Rockford*
Johnson, Everett Louie	*Agr*	*49*	*		*St. Charles*
Johnson, Fay Warren	*MinE*		*	†	*Sidney*
Johnson, Floyd Henning	*Com*	*65*	*	†	*St. Charles*
Johnson, Harry Edward	*ME*		*	†	*Omaha, Nebraska*
Johnson, Helen Amanda	*LAS*	*63*	*	†	*Belvidere*
Johnson, John Robert	*LAS*	*29*	*	†	*Decatur*
Johnson, Joseph Benjamin	*Agr*	*54*	*	†	*Harrisburg*
Johnson, Julius Nicholai	*Com*	*103*	*	†	*Elgin*
Johnson, Leo Porter	*Agr*	*23*	*		*Stockton*
Johnson, Mary Fern, A.B., 1916	*Mus*		*	†	*Urbana*
Johnson, Nellie Mae	*SS*	*7½*			*Sterling*
Johnson, Otis Floyd	*Arch*	*37*	*	†	*West Point, Indiana*
Johnson, Radford Murray	*Agr (SS)*	*93*	*	†	*Crossville*
Johnson, Ralph Benjamin	*ME*	*41*	*	†	*Joliet*
Johnson, Ralph N	*Agr*	*36*	*	†	*Knoxville*
Johnson, Richard Henderson	*Com*	*29*	*	†	*Danville*
Johnson, Robert Eugene	*EE*	*120*	*	†	*Lawrenceburg, Kentucky*
Johnson, Ruby Emma	*LAS (SS)*	*97½*	*	†	*Rockford*
Johnson, Sharon Perry	*SS*	*8½*			*Cornell*
Johnson, Theodore William	*AE*			†	*Chicago*
Johnson, Thorsten Ludwig	*ChE*		*	†	*Keokuk, Iowa*
Johnson, Warren MacIntyre	*Agr*			†	*St. Louis, Missouri*
Johnston, Douglas Gentry	*Agr*	*32½*	*	†	*Alton*
Johnston, Harold Boomer	*LAS*	*28½*	*	†	*Champaign*
Johnston, Hazen Henry	*Com*		*		*Ft. Wayne, Indiana*
Johnston, James Martin	*LAS*	*95*	*	†	*Chapel Hill, North Carolina*
Johnston, Lillian Ruth	*HSLAS*	*66*	*	†	*Champaign*
Johnston, Paul Evans	*Agr*	*100*	*	†	*Milton*
Johnston, Pauline	*LAS sp*	*29*	*	†	*Alton*
Johnston, Wayne Andrew	*Com*	*18*	*		*Champaign*
Jones, Alwin August	*Com*	*28*		†	*Dewey*
Jones, Bernicelyn Fishback	*LAS*		*	†	*Urbana*
Jones, Bertha Marie, A.B., 1911	*SS*	*138*			*Champaign*
Jones, Dudley Emerson	*Arch*	*104*	*	†	*Little Rock, Arkansas*
Jones, Earl Jesse	*Com*	*59*	*	†	*Gilbert, Iowa*
Jones, Elizabeth Sophia	*HSAgr sp*	*34*	*	†	*Raymond*
Jones, Florence Dorothea	*HSLAS*	*31*	*	†	*Raymond*
Jones, Frances Beulah	*HSAgr (SS)*	*103*	*	†	*Champaign*
Jones, Frank William	*Agr*	*104*	*	†	*Bloomington*
Jones, George Wilson	*MdP*	*61*	*	†	*Evanston*
Jones, John Paul	*Com*		*		*Kokomo, Indiana*
Jones, Leland Burns	*LAS*		*	†	*Douglas, Arizona*
Jones, Mack Marquis	*EE*	*78*	*	†	*Tonkawa, Oklahoma*
Jones, Marian Lucile	*HSAgr*	*88*	*	†	*Fort Smith, Arkansas*
Jones, Margorie Ann	*HSLAS*		*	†	*Kirkwood, Missouri*
Jones, Marvel Armorel	*LAS*	*39*	*	†	*Urbana*
Jones, Paul Clifford	*EE*	*111*	*	†	*Henry*
Jones, Ralph Coaghenoun	*Agr*		*	†	*Fairfield*
Jones, Sarah Lulu	*HSAgr (SS)*	*5*	*	†	*Urbana*
Jones, Trevor Leslie	*Agr*	*33*	*	†	*Chenoa*
Jones, Vera Gretchen	*LAS*		*	†	*Urbana*
Jones, Vivian Myfanny	*LAS*		*	†	*Aurora*
Jones, Walter Earl	*Com*		*	†	*Ridgefarm*
Jones, Walter Ortis	*Com (SS)*	*111½*	*	†	*Champaign*
Jones, Warren Paul	*Agr*	*76*	*	†	*Chicago*
Jones, William Joseph	*Com*	*30*	*	†	*Elgin*
Jones, William Robert	*SS*	*69*			*Kirkland*
Jooston, Ehme John	*Agr*	*64*	*	†	*Flanagan*
Jordan, Clarence Levi	*Com*		*	†	*Mt. Carmel*
Jordan, Roy Vail	*SS*	*23⅛*			*Rinard*
Jorgensen, Rufus Inglebert	*AE*		*	†	*Green Bay, Wisconsin*
Joseph, Stanley Earl	*SS*				*Grand Rapids, Michigan*
Joslyn, Gladys Irene	*HSLAS*	*24*	*	†	*Marengo*
Judd, Elizabeth Gladys	*LAS*	*61*	*	†	*Urbana*
Judd, Garnet Wilson	*LAS*		*		*Urbana*
Judson, Frank Monteath	*Com*	*104⅓*	*	†	*Chicago*
Julian, Scott Millholland	*Agr*	*69*	*	†	*Little Rock, Arkansas*
Juline, Carl	*Arch*		*	†	*Des Moines, Iowa*
Junken, Esther Sarah	*HSAgr sp*		*		*Rushville, Indiana*
Kaaz, Arthur Otto George	*Arch*		*	†	*Atchison, Kansas*
Kadyk, David James	*LAS*	*34*	*	†	*Fulton*
Kaehler, Oscar Henry	*EE*		*	†	*Chicago*
Kahl, Charles Nathanial	*ME*		*	†	*Jacksonville*
Kahler, Laura	*LAS*		*	†	*Belvidere*
Kalivoda, Joseph John	*ME*	*72*	*	†	*Chicago*

Kalthoff, Frederick Caspar	*AE (SS)*	*69*	*	†	*Chicago*
Kamm, Harry Lee	*SS*	*7½*			*Guard*
Kamp, Henry Wilbur	*LAS*	*101*	*	†	*Watseka*
Kane, William Harold	*CerE (SS)*	*71*	*	†	*Wellsville, New York*
Kaplan, Samuel	*MinE sp*		*		*St. Louis, Missouri*
Kapps, Susan Elisa	*HSLAS*		*	†	*Oak Park*
Karch, John	*SS*				*Mt. Vernon*
Karkow, Conrad Hansen	*Law*	*61*	*	†	*Chicago*
Karn, Albert Harry	*SS*	*1*			*Grahamsville, Ohio*
Kasserman, George William	*LAS*	*18*		†	*Newton*
Kasserman, Homer Frank	*LAS*	*58*		†	*Newton*
Kaufman, David Louis	*Com*	*28*	*	†	*Bellefontaine, Ohio*
Kaufmann, Adolph Henry	*ChE*	*105*	*	†	*Chicago*
Kawin, Louis	*LAS*	*34*	*	†	*White Hall*
Kayser, Alfred Charles	*CE*	*27*	*	†	*DesPlaines*
Kayser, Clarence Samuel	*AE (SS)*	*69*	*	†	*Decatur*
Keagy, Abraham Reuel	*ME*	*99*	*	†	*Hot Springs, Arkansas*
Keatts, Rolla Merl	*ME*	*35*	*	†	*Tuscola*
Kech, Alphonse Leibundguth	*CE*	*24*	*		*Chicago*
Keck, Charles Everett	*Law*	*55½*	*	†	*Champaign*
Keck, George Fred	*AE*	*41*	*	†	*Watertown, Wisconsin*
Keck, Marjorie Aileen	*Mus (SS)*	*4*	*	†	*Champaign*
Keefer, Caroline	*LAS*	*22*	*	†	*Amboy*
Keehner, Clarence Barnhard	*Com*		*	†	*Jerseyville*
Keen, George Frederick	*Com*		*	†	*Kendallville, Indiana*
Keepers, Floyd Willard	*Agr*	*32*	*	†	*Mazon*
Keepers, Lloyd William	*Agr*	*32*	*	†	*Mazon*
Kegley, Robert Britton	*Com*		*	†	*Urbana*
Keiffer, Lawrence Raymond	*EE*	*71*	*		*Robinson*
Keith, Emma Genevieve	*LAS*	*65*	*	†	*Hinckley*
Keith, Margaret	*LAS*	*26*	*	†	*Lockport*
Kell, Sherman Little	*SS*	*130*			*Kell*
Kelley, Edith Maurine	*LAS*	*33*	*	†	*Camp Point*
Kelley, Francis Hugh, B.S., 1916	*SS*	*138*			*Urbana*
Kelley, Iva	*LAS*	*62*	*	†	*Urbana*
Kellogg, Wilbur Fisher	*ME*		*	†	*Marshall*
Kells, Lyman Morse	*Mus sp*		*	†	*Sank Center, Minnesota*
Kelly, Henry Eli	*CE*	*73*	*	†	*Charleston*
Kelly, John Thomas	*ME*	*73*	*	†	*Oak Park*
Kelly, Paul Brown	*Com*		*	†	*Mattoon*
Kelly, Philip John	*Com*	*34*	*		*Chicago*
Kemler, Robert Lynch	*EE*		*	†	*Elgin*
Kemp, Arnold Raman	*Agr (SS)*	*105⅝*	*	†	*Waynetown, Indiana*
Kemp, Charles Delbert	*Agr*	*28*	*	†	*Waynetown, Indiana*
Kendall, Forrest Everett	*Agr*		*	†	*Victoria*
Kendall, Mary Lilly	*SS*	*64*			*Farmer City*
Kennedy, Emily Jane	*LAS*		*	†	*Morrison*
Kennedy, James Walsh	*Com*	*30*	*		*Urbana*
Kennedy, Kaywin	*Law*	*101*	*	†	*Minonk*
Kennedy, Marguerite	*LAS*	*34*	*	†	*Morrison*
Kennedy, Thomas	*Com*		*	†	*Aurora*
Kennelley, Griffith Sidney	*CerE*	*43*	*	†	*Joliet*
Kenney, Mrs. Pearl Craven	*SS*	*5½*			*Cobden*
Kenney, Wendell Lyon	*ME*		*	†	*Champaign*
Kenny, Edith Luella	*LAS*		*	†	*Mulberry, Indiana*
Kenny, Marion Katheryne	*HSAgr*	*33*	*	†	*Champaign*
Kent, Clifford P	*Com*		*	†	*Olney*
Kent, Everett Frank	*Agr*	*113*	*		*Gridley*
Kent, Horace Ellsworth	*SS*	*54*			*Urbana*
Kent, Paul Fraser	*Arch*	*62½*	*	†	*Gridley*
Kenworthy, Anna Jane	*LAS*		*	†	*Neoga*
Kerber, Ruth Leah	*LAS*		*		*Elgin*
Kern, Florence Ellen	*HSAgr*	*98*	*	†	*Champaign*
Kern, Vernon Harlow, B.S., 1916	*Agr*		*		*Gays*
Kerner, Julius Caesar	*ME*	*111*	*	†	*Cicero*
Kerns, Edward Lincoln	*Com*	*5*	*	†	*Moline*
Kerr, Edwin Virgil	*Agr*	*37*	*	†	*Metropolis*
Kerr, Emmett Earl	*AE*		*	†	*Fort Worth, Texas*
Kerr, Ralph	*Agr*	*17*	*	†	*Urbana*
Kerrick, Donald Meridith	*Agr*		*	†	*Chrisman*
Kershaw, Glenwood Haigh	*ME*		*	†	*Kankakee*
Kershner, Karl Kenneth	*SS*				*Raymond*
Kessinger, Samuel Wesley, Jr.	*LAS*		*	†	*Litchfield*
Kessler, Paul	*AE*		*		*Bloomfield, Indiana*
Ketch, James Moss	*EE*	*73*	*	†	*Decatur*
Ketelhut, William Hermann	*EE*	*32*	*	†	*South Haven, Michigan*
Keusink, Helen Bertha	*HSLAS (SS)*	*98*	*	†	*Champaign*
Keyes, Hubert Ashingdon	*MdP*	*25*	*	†	*Chicago*
Keyes, Otis Walton	*SS*	*11*			*Rantoul*
Kidd, George Wilson	*CE*	*135*	*		*Chicago*
Kidd, Harold Frank	*SS*	*3*			*Chicago*
Kidd, Lilace Mazoe	*LAS*	*97¾*	*	†	*Astoria*
Kidston, Roy Palmer	*Agr*	*32*	*		*Chicago*
Kiester, Alta Mae	*LAS*	*60*	*		*Garden Prairie*
Kilbride, Edward Robert	*Agr (SS)*	*32*	*	†	*Springfield*

Kile, Billye	*Com*	*21*	*	†	*Rockford*
Kile, Laura LaRhue	*SS*	*28½*			*Rockford*
Killefer, Raymond Colonius	*LAS*		*	†	*Mattoon*
Kilpatrick, Ralph Sidney	*Com*	*36*	*	†	*Elmwood*
Kimball, Frank Sherman	*Chem*	*49*	*	†	*Rockford*
Kimman, John William	*Agr*	*30*	*	†	*Chicago*
Kimmel, Clarence Eugene	*Law*	*123*	*		*Duquoin*
Kimmelshue, William Maurice	*Agr*		*	†	*Manteno*
Kincaid, Ruth Moore	*HSLAS*	*98*	*	†	*Farmer City*
Kiner, Howard Dickens	*Law*	*87*		†	*Geneseo*
Kiner, Verne Bardwell	*Com*		*	†	*Marseilles*
King, Burton Eldred	*Agr*	*44*	*		*Plymouth*
King, Edward Herschel	*Com (SS)*	*98½*	*	†	*Athens*
King, Esther	*LAS*	*32*	*	†	*Lake Forest*
King, James Carroll	*AE*	*22*	*	†	*Rockford*
King, James Xenophon	*Agr*	*57½*	*	†	*Richmond, Indiana*
King, Leo Francis	*Com*		*	†	*Indianapolis, Indiana*
King, Merrill Burnett	*Com (SS)*	*8*	*	†	*Bridgeport*
King, Vincent Paul	*Agr*	*70*	*	†	*Indianapolis, Indiana*
King, William	*LAS (SS)*	*7½*	*	†	*Dudley*
Kingery, John David	*Com*		*	†	*Chadwick*
Kingsley, Donald Henry	*Agr*	*34*	*	†	*Alden*
Kingsley, Lester Harris	*Agr*		*	†	*Chicago*
Kingsley, Wendell Lathrop	*Agr*	*93*	*	†	*Chicago*
Kinnane, Charles Hermon Thomas	*LAS*		*	†	*Centralia*
Kinnear, Meyer Aurelius	*Agr*		*	†	*Rushville*
Kinsey, Alfred Richardson	*Agr*	*97*	*	†	*Centralia*
Kinsey, Jack	*Agr*	*97½*	*	†	*Mackinaw*
Kipp, John George Estill	*LAS (SS)*	*111½*	*	†	*St. Louis, Missouri*
Kirby, Harry Anton	*EE*	*69*	*		*Indianapolis, Indiana*
Kirchhofer, Emma Esther	*Com*	*26*	*	†	*Kansas City, Missouri*
Kirk, Bertha May	*LAS*	*101*	*	†	*Decatur*
Kirk, Ewing Leavitte	*Com*		*	†	*Mansfield*
Kirkland, Elmore Archibald	*Com*		*	†	*Decorah, Iowa*
Kirkland, Robert Dudley	*Com*		*	†	*Urbana*
Kirkland, Therese Elizabeth	*HSLAS*		*	†	*Cambridge*
Kirkpatrick, Florence Mabel	*HSAgr*		*	†	*Urbana*
Kirkpatrick, Frank Allen, B.S., M.S., 1914, 1916	*SS*				*Unionville, Michigan*
Kirkpatrick, Harry Louis	*Com (SS)*	*27½*	*	†	*Des Moines, Iowa*
Kirkpatrick, Helen Marie	*HSLAS*	*101*	*	†	*Urbana*
Kirkpatrick, Mildred Irene Wyrick	*Mus*	*13*	*	†	*Pana*
Kirkpatrick, Thomas Everett	*Agr*	*63*	*		*Clayton*
Kirner, Walter Raymond	*ChE*	*73½*	*	†	*Chicago*
Kirtland, Dwight Bannister	*Agr*		*		*Oblong*
Kirwan, Nora Godsell	*Mus*		*	†	*Champaign*
Kiser, Helen Mynette	*HSLAS*	*99*	*	†	*Champaign*
Kissinger, Donald Kenneth	*Com*		*	†	*Bradford*
Kittelsen, John Stewart	*Agr*		*	†	*Rock Island*
Kixmiller, Karl William	*LAS*	*34½*	*	†	*Freelandville, Indiana*
Klank, Frances Grace, A.B., 1916	*Lib*		*	†	*Champaign*
Klapprodt, Adolf Hantz	*MinE*		*	†	*Amboy*
Klapprodt, Charles Russel	*Agr* sp		*		*Dixon*
Kleckner, George Malburn	*Com*		*	†	*Freeport*
Klein, George Minnie	*SS*				*Urbana*
Klein, Gordon	*AE*	*71*	*	†	*Urbana*
Klein, John Leo	*Com*	*71*	*	†	*Omaha, Nebraska*
Klein, Monica A	*LAS*		*	†	*Urbana*
Klein, Nancie	*LAS (SS)*	*95½*	*	†	*Urbana*
Kleinbeck, Augustus Gustave	*LAS*	*54*		†	*Litchfield*
Klemmedson, Arthur Erick	*Agr*	*68¾*	*	†	*Colorado Springs, Colorado*
Klemmedson, Gunnar Siegsmund	*Agr*	*68½*	*	†	*Colorado Springs, Colorado*
Klenk, Frederick	*CE*	*36*	*	†	*Philadelphia, Pennsylvania*
Klindwirth, Mildred Louise	*LAS (SS)*	*114*	*	†	*Philo*
Kline, Alice Harper	*LAS*	*28*	*	†	*Huntington*
Kline, Arthur LaVerne	*Agr*	*66*	*	†	*Chicago*
Kling, Carl Lawrence	*CerE*	*66*	*	†	*Dixon*
Klink, William Lee	*Com*	*73*	*	†	*Cerro Gordo*
Kloppenburg, George Joseph	*LAS*	*51*		†	*Springfield*
Klorfine, Meyer	*LAS*		*		*Chicago*
Klotz, Vera	*LAS*	*65½*		†	*Hood River, Oregon*
Klotzsche, Baynard Taylor	*Com*	*46½*	*		*Irvington*
Klotzsche, Bessie May	*LAS (SS)*	*71*	*	†	*Irvington*
Klotzsche, Eunice Esther	*SS*	*7*			*Irvington*
Knapheide, Mildred Carey	*LAS*		*	†	*Quincy*
Knapp, John Robinson	*Com sp*		*	†	*LaGrange*
Knappenberger, John Meredith	*Com*	*97½*	*	†	*Kansas City, Missouri*
Kneeshaw, Mary Jane	*HSAgr*	*61*	*	†	*Niles, Michigan*
Knetsch, James Dewey	*Agr*		*	†	*Paw Paw*
Knight, Ewart Broughton	*Agr*	*70*	*	†	*Chicago*
Knight, Galen Victor	*Com*	*35*	*	†	*Urbana*
Knight, Hubert Willard	*EE*		*	†	*Somonauk*
Knoche, John Christian	*Agr*	*105*	*	†	*Onarga*
Knop, Robert Oscar	*ChE (SS)*	*30*	*	†	*Chicago*

Knowles, Jennie McKelvy	*SS*				
Knowles, Robert Reily	*SS*	*3*			*Denver, Colorado*
Knowlton, Henry Irving	*ME*		*	†	*Sheffield*
Knox, Harry Gaylord	*LAS (SS)*	*107*	*	†	*LaFayette, Indiana*
Knudsen, Mrs. Charles William	*SS*	*6½*			*Eureka*
Knudsen, Niels Alfred	*AE*	*111*	*	†	*Halfa, Iowa*
Knudson, Harold Epler	*Agr*	*15*	*		*Farmingdale*
Kobayashi, Toshiynki	*Com*			†	*Tokyo, Japan*
Kober, Edgar Irving	*Arch*	*71*	*	†	*Waterloo, Iowa*
Koch, Eloise	*LAS*	*104*	*	†	*St. Louis, Missouri*
Koch, George Washington	*Com*		*	†	*Davenport, Iowa*
Koehler, Glenn	*EE*	*78*	*	†	*Van Wert, Ohio*
Koepke, Frank Henry Paul	*EE*	*25*	*	†	*Chicago*
Koepke, Herman Frank	*CE (SS)*	*76*	*	†	*Chicago*
Kohl, Justin Ferdinand	*Com*	*88*	*	†	*Centralia*
Kohl, Rowena Agnes	*LAS*	*60*	*	†	*Centralia*
Kohler, Raymond Lloyd	*LAS*	*25*	*	†	*Chatsworth*
Kohn, John Louis	*Com*	*98*	*	†	*Elgin*
Kohner, Edwin M	*Com*		*	†	*Chicago*
Kolar, George Franklin	*MSE*	*71*	*	†	*Chicago*
Kolb, Merle Arthur	*ME*	*70*	*	†	*Oak Park*
Kolmer, Albert Conrad	*Agr*	*30*	*	†	*Waterloo*
Kolmer, Otto Peter	*Agr (SS)*	*96½*	*	†	*Waterloo*
Kompass, Frederick Bunker	*Com*	*30*	*		*Niles, Michigan*
Komrosky, Morris Louis	*Arch*		*	†	*Gary, Indiana*
Koo, Shun	*RCE (SS)*	*50*	*	†	*Kwang-Fung, China*
Koos, Harold George	*Com*		*	†	*Grand Mound, Iowa*
Kopf, Frank Alexander, A.B., 1916	*SS*	*130*			*Peoria*
Kopleman, Leo Theodore	*Com*	*67*	*	†	*Maquoketa, Iowa*
Kopp, William Kenneth	*Com*			†	*Chicago*
Koptik, Bohumil James	*Agr (SS)*	*102½*	*	†	*Cicero*
Koptik, Ernest Andrew	*LAS*		*	†	*Cicero*
Koupal, Walter George	*ChE*	*34*	*	†	*Crown Point, Indiana*
Kraeckmann, Walter Ernest Louis	*Agr*	*32*	*	†	*Chicago*
Kraft, Adolph	*LAS*	*30*	*	†	*Gilman*
Kraft, August	*EE (SS)*	*22*	*	†	*Gilman*
Kraft, Reynold Rudolph	*MinE (SS)*	*81*	*	†	*Oak Park*
Kral, Albert Alva, Jr.	*EE*	*17*	*	†	*Chicago*
Kramer, Charles Henry	*AE*		*	†	*Alton*
Kramer, Erwin Albert	*AE*			†	*Chicago*
Krametbauer, Irma Theresa	*LAS*	*33*	*	†	*Chicago*
Krannert, Victor Louis	*Com*	*36½*	*	†	*Chicago*
Krase, Herbert John	*ChE*	*108*	*	†	*Chicago*
Krase, Norman William	*ChE*	*72*	*	†	*Chicago*
Kratzenberg, Edwin John	*EE*	*62*	*	†	*Chicago*
Krauel, Philip Leone	*ME*	*82*	*	†	*Champaign*
Kraus, Harry	*LAS*	*35*	*	†	*Chicago*
Krauss, Thomas Fredrick	*SS*	*7½*			*Jonesboro*
Kreider, Paul Gates	*LAS*	*67*		†	*Springfield*
Kreidler, Chester Jamison	*Com*	*72*	*	†	*Oak Park*
Kreiling, Robert Graham	*ChE*	*103*	*	†	*Chicago*
Krelstein, Bernard	*Com*			†	*Chicago*
Krieg, Amelia Adeline	*LAS (SS)*	*98*	*	†	*Chicago*
Kriegl, Otto	*EE (SS)*	*66½*	*	†	*Innobrunck, Austria*
Kriewitz, John Gustav	*Agr*	*101*	*	†	*Chicago*
Kroeschell, Roy Sittig	*ME (SS)*	*83*	*	†	*Winnetka*
Kroner, Frederick Louis	*LAS*	*32*	*		*Mahomet*
Krueger, Gerald August	*Agr*		*	†	*Chicago*
Krueger, Kurt Carl	*Chem*	*54*	*	†	*LaSalle*
Krug, Louis Gustave	*ChE*	*127*	*		*Chicago*
Kruger, Theodore	*ME sp*		*	†	*Peoria*
Krumm, Gretchen Emma	*LAS*	*38*	*	†	*Chicago*
Krupar, Charles	*Arch*	*67*	*	†	*Morton Park*
Kuch, Mildred Carolyn	*LAS*		*	†	*Farmer City*
Kucheman, Norman Albert	*ME*		*	†	*Moline*
Kuechlor, Ernest Charles	*Agr*	*28*	*		*Alvin*
Kuehl, Elsie Elvira	*LAS*		*	†	*Edwardsville*
Kuehn, George Walter	*ME*	*106*	*	†	*Chicago*
Kugler, Martha	*LAS*		*	†	*Plano*
Kugler, Martin Billmire	*Agr*	*115*	*	†	*Plano*
Kuhl, Franklin	*Com*		*	†	*Springfield*
Kuhn, George Lewis	*Com*		*		*Muscatine, Iowa*
Kull, Karl Robert	*Agr*	*29½*	*	†	*Shelbyville*
Kurt, Mary Annetta	*HSLAS (SS)*	*31*	*	†	*Champaign*
Kurtzrock, Edward Valentine	*Law*	*60*	*	†	*Dixon*
Kyger, Roy Jay	*LAS (SS)*	*18*	*		*Danville*
Kyler, Bessie Belle	*LAS*		*	†	*Winslow*
Laatz, Ernest Charles	*Agr*		*	†	*Marseilles*
Lacey, John James	*Agr*	*100*	*	†	*Elwood*
Lacey, Marguerite Helen	*LAS*		*	†	*Elwood*
Lackey, James Potter	*MdP*		*		*Hopkinsville, Kentucky*
Ladd, Winslaw Curtis	*ME*		*	†	*Taylorville*
Ladeheff, Arthur Detlef	*AE*	*74*	*	†	*Clinton, Iowa*
Lafferty, George Gustavus	*SS*	*45½*			*Galesburg*
Lafferty, Mrs. Lee Anna Hague	*SS*				*Galesburg*

Lafferty, William Delmar	*Agr*		*	†	*Clinton*
LaFollette, Robert Roy	*Agr sp*		*	†	*Thorntown, Indiana*
Lager, Eric Willard	*ME*		*	†	*Chicago*
Lagergren, Gustaf Petrus	*Arch*	*178*	*		*St. Paul, Minnesota*
Laible, Russell James	*Agr*	*33*	*	†	*Freeport*
Laing, Walter A	*Agr*	*96*	*	†	*River Forest*
Lalor, Foster Mitchell	*LAS*	*23*	*	†	*Franklin Park*
Lamb, Hallie Eunice	*LAS*	*101½*	*	†	*Champaign*
Lamb, Howard Earl	*LAS (SS)*	*99*	*	†	*Hillsdale, Michigan*
Lamb, John, Jr.	*Agr*	*67½*	*	†	*Worden*
Lamb, Robert Madison	*SS*	*7½*			*Sturgis, Kentucky*
Lambert, Dana Carlin	*Agr*	*33*	*	†	*Coatsburg*
Lambert, Robert Wayne	*Agr*		*	†	*Rushville*
Lambroff, Gregory Vassiliff	*EE*	*80*	*	†	*Madison*
Lamkins, Lloyd E., B.S., 1916	*SS*	*144½*			*Urbana*
Lampert, Florian, Jr.	*AE*	*73*	*	†	*Oshkosh, Wisconsin*
Lamport, Leonard Rollings	*EE*				*Chicago*
Lanan, Guy	*Agr*	*117*	*		*Kingston*
Lancaster, Allen H	*Agr (SS)*	*87½*	*	†	*Ridgefarm*
Lancaster, Frederick Paul	*Com*		*	†	*Maywood*
Lander, Ruth Esther	*LAS*		*	†	*Alfred, Maine*
Landon, George	*LAS*	*64*	*	†	*Chicago*
Landstrom, Adolph Walter	*ChE*	*107½*	*	†	*Chicago*
Landstrom, Roy William	*Agr*	*33*	*	†	*Chicago*
Lang, Alvin Leonard	*Agr (SS)*	*37*	*	†	*Urbana*
Langdon, Paul Eugene	*CE*		*	†	*Chicago*
Langellier, Floyd Edwin	*AE*		*	†	*St. Anne*
Langenstein, Charles Bee	*Agr*		*	†	*Dakota*
Langwith, Warren LeRoy	*ChE*	*20*	*		*Davenport, Iowa*
Lansden, Effie Allan	*SS*				*Cairo*
Lanum, Ralph Lewis	*Com*		*	†	*Decatur*
Larimer, Floyd Conway	*Com*		*	†	*Oskaloosa, Iowa*
Larkin, Thomas Cecil	*EE*		*		*Onarga*
Larkin, Willard Ford	*Com*	*11*	*		*Rock Island*
Larson, Carl Clarence	*Chem*	*68*	*	†	*Mazon*
Larson, Edward	*ChE*		*	†	*Galva*
Larson, Elsie Frances	*SS*	*6½*			*Chicago*
Larson, Walter Nels	*MSE*	*28*	*		*Paxton*
Lascelles, Robert John	*Com*	*96*	*	†	*Capron*
Lash, Clarence Roy	*Agr*		*	†	*Big Rock*
LaTeer, Angie	*HSLAS*	*42*	*	†	*Paxton*
Lathrop, John Sherman	*Agr*	*33*	*	†	*Chicago*
Lathrop, William Grant	*LAS*	*97½*	*	†	*Sumner*
Lattner, Ulysses Simpson	*ME*	*36*	*	†	*Rock Island*
Lauder, Frederick Houlton	*LAS*	*46*	*		*Monmouth*
Lauphit, Tse	*Agr*	*70½*	*	†	*Shanghai, China*
Laurenson, Ed J.	*SS*				*Downey, Idaho*
Lauritzen, Marion Marie	*LAS*	*65*	*	†	*Chicago Heights*
Lauterbach, Walter Wesley	*LAS*		*	†	*Bushnell*
Laval, Marcelle Vere	*LAS*	*21*	*	†	*Wilmette*
Lavelle, Charles Nathan	*Com*		*	†	*Freeport*
Lavery, Ruth Aileen	*Mus sp*	*6*	*	†	*Decatur*
Lawler, Bernice Catherine	*HSLAS*		*	†	*Rushville*
Lawrence, Charles Henry	*Agr*	*69*	*	†	*Woodstock*
Lawrence, Leland Lamont	*LAS*	*30*	*	†	*Champaign*
Lawrence, Ralph E	*Arch*	*115*	*	†	*Ripon, Wisconsin*
Lawrence, Roland Hall	*ME*	*107*	*	†	*Chicago*
Lawrence, Sherman Gaines	*Com*		*	†	*Chicago*
Lawson, John Harold	*Com*		*	†	*Kewanee*
Lawson, Roy Emerson	*SS*	*6½*			*LeRoy*
Lawton, Chauncey Wenzlaff	*LAS*	*28½*	*	†	*Yankton, South Dakota*
Lay, Dwight Matthews	*Agr sp*		*	†	*Kewanee*
Layfield, Ivan McLean	*LAS*		*	†	*Urbana*
Leach, Paul Jackson, B.S., 1916	*SS*	*143½*			*Macomb*
Leach, Robert Lincoln	*Agr*	*30*	*	†	*Rockford*
Leake, Ethel Louise	*SS*				*Dixon*
Leander, Elmer Isidor	*CE*	*106*	*	†	*Chester, Indiana*
Leary, William Andrew	*Com*		*	†	*El Paso*
Lease, Alice Clare	*SS*	*14½*			*Quincy*
Leathers, Doyle Revere	*SS*				*Renovo, Pennsylvania*
Lee, Alfred Chang	*CE*	*122*	*	†	*China*
Lee, Arthur	*Arch*	*72*	*	†	*Hudson, Wisconsin*
Lee, Carrie Alice	*Mus*	*85*	*	†	*Champaign*
Lee, Fannie	*HSLAS*	*32*	*	†	*Reynolds*
Lee, John Norman	*Law*		*	†	*Carbondale*
Lee, Ping Fun	*ME*	*95*	*	†	*Hong Kong, China*
Lee, Tao Nan	*Com (SS)*	*77*	*	†	*Nanking, China*
Lee, Tsz Sien	*RCE*	*28*		†	*Ho-yun, China*
Lee, Wilkie Albert	*Agr*	*3*	*	†	*Earlville*
Leedle, Jessie Mariam	*LAS*	*33*	*	†	*West Chicago*
Leeds, Marcia Marney	*LAS*		*	†	*Mt. Carmel*
Leeds, Winston Bryan	*LAS*		*	†	*Mt. Carmel*
Leeming, Tom	*LAS*	*51*	*	†	*Chicago*
Leete, Marion Elanie	*LAS*	*34*	*	†	*Chicago*
Lee Toma, EnFon	*SS*	*28*			*Honolulu, Hawaii*

Lee Toma, Esther EnMoi	*LAS (SS)*	*53*	* †	*Honolulu, Hawaii*
Leggett, Charles Martin	*Com*		* †	*Chicago Heights*
Leggitt, Frank	*Agr (SS)*	*122*	*	*Urbana*
Leggitt, Fred William	*Agr (SS)*	*94*	* †	*Urbana*
Legner, Roger Hopkins	*Com*	*13½*	*	*Chicago*
Lehman, Lewis Harry	*CE*	*111*	* †	*Mattoon*
Lehman, Ruth Townsend	*HSLAS*	*69*	* †	*Millington*
Leichsenring, Jane Marie	*HSLAS*	*33*	* †	*Winnetka*
Leinard, Kenneth Earl	*CE*		* †	*Bryan, Ohio*
Leist, Claude	*LAS (SS)*	*62*	* †	*Paris*
Leitzbach, Elizabeth	*LAS (SS)*	*41*	* †	*Fairmount*
Lemen, Eldridge	*Agr*		* †	*Alton*
Lemond, Isabel Josephine	*LAS*		* †	*Huntingburg, Indiana*
Lemp, John Frederick	*ChE*	*114*	* †	*Alton*
Lendman, Alfred Nohe	*EE*	*108*	* †	*Sterling*
Lentz, Leo Francis	*Agr*		* †	*Anna*
Lenz, Andrew Henry	*SS*	*140*		*Quincy*
Lenzen, Aloysius Francis	*MdP*	*102*	* †	*Peru*
Leppla, George Charles	*LAS*		* †	*Chicago*
Lerch, Edward	*AE*	*106½*	* †	*Rock Island*
LeSaulnier, Marie	*LAS*		* †	*Red Bud*
Leslie, Madge Campbell	*LAS*	*99*	* †	*Pittsfield*
Lett, Hamlet Harrison	*Agr*	*66*	* †	*Washington, Indiana*
Levinson, Anna Ella	*SS*	*7*		*Paxton*
Levinson, Martin Charles	*AE*	*103*	* †	*Chicago*
Levy, Beatrice Esther	*LAS*	*33*	* †	*Streator*
Lewis, Alden George	*Chem*		* †	*Green Bay, Wisconsin*
Lewis, Ardenia Moree	*HSAgr sp*		* †	*Camp Point*
Lewis, Arthur Warfield	*Agr*	*66*	* †	*Harrisburg*
Lewis, Henry Fleteher	*Law sp*		* †	*Murphysboro*
Lewis, Henry Foster, Jr.	*LAS*		* †	*Chicago*
Lewis, John Taylor	*AE*	*110*	* †	*Rockford*
Lewis, John Timothy	*Agr*		*	*Chatham*
Lewis, Kenneth S	*MdP*		* †	*Wheaton*
Lewis, Mabel	*SS*	*6½*		*Stone Fort*
Lewis, Marie Ellene	*LAS*		* †	*Rockford*
Lewis, William Baker	*LAS*		* †	*Harrisburg*
Lewis, William Henry	*Com (SS)*	*60*	* †	*Granite City*
Lewitan, Leo	*ME*	*22*	* †	*Chicago*
Leydorf, Sister Mary Innocents	*SS*	*6*		*Nauvoo*
Li, Szu Kuang	*Com*	*98½*	* †	*China*
Liang, Ping	*Com*		†	*Canton, China*
Libman, Anna	*LAS*	*68*	* †	*Chicago*
Libonate, Roland Victor	*MdP*		* †	*Chicago*
Lichtenberger, Cleo				
B.S. (*James Milliken Univ.*) 1911	*Lib*		* †	*Decatur*
Lichtmann, Samuel Arthur	*Arch*		* †	*Chicago*
Lieber, Ruth Evaline	*LAS*	*60*	* †	*Winnetka*
Lieberman, Emmanuel Harold	*EE*		†	*Cleveland, Ohio*
Liedel, Russell Brooke	*Law*	*99*	* †	*Springfield*
Lies, Arthur Nicholas	*ME*		* †	*Chicago*
Liggett, Ruth Elizabeth	*LAS*	*28*	* †	*Camp Point*
Liggitt, Charles Chesterfield	*Agr sp*		†	*Normal*
Lilley, Robert W	*ME*		* †	*Aurora*
Lin, Thian Kitt	*Com (SS)*	*109*	* †	*Canton, China*
Lindahl, Florence Elnora	*LAS (SS)*	*38*	* †	*Wayne*
Lindberg, Albin Ednar	*ME*	*23*	* †	*Princeton, Michigan*
Lindeberg, George Leonard	*Arch*	*85*	* †	*Chicago*
Linder, Isham Doyle	*MdP*	*30*	* †	*Carrollton*
Linder, Mary Sefton	*LAS*	*90½*	* †	*Charleston*
Linder, Roscoe George	*SS*	*6*		*Chandlerville*
Linderoth, Samuel Joseph	*Arch (SS)*	*88½*	* †	*Chicago*
Lindholm Karin Josephine	*LAS (SS)*	*24*	* †	*Elgin*
Lindley, Frances Ethlyn	*SS*	*7*		*Neoga*
Lindsay, Edward Frantz	*Agr sp*		* †	*Chicago*
Lindsay, Lawrence	*Agr*		* †	*Chicago*
Lindsey, Adrian Herve	*Agr*	*33*	* †	*Bryan, Ohio*
Lindsey, John Roger	*Agr*	*104*	* †	*Urbana*
Lindsey, Leon Mason	*ME*	*107*	* †	*Onarga*
Lindsey, Ralph Elder	*AE*	*95¾*	* †	*Bryan, Ohio*
Linebarger, Lois	*HSLAS*		* †	*Elwood*
Linendoll, Harry Alexander	*ChE*	*102*	* †	*Chicago*
Link, Rue Showalter	*Com*	*13*	* †	*Paris*
Linnard, Elmer Walfred	*Agr*	*115*	* †	*Peotone*
Linneen, Henry Wilson	*ME*	*63*	* †	*Lake Bluff*
Linton, Hazel Marie	*Mus*	*7*	* †	*LeRoy*
Linton, Ralph	*SS*			*Philadelphia, Pennsylvania*
Linton, Mrs. Rolfe	*SS*			*Trenton, New Jersey*
Little, Aaron James	*SS*	*8*		*Milwaukee, Wisconsin*
Little, Adelbert Dudley	*AE*	*103*	* †	*Genoa*
Little, Elmer Phelps	*LAS*		* †	*Champaign*
Little, Ethel Esther	*LAS*	*113*	* †	*Champaign*
Little, George Edkine, Jr.	*SS*	*6½*		*Washington, D. C.*
Littler, Nelle Maude	*LAS*	*60*	* †	*Sterling, Colorado*
Littrell, Donald Bennett	*Arch*		* †	*Colfax, New Mexico*
Liu, Nai Yu	*Com (SS)*	*70½*	* †	*Washington, D. C.*

Liu, Yu	*CE*		*		*Tientsin City, China*
Lively, Carlos Alcuin	*LAS*	*63*	*	†	*Oblong*
Livingston, Alfred Jr.	*ChE (SS)*	*40*	*		*Champaign*
Livingston, James Kenten	*ME*		*	†	*Champaign*
Livingston, Mrs. Kate Hope	*LAS (SS) sp*	*4½*	*		*Champaign*
Livingston, Thomas Morgan	*Agr*		*	†	*Minonk*
Llewellyn, Harry Corson	*Agr*	*34*	*	†	*LaGrange*
Llewellyn, Hazel Irene	*LAS*	*60*	*	†	*Prophetstown*
Llewellyn, Marie Edith	*LAS*		*	†	*Prophetstown*
Llewellyn, Marjorie Kauffman	*HSAgr*	*28*	*	†	*LaGrange*
Llewellyn, Pauline	*HSAgr*		*	†	*LaGrange*
Lloyd, Hosea Alvin	*SS*	*7*			*Marion, Indiana*
Lloyd, Lawrence Duncan	*LAS*		*	†	*Catlin*
Lloyd, Sergins Hopkins	*Agr*	*29*	*	†	*Genoa*
Locke, George Ferguson	*Agr*	*44*	*	†	*LaSalle*
Lockhart, Harold Leo	*ME*	*31*	*	†	*Owensville, Indiana*
Lockhart, Hester Louise	*HSAgr sp*			†	*Urbana*
Lockwood, Isabel Kathryn	*LAS*	*67*	*	†	*Chicago*
Lockwood William Frederick	*LAS*		*	†	*Kankakee*
Lofquist, Gerald Albert	*CE*		*	†	*Chicago*
Logan, Emily Washington	*LAS*		*	†	*Kirkwood, Missouri*
Logan, Frank Allyn	*Com*	*100*	*	†	*Paris*
Logsdon, Joseph Ezra	*Law*	*108*	*	†	*Shawneetown*
Logue, Burton Wooley	*LAS*	*36¾*	*	†	*Nashville, Tennessee*
Loman, James Clifton	*SS*	*7*			*Geneva, New York*
Long, Alberta Mary-Alice	*HSLAS*			†	*Chicago*
Long, Jesse Richard	*LAS*	*26*	*	†	*Sumner Hill*
Long, Leonard Franklin	*LAS (SS)*	*101*	*	†	*Tonica*
Long, Robert Louis	*Com*		*	†	*Edwardsville*
Long, Ruth Ida	*LAS*	*67*	*	†	*Watseka*
Long, Samuel Parks	*Chem*		*	†	*Springfield*
Loomis, Clayton Benjamin	*Agr*	*95*	*	†	*Chicago*
Loomis, Emily Fidelia	*HSLAS*		*	†	*Chicago*
Lopez, Leonor	*LAS*			†	*Champaign*
Lord, Arthur Hardy	*SS*	*7*			*Hanover, New Hampshire*
Lorentz, Robert William	*Arch*		*	†	*Chicago*
Losee, Donald Maynard	*LAS*		*	†	*Chicago*
Loughery, Harold Barker	*MdP*	*33*	*	†	*Palestine*
Lowrash, Percy David	*Agr*		*	†	*Champaign*
Louret, Francis	*Agr*	*102*	*	†	*Waldo, Wisconsin*
Love, Beryl Franklin	*LAS*	*62*	*	†	*Danville*
Love, Harry Halme	*LAS*	*61*	*	†	*Newton*
Love, Irene Leora	*LAS*		*	†	*Urbana*
Lovejoy, Charles Ernest, Jr.	*Com*		*	†	*Chicago*
Lovell, Clarence B	*ChE*	*48*	*	†	*Libertyville*
Lovell, M McDonald	*Arch*	*109*	*	†	*Chicago*
Lowe, Albert Stafford, Jr.	*ME*	*24*	*	†	*Shawneetown*
Lowe, Cyrus Ching Chung	*Com (SS)*	*42½*	*	†	*Washington, D. C.*
Lowe, Lucy	*Mus*	*9*		†	*Urbana*
Lowe, Wayne Marsh	*ChE*	*42*	*	†	*Chicago*
Lowery, Thomas Edwin	*Agr*	*37*	*	†	*Springfield*
Lowitz, Jack	*Com*		*	†	*Chicago*
Lowry, Bess	*LAS*	*96*	*	†	*Lead, South Dakota*
Lowry, John Thomas	*Agr sp*		*		*Champaign*
Lu, Ching Kui	*ME (SS)*	*111*	*	†	*Moukden, China*
Lu, Shon Cheng	*LAS*			†	*Foochow, China*
Ludlow, Helen	*LAS*	*62*	*	†	*Paxton*
Ludwig, Ethel Lenore	*HSLAS*	*95*	*	†	*St. Louis, Missouri*
Luebbers, George Jansen	*Agr sp*		*		*Emden*
Lueder, Herman Hinman	*AE*	*141*	*	†	*Cherokee, Iowa*
Lueder, Roy Moore	*AE*	*110*	*	†	*Cherokee, Iowa*
Lui, Ping Ho	*ME*		*	†	*Canton, China*
Lumley, Arlene	*LAS*	*33*	*	†	*Urbana*
Lummis, Irwin Lytle	*ME*	*111*	*	†	*Quincy*
Lund, John Virtus	*CE (SS)*	*111*	*	†	*Elgin*
Lund, Kenneth Wagner	*Com*		*	†	*Rockford*
Lundbeck, Oreld Rudolph	*ME sp*		*	†	*Oak Park*
Lundberg, Bruce Gurler	*Agr*	*85*	*	†	*DeKalb*
Lundberg, Henry Burler	*Agr*	*69*	*	†	*DeKalb*
Lundeen, Curt Carl	*AE*	*111*	*	†	*Rock Island*
Lundgren, Arnold Alinder	*CE*	*35*	*	†	*Rockford*
Lundgren, Floyd Edward	*EE*	*72*	*	†	*Lostant*
Lungren, Arthur Nathaniel	*ME*	*123*	*	†	*Aurora*
Lurie, Sidney Joseph	*EE*	*118*	*	†	*Chicago*
Lusk, Genevieve Aron	*HSAgr*	*98*	*	†	*Quincy*
Lutes, Gifford W	*Arch*	*111½*	*	†	*Lutesville, Missouri*
Luther, Wilhelmina Caroline	*LAS*	*27*	*	†	*Champaign*
Lutz, Zoe	*MdP*		*	†	*Findlay*
Lyman, Bernard Anthony	*LAS*	*12*	*	†	*Champaign*
Lyman, Mary Agnes	*LAS*	*66*	*	†	*Champaign*
Lynch, Frank Todd	*SS*	*5½*			*Independence, Iowa*
Lynch, Margaret	*HSLAS*	*67*	*	†	*Urbana*
Lynn, Chester Vernon	*EE*	*14*	*	†	*Henderson, Kentucky*
Lynn, Ernest Lee	*LAS*		*	†	*Washington, D. C.*
Lyon, Carlos Elmendorf	*Com*	*31*	*	†	*Decatur*

Lyon, Eunice Taylor	*LAS*		*	†	*Dubuque, Iowa*
Lyon, William Ranft	*LAS*	*32*	*	†	*Riverside*
Lyons, Lillian Helen	*Agr*		*	†	*Urbana*
Lyons, Oscar Ivan	*ME*	*73*	*	†	*Hoopeston*
McAdam, Charles Thomas	*LAS sp*		*		*Pana*
McAfoos, Roy Earl	*Agr sp*		*	†	*Ewing*
McBride, Charles Bernard	*CE*	*63½*	*	†	*Perryville, Missouri*
McBride, Howard Inman	*ME*	*27*	*	†	*Chicago*
McCabe, John James	*Com*		*	†	*Rantoul*
McCaffrey, Leslie Bernard	*Com*	*33*	*	†	*Highland Park*
McCallister, Roy Ivan	*Com*	*31*	*	†	*Carmi*
McCammon, Martha	*LAS (SS)*	*67*	*	†	*Urbana*
McCandless, Bryce L	*Agr sp*		*		*Newton, Kansas*
McCandlish, Fred Raymond	*Agr (SS)*	*110*	*		*Toledo*
McCarroll, James Shipp	*Agr*	*60*	*	†	*Owensboro, Kentucky*
McCaskill, Hadyn Anson	*Agr*	*24*	*	†	*Taylorville*
McCaskill, Lyman Clauson	*Agr (SS)*	*57*	*	†	*Taylorville*
McCaskill, Valden Maurice	*Agr*		*	†	*Taylorville*
McCaughtry, Ruth Corinne, A.B. (*Drury College*) 1912	*Lib*		*	†	*Carthage, Missouri*
McCay, Clive Maine	*LAS*		*	†	*Champaign*
McCleary, Gladys Selinda	*Agr*	*57*	*		*Chadwick*
McClellan, Kenneth Butler	*Agr*	*106½*	*	†	*Chicago*
McClellen, Russell Clyde	*EE*	*36*	*	†	*Urbana*
McClelland, Charles Benjamin	*SS*	*21⅚*			*Williamsville*
McCloud, James Forsyth	*Com*	*104*	*	†	*Sheldon*
McCluer, Donald	*Agr*	*72*	*		*Jackson, Mississippi*
McClure, Adelle Elizabeth	*Mus*	*78*	*	†	*Atlanta*
McClure, Helen Orra	*SS*				*Joliet*
McClure, Hugh Cameron	*SS*	*6½*			*DeLancey, New York*
McCollister, Isaac Frost	*ME*	*36*	*	†	*Anchor*
McComis, Samuel Jay	*SS*	*15½*			*Catlettsburg, Kentucky*
McConnell, Marian	*LAS*	*59*	*	†	*Indianapolis*
McConnell, Helen Evelyn	*LAS*		*	†	*Champaign*
McConnell, Marvin Greer	*LAS*	*77*	*	†	*Chicago*
McCord, Ralph Nichols, A.B., 1910	*SS*	*144*			*Bloomington*
McCormack, Thomas Hume	*ChE*	*71*	*	†	*LaSalle*
McCormick, Charles Parnell	*Com*	*31*	*	†	*Forrest*
McCormick, Peter James	*Arch*		*	†	*Sterling*
McCoy, Homer Walter	*Agr (SS)*	*116½*	*		*Mt. Sterling*
McCracken, Allen Reed	*AE*		*	†	*Urbana*
McCray, Marian Verla	*LAS*		*	†	*Filhian*
McCreary, William Curtis	*ChE*		*	†	*Chicago*
McCreery, John Alexander	*EE*		*	†	*Benton*
McCreery, Vashti	*LAS*		*	†	*Benton*
McCrory, Florence Hazel	*HSLAS*	*21*	*	†	*Okmulgee, Oklahoma*
McCullough, Helen E	*HSLAS*	*106*	*	†	*Urbana*
McCullough, Mary Elizabeth	*LAS*	*62*	*	†	*Urbana*
McCurdy, Lawrence Tatum	*EE*		*	†	*Glencoe*
McDaniel, Homer Wesley	*MdP*	*16*	*		*Mechanicsburg*
McDaniel, Lillie	*SS*				*Champaign*
McDavid, Carroll Meredith	*SS*	*5*			*Hillsboro*
McDermott, Raymond Adam	*SS*	*98*			*Batavia*
McDonald, Edmund Urban	*SS*				*Decatur*
McDonald, Georgia Helen	*HSLAS*	*56*	*	†	*Lerna*
McDonald, Harlan Fred	*LAS*		*	†	*Mattoon*
McDonald, Joseph Nelson	*LAS*	*76*	*	†	*Chicago*
McDonough, Thomas Joseph	*Com*	*5⅓*	*		*Urbana*
McDougal, Bertha Galie	*LAS*	*31*	*	†	*Petersburg*
MacDougal, Helen Alice	*LAS*	*32*	*	†	*Cairo*
McDowell, John Keeney	*Agr*		*	†	*Kankakee*
McDowell, Merritt Dewey	*LAS*		*	†	*Centralia*
MacDowell, Sidney Monroe	*Com*	*96*	*	†	*Addison, New York*
McDowell, Thomas Scott	*Agr*		*	†	*Fairbury*
McEldowney, Roy	*ME*	*44*		†	*Chicago Heights*
McEldowney, William Earle	*Com*		*	†	*Chicago Heights*
McElfresh, Arthur Edward	*Com*	*37*	*	†	*Urbana*
McElheney, Fred Wayne	*ChE*	*33*	*		*Vandalia*
McElhiney, Helen Catherine	*LAS*		*	†	*Kenney*
McElhiney, Ruth	*LAS*	*63*	*	†	*Kenney*
McElroy, Mildred Cherington	*Lib*	*45*	*	†	*Delaware, Ohio*
McEvers, Ernest	*EE*	*71*	*	†	*Montezuma*
McEvoy, Thomas Treston	*Agr*	*99*	*	†	*Chicago*
McFadden, Ivan Marion	*LAS*		*		*Mt. Vernon, Indiana*
McFarlane, Hugh	*ME*	*37*	*	†	*River Forest*
McGehee, Wilbur	*Agr*	*25*	*	†	*Urbana*
McGill, David Webster	*EE*	*33*	*	†	*Watseka*
MacGillivray, Malcolm Edwards	*LAS*	*54*	*	†	*Urbana*
McGinley, Susie Olive	*SS*				*Hylton, Texas*
McGinnis, Charles Allen	*SS*	*22⅚*			*Reevesville*
McGinnis, Donald Castle	*Com*		*		*Aurora*
McGinnis, Helen Anastasia	*LAS*	*60*	*	†	*Chicago*
McGinnis, Lester William	*EE*		*	†	*Kankakee*
McGrath, Lawrence Philip	*Com*		*	†	*Woosing*
McGrath, Wilson Thomas	*Agr*	*75⅓*	*	†	*Chicago*

McGraw, Thomas Francis	*Com*	*5*	*		*Champaign*
McGregor, John Lancaster	*ME*	*73*	*	†	*Chicago*
McGrew, Wallace Milton	*AE*	*25*	*	†	*Long Beach, California*
McGuire, Vereta	*SS*				*Champaign*
McIlwain, Glen Burrows	*CE*	*18*	*		*Galveston, Indiana*
McIntire, Elliott Charles	*Com*	*15¼*	*	†	*Aurora*
McIntire, Leo Glenn	*Com*		*		*Potomac*
McIntire, Mary Minerva	*SS*				*Urbana*
McIntyre, Joseph Homer	*Agr*	*22½*	*	†	*Newman*
McKay, Alexander	*ME*		*	†	*Almira, Washington*
McKay, Ernest Gladstone	*Agr*	*33*	*	†	*Evanston*
McKean, Leonard Albert	*SS*	*69*			*Woodson*
McKee, Mary Annette	*LAS*	*59*	*	†	*Kankakee*
McKeever, Robert Emmett	*EE*	*72*	*	†	*Jackson, Nebraska*
McKelvey, Mary Elizabeth	*LAS*		*	†	*Nashville*
McKeon, Agnes Veronica	*SS*				*Nauvoo*
McKim, Lawrence John	*LAS*	*32½*	*	†	*St. Louis, Missouri*
McKinley, Robert Prince	*Com*		*	†	*Mt. Carmel*
McKinnell, Isabelle Georgia	*SS*	*130*			*Beardstown*
McKinney, Lela Fern	*SS*	*7*			*Newton, Indiana*
McKinney, Norman	*Agr*	*102*	*	†	*Chicago*
McKittrick, Dorothy Joyce	*Agr*		*		*Tower Hill*
McKittrick, James Esten	*Agr*		*	†	*Tower Hill*
McKnight, Clark Wilson	*Com*	*29*	*	†	*Mason City*
McKnight, Elda Marie	*LAS*		*	†	*Hiawatha, Kansas*
McKnight, John Ira	*Com*	*27*	*		*Chicago*
McKown, Russell Leamer	*Agr*	*106*	*	†	*Davenport, Iowa*
McLaren, Jessie	*SS*				*Astoria*
McLaughlin, Ernest	*Com*	*22*	*	†	*Shelocta, Pennsylvania*
McLaughlin, George Southwell	*EE*	*30½*	*	†	*Pocatello, Idaho*
McLaughlin, James Robert	*EE*	*72*	*	†	*Aledo*
McLaughlin, Walter Wylie	*Agr*	*77½*		†	*Cartter*
McLean, Alice Edna	*SS*				*Jewell City, Kansas*
MacLean, Angus Donald	*LAS*		*	†	*New Albany, Indiana*
McLee, Edward Brown	*AE*	*66*	*	†	*Rockford*
McMahan, Elsie Margaret	*Com (SS)*	*44*	*	†	*Jerseyville*
McMahon, Edward Laurence	*EE*		*	†	*Lacon*
McMillan, Hermon George	*Com*		*	†	*Mt. Hermon, Massachusetts*
MacMillan, Lawrence Claude	*EE*	*120*	*	†	*Bridgeport*
McMurray, Fannie Marie	*LAS*	*32*	*	†	*Divernon*
McNair, Bernice Bowers	*LAS*	*90*	*	†	*Tolono*
McNally, Teresa	*SS*	*8*			*Pueblo, Colorado*
McKnaughton, Clayton Archibald	*Com*	*29½*	*	†	*Urbana*
McNeill, Angeline A.B., (*Lake Forest Coll.*) 1916	*Lib*		*	†	*Galena*
McNish, David Thornley	*Agr*	*47*	*	†	*North Crystal Lake*
McNulta, Scott	*Com*	*105*	*	†	*Decatur*
McNutt, Wilma Lea	*LAS*	*32*	*	†	*Lacon*
McQuinn, Ralph Tolivar	*LAS*		*	†	*Salem*
McSherry, Elizabeth Ann	*SS*	*8*			*Carlinville*
McWilliams, Marie Lindsey	*Mus (SS)*	*89*	*	†	*Urbana*
Macauley, John Blair, Jr.	*ME (SS)*	*57*	*	†	*Chicago*
Mach, George Robert	*Agr*	*32*	*		*Brookfield*
Machovec, Edward Paul	*RME*	*84½*	*	†	*Kansas City, Missouri*
Mackie, Elton Thomas	*Agr*	*87*	*	†	*New Orleans*
Mackin, Paul James	*CE*	*72*	*	†	*Omaha, Nebraska*
Macomber, Frank Bartlett	*Com*	*98*	*		*Oak Park*
Madden, Grace Erminie	*LAS*	*96½*	*	†	*Jacksonville*
Madden, Katherine Josephine	*SS*	*39½*	*	†	*Jacksonville*
Madison, Arthur Elmer	*ME*		*	†	*St. Louis, Missouri*
Madison, Mary Adele	*HSAgr (SS)*	*26*	*	†	*Chicago*
Magers, Elizabeth Julia	*HSLAS*	*33*	*		*Marquette, Michigan*
Magill, Lester K	*SS*	*8*			*Palestine*
Maguire, Mary Josephine	*SS*	*17½*			*Alton*
Maguire, William Chester, LL.B., 1910	*LAS*		*		*Urbana*
Mah, Wing Ngin	*SS*	*133*			*Berkeley, California*
Mahannah, A Ernest	*SS*				*Sedgwick, Kansas*
Maher, Chauncey Carter	*MdP*	*68*	*	†	*Payson*
Mahn, George Willis	*AE*	*108*	*	†	*Urbana*
Main, George Chrysup	*MdP*	*33*	*	†	*Barry*
Main, Howard H	*CE*	*33*	*	†	*Rockford*
Main, Russell Wallace	*Com*		*	†	*Upper Sandusky, Ohio*
Maitra, Krishna Mohan	*RME*	*95*	*	†	*Benares, U.P. India*
Makutchan, Clyde	*CE*	*100*	*	†	*Urbana*
Malapert, Ernest Louis	*Com (SS)*	*43*	*	†	*Osage City, Kansas*
Malcolmson, David Krause	*MinE*		*	†	*Kansas City, Missouri*
Mallary, Ernest Noel	*SS*	*51½*			*New Orleans, Louisiana*
Mallers, John Bernard III	*ME*	*32*	*	†	*Chicago*
Mallett, Norman James	*CerE*	*93*	*	†	*Alloona, Pennsylvania*
Mallory, Francis Bolton	*LAS*	*33*	*	†	*Batavia*
Mallory, Richard Henderson	*Agr*	*67*	*	†	*Batavia*
Mallstrom, Roe Eugene	*Com*	*64*	*	†	*Harvey*
Malsbary, Grace Estella	*HSLAS (SS)*	*60½*	*	†	*Champaign*
Malsbury, Marshall Raymond	*Agr*		*	†	*Virden*
Mandel, Samuel	*Agr*		*		*Chicago*

Mandeville, Merten Joseph	*Agr*	*45*	* †	*Terre Haute, Indiana*
Mandeville, William Howard	*Agr*	*62*	* †	*Winnebago*
Mangan, Ralph Kennith	*ME*	*105*	* †	*Chicago*
Manguson, Maude Beatrice	*Mus*	*33*	* †	*Osco*
Manley, John Charles	*EE*	*30*	* †	*Chicago*
Manley, Marion	*Arch*	*122*	* †	*Junction City, Kansas*
Manley, Myra Frances	*LAS*	*60*	* †	*Champaign*
Manley, Otis Rowe	*Com*	*102*	* †	*Harvard*
Manley, Verna Adeline	*Mus sp*	*10*	* †	*Champaign*
Mann, Edna Frances	*SS*	*73½*		*Oak Park*
Mann, Marjorie Dorothea	*HSLAS*	*97*	* †	*Elgin*
Mann, Shirley	*HSLAS*		* †	*Kankakee*
Mann, William Alfred, Jr.	*LAS*		* †	*Wilmette*
Manny, Ida Lillian	*LAS*		* †	*Portland, Oregon*
Manny, Theodore Bergen	*Agr*	*36*	* †	*Chicago*
Manspeaker, Caroline Elizabeth	*LAS*		* †	*Champaign*
Mapel, Frances Pauline	*Agr*	*97*	* †	*Fairbury*
Marble, Mildred Ethel	*SS*	*8*		*Woodstock*
Marbold, Pauline	*LAS*	*104*	* †	*Greenview*
Marcott, Margaret Anna	*LAS*	*35*	* †	*Decatur*
Markee, Charles Seguine	*Com*		* †	*Neponset*
Marks, Anna Edith	*LAS*	*32*	* †	*Dixon*
Marks, Maude Irene	*LAS*	*67*	* †	*Plymouth, Indiana*
Markson, Harry	*ME*	*108*	* †	*Chicago*
Markwardt, Henry William	*RCE*	*99*	* †	*Elgin*
Markwell, Olen Crow	*Agr*	*64*	* †	*Stonington*
Marlowe, Wilma McCabe	*LAS*	*8*	* †	*Pontiac*
Maroe, Luella May	*SS*	*13½*		*Rushville*
Marquiss, Ralph Edwin	*Agr*	*34*	*	*Monticello*
Marrcck, Milton	*ChE*	*66½*	* †	*Chicago*
Marsh, Bessie Ellen	*HSAgr*		* †	*Urbana*
Marsh, Carrie Ethel	*LAS*	*43½*	* †	*St. Joseph*
Marshall, Elsmere John	*ChE*	*22*	*	*Washington, D. C.*
Marshall, Glenn Wylie	*Com*	*46*	* †	*Rutland*
Marshall, Joseph Ellsworth	*Com*		*	*Gibson City*
Marshall, Thomas Holland	*LAS*	*64*	* †	*Fairfield*
Marshall, William Vincent, Jr.	*Com*	*30½*	* †	*Milford*
Marsteller, Dudley Leonard	*Com*	*36*	* †	*Roanoke, Virginia*
Martell, Edmund Anthony	*EE*	*71*	* †	*Murphysboro*
Marterns, Margaret Louise	*HSLAS*	*65*	* †	*Anchor*
Martin, Ada North	*Mus sp*		* †	*Madison, Wisconsin*
Martin, Albert Thaddeus	*Agr*	*83*	* †	*Newton*
Martin, Charles Blake	*Com*	*33*	* †	*Mt. Carmel*
Martin, Charles Clifford	*Com*		* †	*Auburn*
Martin, Daisy Moore	*LAS*	*29*	* †	*Champaign*
Martin, Emmet Giles	*Arch*	*79*	*	*Los Angeles, California*
Martin, Frank Albert	*ChE (SS)*	*65½*	* †	*Chicago*
Martin, Leroy Hoener	*Agr*		* †	*Chicago*
Martin, Milford Maurice	*LAS*	*19*	* †	*Murphysboro*
Martin, William Hugh	*Law*	*66*	* †	*Beech Ridge*
Marvel, Edith Mae	*LAS*		*	*Normal*
Marx, Arthur William Kuhs	*MSE*	*79*	* †	*St. Louis, Missouri*
Marx, George Bernard	*Com*	*109*	* †	*Aurora*
Mason, Jean Fraser	*LAS*	*47*	* †	*LaSalle*
Mason, Lee	*Agr*	*35*	* †	*New Richmond, Indiana*
Massey, Henry Laurens	*Com*	*51*	* †	*Little Rock, Arkansas*
Massock, Richard Gilbert	*LAS*	*17*	* †	*Illiopolis*
Masson, Lewis William	*Agr*	*66*	*	*Buffalo, New York*
Matheny, Arthur Rolla	*SS*	*8½*		*Elizabethtown*
Mather, Asa Frisbie	*Law*	*66½*	* †	*Plainfield*
Mathers, Fletcher Ward	*Agr sp*		* †	*Chapin*
Mathews, William Elmer	*Com*	*54*	*	*Potsdam, New York*
Mathews, William Rankin	*Com*	*113½*	* †	*Berkeley, California*
Mathis, Oscar Jacob	*Arch*		* †	*Morton*
Matoba, George Hajime	*MinE*	*80*	* †	*Japan*
Matson, Harry Emil	*ME*	*93*	* †	*Chicago*
Mattheus, Albert Otto	*LAS*	*70½*	* †	*Washington, D. C.*
Matusezewiez, Veronica Catherine	*LAS*	*60*	* †	*Minonk*
Maung, Tharrawaddy Mauny	*ChE*		* †	*Rangoon, Burma*
Maurer, Charles Brand	*LAS*		* †	*Champaign*
Maurer, Frederick Gottlieb	*Com*		* †	*Chicago*
Maury, Daniel Evans	*Com*	*68*	* †	*Rossville*
Mautner, Erwin William	*ChE*	*75*	* †	*Chicago*
Mautz, William Plaford	*Agr*	*28*	* †	*St. Elmo*
Mavity, Maurine	*SS*	*102*		*Eureka*
Maxfield, Elizabeth Allmond	*SS*			*Palmyra*
Maxwell, Clyde Everett, Jr.	*Agr*	*3*	* †	*Buffalo, New York*
Maxwell, Leslie Blaine	*Com*	*104*	* †	*Paris*
Maxwell, Loyal C	*LAS*	*102*	* †	*Flat Rock*
Maxwell, McKinley Vern	*Agr*	*32*	* †	*Flat Rock*
Maxwell, Raymond Jones	*Com*	*66*	* †	*Paris*
May, Clifford Blaine	*Agr*	*119*	*	*Kirkland*
Maynard, Elsdon Lyman	*Com*		* †	*Chicago*
Maynard, Wesley Kenneth	*LAS*	*32*	* †	*Chicago*
Mayo, Thomas Bolton	*LAS*	*57*	* †	*Alton*

Mead, Leo Shallenberger	*Com*	*97*	*	†	*Grand Island, Nebraska*
Meade, Ehrma Pauline	*LAS*	*7½*	*	†	*Champaign*
Meads, Aileen Mary	*SS*				*Benton*
Meals, Robert Woodruff	*Agr*	*76*	*	†	*Peoria*
Means, Walker Wilson	*CE*	*41*	*	†	*Urbana*
Medendorp, Titus Arend	*SS*	*61*			*Chicago*
Meder, John O'Connor	*Com*		*	†	*Chicago*
Mee, Julian Edward	*Agr*	*15½*	*	†	*Chicago*
Meek, Frederick James	*EE*	*28*	*	†	*Marissa*
Meek, Harold Tecumseh	*LAS*	*75½*	*	†	*Peoria*
Meeks, Faye	*Lib*		*		*Galesburg*
Meers, Edith Gertrude	*SS*				*Evanston*
Mehaffey, Helen Irene	*HSLAS*	*32*	*	†	*Chicago*
Meier, Harold Irving	*LAS*	*35*	*	†	*Marissa*
Meisenhelder, W Benjamin	*SS*	*93*			*Palestine*
Melangton, Philip Rolland	*Com*		*	†	*Chicago*
Melin, Charles Raymond	*Agr*	*65*	*	†	*Urbana*
Melin, Ralph Morton	*LAS*	*29*	*		*Chicago*
Mendel, Ferdinand Albert	*ME*	*31*	*		*Chicago*
Mendenhall, Eugene Lincoln	*SS*				*Toulon*
Mendenhall, Ruth	*SS*	*8*			*Ridgefarm*
Mendsen, Harry Charles	*CE*		*	†	*Oak Park*
Menefee, Percy Lee	*LAS*	*5*	*	†	*Portland, Oregon*
Meneley, Ollive Myrtle, B.Mus., 1916	*Mus*			†	*Peoria*
Menzel, Carl Alfred	*ME*	*107*	*	†	*Chicago*
Merageas, George Peter	*EE*			†	*Greece*
Mercer, Charles Franklin	*CE*	*79*	*	†	*Kansas City, Missouri*
Mercer, Ralph Dilworth	*Agr*	*69*	*	†	*Vermont*
Merchant, Althea Amaleyllis	*LAS*		*	†	*St. Louis, Missouri*
Merner, Carl John	*SS*				*Lakeside, Washington*
Merrills, Marshall C, A.B., 1914	*LAS*			†	*Belleville*
Merrills, Virginia	*LAS*	*44*	*	†	*Belleville*
Merryman, Mary Elinor	*SS*	*15*			*Elizabethtown*
Merrymon, Mrs. William Walter	*Agr sp*		*	†	*Ponder, Texas*
Merz, Robert Wham	*CE*		*	†	*Salem*
Metcalf, Deane Shively	*LAS*		*	†	*Illiopolis*
Metheny, Coligny Brainerd	*SS*	*5*			*Beaver Falls, Pennsylvania*
Metzler, John Newman	*SS*	*17½*			*White Hall*
Metzler, Ralph Oliver	*Com (SS)*	*34*	*	†	*Champaign*
Mewhirter, Jannett Lou	*HSAgr*	*65*	*	†	*Yorkville*
Meyer, Alfred Werner	*Chem (SS)*	*106½*	*	†	*Chicago*
Meyer, Alvin Frederick	*Agr (SS)*	*93½*	*	†	*Deerfield*
Meyer, Emma	*SS*	*25½*			*Waterloo*
Meyer, Ferdinand Antoine Ernst Henry	*Com*	*19*	*	†	*West Indies*
Meyer, Frederick William, Jr.	*LAS*		*	†	*Kansas City, Missouri*
Meyer, Harold Engles	*Com*		*	†	*Havana*
Meyer, Howard Maurice	*RCE*	*36*	*	†	*Berlin, Ontario, Canada*
Meyer, Husted McCullough	*Com*	*25½*	*	†	*Glencoe*
Meyer, Irma Louise	*LAS*		*	†	*Kewanee*
Meyer, Walter Rae	*LAS*			†	*Springfield*
Meyer, Wilbur Henry	*Agr*	*32*	*		*Beardstown*
Meyers, Fred William	*Com*			†	*Wheaton*
Meyers, Marguerite	*HSLAS*	*33*	*	†	*Belvidere*
Meyers, Mildred Irene	*LAS*	*64*	*	†	*Pekin*
Micenheimer, Russell	*Agr*		*	†	*Taylorville*
Michael, Beatrice Anne	*LAS*		*		*Champaign*
Michael, Richard William	*Agr*	*18*	*		*Champaign*
Michael, William Manford	*LAS*		*	†	*Champaign*
Michaels, Maurice Alpiner	*Com*		*	†	*Champaign*
Michels, Eva Mabel	*SS*	*15*			*Albion*
Mickelson, Jens Christian	*EE*	*83*	*	†	*Chicago*
Mickey, Florence	*LAS*		*		*Macomb*
Middleton, Edith Anna	*HSLAS*	*108*	*	†	*Chicago*
Middleton, George Eugene	*Agr*		*	†	*Chicago Heights*
Middleton, Julian Gilbert	*Arch*	*73*	*	†	*Pomona, California*
Midkiff, John Howard	*Agr*	*108*	*	†	*Stonington*
Miles, Evelyn	*LAS sp*		*	†	*LaGrange*
Miles, Margaret Leslie	*LAS*		*	†	*LaGrange*
Miles, May	*HSAgr*	*100*	*	†	*Tologo, Colorado*
Miles, Milton Godfrey	*Com*		*	†	*Des Moines, Iowa*
Miles, Thomas Boyd	*Agr*	*68*	*	†	*Lewistown*
Millar, Melvin Oscar	*Agr*	*30*	*	†	*Mattoon*
Miller, Alta Marie	*SS*	*8½*			*Nokomis*
Miller, Anna May	*LAS*	*32*	*	†	*Champaign*
Miller, Archie Roscoe	*EE*	*71*	*	†	*Mahomet*
Miller, Bertie Ethel	*SS*	*15½*			*Westfield*
Miller, Carl Roscoe	*LAS*		*	†	*Mulberry Grove*
Miller, Claire Evelyn	*LAS*	*40*	*	†	*Negaunee, Michigan*
Miller, Dean Albert	*CE*	*76*	*	†	*Canton*
Miller, Elmer Marshall	*ME*		*	†	*Chicago*
Miller, Eva Grace	*Mus sp*		*	†	*Boulder, Colorado*
Miller, Floyd Russell	*SS*	*8*			*Decatur*
Miller, Francis H	*Com*	*69*	*	†	*Chicago*
Miller, Hazel Cloah	*Mus (SS)*	*4*	*	†	*Champaign*
Miller, Joseph Gilman	*Com*	*34½*	*	†	*Glencoe*

Miller, Katherine Fay	*LAS*		*	†	*Centralia*
Miller, Katherine Marie	*SS*	*5*			*Hoopeston*
Miller, Kenneth William	*EE*	*37*	*	†	*Decatur*
Miller, Lewis Elbert	*ME*		*	†	*Compton*
Miller, Lloyd Burgart	*AE*		*	†	*Chicago*
Miller, Margaret Josephine	*SS*	*5*			*Moweaqua*
Miller, Robert McClain	*CE*	*107*	*	†	*Cairo*
Miller, Sanford Curtis	*LAS*	*22*	*	†	*Casey*
Miller, Virginia Agnes	*LAS*	*33*	*	†	*Galva*
Miller, Walter Porter	*Agr*	*63*	*	†	*Hanna City*
Miller, Wilbur Glenn	*AE*		*	†	*Jerseyville*
Milliken, Douglas	*Agr*		*	†	*Walnut*
Milliken, Victor Carl	*Com*		*		*Chicago*
Millon, Vance Spencer	*MdP*			†	*New Orleans, Louisiana*
Mills, Chester Whitaker	*CE*		*	†	*Chicago*
Mills, Martha Mendenhall	*LAS*	*15*	*	†	*Marion, Indiana*
Mills, Robert Rourke	*CE*		*	†	*Washington, D. C.*
Mills, Thomas Emmet	*SS*				*Beloit, Wisconsin*
Millsom, Walter Clair	*CerE*	*130*		†	*Macomb*
Miner, Helen Nellora	*MdP*	*30*	*	†	*Adair*
Miner, William	*SS*	*75½*			*Pana*
Mink, Dwight L	*Com*	*92*	*	†	*Galva*
Minkema, William Herman	*ME*	*107*	*	†	*Chicago*
Minks, Freda Heyer	*Mus*		*	†	*Dewey*
Minnis, Lemuel Ernest, B.S., 1916	*SS*	*142*			*Chicago*
Mischler, Clara Helen	*SS*	*13½*			*Springfield*
Mischler, Lillian	*SS*	*19½*	*	†	*Springfield*
Misener, Glenn Edgar	*ME*		*	†	*Berwyn*
Mitchell, Donald Richards	*Agr*	*66*	*	†	*Chicago*
Mitchell, Edna Pearl	*LAS*		*	†	*Hoopeston*
Mitchell, Forster Isaac	*Com*	*21*	*	†	*Havana*
Mitchell, Florence Ferne	*SS*	*38*			*Urbana*
Mitchell, George William	*MdP*	*101*	*	†	*Marion*
Mitchell, Herschel D	*SS*	*7*			*Hurdland, Missouri*
Mitchell, Zulieka Pearl	*Mus sp*		*	†	*Mendon*
Mittleman, Benjamin Eugene	*CE*	*36*	*	†	*Chicago*
Mix, John Raymond	*LAS*	*32*	*	†	*Beardstown*
Mizell, Ralph Eugene	*Law sp*		*	†	*Lake City, Florida*
Moberley, Edwin Stuart	*Agr*	*60½*	*	†	*Tallulah, Louisiana*
Mobley, Thomas Ray	*SS*				*Coushatte, Louisiana*
Mock, Walter Paul	*Com*		*	†	*Kendallville*
Moffatt, Alice Naomi	*LAS*	*30*	*	†	*Chicago*
Moffett, Donald Romain	*Law*	*86*	*	†	*Paxton*
Moffett, Warren	*Agr*		*	†	*Urbana*
Mohr, Alba Agnes	*SS*	*130*			*Beardstown*
Mohr, Edward Emil	*SS*	*39*			*Chicago*
Mohr, Joseph Sutton	*ME*		*	†	*Chicago*
Moller, Gertrude Mathilda	*SS*				*Mt. Vernon*
Molyneaux, Juniata Ounita	*LAS*	*104*	*	†	*Woodland*
Moncrieff, James Weir	*CerE*	*74*	*	†	*Otsego, Michigan*
Money, Max James	*Agr*			†	*Newton*
Mongreig, Louis Morgan	*Agr*	*29*	*	†	*Cicero*
Monier, Mrs. Nellie May	*SS*				*Annawan*
Monninger, Werner Hugo	*Com*		*	†	*Indianapolis, Indiana*
Monohon, Ila E	*HSLAS (SS)*	*71*	*	†	*Urbana*
Monohon, Irma Naomi	*HSLAS*		*	†	*Urbana*
Monroe, George Stuart	*Chem*	*111*	*	†	*Hillsboro*
Monteiro da Cunha, Humbert	*CE*			†	*Sao Paulo, Brazil*
Montgomery, Emily Caroline	*SS*	*8½*			*Decatur*
Montgomery, Verona Beatrice	*SS*	*9*			*Decatur*
Montgomery, Vincent Everett	*SS*				*Sioux City, Iowa*
Montgomery, Winifred	*HSAgr*		*	†	*Marseilles*
Moo, Jen Yin	*AE*	*32*	*	†	*Honolulu*
Moody, James Nathaniel	*LAS sp*		*		*Belize, British Honduras, C. A.*
Mooney, John Francis	*Agr sp*		*	†	*Highland Park*
Mooney, Paul Cullom	*Com*		*	†	*Philo*
Moor, Hubert Watson	*ChE*	*105*	*	†	*Champaign*
Moore, Albert Brophy	*LAS*	*17*	*	†	*Aurora*
Moore, Allen Ray	*LAS*	*72½*	*	†	*Urbana*
Moore, Allie Adelaide	*LAS*	*21*	*	†	*Urbana*
Moore, Charles Bachman	*LAS*	*35*	*	†	*Knoxville, Tennessee*
Moore, Edwin Cecil	*AE*	*27*	*	†	*Carbondale*
Moore, Elva Marie	*Mus*		*	†	*Urbana*
Moore, Eva Elenor	*HSLAS*	*31*	*		*Mattoon*
Moore, Florence	*LAS*	*35*	*	†	*Allerton*
Moore, George Wilkinson	*Agr*	*34*	*	†	*Macomb*
Moore, Gladys Vivianne	*LAS*		*	†	*Champaign*
Moore, Hiram Wodrich	*SS*				*Chicago*
Moore, Irene Holbrook	*LAS*	*101*	*	†	*Nashville*
Moore, June W	*SS*				*Decatur*
Moore, Mrs. Kate Eleanor	*SS*				*Tuscola*
Moore, Lois Romelia	*SS*				*Gridley*
Moore, Mabel Elizabeth	*HSAgr*	*96*	*	†	*Nashville*
Moore, Miriam Ashworth	*Com*		*	†	*Danville*
Moore, Othmar Lawson	*LAS*	*23½*	*	†	*Garrett, Indiana*

Moore, Paul Robert	*ME*	*36*	*	†	*Carlinville*
Moore, Sara Elizabeth	*LAS*	*66*	*	†	*Danville*
Moore, Vivian June	*HSLAS*	*29*	*	†	*Stockton*
Moore, Walter Raymond	*Agr*		*	†	*Wataga*
Moore, Wayne Kenneth	*Agr*	*65¼*	*	†	*Chicago*
Moore, William Abner, A.B., 1916	*Law*		*	†	*Urbana*
Morales, Maximo Eladio	*CE*		*	†	*Lima, Peru*
Moran, Frances Bernetia	*LAS*		*	†	*Belvidere*
Moran, Katherine Mary	*HSAgr (SS)*	*102*	*	†	*Bartlesville, Oklahoma*
Moran, Sarah Ellen	*SS*	*6*			*Bartlesville, Oklahoma*
Mordue, Ralph	*MinE*	*5*	*	†	*Chicago*
Morean, Clarence Wheeler	*Agr*	*43½*	*	†	*Des Moines, Iowa*
Morehead, R Gould	*Com*	*23½*	*	†	*Montclair, New Jersey*
Morey, Clara Adah	*LAS (SS)*	*102*	*	†	*Macomb*
Morey, Drew	*Com*	*30*	*	†	*Manistee, Michigan*
Morey, Philip Johnston	*Agr*	*70*	*	†	*Oak Park*
Morgan, Dean Francis	*EE*	*35½*	*	†	*Kane*
Morgan, May Merboth	*LAS*	*98½*	*	†	*Chicago*
Morgan, Thomas Sherman	*Law*	*31*	*	†	*East St. Louis*
Morgan, William Ray	*CerE*		*	†	*Macomb*
Morita, Hanyemon	*Com*	*68½*	*	†	*Kisorazu Mochi, Japan*
Morrill, Berton Charles	*SS*	*3*			*Old Orchard, Maine*
Morris, Bertha May	*SS*	*20⅚*			*Greenview*
Morris, Harold Harrison	*Agr*	*66*	*	†	*Clinton*
Morris, Helen Elizabeth	*HSLAS*	*45*	*	†	*Webster Groves, Missouri*
Morris, Nelson Marvin	*MinE*	*110*	*	†	*Harrisburg*
Morrison, Carl Raymond	*ME*	*77*	*	†	*Columbus, Indiana*
Morrison, Ivan G	*Agr*	*102*	*	†	*Fairbury*
Morrison, Lethe Eleanora	*HSLAS*	*48*	*	†	*Waterloo*
Morrison, Louraine Katherine	*LAS*		*	†	*Joliet*
Morrison, Russell Howard	*Com*		*	†	*Rantoul*
Morrison, William Raymond	*LAS (SS)*	*178*	*		*Waterloo*
Morrissey, John O'Connell	*Agr (SS)*	*34½*	*	†	*Bloomington*
Morrow, Charles Edward	*ME*		*	†	*Champaign*
Morrow, Walter Shoop	*Com*		*	†	*Waukegan*
Morsch, Elmer John	*Agr*	*66*	*	†	*Hinckley*
Morse, Guy Edward	*EE*	*44*	*	†	*Kansas City, Missouri*
Morse, Richard Irving	*Com*	*20*	*	†	*Olney*
Morse, Robert Lay	*ME*	*37*	*	†	*Kewanee*
Morton, Alfred Hammond	*CE*	*36*	*	†	*Chicago*
Morton, Isadore	*ChE*	*72*	*	†	*Chicago*
Moseley, Jason William	*Arch*	*13*	*	†	*Calhoun, Kentucky*
Moser, Margaret	*LAS*	*31*	*	†	*Chicago*
Mosgrove, Charles Adamson	*Agr*		*	†	*Monticello*
Mosier, Henry David	*Com*		*	†	*Urbana*
Moss, Alida Helen	*LAS*	*66*	*	†	*Urbana*
Moss, Florence Louise	*LAS*	*106*	*	†	*Charles City, Iowa*
Moss, John Redmon	*Agr*		*	†	*Paris*
Moss, Ruth Alice	*LAS (SS)*	*91½*	*	†	*Mt. Vernon*
Mote, Raymond Spencer	*SS*	*6⅓*			*Piqua, Ohio*
Mott, Florence McElroy	*HSAgr*		*	†	*St. Louis, Missouri*
Motter, Archie Runkle	*Com*	*60*	*	†	*Browns Valley, Minnesota*
Motter, Henry Edward	*Com*	*34*	*	†	*Lake Worth, Florida*
Moulden, Clara Berenice	*LAS*	*31*	*	†	*Tuscola*
Moulton, George Franklin	*ChE*			†	*Ottawa*
Moyen, Carl Peter	*ChE*	*119*	*	†	*Chicago*
Mroz, Rudolph John	*MdP*	*28*	*	†	*Chicago*
Mueller, Alfred Martin	*EE*		*	†	*Wilmette*
Mueller, Carl Oscar	*AE (SS)*	*111½*	*	†	*Chicago*
Mueller, Gustave B	*MdP sp*		*		*Delmont, South Dakota*
Mueller, Herbert Edward	*AE*	*109*	*	†	*Chicago*
Mueller, John A	*SS*	*6*			*Watertown, Wisconsin*
Mueller, Richard Henry	*Agr*	*33*	*	†	*Chicago*
Mueller, Walter Rudolph	*AE*	*37*	*	†	*Indianapolis, Indiana*
Mueller, Walter Sack	*LAS*		*	†	*South Bend, Indiana*
Muessel, Richard Adam	*Agr*	*106*	*	†	*South Bend, Indiana*
Mugge, Lucile	*LAS*			†	*Harrisburg*
Mulford, Edgar Theodore	*CE (SS)*	*96½*	*	†	*Mason City*
Mulliken, Horace Watson	*Agr*	*30*	*	†	*Humbolt*
Mullins, Edward Richard	*AE (SS)*	*109½*	*	†	*Champaign*
Mullins, James Thomas	*AE*	*½*	*		*Champaign*
Mullon, Vance Spencer	*MdP*		*		*New Orleans, Louisiana*
Mumm, Walter John	*Agr*	*32*	*	†	*Sidney*
Munce, Bernice Correll	*LAS*	*15*	*	†	*Illiopolis*
Muncie, Wendell Stanley	*LAS*		*	†	*Danville*
Munger, Winifred	*LAS*			†	*Chicago*
Munns, Charles Willard	*Com*	*70*	*		*Peoria*
Munsell, Amel Truman	*Com*		*	†	*Henryetta, Oklahoma*
Munson, John Leonard	*Agr (SS)*	*102*	*	†	*Randolph*
Munson, Morris George	*Com sp*	*34*	*	†	*Champaign*
Muramoto, David Kitaro	*EE*		*	†	*Chicago*
Murata, Motosaburo	*EE*	*106½*	*	†	*Japan*
Murdock, Elizabeth Adams	*LAS (SS)*	*97*	*	†	*Champaign*
Murison, Richard Vivian	*AE*	*41*	*	†	*Evanston*
Murphy, Bert Kenneth	*Agr*		*	†	*Stockton*

Murphy, George Thomas	*MdP*		*	†	*Chicago*
Murphy, John Anson	*EE*		*	†	*St. Louis, Missouri*
Murphy, Louise Phares	*LAS (SS)*	*56*	*	†	*Western Springs*
Murphy, Robert Emmet	*ME*	*27½*	*	†	*Anderson, Indiana*
Murray, Annie Louise	*Mus sp*		*	†	*Champaign*
Murray, Gerald Edson	*Com*	*73*	*	†	*Rensselaer, Indiana*
Murray, Grace Mildred	*LAS*	*99*	*	†	*Champaign*
Murray, Lenore Claire	*LAS*		*	†	*Rantoul*
Murray, Leonard Ely	*AE*	*36*	*	†	*Springfield, Massachusetts*
Murray, Noris Fay	*SS*				*Mazon*
Murray, Sprague Elmo	*Agr*	*70*	*	†	*Mazon*
Mustain, James Clifford	*ME*	*71*	*		*Sciota*
Myers, Delle Matilda	*Agr*	*16*	*	†	*Sperling, Manitoba*
Myers, Emma Frances	*LAS*	*54*	*	†	*West Virginia*
Myers, Gilbert Barlow	*EE*		*	†	*Aurora*
Myers, Harold Noyes	*Agr*		*	†	*Mendon*
Myers, Merton Jasper	*ME*	*29½*	*		*Champaign*
Myers, Morris Rosenthal	*Com*			†	*Springfield*
Myers, Walter Franklin	*Com*		*		*Indianapolis, Indiana*
Myers, William Henry	*MdP*		*	†	*Coal Valley*
Naden, Gladys LeOra	*LAS*	*68*	*	†	*Newark*
Nag, Surendra Chacedra	*MSE*	*95½*	*	†	*Calcutta, India*
Nagel, Charles August	*EE*	*40*	*	†	*St. Louis, Missouri*
Nakada, Kyoichi	*EE*	*120*	*	†	*Okayama, Japan*
Nakanishi, Shimaji	*EE*		*	†	*Aichiecen, Japan*
Nakayama, Moki	*EE*	*111*	*	†	*Kochi, Kochi-Ken, Japan*
Nash, Vern Sharp	*Agr sp*			†	*Joplin, Missouri*
Neece, Orville Jesse	*Law*			†	*Macomb*
Needham, Catherine	*LAS*	*67*	*	†	*Urbana*
Needham, Marguerita	*LAS*		*	†	*Urbana*
Needler, Julien Hequembourg	*ME*	*115*	*	†	*Chicago*
Neely, Bertha	*SS*	*64*			*Marion*
Neely, John Childs	*Arch*	*62*	*	†	*Topeka, Kansas*
Neff, Harold Alpha	*LAS (SS)*	*31*	*	†	*Rochelle*
Neiburg, Simon Jacob	*EE*	*63*	*	†	*St. Albans, Vermont*
Neifing, Hal Francis	*SS*	*5*			*Pontiac*
Neil, Mark Crawford	*LAS*	*31*	*		*Oak Park*
Nelson, Arthur Elis	*ME*		*	†	*Evanston*
Nelson, Clarence Theodore	*SS*				*Bertrand, Nebraska*
Nelson, Elmer Laurence	*AE*	*54*	*	†	*Chicago*
Nelson, Jesse Ward	*Agr*	*103½*	*	†	*Vermont*
Nelson, John	*AE*	*17*	*		*LaGrange*
Nelson, Marguerite Richmond	*LAS sp*		*	†	*Urbana*
Nelson, Milton Nels	*SS*				*Chicago*
Nelson, Paul Scofield	*ME*	*34*	*	†	*Chicago*
Nelson, Raymond Edward	*LAS*		*	†	*Chicago*
Nelson, Rudolph Stokes	*LAS*		*	†	*Rockford*
Nelson, Severina Elain	*LAS*	*70*	*	†	*Oak Park*
Nelson, Sidney William	*Com*	*½*	*	†	*Winnetka*
Nelson, Walter Stephen	*LAS*	*89*	*	†	*Chicago*
Nelson, William Oscar	*ME*	*110*	*	†	*Peoria*
Nesbit, Maude Elizabeth, A.B. (*Butler College*) 1915	*Lib*		*	†	*Indianapolis, Indiana*
Nesbitt, Carl Wesley	*Chem*	*75*	*	†	*Macomb*
Nesheff, George	*ME*	*56*	*	†	*Bulgaria*
Netcott, Roland Earl	*AE*	*85*		†	*Independence, Iowa*
Netz, Ralph Morlan	*Com*	*70*	*	†	*Albion, Indiana*
Neuber, Anna Louise	*LAS*	*16*	*	†	*Litchfield*
Neville, Olive Myrtle	*HSLAS*	*64*	*	†	*Kewanee*
Newburn, Alice Rachel	*HSAgr*	*25½*	*	†	*Hoopeston*
Newburn, Gene Edgar	*Agr*	*33*	*	†	*Hoopeston*
Newburn, Harold James	*Com*	*51*	*	†	*Hoopeston*
Newburn, Iva Florence	*HSLAS*	*68*	*	†	*Urbana*
Newcomb, Edwin Eldwood	*Arch*	*64*	*	†	*Burlington, Kansas*
Newcomb, Walter Haines	*Chem*	*91*	*	†	*Fisher*
Newcomer, Charles Graham	*SS*	*7*			*Columbia, Missouri*
Newell, Constance	*LAS*			†	*Urbana*
Newell, Josephine	*HSLAS*	*36*	*	†	*Urbana*
Newland, George Milton	*Arch*		*	†	*Cedar Rapids, Iowa*
Newlin, Harold Vance	*LAS*	*103*	*	†	*Robinson*
Newlin, John Ewart	*LAS*		*	†	*Robinson*
Newlin, Ralph Thomas	*Law*	*92*	*		*Robinson*
Newlin, Walter Allen	*Agr*	*73*	*	†	*Annapolis*
Newlin, Willard Bogue	*LAS*	*62*	*	†	*Indianapolis, Indiana*
Newsum, Noble	*SS*	*1½*			*Mt. Carmel*
Newton, Doris Charlotte	*HSAgr*	*33*	*	†	*Glen Ellyn*
Newton, Frank Wilson	*Agr*		*	†	*Urbana*
Newton, Helen Charlotte	*Mus*	*36*	*	†	*Fairfield*
Newton, Kelvin	*SS*	*5*			*Weir, Kansas*
Newton, Robert Keith	*EE*	*69½*	*	†	*Jerseyville*
Nichol, Edward Sterling	*LAS*	*106*	*	†	*Columbus, Ohio*
Nichol, George William	*Com*	*100*	*	†	*Anderson, Indiana*
Nichol, Ross	*SS*	*8*			*Barry*
Nichols, Charles Henry	*Agr*	*36*	*	†	*Hebron*
Nichols, Charles William	*MdP*		*		*Fairfield*

Nichols, Clayton Schirm	*Arch*		*	†	*Omaha, Nebraska*
Nichols, Genevieve Beeler	*HSLAS*		*	†	*Danville*
Nichols, Herbert Luthy	*Chem*	*21*	*		*Washington, D.C.*
Nichols, Hilton C	*Agr*	*28*	*	†	*Momence*
Nichols, Josephine Marie	*LAS*	*100*	*	†	*Dixon*
Nichols, Roscoe Christian	*LAS*		*	†	*Fairfield*
Nichols, Sidney Warren	*Com*		*	†	*Des Moines, Iowa*
Nickell, Harry Brock	*Com sp*		*	†	*Fairfield*
Nickels, Arnold Carl	*LAS*	*34*	*	†	*Watertown, Wisconsin*
Nickolls, Cecil Richard	*SS*	*130½*			*Stark*
Niebergall, Philip Alfred	*Com*	*33*	*	†	*New Orleans, Louisiana*
Niehaus, John Mark, Jr.	*LAS*		*	†	*Peoria*
Nieman, Earl	*EE*		*	†	*Winchester*
Nightingale, Eugene Richard	*EE*	*50*	*	†	*Champaign*
Nixon, Eugene White	*SS*				*Marissa*
Nixson, Walter Henry	*CE*		*	†	*Beardstown*
Noble, Merle Emmett	*LAS*	*30*	*	†	*Crawfordsville, Indiana*
Noel, Elsie Mae	*LAS*	*36*	*	†	*Saunemin*
Nogle, Claude Emil	*Agr sp*	*17*	*	†	*Champaign*
Nolan, John Timothy	*CE*	*78*	*	†	*Gilbert, Minnesota*
Nolen, Harry Fern	*ME*		*	†	*Danville*
Noone, Byron Mortime	*MdP*	*59*	*	†	*Haworth, New Jersey*
Norlin, Fred Christian	*CE*	*126*	*	†	*Chicago*
Norling, Albert Emanuel	*AE*	*30*	*	†	*Aurora*
Norman, Louise Elizabeth	*HSLAS (SS)*		*	†	*Champaign*
Norman, Milton Eugene	*CE*	*36*	*	†	*Chicago*
Norman, Willard Alfred	*Agr*	*18*	*	†	*Chicago*
Norris, Dwight Reed	*CE*	*107*	*	†	*Newman*
North, Alma Marie	*Com*			†	*Rockford*
North, Page Lane	*Agr*	*55*	*	†	*Chicago*
North, Paul Gordon	*Agr*		*		*El Paso*
Norton, Arty Everett	*Agr*	*29*	*		*Alto Pass*
Norton, Eathon Arlo	*Agr*	*33*	*	†	*Bloomington*
Norviel, Herald Bernard	*Med*	*66*	*	†	*Urbana*
Nott, Edson Lowell	*Agr*	*60*	*	†	*Byron*
Novak, Joseph Frank	*CE*		*	†	*Chicago*
Nowlen, Gladys Louise	*SS*	*48*			*Morrison*
Noyes, William Albert, Jr.	*LAS*	*66*	*	†	*Urbana*
Nugent, Julia Anne	*SS*	*8*			*Buffalo*
Null, Miriam Ellen	*HSLAS*	*32*	*	†	*Colchester*
Nusbaum, Emil Justice	*EE*	*36*	*	†	*Strector*
Nutt, Bertram Vera	*ME*		*	†	*Moline*
Nuttal, John Tilden	*SS*	*37*			*Flat Rock*
Nye, Anita	*LAS*		*	†	*Loda*
Oakes, Ella Baxter	*HSAgr*	*74*	†	*	*Laura*
Oakes, James Lowell	*LAS*	*½*	*	†	*Champaign*
Obermueller, Aurelia	*SS*	*7*			*Alton*
Oberne, George Stuble	*RME*	*61*	*	†	*Chicago*
Oblander, Helen Elizabeth	*HSLAS*	*25*	*	†	*Bushnell*
Ocheltree, Maurice Webster	*LAS (SS)*	*53*	*	†	*Homer*
Ochoa, Alfonso Vizcaino	*Arch*	*66½*	*	†	*Guadalajara, Mexico*
Ochoa, Jorge Vizcaino	*EE*	*17*	*	†	*Chicago*
Ochs, Chester Adam	*Com*	*95*	*	†	*Chicago*
O'Connor, Helen Crawford	*SS*	*6*			*Belvidere*
O'Connor, Martin Earl	*Law*		*	†	*Kewanee*
Odell, Arthur Allen, A.B., 1915	*LAS*		*		*Lakeside, California*
Odell, Laura A	*SS*	*16*			*Oakland*
Odenkirk, Zellie Coy	*EE*	*24½*	*	†	*Auburn, Indiana*
Ogden, Lynden	*SS*				*Lexington*
Ogg, John Hurley	*ME*	*73*	*	†	*Buffalo, New York*
Ohrman, Ruth Ingeborg	*LAS (SS)*	*30*	*	†	*Harvey*
Ohrum, Dwight Broadnax	*RCE*	*102*	*	†	*Indianapolis, Indiana*
O'Keefe, Walter Joseph	*LAS*		*	†	*Plymouth, Indiana*
Olander, Ernest Allen	*CE*	*139½*		†	*Topeka, Kansas*
Olazagsti, Tomas	*ChE (SS)*	*6*	*	†	*Porto Rico*
Olds, George Samuel	*Agr*		*	†	*LaGrange, Indiana*
Olesen, Alnea Carrie	*HSLAS*	*31*	*	†	*Highland Park*
Olesen, Harold Loeffel	*EE*	*71*	*	†	*Highland Park*
Olin, Irwin Blaine	*Com (SS)*	*90*	*	†	*Evanston*
Oliveras, Ovidio	*SS*	*114½*			*Chicago*
Olmstead, Roscoe Thomas	*Com*	*66*	*	†	*Catlin*
Olsen, Arthur Alexis	*Agr*	*113½*	*	†	*Newark*
Olson, Arthur Luther	*LAS*	*61½*	*	†	*Chicago*
Olson, Milton Ola	*SS*	*16*			*Monticello*
Olson, Oscar Helmer	*ME*		*	†	*Rockford*
Olson, Robert George	*ME*		*	†	*Sterling*
Omansky, Samuel	*Arch*		*	†	*Chicago*
Omeara, Allan Richard	*Com*	*106*	*	†	*Chicago*
O'Neall, Richard Read	*CE*	*30*	*	†	*Washington, Indiana*
O'Neil, William George	*AE*	*36½*	*	†	*Faribault, Minnesota*
O'Neill, Lucy Leona	*SS*				*Kankakee*
Onstad, Ralph Mangus	*Arch*		*	†	*Green Bay, Wisconsin*
Oppfelt, Glenn Alfred	*CerE*	*1*	*	†	*Aurora*
Orland, Fred William	*Agr*	*33*	*	†	*Murphysboro*
Orr, Harold James	*LAS*		*	†	*Texarkana, Texas*

Orvis, Caroline A.B. (*Yankton Coll.*) 1910	*Lib*		*	†	*Yankton, South Dakota*
Osborn, Deane Harold	*Com*	*31*	*	†	*Urbana*
Osborne, Clinton Milan	*SS*	*7½*			*Rockford*
Osburn, Mabel Thelma	*HSAgr*		*	†	*Robinson*
Osgood, Sewall Mason	*Com sp*		*	†	*Chicago*
Ostrom, Hallas Willard	*ChE*	*29*	*	†	*Chicago*
Otani, Kura	*LAS*		*	†	*Berkeley, California*
Ott, John Ekern	*ME*	*109½*	*	†	*Chicago*
Ott, Percy Wright	*MSE*	*115½*	*	†	*Mt. Hermon, Louisiana*
Otto, Gordon	*Agr*	*102½*	*	†	*Chicago*
Ousley, Glen Charles	*Agr*	*30*	*		*Paris*
Outland, Robert Marcus	*Agr*		*	†	*Indianapolis, Indiana*
Overbee, William Bryan	*EE*	*36*	*	†	*Fairfield*
Overend, Harrison George	*Arch*	*125½*	*	†	*Edelstein*
Overstreet, Ethel	*LAS*		*	†	*Orlando, Florida*
Overton, Ralph Marion	*ME*	*109*	*	†	*Winchester*
Owen, Harold Patterson	*CE (SS)*	*74*	*	†	*Chicago*
Owen, Hayward	*Com*		*	†	*Villa Grove*
Owen, Jane	*LAS*	*30*	*	†	*McHenry*
Owen, Stewart Douglas	*LAS*		*	†	*Louisville, Kentucky*
Oxman, John Murrell	*Agr*	*23*	*	†	*Lake Bluff*
Pack, Mary	*HSLAS*	*66*	*	†	*River Forest*
Paddock, Priscilla Barton	*LAS*		*	†	*Kankakee*
Paddock, Richard	*MdP (SS)*	*40*	*	†	*Terre Haute, Indiana*
Page, Harold Meredith	*LAS (SS)*	*93*	*	†	*Keota, Iowa*
Page, Ralph Augustus	*Agr sp*		*	†	*McLeansboro*
Pagin, Bernard Lewis	*ME*		*	†	*LaGrange*
Pahl, Margaret Christina	*HSLAS*		*	†	*Clinton, Iowa*
Painter, George Bandy	*LAS*	*6*	*		*Carrollton*
Painter, Merle Leo	*Com*		*	†	*Carrollton*
Paisley, Ada Mae, A.B., 1911	*SS*	*133*			*Champaign*
Paisley, Sela Isabel	*Mus*	*122*	*	†	*Urbana*
Paisley, Stella Elizabeth	*LAS*		*	†	*Urbana*
Palfrey, John Robert	*Agr*	*129½*	*	†	*Urbana*
Palmer, Anna Shattuck, M.L., 1895	*Mus*			†	*Urbana*
Palmer, Arthur Bowen	*CE*	*61*	*	†	*Mt. Pleasant, Iowa*
Palmer, Charles Shattuck	*Chem*	*104½*	*	†	*Urbana*
Palmer, Robert Carrell	*AE*	*33*	*	†	*Des Moines, Iowa*
Pancoast, Donald A	*ME*	*65*	*	†	*Champaign*
Pappmeier, Louis Stahl	*CE*	*37*	*	†	*Litchfield*
Park, Martha Ann	*HSLAS (SS)*	*26*	*	†	*St. Louis, Missouri*
Parker, Charles Grosvenor	*Arch*	*80½*	*	†	*Chicago*
Parker, Frances Miriam	*LAS*		*	†	*Mattoon*
Parker, Joel Weaver	*CE*	*74*	*	†	*Mattoon*
Parkes, Charles Holcombe	*LAS (SS)*	*28*	*	†	*Chicago*
Parkhurst, Marie Lanius	*Mus sp*		*	†	*York, Pennsylvania*
Parks, Catherine Elizabeth	*LAS*	*96*	*		*DuQuoin*
Parks, Frank Austin	*Com*	*69*	*		*Urbana*
Parks, Helen Gwendith	*Mus*		*	†	*Farmington*
Parks, Ralph Milton	*LAS*	*69*	*	†	*Urbana*
Parmely, Maurice Edmund	*Agr*	*33*	*	†	*Urbana*
Parr, Arthur Eldon	*Agr*	*73½*	*		*Newman*
Parr, Barney Felix	*SS*	*6*			*Union Star, Kentucky*
Parr, Harold Lucian	*CerE (SS)*	*87*	*	†	*Urbana*
Parry, John Jay, Ph.D.	*LAS*			†	*Urbana*
Pastel, Alfred Robert	*Arch*	*81*	*	†	*Chicago*
Patchill, Glenn Tilford	*Com*	*98*	*	†	*Coming, New York*
Patterson, Joseph Julian	*AE*	*127*		†	*Danville*
Patterson, Katharine	*SS*	*6*	*	†	*Atlanta*
Patterson, Nellie Rand	*HSLAS*	*116*		†	*Chicago*
Patterson, Ralph Lewis	*Agr*		*	†	*Eureka*
Pattison, Benjamin Purdy	*SS*				*Cari, Michigan*
Pattiz, Simon	*REE*		*	†	*East St. Louis*
Patton, Frederick William	*Agr*	*92*	*	†	*Montclair, New Jersey*
Patton, John V	*LAS*	*95½*	*	†	*Aberdeen, Mississippi*
Patton, Lee Moyer	*Agr*	*32*	*	†	*Bridgeport*
Patton, Richard Chalmers	*LAS*	*67*	*	†	*Atlanta*
Paul, Berenice Marie	*LAS*	*49*	*	†	*Chicago*
Paul, Frank Martyn	*ME (SS)*	*60*	*	†	*Kewanee*
Paul, Lauretta Grace	*SS*	*8⅓*			*Alton*
Paul, Mary Josephine	*LAS*	*15⅙*	*		*Jerseyville*
Paulson, Enoch Oliver	*Agr sp*			†	*Princeton*
Pavey, Charles Allen	*Com*	*40*	*	†	*Columbus, Ohio*
Pawson, John Thomas	*Com*	*31*	*	†	*Danville*
Payne, Hilderth Lacue	*LAS*				*Lexington*
Payton, Paul Leason	*Com*		*	†	*Taylorville*
Peadro, Benjamin Franklin	*Agr sp*		*	†	*Urbana*
Peadro, Eva McDonald	*Mus*			†	*Urbana*
Peale, Margaret	*HSLAS*	*63*	*	†	*Belvidere*
Pearce, Marvin James	*ChE*		*	†	*Johnson City,*
Pearce, Walter Harold	*Com*		*	†	*Rushville, Indiana*
Peare, William Payson	*ME*		*	†	*Pontiac*
Pearson, Francis H	*ME*	*72*	*	†	*Hinsdale*
Pearson, Homer Arnold	*EE*	*103*	*	†	*Thorntown, Indiana*
Pearson, Robert Miller	*ChE*	*21*	*	†	*Thorntown, Indiana*

Pease, David Ward	*ME*		*	†	*Chicago*
Pecchia, Victor Anthony	*CE*	132½	*	†	*Chicago*
Pechman, Henry Charles	*AE*	23	*	†	*Webster Groves, Missouri*
Peck, Frederick Albert, Jr.	*REE*	77	*	†	*Chicago*
Peck, Irving Kellogg	*MinE*	43	*	†	*Aurora*
Peck, Roy Lee	*CE*	130	*	†	*Oak Park*
Peddicord, Clotine Sellards.	*HSLAS*	17		†	*Champaign*
Pedler, Russell Henry	*ME*	115	*	†	*Chicago*
Peel, Jesse Aldred	*Agr sp*		*	†	*Taylorville*
Peirson, Mary Lucile	*HSLAS*	65	*	†	*Murphysboro*
Pell, Hazel Marie	*HSLAS (SS)*	69	*	†	*Urbana*
Peltz, Ralph Cheney	*LAS*		*	†	*Clinton*
Pelzer, Harry Louis	*LAS (SS)*	98	*	†	*Champaign*
Pendarvis, Harry Reed	*LAS*	153	*	†	*Chicago*
Pendergast, Emly Marie	*LAS*		*	†	*Champaign*
Pendergast, Mary Honora	*LAS*	60	*	†	*Champaign*
Penderagst, Nellie Marie	*Mus*		*	†	*Champaign*
Penhallow, Lambert Benjamin	*ME*	73	*	†	*Chicago*
Penn, Josephine Emily	*SS*	13½			*Springfield*
Penny, James Leonard	*Agr*	34	*	†	*Evanston*
Penny, Maud DeMaris	*LAS*		*	†	*Champaign*
Perbix, Harold Witte	*Agr*	60	*	†	*Markham*
Percival, Joseph W	*Agr*	53	*	†	*Champaign*
Percival, Lilley Ruth	*HSAgr*	63	*	†	*Urbana*
Percival, Stella Rebecca	*Mus (SS)*	110½	*	†	*Champaign*
Percival, William Frank	*Com*	25	*	†	*Champaign*
Percy, George Stanford	*ME*	33	*	†	*Chicago*
Perkins, Frances Janet	*LAS*	82½	*	†	*Laurel, Mississippi*
Perkins, Wayne Emerson	*LAS*		*	†	*Mendota*
Perlman, Samuel Charles	*LAS*	25	*	†	*Chicago*
Perry, Raymond Andress	*ME sp*		*	†	*Delaware, New Jersey*
Perry, Robert Ashman	*ME*	77	*	†	*Urbana*
Perry, Sherman	*SS*	8			*Mier, Indiana*
Peterman, George Raymond	*Com*		*	†	*Kankakee*
Peters, Helen Augusta	*LAS*		*		*Portland, Oregon*
Petersen, Frank Lindell	*Com*		*	†	*Oak Park*
Petersen, Marvic Hecht	*Agr (SS)*	59½	*	†	*Chicago*
Peterson, Chester Almon	*Agr*	104	*	†	*Galesburg*
Peterson, Franklin Merle	*Com*	31	*	†	*Brownstown*
Peterson, Fred Milton	*Com*		*	†	*North Crystal Lake*
Peterson, Irving Leonard	*Agr*	95	*	†	*DeKalb*
Peterson, James Andrew	*LAS*	33	*	†	*Chicago*
Peterson, Joel Asbury	*LAS*	61	*	†	*Urbana*
Peterson, Lawrence Eugene	*AE*	35	*	†	*Grand Rapids, Michigan*
Peterson, Lester Carlisle	*ChE*		*	†	*Paxton*
Peterson, Mabel Elizabeth	*LAS*	30	*	†	*Maywood*
Peterson, Norman Hill	*Agr*		*	†	*Chicago*
Peterson, Reuben Walter	*Agr*	101	*	†	*Chicago*
Peterson, Richard Alvin	*CE*		*	†	*Chicago*
Peterson, Sidney LeRoy	*LAS*		*	†	*Chicago*
Peterson, Silas Carlisle	*Agr*	42	*	†	*Herscher*
Peterson, Timothy Edwin	*Agr*	94	*	†	*Mesa, Arizona*
Petesch, Edyth Marion	*LAS*	32	*	†	*McHenry*
Petesch, Germer	*LAS*	34	*	†	*McHenry*
Pethybridge, Frank Howard	*Agr*	98	*	†	*Chicago*
Petter, Stanley Dubois	*ME*	70	*	†	*Paducah, Kentucky*
Petty, Lawrence Otis	*Agr*	32	*	†	*Sumner*
Petty, Manley Ross	*Agr*	95	*	†	*Sumner*
Petty, Raymond Bradshaw	*Com sp*		*	†	*Peru, Indiana*
Petzing, Edwin Rudolph	*EE*	74	*	†	*Shumway*
Peyton, Eugene Harvey	*LAS*		*	†	*Homer*
Pfeffer, Louis Herman	*Agr*	129	*	†	*Lebanon*
Pfeffer, Mary Elizabeth	*Mus*		*	†	*Champaign*
Pfeiffer, Conrad Louis	*EE*	112	*	†	*Chicago*
Pfeiffer, Rudolf Salisbury	*ME*	112½	*	†	*Peoria*
Pfuderer, William Frederick	*LAS*		*	†	*Berwyn*
Phalen, Robert William	*Com*	65	*	†	*Evanston*
Phenicie, Hubert Ellsworth	*Agr*		*	†	*Manchester, Iowa*
Philbrick, Lois	*LAS*	98	*	†	*Champaign*
Phillips, Alice Emma	*HSLAS*	54	*		*Champaign*
Phillips, Andrew Sheldon	*Arch*		*		*Sullivan*
Phillips, Bernice Irene	*HSLAS*	85	*	†	*Bloomington*
Phillips, Eugene Martin, A.B., 1904	*Agr*		*	†	*Lena*
Phillips, Lemuel	*LAS (SS)*	30	*	†	*Mt. Vernon, Indiana*
Phillips, Minnie Alice	*LAS*	98	*	†	*Sullivan*
Phillips, Ruth	*HSLAS*	81	*	†	*E. Cleveland, Ohio*
Phillis, Louis Irving	*ME*	73	*	†	*Chicago*
Pickard, Dorothy Everett	*LAS*	60	*	†	*Maywood*
Pickard, Marion Frances	*LAS*	33	*	†	*Maywood*
Pickard, Violet Hunt	*LAS*		*	†	*Maywood*
Picker, Edna Odessa	*HSLAS*	32	*	†	*Assumption*
Pickett, Arthur William	*AE*	78	*	†	*Chicago*
Pieper, Arnold Christian	*EE*	36	*	†	*Chatham*
Pieper, John	*SS*				*Granite City*
Pierce, Benjamin Elmer	*CE*	112	*	†	*Genoa*

Pierce, Maurice	*Com*	*33*		†	*Gifford*
Pierce, Theodore	*Agr*		*	†	*Watseka*
Pierson, Charles Howard	*CE*	*51½*	*	†	*Zion City*
Pierson, Frank Harlan	*MSE*	*96½*	*	†	*Fairfield, Iowa*
Pierson, Raymond Henry	*ChE*	*36*	*	†	*Chatsworth*
Pike, Albert M	*Com*		*	†	*Aurora*
Pike, Donald Esterly	*ChE*			†	*Canton, Ohio*
Pilchard, Edwin Ivan	*Agr*	*93*	*	†	*Mansfield*
Pinheiro, Ruy	*REE*		*	†	*Brazil*
Pinkley, George Davison	*LAS*		*	†	*Gibson City*
Pinnell, Alma Jean	*HSAgr*		*	†	*Kansas*
Pinto, Deoclecis de Oliveira	*CE*		*	†	*Brazil*
Pipher, Willard Albertus	*LAS*		*	†	*Chicago*
Pires, Amy Mirth	*SS*	*8½*			*Jacksonville*
Pittard, Le Ware	*HSAgr*		*	†	*Winterville, Georgia*
Place, Dorothy Crouse	*LAS*		*	†	*Freeport*
Platt, Leslie Paine	*Com*		*	†	*Dubuque, Iowa*
Plessinger, Emerson	*EE*		*	†	*Anderson, Indiana*
Plummer, Allison Oliver	*SS*	*8½*			*St. Joseph*
Plymale, Betha	*SS*	*95⅔*			*Dunlcith, West Virginia*
Podlesak, Harry George	*ME*	*36*	*	†	*Chicago*
Poehlmann, Earl Franklin	*Agr*	*37*	*	†	*Morton Grove*
Poehlmann, Roland Morton	*Agr*	*5*	*	†	*Morton Grove*
Poehlmann, Walter Gustave	*Agr*	*34*	*	†	*Morton Grove*
Pohlmann, Edward Charles	*ME*	*65*	*	†	*Chicago*
Polk, Arthur Eugene	*CerE*	*42*	*	†	*Champaign*
Polk, Wesley William	*ME*	*95½*	*	†	*Champaign*
Polkowski, Anna	*LAS (SS)*	*39*	*	†	*Champaign*
Pollock, Leone Ruth	*SS*	*69*			*Polo*
Pool, Ernest Howard	*Law*	*169*	*	†	*Ottawa*
Poor, Leonard Sproule	*LAS (SS)*	*99*	*	†	*Streator*
Pope, Walter Scott	*SS*	*17*			*Berwyn*
Poppove, Racho Petroff	*EE*	*87*	*	†	*Selo Musina, Bulgaria*
Porter, Frederick Hale	*LAS*		*	†	*Burlington, Iowa*
Porter, Harry Hubert	*MinE*	*102*	*	†	*Gerlan*
Porter, Howard Hamilton	*Agr*		*	†	*Hume*
Porter, Margaret Lois	*LAS*	*3*	*	†	*Gladstone*
Porter, Nelson	*Com*		*		*Hume*
Porter, Richard Leonard Andrew	*LAS*		*	†	*Terre Haute, Indiana*
Porterfield, Hazel Ethel	*LAS.*		*		*Urbana*
Postel, Urban Stuart	*Com*	*100*	*	†	*Mascoutah*
Postle, George Richardson	*Arch*	*35*	*	†	*Elgin*
Postlewaite, Harriet Leotine	*HSAgr (SS)*	*86½*	*	†	*Urbana*
Poston, William Irvin	*Com*		*	†	*Crawfordsville, Indiana*
Potter, Beulah Adelia	*HSLAS*		*	†	*Indianapolis, Indiana*
Potter, Glenn Edward	*EE*	*108*	*	†	*Springfield*
Potter, Merwin William	*ChE*		*	†	*La Fox*
Potter, Phil Harry	*Agr*	*88*	*	†	*Chicago*
Potts, Albert Leroy	*LAS sp*		*	†	*Honey Bend*
Poulsen, Frank Edward	*LAS*			†	*Chicago*
Powell, Albert Lyle	*ME*	*69*	*	†	*Chicago*
Powell, Esther Acelia	*LAS*		*		*Freeport*
Powell, Henry Albert	*Agr (SS) sp*	*22½*	*		*Birmingham, Alabama*
Powell, John Henderson, Jr.	*LAS*		*	†	*Kansas City, Missouri*
Powell, William Jenifer	*EE*		*	†	*Chicago*
Powers, J Orin	*SS*	*134*			*Chebanse*
Powers, John Howard	*Com*	*99*	*	†	*Decatur*
Powers, Paul Haller	*CE*		*	†	*Decatur*
Powers, Ray Austin	*Agr*	*99*	*	†	*Joliet*
Prante, Beulah Wise	*LAS*	*33*	*	†	*Quincy*
Prather, Edward Merle	*Agr*		*	†	*Rossville*
Prather, William Henry	*Agr*		*	†	*Rossville*
Preble, Robert Curtis	*ME*	*38*	*	†	*Oak Park*
Preece, Rae	*LAS*		*	†	*Quincy*
Prehm, Edwin	*AE*		*	†	*Chicago*
Presson, Lola Iris	*HSAgr (SS)*	*116½*	*		*Champaign*
Pribble, Vernon Hole	*Com*		*	†	*Ridgefarm*
Price, Arthur Lowell	*Agr*	*63⅓*	*	†	*Decatur*
Price, Marion Erenay	*LAS*		*	†	*Oak Park*
Price, Melville Halsey	*Chem (SS)*	*99*	*	†	*Chicago*
Price, Miles Oscar	*Lib*	*21*	*		*Plymouth, Indiana*
Price, Raymond Lester	*EE*	*55*	*		*Rockford*
Prince, Ben James	*Agr*	*67*	*	†	*Lansing*
Pritchard, Elliott Alfred, Jr.	*Agr (SS)*	*31*	*	†	*Aurora*
Probst, Edward Eugene	*Arch*		*	†	*Chicago*
Probst, John Stanley	*Agr*		*	†	*Elkhart, Indiana*
Proelss, Otto	*ChE*	*34*	*	†	*Moundsville, West Virginia*
Proetz, Charles Henry	*ME*	*42*	*	†	*St. Louis, Missouri*
Prosser, John Aubrey	*EE*	*16*	*	†	*Evanston*
Pruitt, Francis James	*LAS*		*	†	*Chicago*
Przypyszuy, Casimir	*LAS*	*13*	*	†	*Chicago*
Pugh, Ada Roberta, A.B., 1915	*Agr*	*183⅓*	*	†	*Champaign*
Pugh, Cloyd	*LAS*		*	†	*Humrich*
Pulcipher, K DeWitt	*Com*	*65*	*	†	*Centralia*
Pulliam, Vernon Donald	*CE*		*	†	*Filhian*

Pulsipher, Betty Marie	*HSAgr*	*60*	*	†	*Elmwood*
Purcell, Bryant Franklin	*Agr*	*59½*	*	†	*Polo*
Purcell, William Thomas	*AE*	*112½*	*	†	*Chicago*
Purnell, Joseph Robert	*Agr*		*	†	*Oak Park*
Purnell, William Frank	*Agr*	*68*	*	†	*Muncie*
Pursell, James Roland	*EE*	*74*	*	†	*Chicago*
Pursell, Waldo Emerson	*Com*		*	†	*Champaign*
Putnam, Mary Heiskell	*HSLAS (SS)*	*20*	*	†	*Urbana*
Pyron, John Elder	*ChE*	*126*	*	†	*Chattanooga, Tennessee*
Quaid, Lloyd James	*ME*		*	†	*Downs*
Quandt, Coramae	*HSAgr (SS)*	*94*	*	†	*Urbana*
Quick, Harry	*CE*	*107*	*	†	*Tiskilwa*
Quinn, Florence Katherine	*Mus*	*68*	*	†	*LaFayette*
Raaberg, Ralph Skancke	*AE*	*102*	*	†	*Chicago*
Racheff, Ivan	*LAS*	*95½*	*		*Loreck, Bulgaria*
Radeke, Carl Henry	*ChE*		*	†	*Buckley*
Rafferty, Raymond C	*Agr*	*56*	*		*Canton*
Rafferty, Richard Alphonsus	*Agr*		*	†	*Chicago*
Rafinski, Clement Joseph	*Com*	*68½*	*	†	*Thomaston, Connecticut*
Rahn, Gertrude Augusta	*HSAgr*		*	†	*Thornton*
Rahn, Lester Addison	*Agr*	*65¼*	*	†	*Lanark*
Rahn, Rudolph	*ME*	*75*	*	†	*Thornton*
Raibourn, Paul Herbert	*EE*	*114*	*	†	*Eldorado*
Raines, Lester Courtney	*LAS (SS)*	*79*	*	†	*Urbana*
Rainwater, Russell	*LAS*		*	†	*New Canton*
Raithel, Kathryn Rose	*LAS*	*69*	*	†	*Chicago*
Ralston, Harriet Lucile A.B. (*Iowa Univ.*) 1916	*Lib*		*	†	*Pocahontas, Iowa*
Ralston, John Caldwell, Jr.	*Agr*		*	†	*Caledonia*
Ramey, Frank Willard	*Arch*	*63*	*	†	*Champaign*
Ramirez, William	*ME*	*29*		†	*Cabo Rojo, Porto Rico*
Ramm, Walter Ferdinand	*Chem*		*	†	*Chicago*
Ramsay, Allan Patton	*SS*				*Vincennes, Indiana*
Ramsay, Crawford John	*LAS (SS)*	*92*	*	†	*Olney*
Ramser, John Hubert	*ME*	*107*	*	†	*Alma*
Ramsey, Frank William	*Agr*		*	†	*Washburn*
Rand, Frank LeRoy	*SS*		*	†	*North Adams, Massachusetts*
Randall, Claude Hale	*ME*		*	†	*Bowen*
Randall, Earl Everett	*MdP*	*25½*	*	†	*Chicago*
Randall, Frank John	*Agr*	*62*	*	†	*Aurora*
Randall, Grace Louise	*LAS*	*95*	*	†	*Rogers Park, Chicago*
Randolph, Cora Creager	*LAS*	*95½*	*	†	*Kansas City, Missouri*
Randolph, Glenn Lake F	*EE*	*59*	*	†	*Trilla*
Randolph, John Wiloughey	*Agr*		*	†	*Onarga*
Randolph, Merle Seigel	*Agr*		*	†	*Covington, Indiana*
Rankin, Luro Jane	*LAS*	*62*	*	†	*Payson*
Rankin, Ralph Edward	*ME*		*		*Rio*
Ranney, George Henry	*Com*	*62*	*		*Chicago*
Ranney, Joel Alden	*Agr*	*90*	*	†	*Cazenovia*
Ranney, Maude Esteline	*SS*	*155*			*Little York*
Ranney, Nathan Charles	*Agr*	*68*	*	†	*Little York*
Ranney, Williard Parminter	*Agr*	*99*	*	†	*Cazenovia*
Ransford, Maurice Reuben	*Arch*	*35*	*	†	*Los Angeles, California*
Rantz, Francis Roger	*Agr*	*64*	*	†	*Waverly*
Rao, Dharwan Vijayahao	*Agr*	*67*	*	†	*Hospet, India*
Raphaelson, Sampson Miles	*LAS*	*93*	*	†	*Chicago*
Rapp, John Holly	*Law*	*28*	*	†	*Fairfield*
Rasmussen, Harold Eijner	*Com*	*34*	*	†	*Chicago*
Rastede, Fred	*Agr*		*		*Morrison*
Rathbun, Harry Rowland	*Agr*	*32*	*	†	*Glen Ellyn*
Rathbun, Hubert Honens	*Agr*	*95*	*	†	*Spring Valley*
Rathsack, Mary	*LAS*	*115*		†	*Greenview*
Raup, Philip Ward	*Com*		*	†	*Monroe Center*
Rauschkolb, Erma Marie	*LAS (SS)*	*7½*	*	†	*Belleville*
Ray, Earl Stanley	*ME*		*	†	*Cuba*
Ray, William Floyd	*Arch*		*	†	*Urbana*
Rayburn, Lee Paul, Jr.	*LAS*		*	†	*Champaign*
Rea, Doren Eugene	*Com*		*	†	*Avon*
Read, Everett Roland Eustice	*Agr*		*	†	*Galena*
Read, William Gordon	*Com*	*71*	*	†	*Bloomington*
Reader, Emma Grace	*LAS*	*76*		†	*Centralia*
Reagan, Maurice Edwin	*EE*	*107½*	*	†	*Canton*
Reagel, Fred Virgin	*Chem*	*89*	*	†	*Waverly*
Reardon, Victor Ambrose	*Agr*		*	†	*Joliet*
Record, Ella Marion	*LAS*	*50*	*	†	*Cambridge*
Records, Mary Melvina	*HSLAS (SS)*	*62*	*	†	*Peoria*
Reding, Ralph Spears	*Agr*	*52*	*		*Petersburg*
Reece, Cornelius Heermans	*LAS*			†	*Evanston*
Reece, Robert Howell	*ME*	*42½*	*	†	*Evanston*
Reed, Chester Otis, B.S., 1911	*SS*			†	*Pittsford, New York*
Reed, Cordelia	*LAS*		*	†	*Covington, Indiana*
Reed, Frederick James	*Agr (SS)*	*57*	*	†	*Volant, Pennsylvania*
Reed, Hazel Viola	*HSLAS (SS)*	*98*	*		*Urbana*
Reed, Leo Bracy	*Com*	*50*	*	†	*Eldorado*
Reed, Lula Alice	*SS*	*6*			*Benton*

Reed, Maurice Johnson	*MinE*	*111*	*	†	*Emerson*
Reed, Robert Wallace	*Agr*	*28*	*	†	*Warsaw*
Reed, Roy Ogle	*Agr*		*	†	*Washington, D. C.*
Reed, Sina M	*LAS*		*	†	*Danville*
Reeder, John Corwin	*LAS (SS)*	*108½*	*	†	*Arcola*
Rees, Charles Thomas	*Com*		*	†	*Bradford*
Recs, Myron Lester	*Agr*	*19*	*	†	*Rochester, Indiana*
Reese, Herbert Stockton	*SS*	*6½*	*	†	*Randolph, Nebraska*
Reese, Leal Wiley, A.B., 1916	*Law*		*	†	*Urbana*
Reese, Lucille Nancy	*HSAgr (SS)*	*67½*	*	†	*Urbana*
Reese, Raymond Leslie	*SS*	*98½*			*Jonesboro, Arkansas*
Reess, Stella Georgia	*HSLAS (SS)*	*46*	*		*St. Louis, Missouri*
Reeves, Dorothy Ellen	*Mus*		*	†	*Champaign*
Reeves, Hester Ruth	*HSAgr*		*	†	*Champaign*
Rehm, George Edward, Jr.	*Agr*	*44½*	*	†	*Chicago*
Rehnquist, Alf Christian	*CE*	*37*	*	†	*Chicago*
Rehnquist, Arvid Lawrence	*CE*		*	†	*Chicago*
Rehnquist, Ernest Ferdinand	*CE*	*107*	*	†	*Chicago*
Reichelderfer, Harry	*EE (SS)*	*72*	*	†	*Peoria*
Reichle, Richard Wendell	*Com sp*		*	†	*Beason*
Reichman, Elfricda	*SS*	*8½*			*Chicago*
Reichman, Ella Esther	*SS*	*8½*			*Chicago*
Reid, Emily Cleda	*LAS*	*22*	*	†	*Albion*
Reid, George Hostes	*Agr*	*66*	*	†	*Mt. Vernon*
Reid, Harold Speer	*Agr*	*62*	*	†	*St. Paul, Minnesota*
Reid, James Thomas	*Com*		*	†	*Sullivan, Indiana*
Reid, Stewart Franklin	*Com*	*31*	*	†	*Springfield*
Reilly, Walter Sheridan	*Arch*			†	*Danville*
Reineck, Robert Walter	*Chem*	*2*	*	†	*Chicago*
Reinel, Bert Edward	*LAS*	*75*	*	†	*Streator*
Reinhard, Otto Andrew George	*MdP*		*	†	*Cullom*
Reinhart, Oliver John	*Agr sp*		*	†	*Alhambra*
Reinke, Karl Louis	*EE*		*	†	*Chicago*
Reinsch, Bernhard Paul	*Arch*			†	*Muscatine, Iowa*
Reinwald, Frederick John	*EE*	*37*	*	†	*Carmi*
Reisner, Anna Catherine	*HSLAS*		*	†	*Sterling*
Reisz, Albert	*AE*	*67*	*	†	*Chicago*
Remley, Walter Brown	*Agr*	*35*	*	†	*Waynetown, Indiana*
Renner, Enos Henry, Jr.	*Agr*	*48*	*		*Urbana*
Renning, Albert Gordon	*Com*	*16*	*	†	*Highland Park*
Reno, Guy Benjamin, A.B., 1915	*Law*	*167*	*	†	*Browning*
Rentchler, Marion David	*Agr*	*9*	*	†	*Mt. Vernon*
Replinger, John Edward	*AE*	*35*	*	†	*Chicago*
Retherford, Miriam Browning	*HSLAS*	*53*	*	†	*Rushville, Indiana*
ReVeal, Ivan Lindsey	*ChE*	*45*	*	†	*Hoopeston*
Reynolds, Harry Allen	*ME*		*	†	*Chicago*
Rhoads, Marie Corzine	*LAS (SS)*	*64*	*	†	*Champaign*
Rhodes, Golda May	*HSLAS (SS)*	*31*	*	†	*Lovington*
Rhodes, Opal Terrissa	*HSLAS*	*32*	*	†	*Lovington*
Rhue, Lena Cecelia	*Com*	*39*	*	†	*Champaign*
Rhue, Perry Marion	*Com (SS)*	*71*	*	†	*Champaign*
Rice, Katherine Grace	*LAS*	*86*	*	†	*Philo*
Rice, Nathan Lyman	*Agr*	*31*	*	†	*Philo*
Rice, Warner Grenelle	*Chem*		*	†	*Aurora*
Richards, Gladys Ersel	*Mus*	*22*	*	†	*Champaign*
Richards, John Ott	*Agr*	*27½*	*	†	*Silvis*
Richards, Lester Amos	*LAS*		*	†	*Mt. Vernon*
Richards, Milton Clyde	*ME*		*	†	*Cleveland, Ohio*
Richards, Olive Arey	*HSAgr*	*60*	*	†	*St. Louis, Missouri*
Richardson, Dana Thurston	*Com*		*	†	*Maywood*
Richardson, Francis Edward	*Agr*	*56*	*	†	*Chicago Heights*
Richardson, Harvey Russell	*EE*	*108*	*	†	*Morristown, New York*
Richardson, Juanita, B.S., 1913	*SS*	*134*			*Danville*
Richardson, Wilder Avery	*Agr*		*	†	*Compton*
Richart, Berta Estella	*HSLAS*	*41*	*	†	*Urbana*
Richart, Blanche Belle	*LAS*	*81*	*	†	*Champaign*
Richmond, Jean Elnora	*HSLAS*	*47½*	*	†	*Waterman*
Richmond, Noble Leslie	*Com*	*26*	*		*Champaign*
Richmond, Warren McLellan	*Agr*	*104*	*	†	*Geneseo*
Richter, Gertrude Katherine	*Com*	*64½*	*	†	*Davenport, Iowa*
Rick, George D	*Agr*		*		*Morrison*
Ricker, Ethel, B.S., 1904	*Arch*		*	†	*Urbana*
Ricks, Juanita May	*Mus*	*16*	*	†	*Clinton*
Rideout, George Rawleigh	*Com*	*24*	*	†	*Freeport*
Rider, Dean Loller	*MdP*		*	†	*Bushnell*
Rider, G Wellington	*EE*		*	†	*Elgin*
Rider, George Clinton, Jr.	*Agr*		*	†	*Pekin*
Riedle, William Reid	*LAS*		*	†	*Chicago*
Riegel, Bertha Galatia	*Agr sp*	*39*	*	†	*Galatia*
Riess, Carl John	*MdP*		*	†	*Pontiac*
Rigg, Joseph Harold	*Agr*			†	*Golden Gate*
Riggs, Lee Roy	*Com*		*	†	*Champaign*
Rike, Ronald Van Atla	*Agr*	*35*	*	†	*LeRoy*
Rinaker, Clarissa, Ph.D., 1913	*LAS*			†	*Urbana*
Rinaker, Janet	*SS*	*130*			*Carlinville*

Rinaker, John Irving	*Agr (SS)*	*68*	*		*Springfield*
Rindesbacher, Emma Beatrice	*SS*	*8*			*Stockton*
Ringeisen, Hazel Novella	*LAS*	*33*	*	†	*Toledo, Ohio*
Rippey, Ollie Brown	*EE*		*	†	*Mt. Pleasant, Tennessee*
Ripple, Ruth Anna	*LAS*	*56*	*	†	*Chicago*
Rising, John David	*Com*	*31*	*	†	*Champaign*
Risley, Ralph Edwin	*ME*		*	†	*Decatur*
Risley, Walter John Jr.	*LAS*	*35*	*	†	*Decatur*
Risser, Constance Katherine	*LAS*	*33*	*	†	*Kankakee*
Risser, Walter Scott	*EE*	*86*	*	†	*Paris*
Rissinger, Arthur Joe	*MdP*	*33*	*	†	*Mason City*
Ritcher, George Clyde	*SS*	*7*			*Troy*
Ritcher, Henry Adelbert	*SS*	*32*			*Troy*
Ritt, Walter William Henry	*CE*	*44*	*	†	*Crystal Lake*
Rittenhouse, Donald Arter	*EE*	*5*	*	†	*Cairo*
Ritter, John Gilman	*AE*	*117*	*	†	*Chicago*
Ritter, Walter Theobald	*REE*	*83*	*	†	*Chicago*
Roach, Doris Eleanor	*SS*	*90*			*Decatur*
Roach, Emmet John	*ME*		*	†	*Chatsworth*
Roane, Theodore	*Chem*	*90*	*	†	*Chicago*
Robbins, Jessie Severns	*Mus*	*28*	*		*Mendon, Ohio*
Roberson, William Dwight	*MdP*		*	†	*Mattoon*
Roberson, Mary	*SS*				*Villa Ridge*
Roberts, Claude Morrill	*Com*	*68½*	*	†	*Decatur*
Roberts, Elmer Clifford	*Arch*	*36*	*	†	*Oak Park*
Roberts, Malcolm Douglas	*Agr*	*98*	*	†	*Flushing, New York*
Roberts, Lois Madeline	*SS*	*110⅙*			*Decatur*
Roberts, Mary Lovisa	*LAS (SS)*	*8*	*	†	*Homer*
Robertson, Arthur Beekman	*Agr*	*67*	*	†	*Petersburg*
Robertson, Charles Venable	*Agr*	*95*	*	†	*Carlinville*
Robertson, Edna Maude	*LAS*		*	†	*Champaign*
Robertson, Miriam Selina	*HSAgr*	*95*	*	†	*Champaign*
Robinson, Ethelyn Clyde	*HSLAS*	*69*	*	†	*LaSalle*
Robinson, Florence Elinor, A.B., 1913	*LAS*		*	†	*Urbana*
Robinson, Harold Lynn	*LAS*	*31*	*	†	*Urbana*
Robinson, Hobert Clay	*Agr*		*	†	*Kansas*
Robinson, Hugh Dean	*LAS*	*66*	*	†	*Harvey*
Robinson, Mary Katherine	*LAS*		*	†	*Bloomington*
Robinson, Myra	*HSLAS*	*24*	*	†	*Kansas*
Robinson, Robert Johnson	*LAS (SS)*	*35⅓*	*	†	*Gilman*
Robinson, Ruth Love	*SS*	*132*			*Edwardsville*
Robinson, Warren Isaac	*Agr*	*102*	*	†	*LaSalle*
Robison, Edna Lena	*SS*	*9½*			*Pittsfield*
Rock, Lewis Burnham	*Agr*		*	†	*Chicago*
Rockey, Paul Thomas	*AE*	*103½*	*	†	*Freeport*
Rodgers, Clark Lemmen	*Com*		*	†	*Alton*
Rodrigues, Antonio	*CE*	*92½*	*	†	*Cuba*
Roe, Edar Bertram	*Agr*	*66*	*	†	*Nevada, Missouri*
Roesner, Hedwig Elizabeth	*Mus (SS)*	*153*	*	†	*Moline*
Rogers, Elsie Marie	*HSLAS*	*97*	*	†	*Havana*
Rogers, George	*SS*				*Pana*
Rogers, Henry Sheldon	*Agr*	*102*	*	†	*Marengo*
Rogers, Roger Monroe	*Agr sp*		*	†	*Detroit, Michigan*
Rogers, Verne E	*SS*				
Rohe, Walter Henry	*Com*		*	†	*Kansas City, Kansas*
Rohrbough, Elsie Gwendolyne	*LAS*	*31*	*	†	*Kinmundy*
Rohrer, Frank Philip	*LAS*	*121*	*		*Gilman*
Rollins, Neta	*LAS*	*58*	*	†	*Paxton*
Romano, Michael Angelo	*LAS*		*	†	*Chicago*
Romansoff, John	*Agr sp*		*		*Rozhdestveno, Russia*
Rombauer, Sophie Marie	*Agr*		*		*St. Louis, Missouri*
Romciser, Alvin	*Com*	*52*	*	†	*Belleville*
Romero, Newman	*LAS*	*85*	*	†	*Valparaiso, Chile*
Romig, Jesse Arnold	*EE*	*56*	*	†	*Champaign*
Romig, Lieuellen Dewight	*EE*		*	†	*Champaign*
Rompel, Ruth Edith	*LAS*	*64*	*	†	*Champaign*
Ronalds, Francis Spring	*LAS*	*5*	*	†	*Carmi*
Roos, Edwin George	*Com*	*102*	*	†	*St. Louis, Missouri*
Root, Hollis Reed	*Com*	*32*	*	†	*Chicago*
Root, Russell William	*LAS*		*	†	*Morris*
Rooth, James	*CE*	*48*	*		*Joy*
Rorig, Ruth Elizabeth	*HSAgr*		*	†	*Elgin*
Roscoe, George Howard	*Agr*	*111*	*	†	*Blue Island*
Rose, Ethel Maye	*HSLAS*	*60*	*	†	*Bement*
Rose, Mansfield Philip	*EE*	*64*	*	†	*Chicago*
Rose, William H., Jr.	*SS*				*Chester, Massachusetts*
Rosecrans, Crandall Zachariah	*ME*	*35*	*	†	*Champaign*
Rosen, John	*Agr*		*	†	*Chicago*
Rosenberg, Emanuel	*LAS*			†	*Decatur*
Rosenberg, Herbert Bernard	*SS*	*123*			*Granite City*
Rosenberg, William Harry	*MdP*		*	†	*Chicago*
Rosenberry, Ethel	*SS*	*6*			*Phoenix, Arizona*
Rosenblum, Bernice	*Mus*		*	†	*Waukegan*
Rosenstone, Edwin Arthur	*LAS*		*	†	*Cambridge*
Ross, Harry Albert	*Agr*	*101*	*	†	*Champaign*

Ross, Nelda Glendora	*HSAgr*	*68*	*	†	*Easton*
Ross, Walter Leland	*LAS*	*5*	*		*Ft. Worth, Texas*
Rost, Theodore August	*MdP*	*30*	*	†	*Petersburg*
Rotramel, Everett Roy	*Agr*	*29*	*	†	*Benton*
Rouch, Samuel Earl	*SS*				*Kewanna, Indiana*
Rourke, Margaret Elizabeth	*LAS (SS)*	*27½*	*	†	*Springfield*
Rowan, Henry Eward	*LAS sp*			†	*Champaign*
Rowe, Charles Barr	*Arch*	*99*	*	†	*Chicago*
Rowe, Jack LeRoy	*EE (SS)*	*59*	*	†	*Chicago*
Rowe, James	*ME*	*107*	*	†	*Three Rivers, Michigan*
Rowland, Mrs. Floyd E	*SS*				*Lock, Washington*
Roy, Frank Winston	*EE*	*19½*	*		*Danville*
Ruedi, Charles Henry	*Com (SS)*	*95*	*	†	*St. Louis, Missouri*
Ruedy, Robert John	*REE*		*	†	*Mendota*
Ruffner, Rachel	*HSAgr*	*63*	*	†	*Marshall*
Ruhnka, Roy	*Arch*	*25*	*	†	*Pierce, Nebraska*
Rumely, Mark Anthony	*ME*		*	†	*Sycamore*
Rummel, Evelyn Agnes	*LAS*		*	†	*Emden*
Rumsey, Lois	*LAS*	*76*	*	†	*Muscatine, Iowa*
Rundle, W B	*Agr*	*104*	*	†	*Clinton*
Rundles, Charles Morton	*SS*	*130*			*Huntertown, Indiana*
Rundquist, Elmer Theo	*Agr*	*69*	*	†	*Harvey*
Runneberg, Elton Cromwell	*Agr*	*104*	*	†	*Crosby, Texas*
Runyan, Walter LeRoy, D.B. (*Univ. of Chicago*) 1907	*Lib*		*		*Chicago*
Ruppel, Paul Earl	*ME*	*10⅔*	*		*Beardstown*
Rush, Charles Wesley	*SS*	*5½*			*Greensboro, Alabama*
Rush, Clara Lillian	*Mus*			†	*Pittsfield*
Rush, Paul White	*MdP*	*72*	*	†	*Pittsfield*
Russell, Charles Chauncey	*ChE*	*5*	*	†	*Joliet*
Russell, Charles Clifton	*Agr*	*33*	*	†	*Urbana*
Russell, Edwin Avery	*CE*	*73*	*	†	*Buffalo, New York*
Russell, Frances Harriett	*HSAgr (SS)*	*29*	*	†	*South Pekin*
Russell, Mary Dunlap	*HSLAS*		*	†	*St. Louis, Missouri*
Russell, Virginia Elizabeth	*LAS*		*	†	*Champaign*
Russett, Jasper P	*Arch*	*133*		†	*Cedar Rapids, Iowa*
Russinoff, Evan Paul	*LAS*	*36*	*		*Tirnvoo, Bulgaria*
Russo, William Joseph	*Agr*	*27*	*	†	*Chicago*
Rust, Louis Ernest	*Agr*		*	†	*Sibley*
Rusy, Ben Franklin	*Agr (SS)*	*115½*	*		*Chicago*
Rutherford, Elizabeth Jane	*SS*	*7*			*Oakland*
Rutherford, Florence	*LAS (SS)*	*99*	*	†	*Newman*
Rutledge, James Hirst	*MdP*		*	†	*Champaign*
Rutledge, Margaret Emma	*HSLAS*		*	†	*Champaign*
Ryan, Benjamin Harold	*Com*	*26*	*	†	*East Moline*
Ryan, Charlotte, A.B. (*Univ. of Texas*) 1910	*Lib*		*	†	*San Antonio, Texas*
Ryan, Howard Robert	*EE*	*34*	*	†	*Elgin*
Ryan, Walter Richard	*LAS*	*68*			*St. Louis, Missouri*
Ryder, Bruce Ivan	*MdP*	*32*	*	†	*Bradford*
Ryder, Earl	*EE*	*10*	*	†	*Springfield*
Ryder, Horace Alonzo Lewis	*EE*	*64*	*	†	*Baker, Oregon*
Sabin, Albert Robbins	*Agr*	*15*	*	†	*Chicago*
Sabin, Mrs. Helen Mackey	*HSAgr*	*65¼*	*	†	*Fredonia, New York*
Sackett, Fred Ward	*LAS*	*33*	*	†	*Danville*
Sacksteder, Frederick Herman	*ChE*		*	†	*Downers Grove*
Sachsteder, Stephen Staley	*Agr sp*		*	†	*Downers Grove*
Saelhof, Clarence Charles	*MdP*	*35*	*	†	*Austin, Chicago*
Saffell, Gladys Deforest	*LAS*	*118*	*	†	*Urbana*
Sagar, Anna Ellen	*LAS*	*102*	*	†	*Belvidere*
Sahud, William Harry	*LAS*		*	†	*Chicago*
Sailer, Frank	*Agr*	*68*	*	†	*Chicago*
St. Cardosi, Chris Victor	*LAS*		*	†	*Canton*
Salisbury, Meta Emogene	*HSLAS (SS)*	*83*	*	†	*Urbana*
Salladin, George Edward, Jr.	*Com*	*70*	*	†	*Milford, Nebraska*
Saltiel, Thomas Paine	*Agr*		*		*Chicago*
Samelow, Louis	*Law*		*	†	*Chicago*
Samford, Dellos Frank	*SS*	*2*			*Fairfield*
Sampaio, Leite Jose de	*RCE*		*	†	*Brazil*
Samuels, Theresa Minna	*LAS*	*63*	*	†	*Chicago*
Sandehn, Casper William	*LAS*	*16½*	*	†	*Rockford*
Sanders, Ella Jane Pickles	*LAS (SS)*		*	†	*Anna*
Sanders, Paul Thomas	*Agr*		*	†	*Champaign*
Sanderson, Arthur Kingston	*ME*	*37*	*	†	*LaGrange*
Sandler, Edward Adolf	*LAS*	*30½*	*	†	*Cairo*
Sands, Lewis Morgan	*Com*		*	†	*Tolono*
Sandvold, Conrad Elmer	*Com*	*77*	*	†	*Moorhead, Iowa*
Sanford, Juanita Lorraine	*LAS*	*100¾*	*	†	*Lebanon, Indiana*
Sanford, Pearl Clayton	*SS*	*6½*			*Shelby, Michigan*
Santiago, Alfredo Viola	*AE*	*100½*	*	†	*Philippine Islands*
Sargent, Agnes Ruth, A.B. (*Univ. of California*) 1906	*Lib*		*	†	*Whittier, California*
Sargent, Charlene Marie	*LAS*		*	†	*Indianapolis, Indiana*
Sargent, Francelia Plumly	*Com*	*66*	*	†	*Indianapolis, Indiana*
Sargent, Frank Akin	*Agr*	*34*	*	†	*Ferris*

Sarven, James David	*MdP*		*	†	*St. Petersburg, Florida*
Sato, Kennosuke	*LAS*			†	*Nagoza, Japan*
Satterfield, Helen Charlotte	*LAS*	*58*	*	†	*Chicago*
Saucr, Earl Joseph	*MdP*		*	†	*Collinsville*
Savage, William Chauncey	*Agr*	*108*	*	†	*Frankfort, Michigan*
Savord, Katherine Ruth	*LAS*		*	†	*Sandusky, Ohio*
Sawyer, Gertrude	*Agr*	*69*	*	†	*Nirbome, Missouri*
Sawyer, Isaac Cornelius	*ChE*	*35*	*	†	*Springfield*
Sawyer, Ralph Warren	*Agr*		*	†	*Chicago*
Saxton, Charles Van Keuren	*AE*	*94*	*	†	*Pueblo, Colorado*
Sayles, Frank Wells	*Com*		*		*Glencoe*
Saylor, Harold Ellsworth	*Com*		*	†	*Des Moines, Iowa*
Scanlan, Chester Jerome	*ME*	*36*	*	†	*Bloomington*
Schaede, Emma Adeline	*Mus*		*	†	*Champaign*
Schaefer, Abby Conway	*HSLAS*	*37⅓*	*	†	*Richmond, Indiana*
Schaefer, Jesse Ovid	*SS*	*8*			*Paris*
Schaumberg, Edward George, Jr.	*Arch*	*118*	*	†	*St. Louis, Missouri*
Schance, Ellen Eliza	*SS*				*Paris*
Schecht, Max	*LAS*	*109*	*	†	*Brooklyn, New York*
Scheffer, Wilhelmina	*LAS*	*66*	*	†	*Atwood*
Scheib, Donald Drake	*Com*		*	†	*Urbana*
Schenck, Ralph Edwin	*Arch*	*76*	*	†	*Urbana*
Schenck ,Vernon Gates	*Com*	*36*	*	†	*Jamestown, New York*
Schernekan, William John	*LAS*	*48½*	*		*West Salem*
Schifflin, Arthur Kressler	*ME*	*66*	*	†	*Chicago*
Schissler, Paul John, Jr.	*SS*				*Hastings, Nebraska*
Schlacks, Henry Valentine	*EE (SS)*	*38*	*	†	*Chicago*
Schlader, Henry Mathias	*ChE*	*23½*	*		*Oak Park*
Schlager, Marie Phillis	*HSLAS*		*	†	*Elgin*
Schleifer, Ferdinand John	*Agr*	*100*	*	†	*Nashville*
Schlesselman, Louise Ida	*LAS*		*	†	*Lafayette, Indiana*
Schloss, Harold Julian	*Agr (SS)*	*30½*	*	†	*Terre Haute, Indiana*
Schloss, Philip	*SS*	*66*			*Terre Haute, Indiana*
Schmalmaack, Charles Louis	*EE*		*		*St. Louis, Missouri*
Schmeltzer, Chauncey Brockway	*CE*	*52*	*	†	*Manteno*
Schmidt, Francis Albert	*SS*	*1½*			*Arkansas City, Kansas*
Schmidt, Richard Wagner	*CE*	*35*	*	†	*Chicago*
Schmidt, Walter Eugene Starr	*Agr*		*	†	*Chicago*
Schmitt, Arthur Earl	*EE*		*	†	*Mt. Vernon*
Schmitz, Herbert John	*AE*			†	*Chicago*
Schneider, Arthur Charles	*CE*	*120*	*	†	*Galena*
Schneider, Delmont Joseph	*ME*	*38*	*	†	*St. Louis, Missouri*
Schneider, Hardy Richard	*ChE*		*	†	*East St. Louis*
Schneider, Nora Wilhelmine	*LAS*	*33*	*	†	*Urbana*
Schneider, William Henry	*Chem (SS)*	*64*	*	†	*Springfield*
Schnellbacher, Jacob Paul	*Com*	*34*	*	†	*Peoria*
Schoch, Arthur John	*EE*	*101*	*	†	*Tower Hill*
Schock, William Veirling	*Agr*		*	†	*Albion*
Schocker, Elsie Julia	*SS*				*Rock Island*
Schoembs, Frank Alvin	*Law*	*90*	*	†	*Cairo*
Schoene, Herbert Frank	*AE*	*96*	*	†	*Chicago*
Schoonmaker, Charles Coleman	*Com*		*		*Genoa*
Schott, John Theodore	*EE*		*	†	*Quincy*
Schrader, Carrie Mabel	*LAS*		*	†	*Bridgeport*
Schrader, Dayton Oscar	*LAS*		*	†	*Bridgeport*
Schrader, Frederick Ambrose	*LAS (SS)*			†	*Murphysboro*
Schreiber, Louis Henry	*Agr*	*68*	*	†	*Chicago*
Schreiner, Warren William	*Agr*	*25*	*	†	*River Forest*
Schrenk, Walter Theodore	*SS*	*8*			*Golconda*
Schriner, Emma Ellen	*SS*	*33*			*Peoria*
Schroeder, Arnold Henry	*Com*	*29½*	*	†	*Freelandville, Indiana*
Schroeder, Ralph Minson	*CE*	*1*	*	†	*Warrensburg*
Schroeder, Robert Henry	*MdP*	*32*	*	†	*Nashville*
Schroeppel, Harold Henry	*EE*	*108*	*	†	*Mt. Carroll*
Schroyer, Malcolm Edward	*LAS (SS)*	*37½*	*	†	*Pontiac*
Schuck, Arthur Frederick	*Com*	*27½*	*	†	*Washington, Indiana*
Schuh, Charles Redden	*Com*		*	†	*Cairo*
Schuler, Dement	*Com*	*57*	*	†	*Dixon*
Schuler, Kate	*SS*	*22½*			*Mound City*
Schultz, Clarence John	*Com*		*	†	*Chicago*
Schultz, Clarence William	*EE*	*36*	*	†	*Harvard*
Schultz, Louis William	*LAS*	*29*	*	†	*Oak Park*
Schulz, Frank J	*Com*	*68*	*	†	*Elmwood*
Schulz, John A	*Chem (SS)*	*105½*	*	†	*Elmwood*
Schumacher, Dixie Howard	*HSLAS*	*102*	*	†	*Rockport, Indiana*
Schumacher, Howard James	*MdP*	*30*	*		*Highland Park*
Schutt, Marjorie Laura	*Agr*		*	†	*Chicago*
Schwagmeyer, Ella	*LAS (SS)*	*77*	*	†	*Quincy*
Schwagmeyer, Emil Henry	*Com*	*33*	*	†	*Quincy*
Schwarz, John Earl	*AE*		*	†	*Storm Lake, Iowa*
Schweitzer, Benjamin Cccil	*Com*	*68*	*	†	*Mt. Carmel*
Schwing, Roy Rene	*LAS*	*33*	*	†	*Peoria*
Scohy, Will Joseph	*Agr*		*	†	*Okmulgee, Oklahoma*
Scott, Donald Headley	*CE*		*		*Pawnee*
Scott, Ella Grace	*SS*	*8*			*Newton*

Scott, Esther Selb	*LAS*	*33*	*	†	*Venice*
Scott, George Eugene	*AE*	*59*	*	†	*Chicago*
Scott, Gerald Russell	*Agr*	*101½*	*	†	*Chicago*
Scott, Gladys Russell	*HSLAS*	*32*	*	†	*Xenia, Ohio*
Scott, Lincoln Bain	*Agr sp*			†	*Boston, Massachusetts*
Scott, Lois Marie	*LAS*	*34*	*	†	*Mattoon*
Scott, Mary Stanhope	*SS*	*7*			*Lampasas, Texas*
Scott, Ralph A	*Agr*	*100*	*	†	*Rock Falls*
Scott, Robert Ashmore	*LAS*	*102*	*		*Paris*
Scott, Roy Sunderland	*SS*				*Spearfish, South Dakota*
Scott, Sidney Glenn	*Com*	*27*	*	†	*Champaign*
Scoville, John Allen	*CE*	*64*	*	†	*Peoria*
Scudamore, Robert	*LAS*	*28*	*	†	*Flora*
Searcy, Lynn Dooley	*LAS*		*	†	*Carlinville*
Searle, Truman Gorton	*LAS*	*60*	*	†	*Geneseo*
Searles, Donald Kenneth	*LAS*	*71*	*		*LaGrange*
Seavey, Harry Richmond	*EE*	*72*	*	†	*Momence*
Sedgley, Arols	*Arch*		*	†	*Omaha, Nebraska*
Seehausen Paul	*LAS (SS)*	*52*	*	†	*Chebanse*
Seeley, Bessie Louise	*SS*	*23½*			*Joliet*
Segur, John Bartlett	*Chem (SS)*	*33*	*		*Watseka*
Seibert, George Clement	*Arch*		*	†	*Altamont*
Seibert, Harold Stein	*EE*		*	†	*Mt. Carmel*
Seidel, Dorothy Katherine	*LAS*		*	†	*Kansas City, Missouri*
Seidel, Richard Theodore	*Agr*		*	†	*Chicago*
Siglinger, Frank Vernon	*LAS*		*	†	*Sterling*
Seiler, Erna	*LAS*	*16*	*	†	*Woodstock*
Sellmer, Helen Emma	*LAS*		*	†	*Moline*
Sellner, Edna	*LAS*	*95*	*	†	*Quincy*
Selzer, Louis Jacob	*Arch*	*73*	*	†	*Evansville, Indiana*
Sense, Mattie Alice	*HSAgr*	*103*	*	†	*Watseka*
Senseman, Harold Leonard	*AE (SS)*	*93*	*		*Monmouth*
Seubold, Heinrich John	*Agr*	*56*	*	†	*Huntingburg, Indiana*
Severance, Lyle Elwood, B.S., 1916	*SS*	*137*			*Lansing, Michigan*
Sewell, Augusta Fern	*Mus*		*	†	*Monticello*
Sexauer, James Monroe	*Agr*	*61*	*	†	*Belvidere*
Seymour, Arthur Romeyn	*Mus sp*		*	†	*Urbana*
Seyester, Lois Ferne	*LAS*	*35*	*	†	*Champaign*
Shackelford, Claude Leroy	*Com*		*		*Carrollton*
Shaddle, Lee Norton	*Agr*		*	†	*Area*
Shaddock, Rolla Edward	*Agr*	*48½*	*	†	*Macon*
Shade, Claude Cloide	*Agr*	*30*	*	†	*Montpelier, Indiana*
Shade, Dorothy	*LAS*		*	†	*Lexington*
Shade, Mary Marguerite	*LAS*		*	†	*Montpelier, Indiana*
Shaffer, Susan Kurzenknabe	*LAS*	*28*	*	†	*Chicago*
Shaffer, Whilhelmine	*HSAgr*	*32*	*	†	*Chicago*
Shaffner, Clara Irene	*LAS*	*28*	*	†	*St. Louis, Missouri*
Shale, Martin Asa	*SS*	*1¾*			*Watertown, South Dakota*
Shapiro, Ben	*Arch*		*	†	*St. Louis, Missouri*
Shapland, Fern Elizabeth Page	*HSLAS*	*64*	*	†	*Saunemin*
Shapley, Ralph	*Agr (SS)*	*59*	*	†	*Rockford*
Sharer, Donald David	*MSE*	*92½*	*	†	*Decatur*
Sharp, Bertha Lee, A.B., 1914	*Mus*		*	†	*Urbana*
Sharp, Ethel Ruth	*Com*	*12½*	*		*Urbana*
Sharp, James C	*Agr (SS)*	*102*	*	†	*Champaign*
Sharp, Mildred	*LAS*			†	*Mattoon*
Shaver, Elizabeth Fritzalen	*SS*	*13*			*Gibson City*
Shaw, Delia	*HSLAS*	*32*	*	†	*Rockport*
Shaw, Frederick Wood	*CE*	*108*	*	†	*Chicago*
Shaw, Hazel Elizabeth	*LAS*	*53*	*	†	*Rockford*
Shaw, Horace Bateman	*Agr*		*	†	*Montgomery, Alabama*
Shaw, Mary Louise	*HSLAS*	*26*	*	†	*Harrisburg*
Shaw, Wilfred	*Agr*	*29*	*	†	*Marshall*
Shay, Mary Lucille	*LAS*	*99*	*	†	*Decatur*
Shea, Earl Clifford	*Com*	*26*	*	†	*Lead, South Dakota*
Sheafe, Martha Lucile	*HSLAS*		*	†	*Ottumwa, Iowa*
Sheaff, Robert Phineas	*Agr*	*68*	*	†	*Holcomb*
Sheasby, Victor	*LAS*	*9*	*		*Chicago*
Shedden, Forest Robert	*EE*	*29*	*	†	*Elgin*
Shedden, James William	*CE*	*65*	*	†	*Chicago*
Sheeham, Edna Hesperea	*HSLAS*	*62*	*	†	*St. Joseph, Michigan*
Sheets, Alexander Mardis	*Arch*		*		*Princeton, Missouri*
Sheets, Haven McKendree	*Agr*	*98*	*	†	*Georgetown*
Sheffer, William Heber	*Agr*	*62*	*	†	*Auburn, Indiana*
Sheldon, Beulah Mulford	*LAS*	*35*	*	†	*Chicago*
Sheldon, Nelson Edward	*AE*	*72*	*	†	*Rockford*
Shellabarger, William Lincoln, Jr.	*Com*	*48*	*	†	*Decatur*
Shellhorn, Boyd Stanley	*LAS*	*30*		†	*Mt. Carmel*
Shellman, Elmer William	*Agr*		*	†	*Gibson City*
Shelton, Pearl Fairy	*Agr*		*	†	*Terre Haute, Indiana*
Shelton, Wilma Loy	*Lib*	*44*	*	†	*Terre Haute, Indiana*
Shepard, Lola Adeline, A.B. (*Lake Forest College*) 1902	*Lib*		*	†	*Wilmette*
Sheppard, Charles Howard	*CE*	*109*	*	†	*Edwardsville*
Sheppard, Leila Margaret	*Mus*		*	†	*Edwardsville*

Sheridan, Mary Beall	*LAS*	*98*	*	†	*Sullivan, Indiana*
Sherman, Caroline Elizabeth	*LAS*	*30*	*	†	*Vienna, Virginia*
Sherman, Leta Elmina	*LAS*	*33*	*	†	*Casey*
Sherrick, John Chauncey	*Arch*	*173*	*	†	*Monmouth*
Shewmon, Joe Allen	*Agr*	*64½*	*	†	*Oak Park*
Shields, Richard Michael	*EE*		*	†	*Chicago*
Shimer, Earl Lester	*LAS*	*36*	*	†	*Palestine*
Shing, Chi Ting	*RCE*	*93⅓*	*	†	*China*
Shipley, Burton Howard	*SS*	*6⅔*			*College Park, Maryland*
Shipley, Paul Donald	*Agr*	*20*	*		*Petersburg*
Shively, Jean	*HSLAS (SS)*	*47*	*	†	*Champaign*
Shlandeman, Harry Ricker	*CE*	*34*	*	†	*Pasadena, California*
Shomaker, Richard William	*Agr*	*76*	*		*Murphysboro*
Shonkwiler, Francis Lucian	*ME*	*72*	*	†	*Monticello*
Short, Paul Fletcher	*MdP*		*	†	*White Hall*
Shott, Ruth Elma	*HSLAS*	*103*	*	†	*Urbana*
Shrimplin, Pearl Marie	*LAS*		*	†	*Sheldon*
Shriver, Helen Elizabeth	*HSAgr*	*101*	*	†	*Champaign*
Shroyer, David Mirven	*Agr*	*59*	*	†	*Urbana*
Shrum, Edmund Jerome	*Agr*		*	†	*Valley City, North Dakota*
Shryock, Lyle William	*Agr*	*24*	*	†	*Canton*
Shup, Laurence Edgar	*LAS*	*66*	*	†	*Newton*
Shuping, Dan	*CE*	*32*	*		*Hillsboro*
Shy, Frank Spain	*Com*	*71*	*	†	*Olney*
Sideman, Benjamin	*CE*	*32*	*	†	*Chicago*
Siecke, Kurt Hugo	*ME*	*52⅓*	*	†	*Freeport*
Siegmund, Humphreys Oliver	*EE*	*115*	*	†	*St. Louis, Missouri*
Siegrist, Damon Carl	*Agr*	*59*	*	†	*San Jose*
Siemens, Anne Blanchard	*LAS*	*62*	*	†	*Kansas City, Missouri*
Sigfridson, Ebba Beatrice	*HSAgr*	*26*	*	†	*Geneva*
Signor, Nellie Marie	*Lib*	*57*	*	†	*Urbana*
Sills, Archie Lee	*AE*	*16*	*	†	*Palisades, Colorado*
Silver, Hazel Marguerite	*HSAgr*	*28*	*	†	*Urbana*
Silver, Mary Verna	*HSAgr*		*	†	*Urbana*
Silver, Milton Gans	*LAS*	*101*	*	†	*Champaign*
Silverman, Isadore	*Agr*	*84*	*	†	*Chicago*
Simmons, Elwyn Leroy	*AE*	*37*	*	†	*Oak Park*
Simmons, Haskell George	*EE*	*33*	*	†	*Avon*
Simms, Robert Chapman	*Agr*		*	†	*Chicago*
Simons, Lewis Eugene	*LAS*		*	†	*Chicago*
Simons, Rayna De Costa	*LAS*	*103⅓*	*		*Chicago*
Simpson, Earl Bruce	*Law*	*95*	*	†	*Eldorado*
Simpson, Irene Elizabeth	*LAS (SS)*	*43*	*	†	*Urbana*
Simpson, John Milton	*CE*	*85*	*	†	*Terre Haute, Indiana*
Simpson, Lawrence Packer	*LAS*	*49*	*	†	*Onawa, Iowa*
Simpson, Luther Franklin	*ME*	*108*	*	†	*Moweaqua*
Simpson, Nelle Lucile	*HSAgr*	*113*	*		*Macomb*
Simpson, Otis Earl	*Agr sp*		*	†	*Wahoo, Nebraska*
Simpson, Sebastian Solon	*SS*				*Pana*
Simpson, Thomas Moore	*Agr*	*95*	*	†	*Alexis*
Simpson, William George	*LAS*	*69*	*	†	*Dundee*
Singer, Aaron Ernest	*LAS*	*37½*	*	†	*Chicago*
Singh, Charn Jit	*EE*	*114*	*	†	*India*
Sipe, Raymond Erwin	*Agr*	*69*	*	†	*Rochelle*
Sistler, Rufus	*Law sp*	*14*	*	†	*Galconda*
Skaer, Edwin William	*SS*				*Belleville*
Skelly, Ernest James	*Com*	*2*	*	†	*Davenport, Iowa*
Skelton, Maurice Bradford	*MdP (SS)*	*29*	*		*Urbana*
Skelton, Winifred George	*LAS*	*29*	*	†	*Urbana*
Skemp, Edith Elizabeth	*LAS*		*	†	*Maywood*
Skinner, Bertram Eugene	*Agr*	*32*	*	†	*Chicago*
Skinner, Melvin Benjamin	*REE*	*33*	*	†	*Salem*
Skinner, Russell	*SS*	*7*			*Lexington*
Skoglund, Herbert LeRoy	*Agr*		*	†	*Red Wing, Minnesota*
Skoglund, Reuben Adolphus	*Agr*		*	†	*Red Wing, Minnesota*
Slack, William Silas	*EE*	*71*	*	†	*Salem*
Slade, Elizabeth Muriel	*HSLAS*	*19*	*	†	*Rockford*
Slade, Katherine Claire	*LAS*	*67*	*	†	*Rockford*
Sladek, George Edward	*CerE*	*106*	*	†	*Chicago*
Sladek, Robert Bohumil	*Agr*	*70*	*	†	*Cicero*
Slaght, Evert Leroy	*AE (SS)*	*20*	*	†	*Chicago Heights*
Slayton, Willis Francis	*Agr*	*84*	*	†	*Tulsa, Oklahoma*
Slick, Glen Falknor	*LAS*		*		*South Bend, Indiana*
Sloan, Amelia Marie	*HSAgr*	*98*	*	†	*Salt Lake City, Utah*
Sloan, Charles Harvey	*EE*		*		*Canton*
Sloan, Deena Agnes	*LAS*	*33*	*	†	*Urbana*
Sloan, Madeline Rebina	*Agr*	*32*	*	†	*Urbana*
Slocum, Russell Wade	*Agr*	*32*	*	†	*Chicago*
Smale, William Apsley	*Agr sp*		*	†	*San Diego, California*
Small, Bonny	*Agr sp*		*	†	*New York City, New York*
Small, Dee	*Agr*	*33*	*	†	*Galatia*
Small, Helen Dot	*LAS sp*		*	†	*Urbana*
Small, Tryphosa Eliza	*HSAgr*		*	†	*Urbana*
Smallwood, J P	*Com (SS)*	*99½*	*	†	*Decatur*
Smart, Ada Elmira	*LAS*	*23*	*		*Hinsdale*

Smart, Alfred	*MSE (SS)*	*77*	*	†	*Chicago*
Smart, Chauncey Harrison	*Agr*	*98*	*	†	*Hinsdale*
Smart, Ethelyn Marion	*LAS*	*29*	*	†	*Hinsdale*
Smetana, Robert Joseph	*AE*	*33*	*	†	*Chicago*
Smidl, Edward	*AE*	*110*	*	†	*Chicago*
Smiley, Arval Marion	*Agr*	*23*	*	†	*Tab, Indiana*
Smiley, Earl James	*CE*	*27*	*	†	*Elgin*
Smith, Annie May	*SS*	*6*			*Coats, Kansas*
Smith, Anson Nye	*Agr*		*	†	*Fitchburg, Massachusetts*
Smith, Bryan Arthur	*MdP*	*42*	*		*Sullivan*
Smith, B Howard, Jr.	*LAS*		*	†	*Kansas City, Missouri*
Smith, Clara Mabel	*SS*				*St. Clair, Michigan*
Smith, Clarence Walter	*LAS (SS)*	*92*	*	†	*Champaign*
Smith, Cloyde Moffat	*MSE*	*36*	*	†	*Champaign*
Smith, David Mervin	*Agr*	*31*	*	†	*Urbana*
Smith, Da Von	*EE*		*	†	*Urbana*
Smith, Edmund Joseph	*LAS*		*	†	*Chicago*
Smith, Elizabeth Maude	*SS*				*Princeton, Indiana*
Smith, Eunice Edwinia	*LAS*		*	†	*Chicago*
Smith, Everett William	*CerE*	*29*	*	†	*Geneva*
Smith, Fern Gladys	*LAS*	*16*	*	†	*Maywood*
Smith, Forest Henry	*EE*	*62*	*	†	*Libertyville*
Smith, Fred Ernest	*LAS*		*	†	*Urbana*
Smith, George Dewey	*EE*		*	†	*Rising Sun, Indiana*
Smith, George Edward	*Agr*	*28*	*	†	*Warrensburg*
Smith, George Leslie	*Agr*	*98*	*	†	*Geneseo*
Smith, Gladys Louise	*LAS*	*119*	*	†	*Rochelle*
Smith, Glenn Charles	*SS*				*Grundy Center, Iowa*
Smith, Glenn Collins	*Agr*	*100*	*		*Greenfield*
Smith, Hansel Young	*EE*		*		*Frankfort, Indiana*
Smith, Harold Wetmore	*Agr*		*	†	*Chicago*
Smith, Hawley Lester	*LAS*	*71½*		†	*Clifton*
Smith, Ida May	*SS*	*4*			*Freeport*
Smith, Isaac Wesley Kelly	*Agr*	*16*	*	†	*Carmi*
Smith, Jesse Carl	*ChE*		*		*Vandalia*
Smith, John Bradley	*Agr*		*		*Chicago*
Smith, John Wesley	*ME*	*106*	*	†	*Geneseo*
Smith, Joseph Edward	*ME*			†	*Chicago*
Smith, Kenneth Hamilton	*LAS (SS)*	*58½*	*	†	*Chicago*
Smith, Leonidas Logan	*Arch*	*63*	*	†	*Toledo*
Smith, Lois Loella	*Mus (SS)*	*33*	*	†	*Urbana*
Smith, Mabel	*Mus*	*102*	*	†	*Urbana*
Smith, Margaret Helen	*LAS*	*22*	*	†	*Elmwood*
Smith, Marian Kathryn	*Agr*	*32*	*	†	*Monticello*
Smith, Mary Parnell	*HSAgr*	*77*		†	*Cuba*
Smith, Oliver Francis	*LAS*	*16*	*	†	*Broadlands*
Smith, Oliver Russell	*Agr*		*	†	*Warren*
Smith, Opal Leona	*LAS*		*		*Metcalfe*
Smith, Orion Otis	*Com*	*6*	*	†	*Oakwood*
Smith, Orliff Elmer	*SS*	*7*			*Lane, Kansas*
Smith, Orrin Richard	*Com*	*8½*	*		*Plainfield*
Smith, Paul Curran	*Agr*		*	†	*Peoria*
Smith, Pearl Marie	*SS*	*8*			*Kirkwood*
Smith, Raymond Charles	*Agr*	*67*	*	†	*Amboy*
Smith, Robert James	*LAS*		*	†	*Hume*
Smith, Theodore Hammond	*SS*	*66*			*Godfrey*
Smith, Valda Eveline	*HSLAS*	*64*	*	†	*Geneseo*
Smith, William Howard	*Agr*		*	†	*Yorkville*
Smith, Wilson D	*Com*		*	†	*Geneseo*
Smithers, Perry Lafeyette, Jr	*Com*	*24*	*	†	*Wilmette*
Smohl, Barbara Belle	*LAS*	*106*	*	†	*Vandalia*
Smoot, William Everett	*Agr*	*98*	*	†	*Greenview*
Snell, Clarence Eastlake	*Com*	*64*	*	†	*Oak Park*
Snell, Harry Stirling	*Chem*	*68*	*	†	*Oak Park*
Snell, Lucille Helen	*SS*	*1½*			*Vandalia*
Snider, George Wilson	*Agr*	*37*	*		*Oklahoma*
Snodgrass, Joe Fifer	*SS*				*Janesville*
Snow, Ruth Lucille	*Mus*	*23*	*	†	*Elgin*
Snyder, Daniel Victor	*CE (SS)*	*39*	*	†	*Chicago*
Snyder, George David	*Com*	*50*	*	†	*Altoona, Pennsylvania*
Snyder, Harold Alvin	*EE*		*	†	*Freeport*
Snyder, Harold Vesey	*LAS*		*	†	*Rockford*
Snyder, Willard Ayres	*AE*		*	†	*Mt. Pulaski*
Sodaro, Joseph Clarence, Jr.	*MdP*	*31*	*	†	*Aurora*
Soderberg, Harry	*AE*	*77*	*	†	*Florence, Wisconsin*
Soenksen, Paul William	*Com*	*52*	*	†	*Harvey*
Somdal, Dewey Anderson	*Arch*		*	†	*Springfield*
Somers, Aloysius Joseph	*Agr*	*64*	*	†	*Kankakee*
Somers, Francis Patrick	*Chem*	*61½*	*	†	*Kankakee*
Somers, Paul Peter	*Chem*	*18*	*	†	*Kankakee*
Somers, Russell Ivan	*LAS*	*39½*	*	†	*St. Joseph*
Sommers, Ralph Mitchell	*Com*	*26½*	*	†	*Chicago*
Sonnemann, Alma Wilhelmine	*HSLAS*		*	†	*St. Louis, Missouri*
Sontag, Raymond John	*Com*		*	†	*Chicago*
Sortwell, Harold Haynes	*CerE*	*74*	*	†	*Indianapolis, Indiana*

Sotola, Jerry	*Agr*	*60*	*	†	*Chicago*
Southcomb, Leslie Spencer	*Com*	*28*	*	†	*Morris*
Soward, Zelda Elizabeth	*LAS*		*	†	*Fithian*
Sowers, Gordon Alfred	*Agr*	*84*	*	†	*Kingman, Indiana*
de Sowza, Jose Cuba	*RCE*	*33*	*	†	*Brazil*
Spaethe, Charles Alonzo	*EE*		*	†	*Columbus Junction, Iowa*
Spainhour, Alma Marie	*LAS*	*30*	*	†	*Clinton*
Spangler, Charles Foskey	*Com*	*89*	*	†	*Amboy*
Spangler, Rodney Eugene	*Agr*		*	†	*Amboy*
Sparks, Keith Emanuel	*LAS*	*35*	*	†	*Connersville, Indiana*
Sparks, Myrtle Eva	*SS*				*Champaign*
Spates, Gladys Mary	*HSLAS*	*24*	*	†	*Taylorville*
Spatny, Zdenka	*LAS*	*33*	*	†	*Chicago*
Spaulding, William Henry	*SS*	*6½*			*Melrose, Wisconsin*
Spear, Harry George	*SS*	*33*			*Rankin*
Spear, Helen Eudora	*LAS*	*58*	*	†	*Rockford*
Speegle, Uless Alfred	*ME*		*		*Eldorado*
Speer, Whitcomb Glenn	*SS*	*3*			**Holton, Kansas**
Speisman, Irvin Gabriel	*MdP*	*36*	*		*Chicago*
Spelce, John Edward	*LAS (SS) sp*	*30½*	*	†	*Sycamore*
Spence, Helen Baker	*SS*				*Milwaukee, Wisconsin*
Spencer, Mrs. Blanche Beebe	*LAS (SS)*	*33*	*	†	*Vandalia*
Spencer, Cynthia Eugenia	*LAS (SS)*	*95½*	*	†	*Champaign*
Spencer, John Ralph	*Agr*	*36*	*	†	*Geneseo*
Spencer, Nora Virginia	*Mus sp*		*	†	*Homer*
Spencer, Robinson, A.B. (*Wesleyan Univ.*) 1903	*Lib*		*	†	*Roswell, New Mexico*
Spencer, Stanley Fred	*Com sp*	*22*	*	†	*Urbana*
Spengler, Harold Carl	*ME*		*	†	*Rockford*
Sperry, Mabel Frances	*HSAgr*	*30*	*	†	*Urbana*
Sperry, Ralph Edward	*Com*	*70*	*	†	*Urbana*
Spicer, William Glenn	*EE*		*	†	*Marseilles*
Spiegler, Louis	*LAS*	*16*	*	†	*Chicago*
Spindler, Carl	*ME*		*	†	*Peoria*
Spindler, Walter Herbert	*CE*		*	†	*Peoria*
Spink, Frank Henry	*Chem*		*	†	*Chicago*
Spink, Phil Marion	*Com*	*69½*	*	†	*Chicago*
Spitz, Milton Joseph	*Chem*	*46⅓*	*	†	*Chicago*
Spofford, Franklin Dawson	*EE*		*	†	*Warren*
Spors, Albert Robert	*Com*		*	†	*Quincy*
Sprague, Cena Labina	*Lib*	*29*	*	†	*Grafton, North Dakota*
Sprague, George Chester	*Agr*	*39*	*	†	*Lockport*
Sprague, Norman Ellsworth	*CE*	*79*	*	†	*Evanston*
Sproull, Raymond Arthur	*LAS*	*96*	*	†	*Mazon*
Squier, Edward Gray, B.S. (*Iowa State College*) 1916	*Com*		*		*Grinnell, Iowa*
Squire, George Kasson	*ME*	*123*	*	†	*Rockford*
Stabler, Harold Robertson	*Com*		*	†	*Camp Point*
Stables, Floyd F	*SS*	*13*			*Lexington*
Stabo, Nils Eivind	*Com*			†	*Decorah, Iowa*
Stafford, Edward Emerson	*LAS*	*34*	*	†	*Alton*
Stahl, Chester Dewey	*EE*		*	†	*Tonkawa, Oklahoma*
Stall, Willis Preston	*Agr*	*100*	*	†	*Champaign*
Stallings, Eugene Michener	*ChE (SS)*	*36*	*	†	*Danville*
Stallings, Samuel Joseph	*Com*	*29*	*	†	*Amarillo, Texas*
Stambaugh, Vivian Guy	*Agr*	*145*	*	†	*Spokane, Washington*
Stamm, George Frederick	*Agr*		*	†	*Aurora*
Stamp, Fred Pfarr	*LAS*	*28*	*		*Wheeling, West Virginia*
Stangel, Adelaide Josephine	*LAS*	*23*	*	†	*Champaign*
Stangel, Victor	*Com*	*41*	*	†	*Champaign*
Stanley, Deane Field	*MdP*	*36*	*	†	*Urbana*
Stanley, Leon	*Agr*	*101*	*	†	*Downers Grove*
Stanley, Walter	*Com*	*67*		†	*Anderson, Indiana*
Stansfield, James Gillespie	*Agr*	*34*		†	*Lawrenceville*
Staples, John Forest	*Agr*	*67*	*	†	*South Bend, Indiana*
Stark, John Wayne	*Agr*	*33*	*	†	*Nebo*
Stark, Max William	*Com*		*	†	*Hume*
Stark, Robert Watts, B.S., 1895	*Agr (SS) sp*		*	†	*Urbana*
Starkel, Charles Leslie	*LAS*	*63*	*	†	*Belleville*
Starner, Verner	*LAS*	*134*	*		*Carlisle, Indiana*
Starr, Ethel May	*Mus sp*		*		*Champaign*
Starr, Sidney Keller	*Agr*		*	†	*Belvidere*
Starr, Stephen William	*LAS*		*	†	*Champaign*
Starrett, Robert George	*Com*	*14*		†	*Sheldon, Iowa*
States, Mary Louise	*LAS*	*48*		†	*Urbana*
Stayanoff, Nicholas Dimoff	*LAS*			†	*Varna, Bulgaria*
Stead, Charles Baldwin	*CE*	*8*	*	†	*Griggsville*
Stead, Rowland Wilson	*CE*	*35*	*	†	*Galva*
Steers, William Beeson	*CE*	*30*	*		*Metropolis*
Steidl, Irene Lucile, A.B. (*Univ. of Nebraska*) 1915	*Lib*		*	†	*Crete, Nebraska*
Stein, Bertha Marie	*HSLAS*	*70*	*	†	*Blue Island*
Steinberg, Naomi Annette	*LAS*		*	†	*Chicago*
Steinhauser, William August	*AE*		*	†	*Berwyn*
Steinhoff, Frederick Louis	*CerE*	*107*	*	†	*Chicago*
Stejskal, Marie Antoinette	*LAS*	*33*	*	†	*Chicago*

Stephens, Ethel Gertrude	*LAS (SS)*	*109½*	*	†	*Murphysboro*
Stephens, Hazel Margaret	*HSAgr*	*33*	*	†	*Champaign*
Stephens, William	*EE*	*62*	*		*Champaign*
Stephenson, Juanita Alice	*SS*	*28*			*Sparta*
Sternaman, Edward Carl	*ME*	*36*	*	†	*Springfield*
Steuart, Edward Paul	*LAS*	*48*	*	†	*Harvey*
Stevens, Harry Howard	*Com*		*		*Mazon*
Stevens, Helen Ford	*LAS*		*	†	*Oglesby*
Stevens, John Grier	*ME*	*31*	*	†	*Chicago*
Stevens, Joseph Hammond	*Com*	*34*	*	†	*Chicago*
Stevens, Marie Felicia	*LAS*	*67*	*	†	*St. Louis, Missouri*
Stevens, Richard William	*Agr (SS)*	*114½*	*	†	*Joliet*
Stevens, Robert Gardiner	*EE*	*67*	*	†	*Chicago*
Stevens, Roger Greenleaf	*LAS*		*	†	*Chicago*
Stevens, Vernon Thompson, A.B., 1915	*Law*	*184*	*	†	*Corpus Christi, Texas*
Stevens, Wayne McKenzie	*Agr*	*113*	*	†	*Taylorville*
Stevenson, Ailsie Miller	*HSAgr*	*99*	*	†	*Peoria*
Stevenson, Dorothy	*HSAgr*	*96*	*	†	*Gilman*
Stevenson, Edward Hiel	*Agr*	*69*	*	†	*Elvaston*
Stevenson, Elmira Comfort	*HSAgr*	*30*	*	†	*Streator*
Steuernagel, Bella	*SS*				*Belleville*
Stewart, Beulah Louise	*LAS*		*	†	*Freeport*
Stewart, Carl Russell	*Agr*	*159*	*	†	*Monmouth*
Stewart, Edward Mason	*AE*		*	†	*Kansas City, Missouri*
Stewart, Frank	*SS*	*7*			*Nashville*
Stewart, Frank	*LAS*	*92*	*	†	*Denver, Colorado*
Stewart, Frank Samuel	*Agr*	*164*	*	†	*Monmouth*
Stewart, John Wilson	*SS*	*1⅙*			*Sioux Falls, South Dakota*
Stewart, Melville Boicourt	*MinE*	*141*	*		*Metropolis*
Stewart, Mrs. Ruth A.B. (*Illinois Woman's College*) 1916	*HSLAS*			†	*Urbana*
Stewart, William Ellis	*Com*			†	*Columbus, Indiana*
Stice, Ostin Angus	*Agr*	*33*	*	†	*Waverly*
Stidham, Melissa Geneva	*Agr sp*	*28*	*	†	*Mahomet*
Stiegemeyer, Clara Marie	*SS*	*53½*			*St. Louis, Missouri*
Stienecker, John Alvin	*SS*	*9⅝*			*Chicago*
Stiff, Ethel	*LAS (SS)*	*76½*	*	†	*Harrisburg*
Stigall, Bennett Merriman	*SS*				*Stewartsville, Missouri*
Stillwell, Genevieve Maud	*HSAgr (SS)*	*78½*	*	†	*Urbana*
Stillwell, Helen	*LAS (SS)*	*72*	*	†	*Urbana*
Stiritz, Benjamin Andrew	*Agr*	*68*	*	†	*Murphysboro*
Stockdale, Thomas Elmer	*CE*	*111*	*	†	*Grand View, Idaho*
Stockenberg, Ruben	*ME*	*40*	*	†	*Rockford*
Stoddard, George Wellington	*AE*	*103*	*	†	*Milwaukee, Wisconsin*
Stoddard, John Colby	*SS*	*8*			*Atkinson*
Stoevener, Petronilla Gertrude	*LAS*		*	†	*Raymond*
Stokes, John Edward A.B., (*West Maryland Coll.*) 1913	*SS*				*Firstburg, Maryland*
Stoltey, Benjamin Franklin	*LAS (SS) sp*	*6½*	*	†	*Champaign*
Stoltey, Ethel Lynette	*HSLAS (SS)*	*67*	*	†	*Urbana*
Stoltey, Marjorie Zell	*SS*	*5*			*Champaign*
Stone, Charles Arthur	*CerE*	*108*	*	†	*Chicago*
Stone, George William	*Agr*	*23*	*	†	*Potomac*
Stone, William Samuel	*LAS*	*42*	*	†	*Villa Ridge*
Storer, Esther Susie	*LAS*	*73*	*	†	*Centralia*
Storer, Walter Henry	*LAS*	*32½*	*	†	*Centralia*
Storm, Mabel Fern	*LAS*	*56*	*	†	*Morrisonville*
Story, Jessie Gertrude	*LAS*	*57½*	*	†	*Nebraska*
Story, William Murray	*AE*		*	†	*Charlton, Iowa*
Stouffer, Earl Walter	*Agr*		*	†	*Hampton, Iowa*
Stouffer, Ernest Lawrence	*Arch*	*72*	*	†	*Decatur*
Stout, Mrs. J E	*SS*	*1*			*Preemption*
Stout, Samuel	*MdP*		*	†	*Mahomet*
Stoutenborough, George	*LAS*	*35*	*	†	*Maroa*
Stoutzenberg, Florence Thomas	*HSAgr*	*114*	*		*Greenville*
Stover, Earl Bertram	*REE*	*60*	*	†	*Oak Park*
Stoyanoff, Nicola D	*LAS*		*		*Granite City*
Straight, Leta Lenore	*LAS*		*	†	*Fonda, Iowa*
Straight, Merton Taunor	*Agr*	*75*	*	†	*Fonda, Iowa*
Strain, Robert Mulford	*LAS*		*	†	*Mulberry Gorve*
Strane, Archie Abir	*ME*	*32½*	*	†	*Marion, Iowa*
Strathern, N Grant	*LAS*	*69*	*	†	*Springfield*
Stratton, Grace Bruce	*LAS*	*96*	*	†	*Chattanooga, Tennessee*
Straub, Ernest Joseph	*CE*			†	*Kansas City, Missouri*
Straub, Fred Guy	*LAS*		*	†	*Chicago*
Straub, Joseph Valentine, Jr.	*Agr*		*	†	*Kansas City, Missouri*
Straub, Walter Fred	*Chem*	*62*	*	†	*Chicago*
Strauch, Donald Jay	*RCE (SS)*	*102*	*	†	*Peoria*
Straus, Martin Louis	*LAS*		*	†	*St. Louis, Missouri*
Strauss, Daniel Arden	*Com*		*	†	*North Manchester, Indiana*
Strawbridge, Ewart	*Com*		*	†	*Chicago*
Strawn, Paul	*Agr*	*15*	*		*Jacksonville*
Strawn, Robert Emerson	*Agr sp*	*26*	*		*Pleasant Plains*
Streed, Felix Lewis	*MSE*	*69*	*	†	*Waukegan*
Stremmel, George Stephens	*MdP (SS)*	*18½*	*		*Macomb*

Stringer, Joseph Kenneth	*Com (SS)*	*95*	*	†	*Dubuque, Iowa*
Strode, Alsia Mae	*Mus sp*		*	†	*Champaign*
Strong, James Kibbe	*Agr*	*100*	*	†	*Keithsburg*
Strong, Jesse Woodford	*Com (SS)*	*74*	*	†	*Canton*
Strong, Truman Jefferson	*Arch*	*114½*	*	†	*Cheney, Washington*
Strubinger, Gladys Lenore	*LAS*		*		*Barry*
Strubinger, Joseph Roy	*Agr*	*34*	*	†	*Sidell*
Strubinger, Louie Delecorix	*Com*		*		*Barry*
Struckmeyer, Carl Henry	*SS*				*Hoylcton*
Strusacker, Eugene Phillip	*LAS sp*		*	†	*Chicago*
Stuart, Herbert Edwin	*ME*	*52*	*	†	*Chicago*
Stubblefield, Ellis Deloss	*Agr*		*	†	*Normal*
Stubblefield, Jesse	*Agr*		*	†	*McLean*
Stubenrauch, Edgar Albert	*Arch*	*49*	*	†	*Sheboygan, Wisconsin*
Stuhr, William	*Arch*	*26*	*	†	*Rock Island*
Sturgeon, Margaret Erma	*HSLAS*		*	†	*Fisher*
Sturm, Clark Henry	*EE*	*70*	*	†	*Elgin*
Sukumlyn, Stephen William	*LAS (SS)*	*30*	*	†	*Kief, North Dakota*
Sulger, Alden Harwood	*Agr*	*76*	*	†	*Terre Haute, Indiana*
Sullivan, Edna Frances	*HSLAS (SS)*	*32*	*	†	*Champaign*
Sullivan, George Cornelius	*ME*		*	†	*Highland Park*
Sultzaberger, James Adam	*ChE*		*	†	*Kansas City, Missouri*
Summitt, James Levi	*LAS*	*43*	*	†	*Pesotum*
Sun, Eu-lin	*Agr (SS)*	*91*	*	†	*Washington, D. C.*
Sunderland, Glenn Henderson	*SS*				*Golden Gate*
Sunkel, Walter William	*ChE*		*	†	*Tulare, California*
Suppes, Elsie Mabel	*LAS*	*57*	*	†	*Somonauk*
Sutcliffe, Constance	*LAS (SS)*	*84*	*	†	*Urbana*
Sutcliffe, Dorothy	*SS*				*Urbana*
Sutherland, Harold Hoyle	*Agr*	*56*	*	†	*McNabb*
Sutton, William Henry	*LAS.*	*65*	*		*Washington, D. C.*
Swaim, Donald Tyler	*Com*	*92*	*	†	*Danville*
Swaim, Earle Frank	*LAS*	*53*	*	†	*Chicago*
Swanberg, Edmund De Forest	*EE*	*70*	*	†	*Worthington, Minnesota*
Swanberg, Marion Goerz	*HSLAS*	*66*	*	†	*Detroit, Michigan*
Swanson, Carl Ernest	*AE*	*83¾*	*	†	*Aledo*
Swartz, Fay Wood	*Mus (SS)*	*113½*	*	†	*Urbana*
Swearingen, Paul Van	*ME (SS)*	*24*	*	†	*Champaign*
Sweeney, Arthur Frantz	*Com*	*61*	*	†	*Chicago*
Sweet, James William	*SS*	*8*			*Polo*
Sweet, Orville Roberts	*Agr*	*67*	*	†	*Sherman*
Sweigert, Ray Leslie	*AE*		*	†	*Sterling*
Swenson, Carl Elmer	*ME*	*117*	*	†	*Chicago*
Swenson, Stanley Rudolf	*Com*		*	†	*Chicago*
Swensson, Earl Ebenezer Samuel	*ME*	*73*	*	†	*Lindsboro, Kansas*
Swick, Curvella H	*Law*	*85½*	*	†	*Galton*
Swickard, William S, Jr.	*LAS*		*	†	*Newman*
Swift, Dana Elery	*ME*		*	†	*Waverly*
Swift, Gertrude Lucile	*LAS*	*66*	*	†	*Streator*
Swigart, Faith Gretchen	*LAS*	*99*	*	†	*Champaign*
Swindler, Henry Oscar	*Com*	*61*	*	†	*Magnolia*
Swindler, Rollin Leland	*Agr*	*104*	*	†	*Champaign*
Taggart, David Alexander	*LAS*		*	†	*Wooster, Ohio*
Taggart, John Findlay	*Agr*	*100½*	*	†	*Wooster, Ohio*
Talbert, Lawson Stanton	*Com sp*		*	†	*Garrett, Indiana*
Talbot, Clarence Prescott	*Agr*		*	†	*Rochelle*
Talbot, James	*Agr*	*34*	*	†	*Sterling*
Talbot, Rachel Harriet	*LAS*	*71*	*	†	*Urbana*
Talbot, Violet Blanche	*LAS*		*	†	*Evanston*
Taliaferro, Virginia Beulah	*LAS*		*	†	*Topeka, Kansas*
Tallmadge, Chester Livingston, Jr.	*LAS*	*8½*		†	*Chicago*
Tang, Chen Long	*RCE*		*	†	*Chi-shu Hsien, China*
Tanner, John Porter	*SS*				*Owensboro, Kentucky*
Tanner, Thomas Sheridan	*AE (SS)*	*118*	*	†	*Dwight*
Tanton, Glenwood Charles	*Agr*	*88*	*	†	*Washington*
Tapscott, Charles Cameron	*LAS*		*	†	*St. Louis, Missouri*
Tarbox, Robin James	*Agr*	*34*	*	†	*Urbana*
Tatsch, Walter Karl	*CE*	*29*	*	†	*Chicago*
Taulbee, Horton Mills	*Agr*	*69*	*	†	*Hillsboro*
Taylor, Amos Lovejoy	*SS*				*Creal Springs*
Taylor, Benjamin Franklin	*LAS*	*33*	*		*Lacon*
Taylor, Chalmer Cline	*LAS*		*	†	*LeRoy*
Taylor, Charles Bagwell	*CE*	*76*	*	†	*Urbana*
Taylor, George	*LAS*		*	†	*Pryor, Oklahoma*
Taylor, Grace DeEtte	*HSAgr*	*96*	*	†	*West Plains, Missouri*
Taylor, Kathleen	*HSLAS*	*30*	*	†	*Harrisburg*
Taylor, Laurence Righter	*LAS*	*43*	*	†	*Indianapolis, Indiana*
Taylor, Margery Leeds	*LAS*		*	†	*Michigan City, Indiana*
Taylor, Max	*SS*	*119*			*Pryor, Oklahoma*
Taylor, Norris Onslow	*ChE*	*67*	*	†	*Geneseo*
Taylor, Orville Edgar	*SS*	*7½*			*Genoa*
Taylor, Paul Canaday	*Com*		*	†	*Mooresville, Indiana*
Taylor, Ross	*LAS sp*	*16*		†	*Carriers Mills*
Taylor, Ross Wallace	*LAS*	*63*	*	†	*Bement*
Taylor, Roy H	*Agr (SS)*	*79*	*	†	*Bismarck*

Taylor, Tracy Alvord	*Chem*		*	†	*Rockford*
Taylor, Townsend John	*SS*	*54*			*Owensboro, Kentucky*
Taylor, William Quinn	*RME*		*	†	*Rockford*
Teal, Paul Hamilton	*Agr*	*159⅓*	*	†	*Arcadia, Indiana*
Teasdale, John Warren	*Arch*	*94*	*	†	*St. Louis, Missouri*
Teeters, Mary Etta	*HSLAS*	*98*	*	†	*Auburn, Indiana*
Teixeira, Emilio Alvers	*ME (SS)*	*120½*	*	†	*Cassia, Minas, Brazil*
Temple, George William	*Com*		*	†	*Champaign*
Tendick, Frank Hulit	*ChE*	*132*	*		*Canton*
Tener, Katherine Randall	*LAS*	*100*	*	†	*East Cleveland, Ohio*
Ten Eyck, Irene Blanche	*HSLAS*		*	†	*Rockford*
Teninga, Alfred John	*Agr*			†	*Chicago*
Terpinitz, Jennie Grace	*LAS*		*	†	*Champaign*
Terry, Mead Meehan	*Com*	*32*	*	†	*Chicago*
Terry, Robert Byron	*LAS (SS)*	*96*	*	†	*Gerard*
Thacker, Charles Brooks	*Agr (SS)*	*102½*	*	†	*Vienna*
Thacker, Ralph William	*SS*				*Santa Ana, California*
Thal, Adolph Freiderich	*ChE*	*36*	*	†	*Champaign*
Thatcher, Frederick Robert	*Com*	*72*	*	†	*Elgin*
Theobald, Paul Kellogg	*SS*				*Jacksonville*
Thiele, Ernest William	*LAS*	*60*	*		*Chicago*
Thiele, Joel Baker	*EE*	*33*	*	†	*Ramsey*
Thiele, Ross Henry	*Arch*	*123*	*		*Ramsey*
Thiem, Ezra George	*Agr*		*	†	*Chicago*
Thomas, Alfred Clarence	*LAS*		*	†	*Des Moines, Iowa*
Thomas, Edward Harry	*MdP*		*	†	*Argenta*
Thomas, Grace	*Mus*	*16*	*		*Weldon*
Thomas, Harold Dewey	*Agr (SS)*	*33½*	*	†	*Bisbee, Arizona*
Thomas, Harry A	*Agr*	*64*	*	†	*Rockford*
Thomas, Joe Lee	*Agr*	*157*	*	†	*Charleston, W. Virginia*
Thomas, John Theron	*LAS*	*35*	*	†	*Belleville*
Thomas, Joseph Hancock	*MdP*		*	†	*New Douglas*
Thomas, Myron Selah	*AE*		*		*Waterville, Kansas*
Thomas, Nelson Reno	*Com*	*35*	*	†	*St. Louis, Missouri*
Thomas, Raymond Victor	*SS*				*Ashland, Oregon*
Thomas, Royle Price	*Agr*	*26*	*	†	*Sullivan, Indiana*
Thomas, Stanley Jeremiah	*CE*	*108½*	*	†	*Vincennes, Indiana*
Thomas, Theodore Gladstone	*Arch*	*69*	*	†	*Chicago*
Thompson, Alice Agnes	*LAS*	*3*	*	†	*Columbus, Indiana*
Thompson, Fred Leo	*LAS*	*48½*	*		*Garrett, Indiana*
Thompson, George S	*Com*	*102*	*	†	*Elkhart, Indiana*
Thompson, Guy Holsinger	*SS*				*Chambersburg, Pennsylvania*
Thompson, Herle Allen	*Agr*	*27*	*	†	*White Heath*
Thompson, Jesse James	*SS*	*15½*			*Benton, Kentucky*
Thompson, Leslie Clayton	*Agr*		*	†	*Piper City*
Thompson, Lowell Ernest	*Com*				*Rantoul*
Thompson, Marvin Waterburn	*LAS*	*20*	*	†	*Chicago*
Thompson, Orlando Stephen	*Agr*	*104*	*	†	*Harvey*
Thompson, Rex Roland	*LAS*	*24*	*	†	*Berwyn*
Thompson, Russell Hopkins	*Com*	*102*	*	†	*Sullivan, Indiana*
Thompson, Stella McDowell	*SS*	*6½*			*Parkville, Missouri*
Thompson, William Charles	*Arch*	*56*	*	†	*Chicago*
Thompson, William Lewis Voris	*Com*	*31*	*	†	*Indianapolis, Indiana*
Thompson, William McKinley	*MdP*	*30*	*		*LaRose*
Thomsen, Marvin William	*LAS*	*76*	*		*Fulton*
Thomson, Lillian Euphenia	*LAS*	*63*	*	†	*Creston, Iowa*
Thomson, Vivian Margaret	*SS*				*Waukegan*
Thomson, William White	*LAS*	*96*	*	†	*Rockville, Indiana*
Thor, Alfred Ulmo	*Agr*	*63*	*	†	*Rollo*
Thornsburgh, Zada Goff	*LAS (SS)*	*74*	*	†	*Urbana*
Thornton, Maurice Emerson	*Arch*	*34*	*	†	*Indianapolis, Indiana*
Thornton, William DeSales	*SS*	½			*Geneva, New York*
Thorp, William Walter	*Com*	*29*	*	†	*Rochelle*
Thorsell, Arthur Alfred	*ME*		*	†	*Rockford*
Thorud, Bert Marshall	*AE*	*72*	*	†	*Chicago*
Thory, Hans Christian	*LAS (SS)*	*39½*	*		*Chicago*
Thurlow, Henry Plummer	*Agr*	*98½*		†	*Lynn, Massachusetts*
Thurston, Alfred William	*Agr*	*68*	*		*Champaign*
Ticknor, James Hotchkiss	*AE*	*128½*	*	†	*Peoria*
Tiffany, Mary	*Mus sp*		*	†	*Antioch*
Tiffin, Joseph Dow	*Agr*	*63*	*	†	*Walshville*
Tikotzky, Carl	*ChE*		*	†	*Chicago*
Tilden, Ralph Sanford	*LAS*		*	†	*Canton, Ohio*
Tillotson, Amy Iola	*LAS*		*	†	*Roswell, New Mexico*
Tillotson, Clara Eva	*LAS (SS)*	*41*		†	*Roswell, New Mexico*
Tillson, Vivian Earle	*Chem*	*67*	*	†	*Baker, Louisiana*
Tinkey, Otto George	*EE*	*104*	*	†	*Decatur*
Tipton, Warren Armstrong	*ME*		*	†	*Alton*
Tobias, Frank	*Com*	*33*	*	†	*Normal*
Todd, Dana Lee	*LAS*	*58*	*	†	*Oklahoma City, Oklahoma*
Todd, Malcolm Newton	*SS*				*Tunnelton, Indiana*
Toll, Arno William	*ME*	*37*	*	†	*Chicago Heights*
Tolman, Robert Gardner	*Com*		*	†	*Yonkers, New York*
Tolmie, Thomas William	*AE*	*115*	*	†	*Dubuque, Iowa*
Tombaugh, Glen Deach	*Agr*	*73½*	*	†	*Pontiac*

Tomecko, Cyprian George	*SS*	*5*			*Lipton, Sask., Canada*
Tompkins, Ralph Hawthorne	*LAS*	*67½*	*	†	*Eagle Grove, Iowa*
Tompkins, Roy Woodruff	*CerE*	*56½*	*		*Joliet*
Tong, Teh-Chang	*LAS*	*83*	*	†	*Hunan, China*
Tong, Towe	*Com (SS)*	*34½*	*	†	*Washington, D. C.*
Toothaker, Harry Hawkins	*CE (SS)*	*26*	*	†	*Sandoval*
Torgerson, Edward Fritchoff B.S., 1914	*Agr*			†	*Urbana*
Tornquist, Alpha Caroline	*HSLAS*	*116*	*	†	*Champaign*
Torrence, Franklin Albert	*LAS*	*25*	*	†	*Chester*
Tourtelot, Frederick Ignatius	*EE*		*	†	*Oak Park*
Touve, Lisette Magdalena	*Mus*		*	†	*Centralia*
Towe, Harold Theodore	*LAS*	*16*	*	†	*Toledo, Ohio*
Tower, Alexander McJunkin	*REE*	*107*	*	†	*Fort Wayne, Indiana*
Tower, Carleton Myron	*Com*	*69*	*	†	*Gillett, Arkansas*
Tower, Tracy Travers	*Com*			†	*Mendota*
Townsan, George Leland	*LAS*	*60*	*	†	*Urbana*
Townsend, Mildred Lorene	*SS*	*29*			*Champaign*
Townsend, Sidney Funk	*Agr*		*	†	*River Forest*
Tracy, Paul Hubert	*Agr*	*67*	*	†	*Paris*
Trautman, Louis Leander	*Com sp*		*	†	*West Indies*
Traver, Chauncey M	*SS*	*7*			*San Francisco, California*
Traxler, Dollie Maye	*Com*		*	†	*Urbana*
Traxler, Elinor Evangeline	*Com (SS)*	*67*	*	†	*Urbana*
Traxler, Ivan Ward	*Agr*	*44*	*	†	*Urbana*
Traylor, Ross Jennings	*SS*	*4*			*Coffeen*
Treat, Edna	*Mus sp*				*Urbana*
Trelease, Sidney Briggs	*Com (SS)*	*82½*	*	†	*Urbana*
Trenchard, Leonard Ambrose	*Agr*		*	†	*Hardin, Missouri*
Trenchard, Wilma Lois	*LAS*	*62*	*	†	*Hardin, Missouri*
Trickle, Lenox Edmond	*REE*	*72*	*	†	*Rantoul*
Trout, Clement Eddy	*SS*	*132*			*Champaign*
Troster, Marion Collier	*Com*	*64*	*	†	*Bellflower*
Troutman, William Chilton	*LAS*	*107*	*	†	*Carl Junction, Missouri*
Trowbridge, Emma Cornelia	*LAS*		*	†	*Green Valley*
Trowbridge, William Oliver	*Agr*	*60*	*	†	*South Bend, Indiana*
Truax, Allison Eugene	*SS*	*64*			*Crystal Lake*
True, Leighton Joy	*Com sp*	*3*	*	†	*El Cajon, California*
Truitt, Theodosia	*LAS*		*	†	*Chicago*
Trumbo, Elias Halberlin	*Agr*		*	†	*Ottawa*
Trumbo, James Keeley Chester	*MdP*		*	†	*Pontiac*
Tsang, Wai Kwong	*CE sp*		*	†	*Hong Kong, China*
Tucker, Gladys May	*Com*	*19*	*	†	*Highland Park*
Tucker, Gustave Morton	*CerE*	*104*	*	†	*Chicago*
Tucker, Harold James	*MinE*		*	†	*McDowell*
Tucker, Marion	*LAS*		*	†	*Champaign*
Tucker, Rolland Henry	*Agr*	*65*	*	†	*Minonk*
Tucker, Will Hunsinger	*Com*		*	†	*Mt. Vernon*
Tucker, William Henry	*ChE*	*28*	*	†	*Morrison*
Tuell, Wallace Gerry	*EE*	*106*	*		*Canton*
Tuckey, Harold Bradford	*Agr*	*68*	*	†	*Berwyn*
Turley, Harold Edwin	*Agr*	*69*	*	†	*Burney, Indiana*
Turnbull, Clifford Griffith	*Agr*	*34*	*	†	*Champaign*
Turnbull, Helen Eleanor	*LAS*		*	†	*Champaign*
Turner, Alexander Harvey	*Agr*	*106*	*	†	*Loda*
Turner, Carl Winford	*MdP*		*	†	*East St. Louis*
Turner, Charles Edward	*LAS*	*104*	*	†	*Mt. Sterling*
Turner, Chester Charles	*Agr*	*101*	*	†	*Urbana*
Turner, Harold Horton	*ME*	*45*	*	†	*Chicago*
Turner, James Marion	*SS*	*17*			*Lovington*
Turner, Luther Martin	*EE*	*93*	*	†	*Beardstown*
Turner, Merle Bernice	*LAS*	*33*	*	†	*Champaign*
Turner, Robert Nathaniel	*CE*		*	†	*Dayton, Ohio*
Turner, Wayne Isaac	*Agr*	*31*	*	†	*Urbana*
Turner, William Robert	*SS*	*3*			*Palmyra*
Turnquist, Elmer Nels	*LAS*	*62*	*	†	*Canton*
Turnquist, Ivar William	*Agr*	*70*	*	†	*Chicago*
Turnquist, Ruby Marie	*HSAgr*		*	†	*Chicago*
Turpin, Charles Udell	*Com*	*31*	*	†	*St. Louis, Missouri*
Turrell, Mrs. Amy Sara	*SS*	*4*			
Turrell, Marion Charles, A.B. (*West Virginia Univ.*) 1903	*SS*				*Milledgeville*
Tuthill, James Pierce	*CE*	*109*	*	†	*Elgin*
Tuttle, Charlotte	*Arch*	*36*	*		*Wilmette*
Tutwiler, Robert Evans	*Cam*		*	†	*River Forest*
Twells, Robert	*CerE*	*38*	*	†	*Chattanooga, Tennessee*
Twigg, Marguerite Teresa	*LAS*		*	†	*Brocton*
Twitchell, Angie Ruth	*LAS*	*60*	*	†	*Belleville*
Udinski, William Philip	*CE*	*61*		†	*Jersey City, New Jersey*
Ulich, Lynne Herman	*SS*	*6*			*Villisca, Iowa*
Underhill, George Ellsworth	*EE*		*	†	*Elgin*
Unger, George Walter	*Arch*	*69*	*	†	*Oak Park*
Upchurch, Mabel Frances	*SS*	*8½*			*Ewing*
Urbach, Dalton Normon	*LAS*		*		*Dubuque, Iowa*
Urbain, Arthur Jules	*Chem (SS)*	*84½*	*	†	*DuQuoin*

Usis, Bessie Nellie	*Com*		*	†	*Niles*
Uthoff, Pearl Kathryn	*LAS*	*31*	*	†	*Princeton*
Utley, Nelson Monroe	*Com*	*68*	*	†	*Chicago*
Utt, Arthur Holliday	*Agr*	*11*		†	*Springfield*
Utt, Ralph Chester	*Agr*		*	†	*Chicago*
Vail, Charles Winfield, Jr.	*Com*		*	†	*Chicago*
Vail, Edna Cora	*HSLAS*	*32*	*	†	*Springfield*
Vail, Nina Lee	*LAS*		*	†	*Macomb*
Valentine, Edwin Ernest	*AE*	*12*	*	†	*Green Bay, Wisconsin*
Valentine, Frank Wayne	*Chem*	*71*	*	†	*Mt. Vernon*
Valentine, George Snow	*Com*	*67*	*	†	*Evanston*
Van Bramer, Douglas Francis	*Agr*		*	†	*Chicago*
Vance, Claire Kinsey	*ME*		*		*Logansport, Indiana*
Van Cleave, Bruce	*Law*	*98*	*	†	*Springfield*
Van Cleave, Wallace	*Agr*	*62*	*	†	*Springfield*
Van Dam, Earnest	*LAS*	*19*	*	†	*Ludlow*
Vanden Bosch, James Walter	*Com*	*33*	*	†	*South Bend, Indiana*
Vanderpool, Arthur Meritt	*ME*	*36*	*	†	*Morris*
Vandervort, Maurice Linwood	*AE*		*	†	*Kankakee*
Van Deusen, Arthur Stowe, Jr.	*Com*	*65*	*	†	*Evanston*
Van Deusen, John LeRoy	*CE*	*56*	*	†	*Greenville*
Van Deventer, Dale Vernelle	*Agr*		*	†	*LeRoy*
Vandeventer, Fenton Ross	*Agr*	*33*	*	†	*Mt. Sterling*
Van Deventer, Frank Macknet	*ME*	*104*	*	†	*Decatur*
Van Deventer, Ruth Marlowe	*Agr*		*	†	*Springfield*
Van Dorn, Theodore Joseph	*Law*	*60*	*	†	*Springfield*
Van Dyke, Earl Henry	*Agr*	*101*	*	†	*Plainfield*
Van Houten, Frank Henry	*Agr*	*2*	*	†	*Chicago*
Van Inwegen, Helen	*Agr*		*	†	*Oregon*
Van Lieu, John M	*SS*	*7⅓*			*Des Moines, Iowa*
Van Meter, Craig	*Law*	*91*	*	†	*Mattoon*
Van Meter, Verl Fred	*Com*		*	†	*Bushnell*
Vanneman, Edgar	*SS*	*6½*			
Van Praag, Alex., Jr.	*CE (SS)*	*111*	*	†	*Decatur*
Van Ryn Van Alkemade, Leendert Willum	*LAS*		*	†	*Chicago*
Van Vleet, Ruth Hazel	*LAS*		*	†	*Aurora*
Van Winkle, Paul Keith	*Com*	*100*	*		*Chicago*
Varney, Clara Elsie	*HSAgr*	*18*	*	†	*Delavan*
Vaughan, Fred Nathan, Jr.	*Agr*	*59*	*	†	*Amboy*
Vaughan, Rufus Emerson	*Agr*	*50½*	*	†	*St. Louis, Missouri*
Vaughn, Howard Flaghn	*AE (SS)*	*57*	*	†	*Urbana*
Vaught, Sallie McCormick	*Lib*	*33*	*	†	*Lebanon, Indiana*
Vear, Leonard Ray	*Agr*	*60*	*	†	*Chicago*
Vedder, Earl Charles	*LAS*	*101*	*	†	*Lockport, New York*
Veirs, Willard Lewis	*Med*	*103*	*	†	*Urbana*
Vennum, Mary Durham, A.B., 1913	*Law*		*	†	*Onarga*
Vernon, Edith Blan	*LAS (SS)*	*24*	*	†	*Toledo*
Vernon, Maris Hurford	*CE*	*111*	*	†	*Moline*
Vernon, Russell Longacre	*Agr*		*	†	*Goshen, Indiana*
Veronda, Maurice	*LAS*	*60*	*	†	*Carbon Hill*
Vial, Harold Craigmile	*Agr*	*69*	*	†	*La Grange*
Vial, Helen Gertrude	*LAS*	*42⅙*	*	†	*La Grange*
Vial, Nathaniel Smith	*Agr (SS)*	*58½*	*	†	*La Grange*
Vidal, Stephen Peter	*MSE*	*30*	*	†	*Gallup, New Mexico*
Vinkvist, Bertha Aurora	*Agr (SS) sp*		*	†	*Uppsala, Sweden*
Virgin, Eli Horace	*SS*	*78*			*Virginia*
Visscher, Nina May	*SS*				*Frankfort, Kentucky*
Vissering, Eckbart Bernhardt	*Com*	*66*	*	†	*Minonk*
Vliet, Elmer Bennett	*ChE (SS)*	*70*	*	†	*Joliet*
Vogele, Alfred Charles	*Agr*	*69*	*	†	*Assumption*
Vogt, Frank Walter	*CE*		*	†	*Chicago*
Voigt, Marie Louise	*Mus*	*48*	*	†	*Athens, Ohio*
Volk, William Joseph	*CE (SS)*	*59*	*	†	*Chicago*
Von Babo, Beatrice Louise	*LAS*	*69*	*	†	*Chicago*
Von Ohlen, Floyd William George	*Agr*	*32*	*	†	*Hinckley*
Voorhees, Evangeline	*LAS*	*16*	*	†	*Alton*
Voorhees, Vandervcer	*ChE*	*49*	*	†	*Upper Alton*
Vopat, Joseph Francis	*CE*	*72*	*	†	*Oak Park*
Voris, Bryant Brey	*LAS*		*	†	*Waterloo*
Voss, Anne	*Mus*	*72*	*		*Champaign*
Voss, John, Jr.	*AE*	*70⅓*	*		*Peoria*
Waddington, Glenn George	*ME*	*99*	*	†	*Dewey*
Wadsworth, Goldie May	*LAS*	*96⅓*	*	†	*Connersville, Indiana*
Wagenseller, John Richard	*Agr*		*	†	*Fairbury*
Wager, Maurice	*ME*		*	†	*Chicago*
Waggener, Jeannette Cordelia	*LAS sp*		*	†	*Martin, Tennessee*
Waggoner, Karl Marshall	*Arch*	*118*	*		*Decatur*
Waggoner, Marion Earle	*Agr*		*	†	*Gibson City*
Wagner, Charles Arthur, Jr.	*EE (SS)*	*65*	*	†	*Springfield, Missouri*
Wagner, Esther Angelica	*LAS*		*	†	*Forest Park*
Wagner, Frank Hans	*Agr*	*24*	*	†	*Rockford*
Wagner, Roberta Jennie	*LAS*		*	†	*Chicago*
Wagner, Wesley Gephart	*Agr*	*31*	*	†	*Urbana*
Wagner, William John	*Com*		*		*Jerseyville*
Wagstaff, Charles Dudley	*Agr*	*82*	*	†	*Tipton, Indiana*

Wahl, Leo Jacob	*SS*	*65*			*Sterling*
Wakefield, Mildred Amy	*LAS*	*23*	*	†	*Lake Benton, Minnesota*
Wakeland, Fred Raymond	*Agr*	*62*	*	†	*Hoopeston*
Wakeland, Guy Earl	*Agr*	*94*	*	†	*Hoopeston*
Waldo, Abner Weston	*Com*	*102*	*	†	*Libertyville*
Waldo, Henry Marshall	*LAS*		*	†	*Libertyville*
Waldo, John Hardenbergh	*CerE*	*43*	*	†	*Urbana*
Waldron, Norman E	*Agr*	*60*	*	†	*Walcottville, Indiana*
Walk, Marney Lawrence	*AE*	*24⅓*	*	†	*Sigel*
Walker, Elliott Pyle	*Com*	*34*	*	†	*Butler, Missouri*
Walker, Frank Abram	*Agr*	*99*	*	†	*Aurora*
Walker, Helen	*HSLAS*	*66*	*	†	*Clinton*
Walker, Nelle	*LAS*	*62*	*		*Carterville*
Walker, Russell Telis	*EE*	*72*	*	†	*Dongola*
Walker, Stanton	*MSE*	*110⅓*	*	†	*Champaign*
Walker, Volney Denehar	*ME*		*	†	*Cicero*
Walkerly, Margaret Magdalene	*Com (SS)*	*95⅓*	*	†	*Champaign*
Wall, Harriet Edythe	*LAS*	*110*	*	†	*Staunton*
Wallace, Edgar Dearborn	*LAS*	*114⅓*	*		*Chicago*
Wallace, Edwin	*Agr*		*	†	*Assumption*
Wallace, Elwin	*Agr*		*	†	*Assumption*
Wallace, Frank Maltby	*Com*		*	†	*Chicago*
Wallace, Paul Samuel	*SS*	*40*			*Savanna*
Wallace, Samuel Haywood	*Agr*	*27*	*	†	*Oak Park*
Wallage, Stanley Tiffin	*SS*	*138½*			*Paris*
Wallis, Mrs. Grace Hite	*SS*	*8*			
Wallis, May Avona	*LAS*		*	†	*Centralia*
Walmer, Joseph Charles	*Com*	*99*	*	†	*Cairo*
Walrath, Abigail Jessie	*SS*	*5*			*Lebanon*
Walser, Stephen Albert	*Agr*	*109*	*	†	*Brooklyn, New York*
Walsh, John Edward	*EE*	*119*	*	†	*Peoria*
Walsh, Leo Bernard	*Agr*	*104*	*	†	*Rantoul*
Walsh, Richard Leon	*CE*		*		*Rantoul*
Walsh, William Celestine	*Com*		*	†	*Mattoon*
Walter, Fred	*Agr*	*35½*	*	†	*Arenzville*
Walter, Kenneth Hubert	*LAS*		*		*Bremen, Indiana*
Walters, Prentice Therman	*SS*	*135⅓*			*Maconb*
Walton, James K, Jr.	*Agr*	*106¾*	*	†	*Anna*
Walworth, Stanton Eugene	*Agr*	*66*	*	†	*Urbana*
Wamsley, Adalaid May	*HSAgr (SS)sp*	*67*	*	†	*Quincy*
Wamsley, John Henry	*Com*		*	†	*Tuscola*
Wanderer, Elizabeth Catherine	*HSLAS*		*	†	*Oak Park*
Wang, Chin Wu	*SS*	*43½*			*China*
Ward, Andrew Lewis	*LAS*		*	†	*Oak Glen*
Ward, Arthur Andrew	*EE*	*31*	*	†	*Oak Glen*
Ward, Cecilia Blair	*HSLAS*	*66*	*	†	*Urbana*
Ward, Charlotte Baldwin	*HSLAS*		*	†	*Urbana*
Ward, Dan Putnam	*Com*		*	†	*Marshalltown, Iowa*
Ward, Herbert Benjamin	*Agr*	*26*	*		*Geneseo*
Ward, Janet	*LAS*	*62*	*	†	*Chicago*
Ward, Justus Conrad	*Chem*		*	†	*Clinton*
Ward, Mary Helen	*HSAgr*	*33*	*	†	*Sterling*
Ward, Mary Winifred	*LAS*	*66*	*	†	*Saybrook*
Ward, Ralph Waldo	*SS*	*6½*			*Worcester, Massachusetts*
Ward, Raymond Ford	*Com*		*	†	*Normal*
Ward, Raymond Lee	*Com*	*33*	*	†	*Bement*
Ward, Victor	*CE*	*27*	*		*El Paso*
Warden, Ida Elizabeth A.M. (*Wooster Coll.*) 1913	*SS*				*Wellsburg, West Virginia*
Ware, Gay Hollenbeak	*Agr sp*	*8*	*		*Barry*
Ware, Manierre Barlow	*Agr*	*105*	*	†	*Chicago*
Warford, David Arthur	*Law*	*74*	*	†	*Elizabethtown*
Warinner, Mabel Straube	*SS*	*59⅝*			*Urbana*
Warmolts, Cornelia Sara	*LAS*	*56*	*	†	*Oregon*
Warmolts, Lambertus, Jr.	*LAS (SS)*	*102½*	*	†	*Oregon*
Warner, Robert Leman	*Law*	*15*	*	†	*Dixon*
Warren, Daniel Edwin	*Agr*	*107*	*	†	*Belvidere*
Warren, Dorothy	*HSLAS*	*35*	*	†	*Watseka*
Warren, Harry DeHaven	*ME*		*	†	*Moline*
Warren, Harry Theodore	*Chem*	*17*	*	†	*Centralia*
Warren, Anna May	*LAS*	*101*	*	†	*Mansfield*
Warren, Milton Willard	*Agr*		*	†	*Mansfield*
Warren, Ralph Rowe	*CE*	*63*	*	†	*LaSalle*
Warren, Robert Clarke	*Agr*		*		*LaGrange*
Wascher, Herbert Frederick	*Agr*	*34*	*	†	*Champaign*
Washburn, James William	*MSE*	*98*	*		*Lenox Dale, Massachusetts*
Washburr, Raymond Allen	*LAS*	*14*	*	†	*Kewanee*
Washler, Orla Virgil	*SS*	*8*			*Union City, Indiana*
Wasson, Loran Arthur	*Com*	*37*	*		*Harrisburg*
Waterbury, Harry Bremner	*Agr*		*	†	*Chicago*
Waterman, Louise Hale	*LAS*	*95*	*	†	*Chicago*
Waterman, Mary Elizabeth	*LAS*	*120*	*	†	*Galesburg*
Waterman, William Layton	*CE*		*	†	*Chicago*
Waters, George Gerald	*EE*	*32*	*	†	*Chicago*
Watson, Harry Francis	*LAS (SS)*	*95*	*		*Granite City*

Watson, Jane C	*SS*				*Champaign*
Watson, Ray Marcus	*Agr*	*102*	*	†	*Cobden*
Watson, Raymond Vance	*Agr*		*	†	*Clinton*
Watt, Glendora	*Mus sp*		*	†	*Champaign*
Watt, Margaret Louise	*LAS*		*	†	*Winchester*
Watt, Russell A	*AE*	*66*	*	†	*Champaign*
Watts, Amos Holston	*LAS*	*32*	*	†	*Nashville*
Watts, Helen Mae	*LAS*	*32*	*	†	*Urbana*
Wayne, Forrest Howells	*Com*		*		*Orion*
Weart, James Garrison, Jr.	*Agr*	*38*	*		*Winnetka*
Weasel, Nellie Wilma	*LAS*		*		*Pesotum*
Weaver, George	*MdP*	*2*	*	†	*Cumberland, Iowa*
Weaver, Lillian Ruth	*LAS*	*117*	*	†	*Cumberland, Iowa*
Webb, Brent Girdler	*Arch*	*55*	*	†	*Louisville, Kentucky*
Webb, Elizabeth	*LAS*		*	†	*Farmer City*
Webb, Haldeman Adair	*Com*		*	†	*Chicago*
Webb, Katherine Ann	*LAS*	*31*	*	†	*Chicago*
Webber, Albert G., Jr.	*Law*	*57*	*	†	*Decatur*
Webber, Robert Alfred	*ChE*	*63*	*	†	*Urbana*
Weber, Frederick Gottlieb	*Agr*	*25½*	*	†	*Tower Hill*
Weber, Leonard Fred	*MdP*	*59*	*	†	*Buckley*
Weber, Pauline Barbara	*LAS*		*	†	*Olney*
Webster, Frederick Farrar	*Agr*	*99½*	*	†	*Oberlin, Ohio*
Webster, Gladis Gilbert	*Agr*	*99*	*	†	*Washington, Indiana*
Webster, Lewis Selwyn	*MSE*	*52½*	*	†	*Bartow, Florida*
Wedge, Leslie B	*Com*	*65*	*	†	*Kewanee*
Weeks, Charles Horace	*Com*	*68*	*	†	*Joliet*
Weems, Charles Lee	*LAS*	*80*		†	*Quincy*
Weenink, Ruth Antionett	*HSAgr*	*102*	*	†	*Dillon, Montana*
Weeter, Mabel Slout	*LAS*		*	†	*Williamsport, Pennsylvania*
Weeter, Nelle Mae	*LAS (SS)*	*37*	*	†	*Rimersburg, Pennsylvania*
Wehrle, Thomas Henry	*Com*	*31*	*	†	*Carmi*
Weikert, Earl Harper	*Agr sp*		*	†	*Galesburg*
Weil, Ruth Carmen	*LAS*	*98*	*	†	*Oelwein, Iowa*
Weilepp, Laura Elizabeth	*HSLAS*	*101½*	*	†	*Decatur*
Weinberg, Elizabeth	*HSAgr*	*100*	*	†	*Rushville*
Weingarten, Helen Henrietta	*LAS*	*23*	*		*Champaign*
Weinshank, Harry	*ME*	*30*	*	†	*Indianapolis, Indiana*
Weir, Amy Azalea	*LAS*	*62*	*	†	*Marshall*
Weir, Mary Jane	*HSAgr*		*	†	*Marshall*
Weir, Pearl	*HSAgr*	*66*	*	†	*Marshall*
Weise, Nicholas George	*Agr*	*60*	*	†	*Chicago*
Weiser, Albert Luther	*SS*				*Grimes, Iowa*
Weisiger, George Bates	*SS*	*98*			*Homer*
Weiss, John Nelson	*Agr*		*	†	*Genesco*
Weiss, Marion Virginia	*LAS*	*111*	*	†	*Champaign*
Weiss, Theodore Frank	*ChE*		*	†	*Champaign*
Weissman, Joseph	*Agr*		*	†	*Chicago*
Weitknecht, Helen Bernice	*LAS*		*	†	*Mitchell, Indiana*
Welch, Charlotte Bruce	*LAS*		*	†	*Highland Park*
Welch, Frank Joseph	*LAS*		*	†	*Moline*
Welch, Mary Mildred	*LAS*		*	†	*Highland Park*
Welch, Stanley Edwin	*Com*			†	*Chicago*
Welch, Vyrna	*SS*				*Urbana*
Welensky, David Arthur	*CE*		*	†	*Chicago*
Welge, Bertha Henriette	*SS*				*Hillsboro*
Welker, Leo Edward	*SS*				*Colfax, Iowa*
Weller, Herbert Clay	*LAS*	*30½*	*	†	*Hindsboro*
Wells, Harry Andrew	*Agr*	*97*	*	†	*Dalton, Pennsylvania*
Wells, Le Roy Myron	*Agr*			†	*Torrington, Connecticut*
Welsh, St. Clair Duval	*CE*		*	†	*Des Moines, Iowa*
Welty, David Charles	*Agr*	*98*	*	†	*Amboy*
Weltmer, James Horace	*SS*	*8*			*Nevada, Missouri*
Wenke, Vernon Arthur	*Com*	*29*	*	†	*Geneseo*
Wensley, Lucy Drinkwater	*HSLAS*	*31*	*		*Cleveland, Ohio*
Wenz, Carolyn Louise	*SS*	*119⅙*			*Paris*
Wenzlaff, Soloman Henry	*LAS*	*35*	*	†	*Yankton, South Dakota*
Wenzlaff, William Bradford	*Com*		*	†	*Armour, South Dakota*
de Werff, Henry August, B.S., 1914	*Agr*			†	*Farina*
Werner, Harry William	*ME*		*	†	*Blue Island*
Werstler, William Joseph	*Agr*	*27⅓*	*	†	*Chicago*
Wert, Catherine Selma Leotta	*HSAgr*		*	†	*Kendallville, Indiana*
Wertheim, Edgar	*SS*	*8½*			
Westcott, Florence May	*SS*	*7½*			*Chillicothe*
Wesley, Curtis Elroy	*Agr*		*	†	*St. Louis, Missouri*
Wesseling, Amalie Elizabeth	*LAS*	*22*	*		*St. Louis, Missouri*
West, Estol Kenneth	*SS*				*Mt. Vernon*
West, Linnie Minnie	*HSLAS (SS)*	*98*	*	†	*Watseka*
West, Lloyd Alvin	*EE*	*62⅓*	*	†	*Yates City*
West, Marion Isabel	*HSAgr*	*60*	*	†	*Loda*
Westbay, James Herron	*RME*	*115*	*	†	*Monett, Missouri*
Westbrook, Harold William	*Com*	*56*	*	†	*Centralia*
Westenhaver, LeRoy John	*MinE*	*70*	*	†	*Chicago*
Westerman, Richard Wilbur	*LAS*		*	†	*Quincy*
Westfield, Norman Elmer	*Agr*		*	†	*Chicago*
Weston, Jessie Beatrice	*Lib*	*38*	*	†	*Urbana*

Wetherell, Edwin Harry	*Arch*	*48*	*	†	*Des Moines, Iowa*
Wetzel, Gilbert John	*LAS*		*	†	*Chicago*
Whalin, Oren Leslie	*Agr*	*61*	*	†	*Rose Hill*
Wham, Benjamin, A.B., 1915	*Law*	*162*	*	†	*Carter*
Wharton, Wayne Thompson	*Com*	*30*	*	†	*Moline*
Wheat, Marcell Henry	*Com*	*34*	*	†	*Chicago*
Wheat, Orvie Albert	*Arch*		*		*Deland*
Wheeler, Adelaide Cynthia	*HSAgr*	*100*	*	†	*Laurens, Iowa*
Wheeler, William Erastus, Jr.	*Law*	*120*	*	†	*East St. Louis*
Wheelhouse, Elizabeth Lux	*HSLAS*	*72*	*	†	*Decatur*
White, Agnes Chloe	*LAS*	*96*	*	†	*Marion*
White, Catherine Nell	*LAS (SS)*	*40*	*	†	*Urbana*
White, Harold Hartwell	*Com*	*68*	*	†	*Chicago*
White, Helen Wheeler	*LAS*		*		*Chicago*
White, Homer	*LAS*		*	†	*Pawnee*
White, Leila Olive	*LAS*		*		*Rockford*
White, Marion Kingsley	*HSAgr*	*99*	*	†	*St. Joseph, Missouri*
White, Merle Marie	*HSAgr*	*20*	*	†	*Urbana*
White, Milton Worley	*Agr*	*43*	*	†	*Oxford, Ohio*
White, Russell Sherman	*Com*	*60*	*	†	*Chicago*
White, William Wallace	*Com*	*14*	*	†	*Chicago*
White, Winifred Elizabeth	*LAS (SS)*	*66*	*	†	*Chicago*
Whitelaw, Charles Hugh	*Com*		*	†	*Seattle, Washington*
Whiteside, Merrill Wesley	*MdP*		*	†	*Eldorado*
Whitford, Hobart S	*Agr*	*29*	*	†	*Golden*
Whiting, Vivian Justina	*HSLAS*	*101*	*	†	*Urbana*
Whitman, Beulah Mae	*HSLAS*	*40½*	*	†	*Cameron*
Whitman, George Bruington	*Agr*	*52½*	*	†	*Cameron*
Whitmire, Laura Gwendolen, A.B., 1914	*SS*				*Urbana*
Whitney, Harold Bruce	*CE*	*36*	*	†	*Silver Spring, Maryland*
Whitney, Joseph Lafeton	*Com*	*101*	*	†	*Oak Park*
Whitney, Leland LeRoy	*Com*		*	†	*Marion, Ohio*
Whitney, Leonard Hilliard	*MinE*	*111*	*	†	*Downers Grove*
Whitney, Merlyn Ruloff	*Com*	*81*	*	†	*Marion, Ohio*
Whitson, Herman Ansel	*MdP*	*56*	*	†	*Rushville*
Whittemore, Katherine	*HSAgr*		*		*East Aurora, New York*
Whittemore, Kenneth Stoddard	*Com*	*67*	*	†	*East Aurora, New York*
Whitten, George Arion	*LAS*		*	†	*Urbana*
Whitten, Jennie Alma	*LAS (SS)*	*91*	*	†	*DeKalb*
Whitten, Mabel Doris	*LAS (SS)*	*69*	*	†	*DeKalb*
Whitten, Phil R	*Mus sp*			†	*Urbana*
Whittington, Ray Norton	*Agr*	*33*	*	†	*Benton*
Whittum, Florence Lucille	*LAS*	*36*	*	†	*Herscher*
Whitver, Howard Clifford	*Com (SS)*	*71½*	*	†	*Urbana*
Wible, Tom K	*Com*	*30*	*		*Mason City*
Wieboldt, Anna Ernestine	*LAS*	*73*	*	†	*Chicago*
Wiedemann, Charles Phillip	*Agr*		*	†	*East St. Louis*
Wiedemann, Newell Evert	*Arch*	*61*	*	†	*East St. Louis*
Wien, Julius Harry	*EE*	*67*	*	†	*Chicago*
Wiersema, Henry	*EE*	*16*	*	†	*Fulton*
Wiggins, William Kelley	*EE*	*21*	*	†	*Anna*
Wiggins, Rolla Elbert	*SS*	*8½*			*Goreville*
Wight, Edith Marian	*LAS*	*66*	*	†	*Chicago*
Wikoff, Ruth Isabel	*LAS*	*65*	*	†	*Chicago*
Wilber, Harold Courtney	*Com*	*67*	*	†	*Potomac*
Wilbourne, Willie Coakly	*LAS*			†	*Olive Branch*
Wilder, Charles Lucas	*ME*	*29*	*	†	*Peoria*
Wildermuth, Joe Henry	*Arch*	*36*	*	†	*Gary, Indiana*
Wiles, Bertha Harris	*LAS*	*100*	*	†	*Minatare, Nebraska*
Wiley, Harry Houghes	*CE*	*103*	*	†	*Sioux City, Iowa*
Wiley, Kathryn Grace	*LAS sp*		*	†	*Aurora*
Wiley, Russel Warren	*AE*	*37*	*	†	*Chicago*
Wiley, Sumner Conklin	*LAS*		*		*Earlville*
Wiley, Wallace Faris	*AE*	*36*	*	†	*Anna*
Wilford, Robert Nicholas	*Agr*	*100*	*	†	*Aurora*
Wilkins, Ernest Jesse	*LAS*	*69½*	*	†	*St. Louis, Missouri*
Wilkins, Ruth Elizabeth	*SS*	*7*			*Metropolis*
Wilkinson, Cecil Herbert	*Agr*		*	†	*Mt. Carmel*
Wilkinson, Porter Augustus	*Com*		*	†	*Bethany*
Wilkinson, Scott Jackson	*LAS*		*		*Bethany*
Wilkinson, Wardell	*Com*	*67*	*	†	*Chicago*
Willard, Ruth Frances	*LAS*		*	†	*Decatur*
Willett, Alfred P	*LAS*			†	*Orono, Maine*
Willett, Donald Biggar	*Com*	*17*	*	†	*Oak Park*
Willey, Gilbert Stewart	*Agr (SS)*	*58½*	*	†	*Warren, Minnesota*
Williams, Bertha	*SS*				*Green Valley*
Williams, Chester Albert	*Arch*	*106*	*	†	*Sterling*
Williams, Earle Joubert	*MSE*		*	†	*Cobden*
Williams, Eugene Charles	*Com*	*31½*	*	†	*Sterling*
Williams, Frieda Katharine, A.B., (*Indiana University*), 1915	*Lib*		*	†	*Darlington, Indiana*
Williams, George Alfred	*LAS*	*63*	*	†	*Peoria*
Williams, Grace Ethel	*LAS*	*47*	*	†	*Watseka*
Williams, Harold Simpson	*LAS*		*	†	*Louisville*
Williams, Helen Jackson	*LAS*	*72*	*	†	*Streator*

Williams, Irene	*LAS*	*56*	*	†	*Ravanna, Missouri*
Williams, John B	*Com*	*60*	*	†	*Alta*
Williams, John Milton	*LAS*	*68*	*	†	*Dixon*
Williams, Norman Baldwin	*ME*		*	†	*Streator*
Williams, Oswald Howell	*SS*	*29*			*Granite City*
Williams, Paul Albert	*EE*		*	†	*Freeport*
Williams, Raymond Clendenin	*LAS*		*	†	*Ava*
Williams, Walter Higgins	*Agr*		*	†	*La Moille*
Williams, William Dudley	*Agr*		*	†	*Franklin, Arkansas*
Williamson, Harlan Aretus	*Com*	*60*	*	†	*Jacksonville*
Williamson, Jessie Christine	*Mus*		*		*Edwardsville*
Williamson, Marian	*LAS*			†	*Champaign*
Williamson, Myra Marie	*SS*	*81*			*Tuscola*
Williamson, William Richter	*Com*		*		*Lexington*
Willison, Genevieve Irene	*Com*		*	†	*Chicago*
Willits, Ward Maurice	*Com (SS)*	*68*	*	†	*Harvey*
Willson, Florence Margaret	*HSLAS*		*	†	*Bonaparte, Iowa*
Willson, Harold Edwin, B.S., 1916	*MinE (SS)*		*		*Baltimore, Maryland*
Wilson, Allen Center	*CE*	*111*	*	†	*La Grange*
Wilson, Anna Marie	*LAS (SS)*	*6*	*	†	*Princeton, Missouri*
Wilson, Carna Ethel	*LAS*		*	†	*Chicago*
Wilson, Charles Roger	*LAS*			†	*Carbondale*
Wilson, Clarence Leon	*Med*	*65*	*	†	*Carbondale*
Wilson, Donald Eugene	*LAS*	*17*	*		*Rossville*
Wilson, Donald H	*SS*	*4*			*Catlin*
Wilson, Gail Jennings	*LAS*		*	†	*Champaign*
Wilson, Grover C	*EE*	*109*	*	†	*Walnut*
Wilson, Howard Thornton	*MdP*		*	†	*McNabb*
Wilson, Jennie Ethel	*SS*	*4*			*Los Angeles, California*
Wilson, Kenneth Leon	*Agr*	*7*	*	†	*Atwood*
Wilson, Lula	*SS*	*5*			*Paris*
Wilson, Lyle Avery	*CE*	*74*	*	†	*Hamburg*
Wilson, Lyndon Rutledge	*EE (SS)*	*50*	*	†	*Chicago*
Wilson, Ralph Oliver	*Agr*	*57*	*	†	*McNabb*
Wilson, Ray Walker	*Com*	*70*	*	†	*Princeton, Missouri*
Wilson, Stephen Askew	*LAS*		*	†	*Chicago*
Wilson, Mrs. Teresa M	*Mus sp*		*		*West Liberty, Iowa*
Wilson, Willard Oliver	*Com*	*84*	*	†	*Wilmot, Mississippi*
Wilson, William Paterson	*LAS*	*65*	*	†	*Coal City*
Wilson, Winifred	*LAS*	*87*	*	†	*Atwood*
Wiltsee, Beatrice Lenore	*HSAgr*	*26*	*	†	*Marion, Indiana*
Winchester, Bessie Frances	*LAS*		*	†	*Urbana*
Windle, Clifford Cover	*Agr*	*67*	*		*Mt. Morris*
Windmiller, Anna Vivien	*LAS*	*24*	*	†	*Chicago*
Wingate, Ray Palmer	*Com*		*		*Avon*
Winkelmann, Roland Earl	*Law*	*71*	*	†	*Belleville*
Winkler, Ross Wayne	*Agr*	*64½*	*	†	*Newman*
Winn, George Pickrell	*EE*	*88*	*	†	*Kansas City, Missouri*
Winn, Glen Hollis	*Com sp*	*23*	*	†	*Chicago Heights*
Winship, Mary Alameda	*LAS*	*65*	*		*Tiskilwa*
Winslow, Lawson Tracy	*Agr*	*33*		†	*Lewiston, Montana*
Winter, Elijah	*Agr*	*76*	*		*Annawan*
Wintermute, Imogene, A.B., (*Ohio Wesleyan*), 1911	*Lib*		*	†	*Delaware, Ohio*
Winters, Lawrence Morse	*Com*	*69*	*	†	*Chicago*
Winters, Nina Lucille	*Mus*	*36*	*	†	*Kansas*
Wirt, Verna Edna	*HSLAS*	*107½*	*	†	*LeRoy*
Wirth, Fremont Philip	*LAS (SS)*	*84*	*	†	*Waterloo*
Wirth, Walter Valentine	*ChE*	*109*	*	†	*Mt. Carmel*
Wise, Eleanor Lucille	*HSLAS*		*	†	*Cerro Gordo*
Wise, Opal	*LAS*	*24*	*	†	*Champaign*
Wisegarver, Elizabeth Pauline	*LAS*	*100*	*	†	*DeLand*
Wisegarver, George Elijah	*Com*		*	†	*DeLand*
Witbeck, Helen Elizabeth	*LAS*	*61*	*	†	*Belvidere*
Witchell, Barton Edward	*EE*	*74*	*		*Vermont*
Withers, William Price	*LAS*			†	*Ashland, Wisconsin*
Witherspoon, Clyde Finley	*SS*	*51*			*Champaign*
Witherspoon, Lura Jane	*SS*	*4*			*Danville*
Withrow, Frances Louise	*LAS*	*31*	*	†	*Springfield*
Witt, Roy Bryan	*Com*		*	†	*Mendon*
Witters, Josef Edward	*LAS*	*60*	*	†	*Grand Rapids, Michigan*
Witty, Horace Lee	*Agr*		*		*Pleasant Plains*
Woelbeling, William Kenneth	*EE*	*85*	*	†	*Chicago*
Woerman, Lillian Honens	*HSLAS (SS)*	*63*	*	†	*St. Louis, Missouri*
Wold, Ingal Ensor, B.S., 1916	*SS*	*136*			*Dixon*
Wold, Leaman Archer	*Agr*		*	†	*Dixon*
Woleben, Fred Alvin	*Agr (SS)*	*27*	*	†	*Marengo*
Woleben, Wilbur Townsend	*Agr*	*66*	*	†	*Chicago*
Wolf, Elsa Caroline	*Agr sp*	*31*	*	†	*Urbana*
Wolff, Aline Jeannette	*HSLAS*	*67*	*	†	*Urbana*
Wolgast, Dora Emma	*Mus sp*		*		*Danforth*
Wolgast, Helen Violet	*LAS*		*	†	*Danforth*
Wolter, Herbert F	*Agr*	*68*	*	†	*Danville*
Wong, Marvin Yik Hseu	*Com*	*49*	*	†	*China*
Wong, Yuk Man	*ME*	*32*	*	†	*San Francisco, California*
Woo, Yin	*Com*	*115½*	*		*China*

Wood, Alger H	*SS*				*Alma, Michigan*
Wood, Benjamin	*Com*	*25*	*	†	*Independence, Missouri*
Wood, Catherine	*SS*	*8*			*Springfield*
Wood, Helen Louise	*LAS*	*31*	*	†	*Pekin*
Wood, Immo Isaac	*LAS*				*Augusta*
Wood, Lorin Alfred	*SS*	*6*			*Waggoner*
Wood, Paul Washington	*Arch*	*17*		†	*Carrollton*
Wood, Wilbur Stuart	*MdP*		*	†	*Decatur*
Woodcock, Helen Ernestine	*HSLAS*	*95*	*	†	*Ogden, Utah*
Woodham, George Elmer	*Agr*	*32*		†	*Grayville*
Woodham, Harry, A.B., 1907	*Agr*		*	†	*Albion*
Woodroofe, Louise Marie	*LAS*	*94*	*		*Champaign*
Woodrow, Raymond Burns	*Agr*	*94*	*	†	*Green Valley*
Woodruff, Arthur Eugene	*Com*	*37½*		†	*Champaign*
Woods, Andrew Chevalier, Jr.	*ME*	*106*	*	†	*Chicago*
Woods, Frances Octavia	*LAS*	*78*	*	†	*St. Louis, Missouri*
Woods, Grace Blacklidge	*LAS*	*24*	*	†	*Sterling*
Woods, Lenna Adair	*LAS*	*47*	*	†	*Champaign*
Woods, Lois May	*Lib*	*33*	*	†	*Berkeley, California*
Woods, Ralf Charles	*Agr*	*99*	*	†	*Evanston*
Woods, Ray James	*Com*	*100*	*	†	*Evanston*
Woods, Robert	*Agr*		*	†	*Chattanooga, Tennessee*
Woodward, Arthur Clinton	*SS*	*7⅚*			*Taunton, Massachusetts*
Woodworth, Paul Merrylees	*Agr sp*			†	*Chicago*
Woody, Gladys Marie	*LAS*		*	†	*Urbana*
Woodyatt, Harold	*Com*	*96½*	*	†	*Dixon*
Woolford, Robert Hugh	*MdP*	*29*	*		*Arcola*
Woolford, Samuel Ward	*LAS*	*25*	*		*Terre Haute, Indiana*
Wooley, Russell Brooks	*Com*	*6*		†	*Champaign*
Woolman, Richardine, A.B., 1916	*SS*	*133*			*Urbana*
Worcester, Richard Ladd	*Law*	*59*	*	†	*Roodhouse*
Worley, Jessie Cassandra	*LAS*		*	†	*El Paso*
Worner, Henry Harold	*Agr*	*66*	*	†	*San Jose*
Worrell, Joseph Loyd, B.S., 1913	*LAS*			†	*Bowen*
Wrede, Bertram Alfred	*CE*	*101*	*	†	*Chicago*
Wright, Donald Townsend	*ChE*	*72*	*	†	*Chicago*
Wright, Emma Parks Deal	*SS*				*McLean*
Wright, Frances Madge	*Mus*		*	†	*Champaign*
Wright, Francis Marion	*ME*	*26*	*	†	*Urbana*
Wright, George Hoyle	*ChE*		*	†	*Chicago*
Wright, Joseph William	*CerE*	*107*	*	†	*Herscher*
Wright, Kathleen	*HSAgr*		*	†	*Brocton*
Wright, Mildred Winifred	*Agr*	*62*	*	†	*Okauches, Wisconsin*
Wright, Roberta, A.B., 1914	*SS*	*131*			*Champaign*
Wright, Theodore Brooks	*Agr*		*	†	*Champaign*
Wright, William Edson	*LAS (SS)*	*62*	*	†	*Gifford*
Wright, Willie Zeno	*LAS (SS)*	*34*	*	†	*Paris*
Wrobke, Dewey Frederick	*Com*		*	†	*Maywood*
Wroby, Norman William	*ChE*		*	†	*Chicago*
Wu, Wei Yeh	*EE*	*144½*	*	†	*Hunan, China*
Wuerker, Adolph Kirsch	*Com*	*74*	*	†	*Alton*
Wuertenbaecher, Harry Edward, Jr.	*Arch*	*36*	*	†	*St. Louis, Missouri*
Wuerzinger, Ella Marie	*LAS*	*31*	*	†	*Chicago*
Wyatt, Harold Charles	*RCE*	*36½*	*	†	*Chicago*
Wyne, Clarinda Jean	*LAS*	*26½*	*	†	*Vermont*
Wyne, Walter Louis	*Com*	*84*	*	†	*Vermont*
Yackey, Otillia Emma	*HSLAS*	*60*	*	†	*St. Louis, Missouri*
Yaeger, Edgar Gabriel	*SS*	*8*			*New Baden*
Yale, Charles Ernest	*Agr*		*	†	*Aurora*
Yamamoto, Kohachiro	*LAS*			†	*Japan*
Yamashita, Narahei	*Com*		*	†	*Osaka, Japan*
Yang, Tsao Shing	*EE*	*123½*	*	†	*Washington, D. C.*
Yates, Howard Noble	*Agr*		*	†	*Buffalo*
Yeager, Floyd Hervey	*LAS*		*	†	*Douglas, Arizona*
Yeager, Harold Caldwell	*Com*		*	†	*Maywood*
Yeager, Leland Edward	*Com*	*71*	*	†	*Maywood*
Yeazel, Lloyd Homer	*LAS*	*38*	*	†	*East Lynn*
Yee, Gan Chyo	*ChE (SS)*	*105⅓*	*	†	*Hunan, China*
Yelton, Lynn Boyd	*LAS*		*	†	*Ridgefarm*
Yerington, John George	*Agr*	*66½*	*	†	*Watervliet, Michigan*
Yindrock, Leo Edwin	*MinE*	*77*	*	†	*Chicago*
Yockey, David Edwards	*Com*		*	†	*Monticello*
Yockey, Merle Albert	*Com*	*69*	*	†	*Beardstown*
Yokono, Tamisaburo	*EE*		*		*Honolulu*
Yonkman, George Earl	*CE*	*28*	*	†	*Fulton*
York, Reginald Allen	*EE*		*	†	*Chicago*
Yoshikawa, Yoshio	*EE*		*	†	*Honolulu*
Yost, Charles Frank	*Com sp*		*		*South Bend, Indiana*
Young, Arthur Tatarian	*Com*	*106*	*	†	*Chicago*
Young, Florence	*LAS*		*	†	*Newman*
Young, Maurice	*Agr*		*	†	*Newman*
Young, Philip Page	*Com*	*34*	*	†	*Chicago*
Youngblood, Alta Miriam	*LAS*	*27*	*	†	*Hoopeston*
Youngman, Wilbur Hughes	*Agr*	*37*	*	†	*Santa Paula, California*
Yount, John Joseph	*Com*	*29*	*		*Middletown, Indiana*

Yü, Lan	*Arch*		* †	*Kiang-Si, China*
Zahradka, Jerome George	*ME*	*61*	*	*Chicago*
Zaleski, Jan Paul	*Agr*	*99*	* †	*Zalesie, Poland*
Zaleski, John Thaddeus	*CerE*		* †	*Chicago*
Zaring, Ivan Armon	*SS*			*Scottsburg, Indiana*
Zearing, Dorothy Anne	*LAS*		* †	*Ladd*
Zehr, George Andrew	*EE*	*66*	* †	*Washington*
Zeiders, Emil Philip	*Agr*		* †	*Mansfield*
Zelehofer, Edna Lila	*SS*			*Leroy*
Zeller, Lawrence Willard	*Com*	*69*	* †	*Brazil, Indiana*
Zeppenfeld, Eugene William, B.S., 1914	*SS*	*136*		*St. Louis, Missouri*
Zerby, Rayborn, Lindley	*SS*	*2*		*Eureka*
Zetlmeisl, Irmgaard	*HSLAS*		†	*Laura*
Ziegenhagen, Walter	*AE*	*96*	* †	*Oak Park*
Ziegler, Arthur William	*EE*		* †	*East St. Louis*
Ziegler, John Wesley	*ME*	*37*	* †	*East St. Louis*
Zieroth, Edward Henry	*Agr*	*33*	* †	*Chicago*
Zimbelman, Frank Arthur	*EE*		* †	*Aurora*
Zimmerman, Garnet Bernice	*LAS*		* †	*Oakland*
Zimmerman, Harry Gustav	*LAS*	*33*	* †	*Peru*
Zolotkoff, Hyman Jacob	*LAS*	*31*	* †	*Chicago*
Zuckerman, Benjamin Selman	*Arch*	*36*	* †	*Chicago*

COLLEGE OF MEDICINE

Name	Year		Residence
Allen, George Albert	*1*		*Clinton*
Anderson, Richard Elseph, B.S.	*3*		*Lynn Center*
Armstrong, Clifford Oakley	*2*		*Bloomington*
Armstrong, Victor Scott	*4*	*(SS)*	*Sioux Falls, South Dakota*
Arnquist, Andrew Samuel	*1*		*New Richmond, Wisconsin*
Ascherman, Elmer Nathaniel	*1*		*Chicago*
Ashley, Rea Ernest	*1*		*Denver, Colorado*
Baker, George Newton	*1*		*Thornburg, Iowa*
Baker, William Asa	*4*		*Richmond, Maine*
Baxter, Lewis Thomas	*1*		*Astoria*
Beilin, David Solomon	*2*		*Chicago*
Benjamin, Harry Webb	*4*	*(SS)*	*Chillicothe*
Berge, Maurice Aurelius	*4*	*(SS)*	*Ransom*
Blair, Edgar Theron	*1*		*Chandlerville*
Brown, James L, Jr.	*1*		*Peoria*
Brown, Howard Storm, A.B., Ph.C., M.S.	*3*		*Norman, Oklahoma*
Brown, Lyle Leland	*3*		*Crookston, Minnesota*
Byrnes, William Armstrong	*4*	*(SS)*	*Minneapolis, Minnesota*
Cann, LeRoy R	*1*		*Chicago*
Capek, Ladislaw V	*1*		*Chicago*
Carothers, Herbert Chapman	*4*	*(SS)*	*Chicago*
Carpenter, Fred Elton	*3*		*Reasnor, Iowa*
Cecil, Eugene Randolph	*3*		*Chicago*
Champlin, Howard William	*1*		*Chicago*
Clarke, George Edward	*1*		*Noblesville, Indiana*
Cline, Gerald Morris	*1*		*LeRoy*
Cohen, Carl	*1*		*Atlanta*
Colbert, Carter Neville	*3*		*Racine, Wisconsin*
Connell, Walter Joseph	*2*		*Farley, Iowa*
Cottle, Maurice Henry	*1*		*Chicago*
Craddock, John William	*1*		*Chicago*
Crawford, Woodruff Lynden	*1*		*Pontiac,*
Curl, Howard E, A.B.	*4*		*Osborne, Kansas*
Curtis, William	*1*		*Chicago*
DaCosta, Harold Fonseca	*1*		*Chicago*
Dame, Louis	*4*	*(SS)*	*Chicago*
Dana, Winfred Peterson	*2*		*Tacoma, Washington*
Diller, Harold Francis	*1*		*Rantoul*
Donovan, Edward Vincent	*1*		*Chicago*
Douglass, Albert Eugene	*1*		*Logansport, Indiana*
Dowling, John Joseph	*1*		*Chicago*
Draper, Laurence Francis	*1*		*Clinton*
D'Vorak, Albert Charles, B.S.	*3*		*Kewaunee, Wisconsin*
Dyer, Robert Edward	*2*		*Chicago*
Dysart, Benjamin Quincy, B.S.	*3*		*Granville*
Eby, Ida	*2*		*Columbus Grove, Ohio*
Ehrlich, Maxmilian Charles	*1*		*Chicago*
Eisler, Edwin Roy	*2*		*Minneapolis, Minnesota*
Elvidge, George	*1*		*Lone Rock, Iowa*
Engerman, Max	*1*		*Chicago*
Far, Shakir Elias	*4*		*Palestine, Turkey*
Faxon, Donald Eugene	*1*		*Sandwich*
Fetherston, James Edward, B.S.	*3*		*Edmonton, Alberta*
Fisch, Max Elezar	*2*		*Chicago*
Fischer, Walton Rathfon	*1*		*Chicago*
Ford, Hanby Lewis	*1*		*Flat Rock*
Fox, Nathan Henry	*2*		*Chicago*

Francisco, Sixto Acosta	*3*	*(SS)*	*Batangas, Philippine Islands*
Fraser, John Howden	*2*		*Monticello, Iowa*
Furth, George Mathew	*1*		*Chicago*
Gabriel, Carson King	*1*		*Payson*
Gernon, Gerald Deland	*1*		*Kankakee*
Gilchrist, Virgil Martha, B.S.	*4*	*(SS)*	*Moscow, Idaho*
Goldblatt, Louis	*1*		*Chicago*
Golden, Waldo Emerson, A.B.	*4*	*(SS)*	*Champaign*
Golub, Samuel	*4*	*(SS)*	*Gitomir, Russia*
Gramer, Edward Phillip	*1*		*Chicago*
Granger, Wayne Bernard	*2*		*Phillipsburg, Kansas*
Greenfield, Jacob Rachmiel	*2*		*Brooklyn, New York*
Greenwood, Ray Ellsworth	*1*		*Kankakee*
Grissom, Calton Barney	*4*		*Syracuse, Kansas*
Groos, Louis Peter	*2*		*Escanaba, Michigan*
Gwin, Ethel Anna	*1*		*Modesto, California*
Hall, Alice Kassie, A.B.	*2*		*Chicago*
Hanson, Harlow James, B.S.	*2*		*Hutchinson, Minnesota*
Hardinger, Paul Milton	*2*		*Gays*
Hartwell, Basil Orman	*4*	*(SS)*	*Maysville, Missouri*
Hayes, Marshall Daniel	*1*		*Chicago*
Heller, Henry Frederick	*1*		*Des Plaines*
Henderson, Arthur Justin	*2*		*Lake Mills, Iowa*
Hilbert, John William	*2*		*Chicago*
Hildebrand, Gustav John	*4*		*Sheboygan, Wisconsin*
Hocum, Harold	*3*		*Minneapolis, Minnesota*
Hospers, Anthony	*1*		*Pella, Iowa*
Hottman, Herbert Harry	*1*		*Dubuque, Iowa*
Huber, Paul Robert, Ph.G.	*3*		*Chicago*
Hughart, Harold Hershall	*4*	*(SS)*	*Pocatello, Idaho*
Hyatt, Emory G	*1*		*Macon, Missouri*
Iverson, Louis	*4*	*(SS)*	*Badger, Minnesota*
Irvine, George Burgess	*1*		*Lake City, Minnesota*
Irwin, Charles Edward	*3*		*Belle Plaine, Iowa*
Jeffrey, James Robinson, Jr.	*4*	*(SS)*	*Nortonville, Kansas*
Jelinek, Joseph	*1*		*Chicago*
Jensen, Ingvald	*1*		*Chicago*
Jelliffe, Martin Bushnell	*4*	*(SS)*	*Mansfield, Ohio*
Johnson, John Walter	*1*		*Chicago*
Jones, Orion Chester	*3*		*Redmon*
Kaiser, Karl John	*1*		*Aurora*
Karatz, Morris Baron	*4*	*(SS)*	*Minneapolis, Minnesota*
Keckler, Ethel Leona	*1*		*Milledgeville*
Kelly, Everett Clyde	*2*		*Chillicothe*
Kipnis, Benzion	*2*		*Chicago*
Koptik, George, B.S.	*3*		*Chicago*
Lambertson, Everett Raymond	*1*		*Murray, Iowa*
Langlois, Harvey Louis, A.B.	*4*	*(SS)*	*Kankakee*
LaRocca, Joseph	*1*		*Chicago*
Leiserwitz, Samuel Brody	*4*	*(SS)*	*Herscher*
Leonard, Ruth	*1*		*Chicago*
Levinson, Samuel Azor	*2*		*Chicago*
Liberman, David Lionel	*3*		*St. Joseph, Missouri*
Lovellette, LeCount Rochambeau	*4*	*(SS)*	*Chicago*
Lutter, John	*1*		*Chicago*
McCoy, Henry James	*4*	*(SS)*	*Amboy*
McDermott, Raymond Adam	*2*		*Batavia*
McGrath, Floyd Lawrence	*1*		*Savanna*
McGuinness, Hugh Stanley	*2*		*Chicago*
Malcolm, William Alexander	*2*		*Higbee, Missouri*
Marcus, Morris	*2*		*Chicago*
Mars, Hartley Farnham, Ph.C.	*4*		*St. Paul Park, Minnesota*
Martin, Leon Wade, Ph.C.	*4*		*Plainwell, Michigan*
May, Edwin Ralph	*4*		*Clinton*
Meggers, Edward Charles	*4*	*(SS)*	*Walker, Iowa*
Mercey, Raymond Jones, B.S.	*3*		*St. David*
Merrill, Charles Leo	*1*		*Richmond, Utah*
Metcalf, G Stanley	*1*		*Janesville, Wisconsin*
Meyers, Carl Heinrich	*1*		*Chicago*
Miller, Myron Herbert	*1*		*Chicago*
Morin, Oswell	*2*		*Danville*
Moulton, Gertrude Evelyn, A.B.	*2*		*Reva, South Dakota*
Murphy, Thomas Benton, B.S.	*3*		*Oakesdale, Washington*
Mustell, Robert Rowlaine	*2*		*Cashmere, Washington*
Naroditsky, Samuel	*1*		*Chicago*
Noonan, William James	*1*		*Elma, Iowa*
Norwood, Lincoln Harrison	*4*	*(SS)*	*Bluejacket, Oklahoma*
Ochs, Clara Marie	*3*		*Oak Park*
Ochs, Milton Marquette	*1*		*Oak Park*
Oliver, Henry Earle	*2*		*Sigourney, Iowa*
Olson, Albert Eric	*1*		*Duluth, Minnesota*
Olson, Clarence Willard	*4*	*(SS)*	*Escanaba, Michigan*
O'Malley, Francis Xavier	*1*		*Chicago*
Orcutt, Arthur Henry, A.B., B.S.	*3*		*Arcola*
Ostler, David Elmer	*1*		*Salt Lake City, Utah*

Parker, James William, Jr.	*1*		*Peoria*
Paskind, Harry Arthur	*1*		*Chicago*
Pauker, Norbert	*1*		*Chicago*
Pelc, Joseph	*1*		*Chicago*
Perkins, Chester Henry	*3*		*Temple, Oklahoma*
Peterson, Joe Oliver	*2*		*Princeton, Minnesota*
Petrass, Andrew	*1*		*Chicago*
Pickoff, Fred, A.A.	*1*		*Chicago*
Piaseczynski, Francis	*3*		*Kamonka Str., Austria*
Pilot, Isadore	*4*	(SS)	*Chicago*
Propst, Duane Willard, A.B.	*2*		*Springfield*
Raab, Raphael August	*1*		*Chicago*
Rackliffe, Thomas Thayer	*1*		*St. Joseph, Missouri*
Radabaugh, Rudolph Charles, B.S.	*4*	(SS)	*Zumbro Falls, Minnesota*
Ramos, Rafael Alpuche	*4*	(SS)	*Campeche, Mexico*
Ray, James Henry	*4*	(SS)	*Alexander City, Alabama*
Rieke, Arthur George	*3*		*Blairstown, Iowa*
Roach, Lloyd Edward	*1*		*Tama, Iowa*
Robinson, Raymond Dudley	*1*		*Chicago*
Rogers, William Turner	*2*		*Hume*
Rosenburg, Harry Louis	*2*		*Chicago*
Royster, Hallace Rector	*4*	(SS)	*Argo*
Rubright, Franklin LeRoy	*1*		*Emerson*
Ruppenthal, Armond	*1*		*Brillion, Wisconsin*
Salpas, Spero	*4*	(SS)	*Chicago*
Sanders, George Edward	*4*	(SS)	*Champaign*
Sapper, Herbert Victor Louis, B.S., A.B.	*4*		*Chicago*
Sauer, Francis Jospeh	*4*	(SS)	*Chicago*
Schachter, Jospeh Andrew	*2*		*Chicago*
Schelm, George William, B.S.	*3*		*Denison, Iowa*
Schmidt, Elmer Jacob	*2*		*Seymour, Wisconsin*
Schmidt, Herbert	*1*		*Chicago*
Schneider, Herbert G	*1*		*Chicago*
Schroeder, Paul Louis	*2*		*Nashville*
Sered, Harry	*4*	(SS)	*Milwaukee, Wisconsin*
Sexsmith, Edna Kathryne, A.B.	*3*		*Greenfield, Iowa*
Shurtleff, Raymond S	*2*		*Cuba*
Sladek, Edward Frank, B.S.	*3*		*Chicago*
Slaughter, Mary Gertrude (Mrs.)	*1*		*Chicago*
Small, James Craig, B.S.	*4*	(SS)	*Chambersburg, Pennsylvania*
Smith, Clayton Sidney, Ph.D.	*1*		*Chicago*
Sponder, Joseph	*1*		*Chicago*
Stein, Michael	*2*		*Chicago*
Stevenson, James	*4*	(SS)	*Chicago*
Stone, Theodore	*1*		*Chicago*
Stromberg, William Benjamin	*1*		*Chicago*
Sutch, Armand Kredel	*4*		*Chicago*
Sykes, Newman Marion, B.S.	*4*		*Decatur, Alabama*
Szwajkart, Adam Leo	*4*	(SS)	*Chicago*
Taylor, Thaddeus, A.B., M.D.	*sp*		*Natchitoches, Louisiana*
Tanquary, John Hansford	*2*		*Bellmont*
Tharp, Herbert Milton	*2*		*Reasnor, Iowa*
Thomas, James Russell	*4*		*Minneapolis, Minnesota*
Thompson, Fred Rush	*1*		*Cedarville*
Vaughn, Edward Perry	*2*		*Minneapolis, Minnesota*
Velitchkoff, Metodi	*2*		*Bulgaria*
Vrtiak, Emil	*2*		*Hungary*
Waldmann, Louis Francis	*3*		*Council Bluffs, Iowa*
Wagoner, Guy Leon, B.S.	*3*		*McCombs, Iowa*
Walpe, Hyman Susan	*2*		*Chicago*
Weaver, George Lynn	*2*		*Antigo, Wisconsin*
Werner, Peter Joseph	*1*		*Chicago*
Welden, Ned Amos	*4*	(SS)	*Wheaton*
White, Cyrus Lanyon	*1*		*Mineral Point, Wisconsin*
Whitmire, Clarence Leonard	*2*		*Waverly, Iowa*
Williams, Mary Edith, A.M.	*4*		*Evanston*
Williamson, Earl Willbre	*2*		*Tuscola*
Willis, Howard Henry	*1*		*Newmarket, Ontario*
Wishenfsky, Louis Jerome	*1*		*Chicago*
Wittelle, Frank Max	*1*		*Chicago*
Wojniak, Frank	*4*		*Chicago*

COLLEGE OF DENTISTRY

Name	Year	Residence
Achinelly, Oscar L	*2*	*La Plata, Argentine Republic*
Adams, Raymond Eugene	*1*	*Chicago*
Allen, Bernard Ruben	*2*	*Chicago*
Allgeier, James Harold	*2*	*Chicago*
Anderman, Sanford	*3*	*Chicago*
Anderson, Martin R	*3*	*Lynn Center*
Arneson, Odel Thomas	*1*	*Whitehall, Wisconsin*

Arneson, J Bertram	2	*Chicago*
Bacher, William A	1	*Bayonne, New Jersey*
Baird, William Glen	3	*Portland, Oregon*
Ball, Frank	2	*State Center, Iowa*
Bashur, Abraham	2	*Burj Safita, Syria*
Baumgartner, Arthur	1	*Chicago*
Beane, Edgar Graham	3	*McKees Rocks, Pennsylvania*
Bellan, Chester P	2	*Chicago*
Bellows, Marion Ellsworth	1	*Kalamazoo, Michigan*
Berens, Vincent J	2	*Shakopee, Minnesota*
Best, Reginald	1	*Evanston*
Blatt, Arthur	1	*Chicago*
Bloom, Max	1	*Chicago*
Bluestein, Bernard	1	*Chicago*
Brennan, W Adrian	1	*Flandreau, South Dakota*
Breyer, Austin S	2	*Waupun, Wisconsin*
Briggs, Orville Clinton	2	*Columbia City, Indiana*
Brodsky, Jacob A	1	*Chicago*
Brooks, Stanley O	1	*Faulkton, South Dakota*
Brown, Clyde	2	*Plant City, Florida*
Burnstein, Harry	1	*St. Joseph, Missouri*
Bush, Earl F	1	*E. Stroudsburg, Pennsylvania*
Campbell, George A	1	*Grand Forks, North Dakota*
Carroll, Frederick William	2	*Chicago*
Carter, Lowell Jameson	1	*Des Moines, Iowa*
Chambers, Laura (Mrs.)	2	*Chicago*
Collins, Gerald Ralph	2	*Vermillion, South Dakota*
Connor, Ralph William	1	*Wilmette*
Conroy, Cecil Raymond	3	*Belleville*
Cunningham, Norris L	2	*Bowen*
Dann, Forrest	1	*Centerville, South Dakota*
Di Cosola, Septimo	1	*Chicago*
Di Cosola, Salvatore	1	*Chicago*
Dipple, Frederick C	1	*North Freedom, Wisconsin*
Dipple, Albert R	2	*North Freedom, Wisconsin*
Dodge, Charles A,D.D.S.	sp	*Chicago*
Dolson, John Lewis	3	*Charlotte, Michigan*
Doyle, Thomas Lee	1	*Fulton*
Drea, Arthur S	2	*Chicago*
Droher, Isaac H	2	*St. Joseph, Missouri*
Duke, Harrison Reed	1	*Chicago*
Dursema, Chester Davis	2	*Racine, Wisconsin*
Eklund, Egner A	3	*Cleveland, Ohio*
Erickson, Edwin O	2	*Cottonwood, Minnesota*
Evanoff, Eove	1	*Chicago*
Felz, John E	3	*Chicago*
Fine, Rachael, D.D.S.	2	*Minsk, Russia*
Finnegan, John	1	*Homer*
Forslund, Cecil W	1	*Fairbury, Nebraska*
Forwalter, Maurice	1	*Convoy, Ohio*
Franklin, Harry V	3	*Dubuque, Iowa*
Franzwa, Charles	3	*Mondovi, Wisconsin*
Freeman, Charles B	2	*Volga, South Dakota*
Geduldig, Chester J	1	*Chicago*
Goldberg, Joseph I	1	*Chicago*
Goldberg, Isadore	2	*Chicago*
Goldman, Maurice	1	*Chicago*
Gorman, Elsie (Mrs.)	1	*Sioux Falls, South Dakota*
Gorman, Francis L	2	*Chicago*
Halbmaier, Albert E	1	*Flandreau, South Dakota*
Halmhuber, Paul G	1	*Detroit, Michigan*
Hamachek, Slavie O	1	*Kewaunee, Wisconsin*
Handler, Louis	1	*Chicago*
Hein, L F A	1	*Stevens Point, Wisconsin*
Hewitt, Norman Oscar	2	*Montreal, Canada*
Hibbard, Leo C	3	*Lake Geneva, Wisconsin*
Horwich, Harvey	1	*Chicago*
Hughes, Theron Rex	1	*Berwyn*
Huseby, Richard John	1	*Grand Forks, North Dakota*
Ihde, Dean E	3	*Waupun, Wisconsin*
Jarrett, Frank Alfred	3	*Chicago*
Jaros, Joseph Edward	3	*Chicago*
Johnson, Harral Richard	3	*Aurora*
Kadlec, Lillian A	2	*Chicago*
Kalinsky, Joseph Henry	3	*Chicago*
Kane, Joseph J	1	*Mt. Pleasant, Michigan*
Kastel, Abe J	1	*Chicago*
Kawamura, Hiroshi, D.D.S.	3	*Tokyo, Japan*
Kern, Kenneth Mason	3	*Toledo, Ohio*
Ketterhagen, Alfred J	2	*Burlington, Wisconsin*
Korsbrek, Oscar	2	*Wheaton, Minnesota*
Kozinski, Lucian C	2	*Chicago*
Krost, Max Howard	2	*Chicago*
Kubacki, Wauclau	3	*Chicago*
Lace, John L	1	*Watseka*

Lambert, A Myron	*1*	*Harvey*
Landgren, Clarence A	*1*	*Fergus Falls, Minnesota*
Lapp, Samuel	*1*	*Chicago*
Lasker, Herman	*2*	*Chicago*
Lee, Carl S	*3*	*Mondovi, Wisconsin*
Lehman, Abe	*1*	*Chicago*
Levin, Solomon H	*1*	*Chicago*
Lincoln, Richard Grant	*3*	*Union Grove, Wisconsin*
Lippitz, Maurice	*1*	*Chicago*
Loomis, Clifford C	*1*	*Chicago*
Maillard, Felix McD	*1*	*Trinidad, B. W. I.*
Malter, Ernest	*1*	*Oak Park*
Marchand, Raoul Joseph	*1*	*Rolla, North Dakota*
Marsily, Genalin Raymond D	*1*	*Honolulu, Hawaii*
Masters, Lyle W	*2*	*Angola, Indiana*
McClurkin, James Lee	*3*	*Girard, Ohio*
McGugin, D N	*1*	*Pierre, South Dakota*
McKeague, L M	*1*	*Detroit, Michigan*
McNear, Philip Martin	*1*	*Columbia City, Indiana*
Meinhardi, John D	*2*	*Whitehall, Michigan*
Mershimer, James Dwight	*3*	*Chicago*
Metcalf, William George	*1*	*Streator*
Middleton, W Vance	*1*	*Des Moines, Iowa*
Miller, G A, D.D.S.	*sp*	*Chicago*
Motlong, Chauncey E	*2*	*Crete*
Nava, Jose F	*1*	*Manila, Philippine Islands*
Nemecek, Charles A	*3*	*Chicago*
Newall, Mary	*1*	*Chicago*
O'Connor, John Francis	*1*	*Chicago*
Oelschlager, John M	*3*	*Cleveland, Ohio*
Olson, William D	*2*	*Volga, South Dakota*
Ort, Robert Krider	*1*	*Cherubusco, Indiana*
Ostrowski, Theodore C	*3*	*Chicago*
Owen, Jesse S	*2*	*Chicago*
Pastor, Joseph R	*1*	*Cayey, Porto Rico*
Plevo, Joseph E	*1*	*Chicago*
Ploche, Leon R E	*1*	*Santiago, Cuba*
Pretlow, Russel T	*1*	*Winchester, Indiana*
Pyle, Benjamin G	*2*	*Kalamazoo, Michigan*
Rasmussen, Harry	*1*	*Chicago*
Reiland, Marjorie M	*1*	*E. Chicago, Indiana*
Reckard, Harry J	*3*	*Chicago*
Rice, Arthur L	*1*	*Oak Park*
Riedel, John Philip	*2*	*Chicago*
Robbins, Clarence J	*1*	*Carthage, South Dakota*
Rubenzik, Harry	*1*	*Chicago*
Rubin, Edward Allen	*3*	*Chicago*
Rund, Jaroslav	*1*	*Chicago*
Rosenthal, William	*2*	*St. Joseph, Missouri*
Sannes, Dedrik	*1*	*Madison, Wisconsin*
Savage, Edmund H	*2*	*Wheaton*
Schiltz, Albert F	*3*	*Iowa City, Iowa*
Schindler, Edward	*1*	*Kalamazoo, Michigan*
Secrest, Paul J	*3*	*Delevan*
Senty, Myron J	*2*	*Arcadia, Wisconsin*
Shalek, Victor James	*3*	*Chicago*
Shalek, Kenneth	*1*	*Chicago*
Sherman, Robert I	*3*	*Chicago*
Skolnik, Herman H	*2*	*Chicago*
Skaten, Otto M	*1*	*Whitehall, Wisconsin*
Simon, Barney H	*1*	*Chicago*
Sippy, Burne O, A.B.	*3*	*Chicago*
Smith, Barnett Quillen	*3*	*Carrollton, Missouri*
Smith, William Rudolph	*1*	*Mineral Point, Wisconsin*
Spafford, Eugene Adam	*1*	*Rockford*
Spillane, Leslie O	*1*	*Battle Creek, Michigan*
Starrett, Frederick Homer	*2*	*Hancock, Michigan*
Stiernberg, Robert C	*1*	*Port Lavaca, Texas*
Stillerman, Jacob H	*2*	*Chicago*
Stuart, Carroll W, D.D.S.	*sp*	*Chicago*
Stubbs, James Walter	*2*	*Aurora*
Swain, Herbert Dow	*1*	*Kewanee*
Tark, Leo	*3*	*Chicago*
Teter, Harry Arthur	*2*	*Chicago*
Thomas, Ashley	*2*	*Faulkton, South Dakota*
Turner, William Earl	*2*	*Wheatland, North Dakota*
Upp, Carlos Alfred	*1*	*Havana*
Vita, Emil M	*1*	*Chicago*
Weaver, William Jackson	*1*	*Raleigh, North Carolina*
Webb, E W	*1*	*Edgemont, South Dakota*
Weir, George Lester	*3*	*North Platte, Nebraska*
West, Harold	*1*	*Stevens Point, Wisconsin*
White, Leslie George	*3*	*Golden*
Wilder, Robert E	*2*	*Chicago*
Wilson, J F	*3*	*Stanberry, Missouri*

Winner, Harry	*1*	*Osseo, Wisconsin*
Winsberg, Harry	*3*	*Chicago*
Wood, Alfred Harold	*2*	*Utica, New York*
Wynkoop, William B	*3*	*St. Joseph, Michigan*
Yeatman, Oscar B	*2*	*Huntsville, Alabama*

SCHOOL OF PHARMACY, 1916-17

Name	Course[1]		Residence
Addie, Earl Harry	*P*	*sp*	*Oak Park*
Agdesteen, Oliver Toby	*P*	*2*	*Chicago*
Allen, Raymond Leslie	*P*	*1*	*Mt. Vernon*
Alstaedt, Benjamin William	*P*	*2*	*Chicago*
Anderson, Mrs. Ednah Blanche	*PC*	*2*	*Dow City, Iowa*
Anderson, Lloyd Chester	*P*	*1*	*Manitowoc, Wisconsin*
Antonello, Joseph	*P*	*sp*	*Chicago*
Babbitt, Corydon Aephalia	*P*	*2*	*Chicago*
Bagdziunas, Joseph Francis	*P*	*1*	*Chicago*
Baird, Harold Glen	*P*	*1*	*Harvard*
Bakkers, Arthur	*P*	*2*	*Chicago*
Bakkers, Mrs. Neff Kuyper	*P*	*2*	*Chicago*
Barone, Christopher	*P*	*2*	*Chicago*
Benedicto, Ernesto Vazques, A.B. (*Rizal University*) 1909	*PC*	*2*	*Manapla, Philippine Islands*
Bertsch, Raymond William	*P*	*sp*	*Galena*
Biaselli, Cosmo David	*P*	*1*	*Chicago*
Bidwell, Charles	*P*	*2*	*Albion, Indiana*
Bloch, William	*P*	*2*	*Chicago*
Bloom, Irwin	*P*	*2*	*Chicago*
Bonnen, Edward George	*P*	*1*	*Gibson City*
Borovik, Reuben Ray	*P*	*2*	*Chicago*
Bower, Miss Georgiana Grace	*P*	*1*	*Chicago*
Cagney, John Joseph	*P*	*sp*	*Chicago*
Calderon, Guillermo	*P*	*2*	*El Paso, Texas*
Calef, John Fred	*P*	*1*	*Norwood Park*
Carlson, Ethel Marie	*P*	*1*	*Hubbard Woods*
Christiansen, Carl Bernhard	*P*	*2*	*Chicago*
Chochola, James Joseph	*P*	*2*	*Chicago*
Compton, Allen Brownlow	*P*	*sp*	*Mt. Vernon*
Datz, Charles Percival	*P*	*2*	*Chicago*
DeMarti, Salvatore	*P*	*1*	*Buffalo, New York*
Dillow, Russell Lowell	*P*	*2*	*Dongola*
Dimond, Walter Harry	*P*	*1*	*Chicago*
Doherty, Daniel Joseph	*P*	*sp*	*Clinton, Iowa*
Downey, John Patrick	*P*	*2*	*Chicago*
Dunn, Ulysses Simpson, A.B. (*Lincoln University*) 1913	*P*	*2*	*Ravenna, Ohio*
Dyniewicz, Hattie Adela	*P*	*2*	*Chicago*
Dyniewicz, Josephine Marion	*P*	*2*	*Chicago*
Early, Harold Ivan	*P*	*1*	*Barry*
Easter, Joseph Henry	*P*	*1*	*East St. Louis*
Elliott, Victor Alfred	*P*	*1*	*Casey*
Feigl, Ferdinand John	*P*	*2*	*Chicago*
Ferring, Alphonze Peter	*P*	*2*	*New Vienna, Iowa*
Fineman, Paul	*P*	*sp*	*Chicago*
Flynn, William Howard	*P*	*sp*	*Springfield*
Forbrich, Edward James	*P*	*sp*	*Chicago*
Formhals, Wallace Joseph	*P*	*1*	*Ottawa*
Frederick, Albert Charles	*P*	*2*	*Chicago Heights*
Friedley, Andrew Carl	*P*	*2*	*Chicago*
Fritschell, Arno William	*P*	*1*	*Chicago*
Gendreau, Albert Earl	*P*	*sp*	*Chicago*
Goldman, Benjamin	*P*	*2*	*Chicago*
Gordon, Maurice William	*P*	*sp*	*Chicago*
Green, Leonard Ralph	*P*	*2*	*Herrin*
Grenberg, Richard Emmanuel	*P*	*1*	*Rockford*
Grosse, Arthur Gustav	*P*	*1*	*Chicago Heights*
Guild, Grant	*P*	*2*	*Geneseo*
Haeberle, Erwin John	*P*	*1*	*Broken Bow, Nebraska*
Haffner, Carl Francis	*P*	*2*	*Bloomington*
Harvey, Roy Ernest	*P*	*2*	*Chicago*
Heidbreder, Grant Henry	*P*	*2*	*Quincy*
Hesse, Calvin William	*P*	*sp*	*Springfield*
Hlavacek, Louis	*P*	*sp*	*Chicago*
House, Lester Allen	*P*	*1*	*DuQuoin*
Huhn, William	*P*	*sp*	*Chicago*
Johannes, Fred Richard	*P*	*sp*	*Chicago*
Jordan, Clement	*P*	*2*	*Wapella*
Kahler, Howard Morris	*P*	*1*	*Rochelle*

[1] Abbreviations: P, Pharmacy; PC, Pharmaceutical Chemistry; 1, first year; 2, second year; sp, special.

Kaminski, Richard Marshall	*P*	*2*	*Chicago*
Kaplan, Samuel Salmon	*PC*	*2*	*Chicago*
Kaspar, William John	*P*	*1*	*Chicago*
Kell, Richard Marcellus	*P*	*1*	*Mobile, Alabama*
Klein, Beulah	*P*	*2*	*Downers Grove*
Kmiecik, Stanley	*P*	*1*	*Chicago*
Kodl, Albert James	*P*	*sp*	*Chicago*
Koepsell, Willie Edward	*P*	*sp*	*Mayville, Wisconsin*
Koontz, John Charles	*P*	*sp*	*Streator*
Kunkel, Wayne Andrew	*P*	*1*	*Litchfield*
Landers, Chester Arthur	*P*	*1*	*Oregon*
Latsis, Harry Hlia	*PC*	*2*	*Chicago*
Lenz, Charles Gustave	*P*	*1*	*Chicago*
Leone, John Edwin	*P*	*2*	*Chicago*
Levy, John Arthur	*P*	*1*	*Chicago*
Lindahl, John Harry	*P*	*sp*	*Chicago*
Lowe, Charles Edward	*P*	*sp*	*Marion, Indiana*
Lundgren, Oscar Ludvick	*P*	*2*	*Highland Park*
Lyons, Owen Merle	*P*	*sp*	*Cuba*
McDonald, William James	*P*	*2*	*Murphysboro*
McGinnis, Walter Thomas	*P*	*2*	*Rochelle*
McClure, Miss Pauline	*P*	*1*	*Chicago*
McCool, Frank Sell	*P*	*sp*	*Springfield*
Marshall, Bruce Scott	*P*	*2*	*Chicago*
Mayerson, Alexander Carl	*P*	*1*	*Chicago*
Melvin, James Edwin	*P*	*2*	*Chicago*
Menard, Wilfred Ignatius	*P*	*1*	*Chicago*
Menella, Vincent Robert	*P*	*2*	*Chicago*
Miller, Carl Theodore	*P*	*2*	*Chicago*
Muench, Adam Ernest	*P*	*1*	*Glencoe*
Neumann, Herbert Leonard	*P*	*2*	*Chicago*
Nichols, Hiram Vanderbilt	*P*	*2*	*Chicago*
Olk, John Jacob	*P*	*sp*	*Chicago*
Ostrowski, Bernice Antoinette	*P*	*2*	*Hammond, Indiana*
Owens, Hubert Fred	*P*	*1*	*Clinton*
Parkhurst, Ralph	*P*	*sp*	*Effingham*
Pelikan, Mrs. Alice Eliska	*P*	*2*	*Chicago*
Perez, Victor	*P*	*sp*	*Seyba, San Domingo, W. I.*
Person, Frank Daniel	*P*	*2*	*Chicago*
Petronek, Charles Wesley	*P*	*sp*	*Kankakee*
Pieper, Henry Anthony	*P*	*2*	*Jacksonville*
Pohlman, Paul Henry	*P*	*2*	*Pelatine*
Porter, Lillian	*P*	*2*	*Chicago*
Post, Charles Ezra	*P*	*2*	*Chicago*
Prutsman, Harold Claude	*P*	*2*	*Princeton*
Ralph, William Francis	*P*	*1*	*Odell*
Rauschert, Emil Paul	*P*	*2*	*Chicago*
Reisman, Samuel	*P*	*sp*	*Chicago*
Robinson, Adrian Arthur	*P*	*1*	*Rockford*
Robinson, Garnsie H	*P*	*2*	*Rockford*
Roman, Miguel Angel	*P*	*2*	*Santiago, San Domingo, W. I.*
Ruder, Mrs. Rose J	*P*	*2*	*Chicago*
Sallmann, Frank	*P*	*sp*	*Pullman*
Schobert, Rudolph Johannes	*P*	*2*	*Chicago*
Schreyer, Michael	*P*	*sp*	*Chicago*
Seibert, Lyle Albert	*P*	*2*	*Ashley*
Shapiro, Leo Harold	*PC*	*2*	*Chicago*
Shindler, Harold Allen	*P*	*1*	*Litchfield*
Shine, Joseph John	*P*	*sp*	*Chicago*
Siewers, Karl Lyons	*P*	*1*	*Evanston*
Silberberg, Gust	*P*	*sp*	*Chicago*
Silverman, Samuel	*P*	*sp*	*Chicago*
Simmons, Donald Fletcher	*P*	*2*	*Girard*
Slepicka, Irwin Miles	*PC*	*2*	*Cicero*
Smith, Franklin Pierce	*P*	*1*	*Rising Sun, Indiana*
Smith, Gene William	*P*	*sp*	*Fillmore*
Snyder, Dayle Albert	*P*	*2*	*Astoria*
Snyder, John Samuel	*P*	*1*	*Boonsboro, Maryland*
Steffen, Edward Diedrich	*P*	*2*	*Whitefish, Montana*
Stein, Victor	*P*	*2*	*Chicago*
Steinweg, Walter Charles	*P*	*2*	*Chicago*
Still, Perrie Clayton	*P*	*2*	*DeKalb*
Tate, William Mack	*P*	*1*	*Pine Bluff, Arkansas*
Thompson, Raymond Lu	*P*	*1*	*DuQuoin*
Thoroman, Ralph Rickey	*PC*	*2*	*Mt. Sterling*
Turnell, Edward Oscar	*P*	*sp*	*Chicago*
Ude, Louis Edward	*P*	*2*	*Carmi*
Unger, Joseph August	*P*	*1*	*Rochelle*
Vahlteich, Hans Walter	*P*	*2*	*Chicago*
Vovesney, Joseph Paul	*P*	*2*	*Chicago*
Ward, Burt Hamor	*P*	*1*	*Toulon*
Warren, Leslie Ernest	*P*	*2*	*Waukegan*
Wherley, Homer Leo	*P*	*1*	*Astoria*
White, Edward Napoleon	*P*	*1*	*Mounds*
Whittington, Omar Rosewell	*P*	*2*	*Waldron, Arkansas*

Wilson, Charles Harvey	*P*	*2*	*Pomona, California*
Wilson, Ruth Frieda	*PC*	*2*	*Chicago*
Windmueller, Ralph William	*P*	*1*	*Chicago*
Wisniewski, Thomas Al	*P*	*sp*	*Chicago*
Wong, Ping Wa	*P*	*1*	*Hong Kong, China*
Wood, George Washington	*P*	*1*	*Chicago*
Worsham, Irl Conger	*P*	*sp*	*Guthrie, Missouri*
Wyle, Arnim Robert	*P*	*1*	*Waverly*
Yule, Paul Watson	*P*	*1*	*Harcourt, Iowa*

DEGREES CONFERRED

1916

THE UNDERGRADUATE COLLEGES

Degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Music

Conferred June 14, 1916

DANIEL ARTHUR ALBRECHT, Bachelor of Arts (Science)
JOHN ALVA ALEXANDER, Bachelor of Arts (Science)
EUGENIE ALLAIS, Bachelor of Arts (Liberal Arts)
ALICE ALEXANDRIA ALLEN, Bachelor of Arts (Liberal Arts)
ERNEST VICTOR ALLEN, Bachelor of Science (Mining Engineering)
FRANK OSCAR ALLEN, Bachelor of Arts (Liberal Arts)
PAUL GLEN ALLEN, Bachelor of Arts (Liberal Arts)
WORTH ARTHUR ALLISON, Bachelor of Arts (Liberal Arts); Bachelor of Science (Agriculture)
GENEVIEVE RAYMOND ALVORD, Bachelor of Arts (Liberal Arts)
MERVIL CARLYLE ALYEA, Bachelor of Science (Agriculture)
LOUISE AMBORN, Bachelor of Arts (Liberal Arts)
DOUGLAS JACQUES AMOS, Bachelor of Science (Agriculture)
PAUL DONALD AMSBARY, Bachelor of Science (Architecture)
OWEN HUNTINGTON ANDERSON, Bachelor of Science (Mechanical Engineering)
HARRY LEE ANDREWS, Bachelor of Arts (Liberal Arts)
ROSCOE CRUM ANDREWS, Bachelor of Arts (Liberal Arts)
FREDERICK VERNE ARBER, Bachelor of Arts (Liberal Arts)
WILLIAM LOUIS ASHBECK, Bachelor of Science (Architectural Engineering)
HOMER FRANKLIN ATTEBERY, Bachelor of Science (Agriculture)
RALPH EDGAR AUGUSTAS, Bachelor of Science (Agriculture)
JOHN THOMPSON AUTEN, Bachelor of Science (Agriculture)
JENNIE MAY BABCOCK, Bachelor of Arts (Liberal Arts)
ROBERT HAMILTON BACON, Bachelor of Science (Electrical Engineering)
WALLACE BOTHWELL BAIN, Bachelor of Science (Agriculture)
WALTER EARL BAKER, Bachelor of Arts (Commerce)
SARVA RUPA BAKHSHI, Bachelor of Science (Railway Civil Engineering)
JANET CHRISTINE BALDWIN, Bachelor of Arts (Liberal Arts)
LEO STARR BALDWIN, Bachelor of Arts (Science); Bachelor of Science (Architectural Engineering)
SALOME ROSE BALKEMA, Bachelor of Arts (Liberal Arts)
JOHN KENNETH BARBER, Bachelor of Arts (Liberal Arts)
ANNA LAURA BARDWELL, Bachelor of Arts (Liberal Arts)
OTIS AVERY BARNES, Bachelor of Science (Science)[1]
RUSSELL DANIEL BARNES, Bachelor of Science (Architectural Engineering)
NELLIE FLORA BARTELLS, Bachelor of Arts (Liberal Arts)
EDWARD FRED BARTH, Bachelor of Science (Agriculture)
JAMES SUMMERFIELD BARTHOLOW, Bachelor of Arts (Liberal Arts)
JOHN SOLOMON BARTLEY, Bachelor of Science (Architecture)
HARRIETT THOMPSON BARTO, Bachelor of Arts (Liberal Arts)
FRANK HERMAN BEACH, Bachelor of Arts (Liberal Arts)
WALTER HUBERT BEAL, Bachelor of Arts (Liberal Arts)
EDWARD CORBYN OBERT BEATTY, Bachelor of Arts (Liberal Arts)
WARREN PLATT BEAUBIEN, Bachelor of Science (Architectural Engineering)
EDWIN ADAMS BEBB, Bachelor of Science (Agriculture)
FORREST BEBB, Bachelor of Science (Agriculture)
LEWIS MICHAEL BECKER, Bachelor of Science (Mechanical Engineering)
HERBERT RICHARD BEHR, Bachelor of Science (Electrical Engineering)
HELEN BEHRENSMEYER, Bachelor of Arts (Liberal Arts)
KENNETH CORWIN BELL, Bachelor of Arts (Commerce)
CHARLES FRANKLIN BELSHAW, Bachelor of Science (Mechanical Engineering)
JOHN SHAFER BELTZ, Bachelor of Science (Electrical Engineering)
FRANK LUVERNE BENNETT, Bachelor of Science (Agriculture)
HAZEL MARGUERITE BENNETT, Bachelor of Arts (Liberal Arts)
CLARENCE LOUIS BENTZ, Bachelor of Science (Architectural Engineering)
BEN CONRAD BERG, Bachelor of Arts (Liberal Arts)[1]
MARIE VALENTINE BERLIN, Bachelor of Arts (Liberal Arts)
JOSEPHINE ELIZABETH BERNHARDT, Bachelor of Arts (Liberal Arts)
ALBON LEDRU BEVIS, Bachelor of Arts (Commerce)
ELIZABETH GUNDER BEYER, Bachelor of Arts (Liberal Arts)
MARIE TERESA BLEUEL, Bachelor of Arts (Science)
EDWARD STEVENSON BLOCK, Bachelor of Science (Agriculture)
HSI-FAN BOGGS, Bachelor of Arts (Commerce)
EMERSON FRANKLIN BOLINGER, Bachelor of Science (Electrical Engineering)
CLINTON L A BOOKEMOHLE, Bachelor of Science (Architectural Engineering)
WALTER FRED BOYE, Bachelor of Arts (Liberal Arts)

[1] With thesis.

John Thomas Bradley, Bachelor of Arts (Commerce)
George Keyports Brady, Bachelor of Arts (Liberal Arts)
Emil George Brandner, Bachelor of Arts (Liberal Arts)
Joseph Franklin Brandon, Bachelor of Science (Agriculture)
John Breedis, Bachelor of Science (Science)[1]
Emma Matilda Breitstadt, Bachelor of Arts (Liberal Arts)
Hulda Charlotte Breitstadt, Bachelor of Arts (Liberal Arts)
Amos Lloyd Breneman, Bachelor of Science (Agriculture)
Clell McArthur Brentlinger, Bachelor of Science (Electrical Engineering)
Verne William Brinkerhoff, Bachelor of Science (Science)
Roger Beckwith Bronson, Bachelor of Arts (Commerce)
Ethel Isabel Brooks, Bachelor of Arts (Liberal Arts)
Raymond Harrison Brooks, Bachelor of Science (Agriculture)
Bayard Brown, Bachelor of Science (Agriculture)
Clair William Brown, Bachelor of Science (Agriculture)
Kenneth George Brown, Bachelor of Arts (Liberal Arts)
Lisbeth Brown, Bachelor of Arts (Liberal Arts)
Robert Rea Brown, Bachelor of Arts (Commerce)
Earl Vivian Bruington, Bachelor of Science (Agriculture)
Orello Simmons Buckner, Bachelor of Science (Ceramics)
Temple Hoyne Buell, Bachelor of Science (Architecture)
Abraham Samuel Buhai, Bachelor of Science (Ceramic Engineering)
Lloyd Daniel Bunting, Bachelor of Arts (Liberal Arts)
David Warner Burgoon, Bachelor of Science (Electrical Engineering)
Paul Henry Burkhart, Bachelor of Science (Electrical Engineering)
Clifford Clare Burns, Bachelor of Science (Agriculture)
Owen McIntosh Burns, Bachelor of Arts (Liberal Arts)
Thomas Henry Burrell, Bachelor of Science (Architectural Engineering)
Ralph Samuel Burwash, Bachelor of Science (Mechanical Engineering)
Kenneth Burman Bush, Bachelor of Science (Civil Engineering)
Chester Junius Cadle, Bachelor of Arts (Commerce)
David Joseph Campbell, Bachelor of Science (Agriculture)
Carrie Esther Carlson, Bachelor of Arts (Liberal Arts)
Lee Russell Carlson, Bachelor of Arts (Commerce)
Franklin Otis Carroll, Bachelor of Science (Railway Electrical Engineering)
Russell D V Castle, Bachelor of Arts (Commerce)
Grace Elizabeth Champlin, Bachelor of Science (Agriculture)
Tien Tsai Chang, Bachelor of Science (Agriculture)
John Baptist Chartrand, Bachelor of Science (Electrical Engineering)
Carney Edward Chatten, Bachelor of Arts (Science)
Lan Sung Chen, Bachelor of Arts (Commerce)
Dorothy Chew, Bachelor of Arts (Liberal Arts)
Glen Christy, B.Mus., Bachelor of Arts (Liberal Arts)
Otto Christy, Bachelor of Science (Agriculture)
Edmund Cieslik, Bachelor of Science (Civil Engineering)
George Clark, Bachelor of Science (Agriculture)
Harold Edward Clark, Bachelor of Science (Ceramics)
James Russell Clark, Bachelor of Science (Architecture)
Meribah Eliza Clark, Bachelor of Arts (Liberal Arts)
Albert Jay Clarkson, Bachelor of Science (Railway Electrical Engineering)
Clara Alice Clausen, Bachelor of Arts (Liberal Arts)
Dorothea Marion Clayberg, Bachelor of Science (Architecture)
Howard John Clinebell, Bachelor of Science (Agriculture)
Frieda Cobb, Bachelor of Arts (Science)
Russell Smith Colton, Bachelor of Science (Municipal and Sanitary Engineering)
David Oris Conley, Bachelor of Arts (Medicine)
Richard Newell Coolidge, Bachelor of Science (Civil Engineering)
Gabriel Victor Cools, Bachelor of Arts (Liberal Arts)
Charles Edward Cooper, Bachelor of Science (Agriculture)
David William Cooper, Bachelor of Science (Electrical Engineering)
Edward Alden Cooper, Bachelor of Arts (Science)
Vail Cordell, Bachelor of Arts (Liberal Arts)
Bruce Herbert Corzine, Bachelor of Arts (Liberal Arts)
Manoel Ferreira de Costa, Bachelor of Science (Electrical Engineering)
Licinio da Silva Couto, Bachelor of Science (Electrical Engineering)
Clinton Harriman Cowgill, Bachelor of Science (Architecture)
Dudley Winthrop Crane, Bachelor of Science (Agriculture)
Thomas Carl Cravens, Bachelor of Science (Agriculture)
John Powell Crebs, Bachelor of Science (Agriculture)
Hilda Marion Croll, Bachelor of Arts (Liberal Arts)
Harold Fordyce Crooks, Bachelor of Arts (Science)
Henry Fay Crosby, Bachelor of Science (Agriculture)
George Arthur Cross, Bachelor of Science (Agriculture)
William Crutchfield, Bachelor of Science (Architecture)
John DeWitt Culp, Bachelor of Science (Civil Engineering)
George Curtiss, Bachelor of Science (Agriculture)
William Goss Curtiss, Bachelor of Science (Agriculture) Class of 1882
Dorothy Lucile Cuthbert, Bachelor of Arts (Liberal Arts)
John William Dammers, Bachelor of Science (Science)
Clara Elizabeth Davis, Bachelor of Music
Martha Laurafred Davis, Bachelor of Arts (Liberal Arts)
Lister Alward Deaver, Bachelor of Science (Ceramics)
Raymond Edward Denz, Bachelor of Arts (Liberal Arts)

[1]With thesis.

Lucy Leonora Dewolfe, Bachelor of Arts (Liberal Arts)
Harry Charles Dibell, Bachelor of Arts (Commerce)
Clarence Richard Dietmeier, Bachelor of Arts (Commerce)
Lois Ellen Dodds, Bachelor of Arts (Liberal Arts)
John Riley Donaldson, Bachelor of Science (Civil Engineering)
Allan Douglas Donnell, Bachelor of Science (Electrical Engineering)
Mary Elva Dorsett, Bachelor of Science (Agriculture)
John Francis Doyle, Bachelor of Arts (Commerce)
Henry Edward Dralle, Bachelor of Science (Electrical Engineering)
Mildred Evangeline Drew, Bachelor of Arts (Liberal Arts)
Frank James DuFrain, Bachelor of Arts (Liberal Arts)
Frank Leroy Dunavan, Bachelor of Science (Civil Engineering)
Effie Charlotte Dunlap, Bachelor of Arts (Commerce)
Francis Ellsworth Dunlap, Bachelor of Science (Architecture)
Ellen Frances Dwyer, Bachelor of Arts (Liberal Arts)
Bess East, Bachelor of Arts (Liberal Arts)
Rex Carr Eaton, Bachelor of Science (Agriculture)
Elmer Tryon Ebersol, M.S., Bachelor of Science (Agriculture)
M Reece Edwards, Bachelor of Science (Agriculture)
Henry Emanuel Ekstrand, Bachelor of Science (Architecture)
Harvey Ellis, Bachelor of Arts (Commerce)
Wyatt Goan Emmond, Bachelor of Arts (Commerce)
John Gottlieb Eppinger, Bachelor of Arts (Commerce)
Carl Paul Ernst, Bachelor of Science (Civil Engineering)
Elmore George Ernst, Bachelor of Science (Architecture)
Eugene Philip Fager, Bachelor of Arts (Science)
Saleem Razi Farah, Bachelor of Science (Agriculture)
Albert Ayrton Farnham, Bachelor of Science (Agriculture)
Miriam Rebecca Fasold, Bachelor of Arts (Liberal Arts)[1]
Ruth Catherine Fedde, Bachelor of Arts (Liberal Arts)
Joseph Elmer Feldman, Bachelor of Science (Agriculture)
Walter Blaine Felger, Bachelor of Arts (Science)
Florence Roxana Ferguson, Bachelor of Arts (Liberal Arts)
Frank Cleveland Ferguson, Bachelor of Arts (Liberal Arts)
Clarence Eugene Fifield, Bachelor of Arts (Commerce)
James Henry Finnegan, Bachelor of Science (Agriculture)
Lawrence Fisher (as of the class of 1891), Bachelor of Science (Architecture)
Erwin Fisher, Bachelor of Arts (Commerce)
Eva Josephine Fisher, Bachelor of Arts (Liberal Arts)
Helen Vastine Fisher, Bachelor of Arts (Liberal Arts)
Alvin Texas Fishman, Bachelor of Science (Agriculture)
Leora Almita Fitz-Gerald, Bachelor of Arts (Liberal Arts)[1]
Jack Allen Fitzgerrell, Bachelor of Science (Agriculture)
Denna Frank Fleming, Bachelor of Arts (Liberal Arts)
Frederick Rudolfh Fletemeyer, Bachelor of Science (Architectural Engineering)
Ernesto Augusto Fock, Bachelor of Science (Civil Engineering)
Mildred Lillian Forkey, Bachelor of Science (Agriculture)
Claude Clifford Foulke, Bachelor of Arts (Commerce)
Helen Elizabeth Francis, Bachelor of Arts (Liberal Arts)[1]
Anna Dora Frazee, Bachelor of Arts (Liberal Arts)
Parke West Freark, Bachelor of Science (Municipal and Sanitary Engineering)
John Frier, Bachelor of Science (Mechanical Engineering)
Guy Chandler Fulton, Bachelor of Science (Architecture)
John Howard Gage, Bachelor of Arts (Science)[1]
Elwyn Tracy Gants, Bachelor of Science (Mechanical Engineering)
Joseph Frederick Gauger, Bachelor of Science (Agriculture)
Robert Edwin Gayle, Bachelor of Science (Agriculture)
Evelyn Ella Gehant, Bachelor of Science (Agriculture)
Rosalie Florence Gehant, Bachelor of Science (Agriculture)
George Albert Geib, Bachelor of Science (Civil Engineering)
Grace Mildred Geyer, Bachelor of Arts (Liberal Arts)
Oscar Harry Gibson, Bachelor of Arts (Liberal Arts)
Minnie Ellen Gilbert, Bachelor of Arts (Liberal Arts)
John Ray Gilkey, Bachelor of Science (Agriculture)
Barbara Frances Glessing, Bachelor of Arts (Liberal Arts)
Everett E Glick, Bachelor of Science (Agriculture)
Donald Mitchell Glover, Bachelor of Arts (Medicine)
Reuel Ariel Godehn, Bachelor of Science (Architectural Engineering)
William Henry Goelitz, Bachelor of Arts (Commerce)
Robert Sidney Goldstein, Bachelor of Science (Railway Civil Engineering)
Gretchen Louise Gooch, Bachelor of Arts (Liberal Arts)
John Christian Grabbe, Bachelor of Science (Agriculture)
Albert Ambrose Ignatius Graff, Bachelor of Science (Electrical Engineering)
Clarence Todd Grant, Bachelor of Science (Electrical Engineering)
Ruth Margaret Grant, Bachelor of Arts (Liberal Arts)
Ruth Gray, Bachelor of Arts (Liberal Arts)
John Edward Grayback, Jr., Bachelor of Science (Civil Engineering)
Louis Jacob Greengard, Bachelor of Science (Agriculture)[1]
Hans Peter Greison, Bachelor of Arts (Commerce)
William Whiting Gridley, Bachelor of Arts (Commerce)
Leroy Oliver Grieser, Bachelor of Science (Agriculture)
Francis Dickerson Griffith, Bachelor of Science (Agriculture)
John Elmer Gruner, Bachelor of Science (Electrical Engineering)

[1] With thesis.

HERMAN C GRUNEWALD, Bachelor of Science (Civil Engineering)
HARRY ALLEN GUM, Bachelor of Science (Mechanical Engineering)
LESLIE MONROE GUMM, Bachelor of Science (Electrical Engineering)
WOODWARD WILLIAM GUNKEL, Bachelor of Arts (Commerce)
GEORGE PHILIP GUSTAFSON, Bachelor of Arts (Commerce)
KATSUKI HADA, Bachelor of Arts (Liberal Arts) [1]
CHESTER GILBERT HADDEN, Bachelor of Science (Agriculture)
THOMAS ANGUS HAGAN, Bachelor of Science, (Agriculture)
FRED CHARLES HAHN, Bachelor of Science (Science) [1]
FOREST LIVINGSTON HAINES, Bachelor of Arts (Commerce)
MINNIE THOMAS HAKE, Bachelor of Arts (Liberal Arts)
WALTER HENRY HALAS, Bachelor of Science (Architectural Engineering)
CHARLES MORGAN HALBRUGE, Bachelor of Arts (Commerce)
PAULINE HALLIWELL, Bachelor of Arts (Liberal Arts)
EUGENE CARL HAMILL, Bachelor of Science (Architectural Engineering)
RAUL HANNUSH, Bachelor of Science (Agriculture)
STANLEY HANSEN, Bachelor of Science (Mechanical Engineering)
TSO CHANG HAO, Bachelor of Arts (Commerce)
ALBERT AUSTIN HARDING, Bachelor of Music
LAURA ELLEN HARTMAN, Bachelor of Arts (Liberal Arts)
ELODIA FERNE HARRIS, Bachelor of Arts (Liberal Arts)
LEO GABRIEL HARRIS, Bachelor of Arts (Commerce)
RALPH FRAME HARVEY, Bachelor of Science (Agriculture)
SYLVAN DIX HARWOOD, Bachelor of Arts (Liberal Arts)
CARL OTTO HAWKINSON, Bachelor of Science (Architectural Engineering)
EMIN WITHERSPOON HAWKINS, Bachelor of Science (Agriculture)
FRANCIS LEO HEADLEY, Bachelor of Science (Agriculture)
DWIGHT FREDERICK HEATH, Bachelor of Arts (Science) [1]
ROY THOMAS HECKETSWEILER, Bachelor of Arts (Liberal Arts) [1]
NELLIE MAY HEDGCOCK, Bachelor of Arts (Liberal Arts)
BERTRAM ATKINSON HEDGES, Bachelor of Arts (Liberal Arts) [1]
EDNA MAY HEDRICK, Bachelor of Arts (Liberal Arts)
GEORGE SAMUEL HEDRICK, Bachelor of Science (Agriculture)
JOHN HAROLD HEINDEL, Bachelor of Science (Architectural Engineering)
AGNES JOHANNA SOPHIA HELMREICH, Bachelor of Arts (Liberal Arts)
ALEXANDER SWIFT HENDERSON, Bachelor of Arts (Science)
FRANK SPOOR HENDERSON, Bachelor of Science (Electrical Engineering)
JAMES BRUCE HENDERSON, Bachelor of Science (Agriculture)
ELFREDA VIOLA HENNINGS, Bachelor of Arts (Liberal Arts)
OKLA HAROLD HERSHMAN, Bachelor of Science (Mechanical Engineering)
LEONARD B HIEBEL, Bachelor of Science (Agriculture)
IRMA MAY HIGGINS, Bachelor of Arts (Liberal Arts)
FRED JAMES HILL, Bachelor of Science (Ceramics)
JAMES EDWARD HILL, Bachelor of Science (Agriculture)
LUCY BELLE HILL, Bachelor of Music
WARREN ELLIOTT HILL, Bachelor of Science (Agriculture)
EDWARD GEORGE HIRT, Jr., Bachelor of Science (Architecture)
LAURA EDNA HIRTH, Bachelor of Science (Agriculture)
MABEL HITT, Bachelor of Arts (Liberal Arts)
FREMONT JOHN AUGUST HOEHN, Bachelor of Science (Ceramics)
ELMO PAUL HOHMAN, Bachelor of Arts (Liberal Arts) [1]
ARNOLD CARL HOLINGER, Bachelor of Science (Architectural Engineering)
BLANCHE LOUISE HOLLANDSWORTH, Bachelor of Arts (Liberal Arts)
DAVID PRESTON HOLLIS, Bachelor of Arts (Liberal Arts)
CHARLES VERNON HOLMES, Bachelor of Arts (Science)
DORIS JEAN HOLLOWAY, Bachelor of Arts (Liberal Arts)
HARRY STEVENS HOLTZE, Bachelor of Science (Architectural Engineering)
GOLD SAMUEL HOPKINS, Bachelor of Arts (Commerce)
DOROTHY STEWART HORMEL, Bachelor of Arts (Liberal Arts)
OLIVE DEAN HORMEL, Bachelor of Arts (Liberal Arts) [1]
SUSAN EUNICE HOSFORD, Bachelor of Arts (Liberal Arts)
BRUCE QUIN HOSKINSON, Bachelor of Arts (Liberal Arts)
WALDERN HENRY HOUGH, Bachelor of Science (Architectural Engineering)
IRMA L HOUSER, Bachelor of Arts (Liberal Arts)
CHARLES RALPH HOWE, Bachelor of Science (Agriculture)
WILLIAM THOMAS HOWE, Bachelor of Science (Agriculture)
GRACE LAURA HOWELL, Bachelor of Arts (Liberal Arts)
WILLIS WILKINSON HUBBARD, Bachelor of Science (Architecture)
CHARLES THURMAN HUFFORD, Bachelor of Science (Agriculture)
KENNETH BLAINE HUMPHREY, Bachelor of Science (Electrical Engineering)
CHARLES EVERETT HUNGERFORD, Bachelor of Science (Municipal and Sanitary Engineering)
FRANK SUMNER HUNT, Bachelor of Science (Ceramics)
LESLIE LYMAN HUNT, Bachelor of Science (Agriculture)
HOMER IRVING HUNTINGTON, Bachelor of Science (Agriculture)
OLIVER CROMWELL KEMP HUTCHINSON, Bachelor of Science (Mechanical Engineering)
ROBERT HYNDMAN, Jr., Bachelor of Science (Electrical Engineering)
CORA EDNA JACKSON HYPES, Bachelor of Arts (Liberal Arts)
GEORGE WILLIAM HYPES, Bachelor of Science (Agriculture)
JAMES LOWELL HYPES, Bachelor of Arts (Liberal Arts)
OLIVER STAPP IMES, Bachelor of Science (Electrical Engineering)
HORACE BALLOU INGALS, Bachelor of Science (Agriculture)
SHERMAN INGELS, Bachelor of Science (Agriculture)
CHARLES HAROLD JACKMAN, Bachelor of Science (Mechanical Engineering)

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[1] With thesis.

ROWLING JARVIS, Bachelor of Science (Electrical Engineering)
JOHN BENJAMIN JEFFERSON, Bachelor of Science (Mechanical Engineering)
CARSON GARY JENNINGS, Bachelor of Science (Civil Engineering)
FLORENCE MAY JERVIS, Bachelor of Music
LEO CHARLES JEZ, Bachelor of Science (Agriculture)
EDNA LOUISE JOHNSON, Bachelor of Arts (Science)
MARY FERN JOHNSON, Bachelor of Arts (Liberal Arts)
MARCUS LEONARD JOHNSON, Bachelor of Science (Civil Engineering)
MAURICE CARL JOHNSON, Bachelor of Science (Mechanical Engineering)
MAYNARD WAYNE JOHNSON, Bachelor of Arts (Commerce)
DWIGHT IRWIN JOHNSTON, Bachelor of Arts (Commerce)
DAVID ROBERT JONES, Bachelor of Science (Civil Engineering)
J RUSSELL JONES, Bachelor of Arts (Commerce)
MILDRED JOYNER, Bachelor of Arts (Liberal Arts)
LOUIS FREDERICK JUNGKUNZ, Bachelor of Arts (Commerce)
MAX JOSEPH KADINSKY, Bachelor of Science (Railway Civil Engineering)
THOMAS DEBENHAM KAHLERT, Bachelor of Science (Agriculture)
RUFUS MAURICE KAMM, Bachelor of Science (Science) [1]
WILBUR FRED KAMM, Bachelor of Arts (Science) [1]
ROBERT CLAIR KANE, Bachelor of Science (Electrical Engineering)
JAMES KANTOR, Bachelor of Sicence (Electrical Engineering)
AIVA HUGO KARRAKER, Bachelor of Science (Agriculture)
WILLIAM HENRY KASTEN, Bachelor of Science (Agriculture)
TANE KAWAMOTO, Bachelor of Science (Electrical Engineering)
WALTER MOORE KEACH, Bachelor of Science (Agriculture)
ORO SYLVESTER KEENER, Bachelor of Science (Science) [1]
SAKAI KEITOKU, Bachelor of Arts (Liberal Arts)
ARTHUR RAYMOND KELLER, Bachelor of Science (Civil Engineering)
FRANCIS HUGH KELLEY, Bachelor of Science (Agriculture)
HENRY PHILIPS KELLEY, Bachelor of Science (Agriculture)
SAMUEL ADAMS KELLOGG, A.B., Bachelor of Science (Agriculture)
BYRON FLORENCE KENNER, Bachelor of Science, (Mechanical Engineering)
VERNON HARLOW KERN, Bachelor of Science (Agriculture)
PAUL PETER KIESSIG, Bachelor of Science (Agriculture)
LEVETT KIMMEL, Bachelor of Science (Agriculture)
DEWITT LEONARD KING, Bachelor of Science (Mechanical Engineering)
VIVIAN KING, Bachelor of Arts (Liberal Arts)
ARMIN MARTIN KIRCHER, Bachelor of Science (Civil Engineering)
SIDNEY DALE KIRKPATRICK, Bachelor of Science (Science) [1]
ROBERT HERMAN KLAMT, Bachelor of Science (Agriculture)
FRANCES GRACE KLANK, Bachelor of Arts (Liberal Arts)
CARROL AARON KLIEN, Bachelor of Science (Architecture)
EMMA ADELE KLEINAU, Bachelor of Arts (Liberal Arts)
CHARLES GORR KLOPP, Bachelor of Science (Mechanical Engineering)
HARRY FARRAR KNAPPENBERGER, Bachelor of Science (Architecture)
PAUL KENNETH KNIGHT, Bachelor of Arts (Commerce)
CARY LEE KNODLE, Bachelor of Science (Mechanical Engineering)
CORNELIUS WALTER KOEBELE, Bachelor of Science (Civil Engineering)
HENRY MICHAEL KOLL, Bachelor of Science (Electrical Engineering)
FRANK ALEXANDER KOPF, Bachelor of Arts (Science)
FRIEDA ELIZABETH KORTH, Bachelor of Arts (Liberal Arts)
AGNES ROSE KOUPAL, Bachelor of Arts (Liberal Arts)
GARABET HOVANESS KOUYOUMJIAN, Bachelor of Science (Electrical Engineering)
ARTHUR ENDRES KRAECHMANN, Bachelor of Science (Agriculture)
ELIE SPENCER KRIEGH, Bachelor of Science (Mechanical Engineering)
RICHARD WALKER KRITZER, Bachelor of Arts (Commerce)
LEO PETER KURT, Bachelor of Science (Mechanical Engineering)
KATE LACKEY, Bachelor of Arts (Liberal Arts)
WILLIAM STANTON LADD, Bachelor of Science (Agriculture)
LLOYD E LAMKINS, Bachelor of Science (Agriculture) [1]
RUTH ELLEN LANCASTER, Bachelor of Arts (Liberal Arts) [1]
ORAL ALBERT LANSCHE, Bachelor of Science (Electrical Engineering)
JESS CHARLES LARGENI, Bachelor of Science (Architectural Engineering)
IRVING NICHOLAS LARSON, Bachelor of Science (Architectural Engineering)
RAYMOND VICTOR LARSON, Bachelor of Science (Agriculture)
CHARLTON PAGE LATHROP, Bachelor of Science (Agriculture)
MARY JANE LAWLESS, Bachelor of Arts (Liberal Arts)
NELSON LAWNIN, Bachelor of Science (Mechanical Engineering)
EDGAR ALFRED LAWRENCE, Bachelor of Science (Civil Engineering)
JOEL WILLIAM LAWS, Bachelor of Science (Agriculture)
MAC E LEACH, Bachelor of Arts (Liberal Arts) [1]
PAUL JACKSON LEACH, Bachelor of Science (Agriculture)
LEROY WILLIAM LEGERWOOD, Bachelor of Science (Architectural Engineering)
ELLENA LEE, Bachelor of Science (Agriculture)
WILKIE WRIGHT LEGGETT, Bachelor of Arts (Liberal Arts)
ROY WALTER LEIBSLE, Bachelor of Science (Architecture)
WAYNE SNYDER LEIGHTY, Bachelor of Science (Agriculture)
ROY EDWARD LEKANDER, Bachelor of Science (Civil Engineering)
EDGAR GUY LEMMON, Bachelor of Arts (Liberal Arts)
NORMAN JOSEPH LENHART, Bachelor of Arts (Commerce)
CLARENCE ALONZO LENTZ, Bachelor of Arts (Science)
CHESTER WILLIAM LENZING, Bachelor of Science (Science) [1]
EARL EMANUEL LIBMAN, Bachelor of Science (Ceramic Enginering)

[1] With thesis.

Irene Lillian Liggett, Bachelor of Arts (Liberal Arts)
Marcello Francisco de Lima, Bachelor of Science (Civil Engineering)
Clovis Ward Lincoln, Bachelor of Science (Mechanical Engineering)
Sven Cyril Linder, Bachelor of Science (Ceramics)
Horace Willard Lindsay, Bachelor of Science (Electrical Engineering)
Carrie Edna Linnell, Bachelor of Arts (Liberal Arts)
Clyde Maurice Linsley, Bachelor of Science (Agriculture)
Charles Reeves Little, Bachelor of Arts (Commerce)
Ruth Flagg Livesay, Bachelor of Arts (Liberal Arts)
John Oras Long, Bachelor of Arts (Liberal Arts)
Harold Benjamin Lotz, Bachelor of Science (Architectural Engineering)
Clifford Sharon Love, Bachelor of Science (Agriculture)
Mary Elizabeth Love, Bachelor of Arts (Liberal Arts)
Che Tsing Lu, Bachelor of Science (Mining Engineering)
Benjamin Edward Ludvik, Bachelor of Arts (Liberal Arts) [1]
Lester John Ludwig, Bachelor of Arts (Commerce)
Leslie Robert Lumley, Bachelor of Science (Agriculture)
Merle Francis Lummis, Bachelor of Arts (Science)
George Richard Lunde, Bachelor of Science (Agriculture)
Andrew Victor Theodor Lundgren, Bachelor of Science (Architectural Engineering)
Edgar Emmanuel Lungren, Bachelor of Science (Science) [1]
Richard Dana Lyman, A.B., Bachelor of Science (Agriculture)
John Boyd Lyon, Bachelor of Science (Ceramics)
Carrie Fay Lyons, Bachelor of Arts (Liberal Arts)
Hazel Sibyl Lyons, Bachelor of Arts (Liberal Arts)
May Elizabeth McAdams, Bachelor of Science (Agriculture)
Leo Gay McAfee, Bachelor of Arts (Commerce)
Miles John McClelland, Bachelor of Science (Architecture)
Winifred Leo McClure, Bachelor of Arts (Liberal Arts)
Alva Elisha McCoy, Bachelor of Science (Agriculture)
Wendell Kemp McCracken, Bachelor of Arts (Commerce)
Charles William McCumber, Bachelor of Science (Architectural Engineering)
Alexander Paul Macdonald, Jr., Bachelor of Science (Agriculture)
Robert E McDowell, Bachelor of Science (Agriculture)
William Thomas McElveen, Jr., Bachelor of Arts (Commerce)
Dumas Miller McFall, Bachelor of Arts (Liberal Arts)
Guy Ennis McGaughey, Bachelor of Arts (Liberal Arts)
Frances Jean MacInnes, Bachelor of Science (Agriculture) [1]
Harry Woodington MacKechnie, Bachelor of Arts (Science)
Joseph Moore McKeon, Bachelor of Science (Municipal and Sanitary Engineering)
John Leo McNally, Bachelor of Arts (Science)
Helen Louise Madden, B.Mus., Bachelor of Arts (Liberal Arts)
Harry Samuel Mahood, Bachelor of Science (Civil Engineering)
Pauline Germaine Maloit, Bachelor of Arts (Liberal Arts)
Charles Frederic Mansfield, Bachelor of Science (Agriculture)
Hazel Frances Marks, Bachelor of Arts (Liberal Arts)
Ralph William Marshall, Bachelor of Arts (Liberal Arts)
Fay Waldo Martin, Bachelor of Arts (Commerce)
Arthur Helgeson Mason, Bachelor of Arts (Commerce)
Ross Seguine Mason, Bachelor of Science (Mechanical Engineering)
Howard Wilson Mateer, Bachelor of Science (Electrical Engineering)
William B Mathews, Bachelor of Arts (Science)
Leo Joseph Mattingly, Bachelor of Science (Architectural Engineering)
Hugh Nelson Mavor, Bachelor of Science (Architectural Engineering)
Arthur Edward Mealiff, Bachelor of Science (Agriculture)
Ollive Myrtle Meneley, Bachelor of Music
John Riley Merriman, Bachelor of Science (Agriculture)
Louis Edward Mesenkamp, Bachelor of Arts (Science)
Arthur Maurice Metzler, Bachelor of Arts (Commerce)
Carl Theodore Meyer, Bachelor of Science (Architecture)
Russell Ward Millar, Bachelor of Science (Science) [1]
Daniel Edwin Miller, Bachelor of Science (Mechanical Engineering)
Elliott Strong Miller, Bachelor of Arts (Commerce)
Erwin Franklin Miller, Bachelor of Science (Architecture)
Fred Raney Miller, Bachelor of Arts (Liberal Arts)
Joseph Harrison Miller, Bachelor of Science (Civil Engineering)
Richard Bardwell Millin, Bachelor of Science (Agriculture)
John Turner Mills, Bachelor of Science (Agriculture)
Henry Miner, Bachelor of Science (Agriculture)
Lemuel Ernest Minnis, Bachelor of Science (Agriculture)
Elsie Louise Mitchell, Bachelor of Science (Agriculture)
Grace Mitchell, Bachelor of Arts (Liberal Arts)
Harry Mohlman, Bachelor of Science (Agriculture)
Raymond Mooney, Bachelor of Science (Electrical Engineering)
Lewis Albert Moore, Bachelor of Science (Agriculture)
William Abner Moore, Bachelor of Arts (Liberal Arts)
Truman Pharaoh Moote, Bachelor of Science (Civil Engineering)
John William Morgan, Bachelor of Arts (Science)
Ralph Waldo Morgan, Bachelor of Science (Science) [1]
Thomas Sherman Morgan, Bachelor of Arts (Liberal Arts)
Leslie Sherman Morrill, Bachelor of Science (Mechanical Engineering)
Robert Louis Moses, Bachelor of Science (Agriculture)
Olga Fern Moser, B.Mus., Bachelor of Arts (Liberal Arts)

[1] With thesis.

Leota Irene Mosier, Bachelor of Arts (Liberal Arts)
Julia Louise Mottier, Bachelor of Arts (Liberal Arts)
Will Walter Mounts, Bachelor of Science (Agriculture)
Harvey Louis Mueller, Bachelor of Science (Science) [1]
Henry Rollo Mueller, A.B., Bachelor of Science (Agriculture)
Herbert Zoller Mueller, Bachelor of Science (Electrical Engineering)
Louis Edward Mulac, Bachelor of Science (Mechanical Engineering)
Everett Franklin Murphy, Bachelor of Science (Agriculture)
Howard Dawson Murphy, Bachelor of Science (Agriculture)
Mary Agnes Murphy, Bachelor of Music
Ruth Isabel Mussenden, Bachelor of Arts (Liberal Arts)
Waldo Ray Myers, Bachelor of Arts (Commerce)
Nripendra Kumar Nag, Bachelor of Science (Electrical Engineering)
Veta Thorpe Nebel, Bachelor of Arts (Liberal Arts)
Adolph Lincoln Nelson, Bachelor of Science (Mechanical Engineering)
Oliver John Neslage, Bachelor of Science (Mechanical Engineering)
Floris Wilson Nichols, Bachelor of Arts (Commerce)
Yin Hsiang Niu, Bachelor of Science (Railway Mechanical Engineering)
Joseph Morgan Noble, Bachelor of Arts (Liberal Arts)
Albert Joseph Nolan, Bachelor of Science (Agriculture)
Alfred Norberg, Bachelor of Science (Civil Engineering)
Clyde James North, Bachelor of Science (Agriculture)
Chiyozi Ohinata, Bachelor of Arts (Commerce)
Carlton Frederick Olsen, Bachelor of Science (Mechanical Engineering)
Glen Elizabeth Opie, Bachelor of Arts (Liberal Arts)
Pauline Theodora Osborne, Bachelor of Arts (Liberal Arts)
David Lee Ott, Bachelor of Science (Mechanical Engineering)
Charles Norton Owen, Bachelor of Science (Mechanical Engineering)
Harry Lea Owen, Bachelor of Science (Agricultural Engineering)
Kenneth Warren Parkinson, Bachelor of Science (Agriculture)
John Beitner Pagin, Bachelor of Science (Mechanical Engineering)
William Love Parish, Bachelor of Science (Architectural Engineering)
Mukand Lall Pathak, Bachelor of Science (Electrical Engineering)
Adolph Frederick Pauli, Bachelor of Arts (Liberal Arts) [1]
Bernice F Peadro, Bachelor of Arts, (Liberal Arts)
Richard Henry Perrott, Bachelor of Arts (Science)
Eleanor Sarah Peterson, Bachelor of Science (Agriculture)
William Chandler Peterson, Bachelor of Science (Architecture)
Eric Frederic Pihlgard, Bachelor of Science (Architecture)
John Francis Picken, Bachelor of Science (Agriculture)
Walter Raymond Pierson, Bachelor of Arts (Commerce)
Fred Theodore Pinkney, Bachelor of Science (Science)
Velma Coe Pletcher, Bachelor of Arts (Liberal Arts)
Harold Austin Pogue, Bachelor of Arts (Commerce)
Alexander Hyman Polakow, Bachelor of Science (Science) [1]
Ellis J Potter, Bachelor of Science (Architecture)
James Bruce Pratt, Bachelor of Arts (Commerce)
Alvin Fred Preston, Bachelor of Science (Agriculture)
Charles Bradlaw Price, Bachelor of Science (Agriculture)
James Kelley Primm, Bachelor of Arts (Science)
Philip Timon Primm, Bachelor of Science (Agriculture)
William Joseph Prince, Bachelor of Arts (Science)
Duane Willard Propst, Bachelor of Arts (Science)
Eugene Francis Pruett, Bachelor of Science (Agriculture)
Irene Emma Pulsipher, Bachelor of Science (Agriculture)
Ruth Lucille Quesenberry, Bachelor of Arts (Liberal Arts)
Benjamin Harrison Questel, Bachelor of Science (Agriculture)
Anita Emma Raab, Bachelor of Arts (Liberal Arts)
Robert Charles Rahn, Bachelor of Science (Ceramic Engineering)
Frank Raffowitz, Bachelor of Science (Mechanical Engineering)
Claude Raibourn, Bachelor of Arts (Commerce)
Isaac LaGrange Ratcliffe, Bachelor of Arts (Commerce)
Leal Wiley Reese, Bachelor of Arts (Liberal Arts)
George W Renwick, Bachelor of Science (Mechanical Engineering)
Ora Edgar Reynolds, Bachelor of Arts (Liberal Arts)
Carlyle Seeds Rhodes, Bachelor of Science (Civil Engineering)
Granville Leroy Rigg, Bachelor of Science (Agriculture)
Charles Lawrence Ritts, Bachelor of Science (Architecture)
Frances Ella Roberts, Bachelor of Arts (Liberal Arts)
Hugh Schuyler Robertson, Bachelor of Science (Ceramic Engineering)
Albert William Robinson, Bachelor of Science (Mechanical Engineering)
William Otto Roessler, Bachelor of Science (Agriculture)
Gardner Spencer Rogers, Bachelor of Science (Agriculture)
Harry Thomas Rogers, Bachelor of Science (Architectural Engineering)
Russell David Rogers, Bachelor of Science (Architectural Engineering)
Walter Louis Rohlfing, Bachelor of Science (Agriculture)
Fred Andrew Rohn, Bachelor of Science (Architectural Engineering)
Kimball Valentine Root, Bachelor of Arts (Science)
Harold Boone Rose, Bachelor of Science (Mechanical Engineering)
Frank Rosenberg, Bachelor of Science (Ceramic Engineering)
Kenneth Dwight Ross, Bachelor of Arts (Commerce)
Howard Moore Rotrock, Bachelor of Science (Civil Engineering)
Fred Grafton Rounds, Bachelor of Science (Architecture)

[1] With thesis.

Ellen Mary Rourke, Bachelor of Arts (Liberal Arts)
Joseph Alvin Rueff, Bachelor of Science (Mechanical Engineering)
Mabel Louise Ruehe, Bachelor of Music
Mary Hilliard Rumsey, Bachelor of Arts (Liberal Arts)
Howard Edward Rundle, Bachelor of Science (Railway Electrical Engineering)
William Lloyd Rundles, Bachelor of Science (Agriculture)
Roy Leslie Rush, Bachelor of Arts (Liberal Arts)
Louis John Rust, Bachelor of Science (Electrical Engineering)
Burtch Irwin Rutledge, Bachelor of Arts (Science)
Freda Irma Samuels, Bachelor of Arts (Liberal Arts)
Harriet Adelaide Sanford, Bachelor of Arts (Liberal Arts)
Albert Merritt Santee, Bachelor of Arts (Liberal Arts)
Edgar Frederick Schaefer, Bachelor of Arts (Liberal Arts) [1]
Michael Andrew Schalck, Bachelor of Science (Agriculture)
Gilbert Simon Schaller, Bachelor of Science (Mechanical Engineering)
Ralph Wendell Schecter, Bachelor of Arts (Liberal Arts)
Donald Charles Scheele, Bachelor of Science (Mechanical Engineering)
Louis Herman Schickedanz, Bachelor of Science (Mechanical Engineering)
Ralph Louis Schiesswohl, Bachelor of Arts (Commerce)
Edward Holmes Schlader, Bachelor of Science (Railway Electrical Engineering)
Waldo Lauff Schlueter, Bachelor of Arts (Commerce)
Karl William Schmidt, Bachelor of Science (Architectural Engineering)
Raymond Stanley Scholl, Bachelor of Science (Agriculture)
Don Buel Schuler, Bachelor of Science (Architecture)
Ernest Rudolph Schulz, Bachelor of Science (Agriculture)
Lincoln Bain Scott, Bachelor of Science (Agriculture)
Shirley Edward Scott, Bachelor of Arts (Liberal Arts)
Winfield Scott, Bachelor of Science (Agriculture)
Herbert Frank Seifert, Bachelor of Arts (Science)
Arthur George Seifried, Bachelor of Science (Agriculture)
William Heine Sellards, Bachelor of Science (Agriculture)
Arthur Truman Semple, Bachelor of Science (Agriculture)
Lyle Elwood Severance, Bachelor of Science (Agriculture)
Mae Magdalen Sexauer, Bachelor of Arts (Liberal Arts)
Rolla Flemming Shaffer, Bachelor of Science (Agriculture)
Ray Iris Shawl, Bachelor of Science (Agriculture)
A Vernon Sheetz, Bachelor of Arts (Commerce)
Edwin Shelby, Jr., Bachelor of Science (Civil Engineering)
Earl Frank Shelby, Bachelor of Science (Civil Engineering)
Walter William Shelden, Bachelor of Arts (Commerce)
Henry Kellogg Sheldon, Bachelor of Science (Electrical Engineering)
John Erwin Shields, Bachelor of Science (Agriculture)
Franklin William Shilling, Bachelor of Arts (Commerce)
James Wright Shoemaker, Bachelor of Arts (Liberal Arts)
Horace Abbott Shonle, Bachelor of Science (Science) [1]
Edward Olaf Siegfried, Bachelor of Science (Architectural Engineering)
Oscar Silberman, Bachelor of Science (Civil Engineering)
Theodore Switzer Simmons, Bachelor of Science (Agriculture)
Mary Alice Simpson, Bachelor of Science (Agriculture)
William Henry Simms, Jr., Bachelor of Science (Agriculture)
Raymond Samuel Simons, Bachelor of Arts (Science)
Charles Leonard Skelton, Bachelor of Science (Agriculture)
Herbert Lee Slack, Bachelor of Science (Civil Engineering)
William Finley Sloan, Bachelor of Science (Agriculture)
Lionel David Smiley, Bachelor of Science (Electrical Engineering)
Charles Eugene Smith, Bachelor of Science (Civil Engineering)
Glenn Calvin Smith, Bachelor of Science (Agriculture)
Helen May Smith, Bachelor of Arts (Liberal Arts)
Herbert Edgar Smith, Bachelor of Arts (Liberal Arts)
Irene Fern Smith, Bachelor of Science (Science) [1]
Julian Francis Smith, Bachelor of Science (Science) [1]
Wilhelma Zoe Smith, Bachelor of Arts (Liberal Arts)
Raymond Leffel Snoddy, Bachelor of Arts (Liberal Arts) [1]
Glenn Snyder, Bachelor of Science (Agriculture)
Walter Andrew Stahl, Bachelor of Science (Mechanical Engineering)
John Edwin Stark, Bachelor of Arts (Liberal Arts)
Alwin Gustav Steinmayer, Bachelor of Science (Electrical Engineering)
Reinhard August John Steinmayer, Bachelor of Science (Ceramics)
Edith Hasseltine Stevens, Bachelor of Science (Agriculture)
Rita Stinson, Bachelor of Science (Agriculture)
James Crear Stirton, Bachelor of Science (Civil Engineering)
Harry Frederick Stocker, Bachelor of Science (Civil Engineering)
Clarence Milton Stoffel, Bachelor of Science (Civil Engineering)
Albert Getten Stone, Bachelor of Science (Architectural Engineering)
William Augustus Strong, A.B., Bachelor of Science (Agriculture)
Elmer Henry Stumpf, Bachelor of Arts (Commerce)
Roy Dehm Sundell, Bachelor of Science (Mechanical Engineering)
Ray Malcolm Strickland, Bachelor of Science (Agriculture)
Dorothy Sutcliffe, Bachelor of Arts (Liberal Arts)
Wilbor Mills Sutherland, Bachelor of Science (Agriculture)
Frank Howard Sutton, Bachelor of Arts (Commerce)
Frances Eleanor Swanson, Bachelor of Arts (Liberal Arts)
Norvid Raymond Swanson, Bachelor of Science (Agriculture)

[1] With thesis.

Edgar Chessman Swartwout, Bachelor of Science (Agriculture)
Lewis Wentworth Swett, Bachelor of Science (Electrical Engineering)
Nellie May Swick, Bachelor of Arts (Liberal Arts)
Marguerite Maude Swits, Bachelor of Arts (Liberal Arts)
Clementine Taggart, Bachelor of Arts (Liberal Arts)
Robert Isaac Terry, Bachelor of Science (Agriculture)
Olga Elizabeth Thal, Bachelor of Arts (Liberal Arts)
Abner Royce Thomas, Bachelor of Science (Agriculture)
Clair Joel Thomas, Bachelor of Science (Agriculture)
Polly Elizabeth Thomas, Bachelor of Arts (Liberal Arts)
Ralph Raymond Thomas, Bachelor of Science (Electrical Engineering)
Lillian Maude Thompson, Bachelor of Arts (Liberal Arts)
Frank Hilton Thorne, Bachelor of Science (Agriculture)
Walter Joseph Tilton, Bachelor of Science (Science) [1]
Irene Towson, Bachelor of Arts (Liberal Arts)
Elizabeth Lail Tracy, Bachelor of Arts (Liberal Arts)
Gladys Annie Treat, Bachelor of Science (Agriculture)
Chester Treischel, Bachelor of Science (Ceramics)
Max Rudolph Hendrick Treu, Bachelor of Science (Agriculture) [1]
Frances Irene Tritt, Bachelor of Arts (Liberal Arts)
Philip Theodore Troeger, Bachelor of Science (Agriculture)
Opal Winifrede Trost, Bachelor of Science (Agriculture)
Oliver John Troster, Bachelor of Science (Agriculture)
Charles Edgar Trowbridge, Bachelor of Science (Municipal and Sanitary Engineering)
Floyd Elsworth Troxel, Bachelor of Science (Mechanical Engineering)
Silas Max Trumbo, Bachelor of Science (Architectural Engineering)
James Oliver Tupper, Bachelor of Science (Agriculture)
Lottie Octavia Urbain, Bachelor of Arts (Liberal Arts)
Gerry Christopher VandenBoom, Bachelor of Science (Mechanical Engineering)
Elliott Dudley VanFrank, Bachelor of Science (Architecture)
Francis Marion VanNatter, Bachelor of Arts (Science)
Rodman Fleming Vansant, Bachelor of Science (Agriculture)
Myra Vaughn, Bachelor of Arts (Liberal Arts)
Ralph Hoyt Vial, Bachelor of Science (Agriculture)
Siegfried Nathaniel Vibelius, Bachelor of Science (Architecture)
Herbert Louis Voigt, Bachelor of Science (Civil Engineering)
Alvin Claude Volk, Bachelor of Science (Civil Engineering)
Laurence Elmer Voorhees, Bachelor of Arts (Science)
Clifton James Walker, Bachelor of Science (Civil Engineering)
George William Walker, Bachelor of Science (Agriculture)
Jennie Grace Walker, Bachelor of Arts (Liberal Arts)
Lewis Bryant Wallace, Bachelor of Arts (Commerce)
Marie Elizabeth Wallin, Bachelor of Arts (Liberal Arts)
Wesley Burnham Walraven, Bachelor of Science (Civil Engineering)
Ida Emilie Walz, Bachelor of Arts (Liberal Arts) [1]
Te Chang Wang, Bachelor of Science (Agriculture)
Amy Ward, Bachelor of Arts (Liberal Arts)
Harper McDill Warnock, Bachelor of Science (Agriculture)
John Wesley Watson, Bachelor of Science (Agriculture)
Lelia Elta Watson, Bachelor of Arts (Liberal Arts)
Jasper Kent Webb, B.S., Bachelor of Science (Agriculture)
Gertrude T Webber, Bachelor of Arts (Science)
Harry Edwin Webber, Bachelor of Science (Architectural Engineering)
Edward Grover Weiler, Bachelor of Science (Electrical Engineering)
Flora Jane Weinberg, Bachelor of Science (Agriculture)
Emil Hjalmer Westlund, Bachelor of Arts (Commerce)
Hazel Dean Wheaton, Bachelor of Arts (Liberal Arts)
Mary Elizabeth Wheelhouse, Bachelor of Arts (Liberal Arts)
Helen Katherine Whipple, Bachelor of Arts (Liberal Arts)
Helen Margaret Whitchurch, Bachelor of Science (Agriculture)
Frank Herbert White, Jr., Bachelor of Science (Electrical Engineering)
George Richard White, Bachelor of Science (Architectural Engineering)
Lyde Evangeline White, Bachelor of Arts (Commerce)
Phares Lemar White, Bachelor of Science (Railway Mechanical Engineering)
Guyon Call Whitley, Bachelor of Arts (Commerce)
Robert Ernest Wiley, Bachelor of Science (Mechanical Engineering)
Mary Etta Wills, Bachelor of Arts (Liberal Arts)
Alfred David Wilson, Bachelor of Science (Agriculture)
Harold Edwin Wilson, Bachelor of Science (Mechanical Engineering)
Helen May Wilson, Bachelor of Arts (Liberal Arts)
Isabella Chilton Wilson, Bachelor of Arts (Liberal Arts)
Orion N Wing, Bachelor of Arts (Liberal Arts)
Morris Charles Winokur, Bachelor of Science (Railway Civil Engineering)
Ingal Ensor Wold, Bachelor of Science (Agriculture)
Mitchell Wolter, Bachelor of Arts (Liberal Arts)
Adeline Wood, Bachelor of Science (Agriculture)
Rachel Margaret Woolman, Bachelor of Science (Agriculture)
Richardine Woolman, Bachelor of Arts (Liberal Arts)
Charles William Wray, Bachelor of Science (Agriculture)
Agnes Wright, Bachelor of Arts (Liberal Arts) [1]
Douglas Wright, Jr., Bachelor of Science (Agriculture)
Edward Paul Wright, Bachelor of Science (Civil Engineering)
Josef Franklin Wright, Bachelor of Arts (Commerce)

[1] With thesis

George Alfred Wrisley, Bachelor of Science (Science) [1]
Ethel Marie Wykle, Bachelor of Science (Agriculture)
Soichi T Yamamoto, Bachelor of Science (Electrical Engineering)
Carl Alfred Zelle, Bachelor of Science (Science) [1]
Arthur Charles Zimmerman, Bachelor of Science (Architectural Engineering)
Robert Bruce Zinser, Bachelor of Arts (Commerce)

THE COLLEGE OF LAW

The Degree of Bachelor of Laws

Elliott Billman
Olen Robert Clements, A.B., 1914
Walter Thomas Day
John William Freels
James Harman Gilbert
Donald Ashway Grossman
William Ward Hart
Ray David Henson
Joseph Howard Hinshaw, A.B., 1913
Charles Francis Hough, Jr.
Robert Jarnagin
Fred Hanford Kelly
Ralph Kenshalo
Roland John Klingler
Wilbur Edward Krebs
Joseph Dayle Lawyer
Carl King Rang, A.B., 1914
John Lester Robinson
Thomas Lenor Ruth
Lew R Sarett, A.B., *Beloit College*, 1911
Joe Whitnel

The Degree of Doctor of Law

Nuel Dinsmore Belnap, A.B., 1914
Frank Bonner Leonard, Jr., A.B., 1912
Frank Clifton Slater, A.B., 1914
Frank Sewall Stroheker, A.B., 1915

THE LIBRARY SCHOOL

The Degree of Bachelor of Library Science

(Without Thesis)

Elsie Louise Baechtold, A.B., *Grinnell College*, 1911
Susan True Benson, A.B., *Missouri Wesleyan College*, 1909
Jessie Elizabeth Bishop, A.B., *Smith College*, 1911
Nelle Uree Branch, A.B., 1907
Mary Gladys Burwash, A.B., 1913
Marian Leatherman, A.B., *Cornell University*, 1907
Marguerite Mitchell, A.B., *Ohio State University*, 1915
Beatrice Prall, A.B., *University of Arkansas*, 1911
Charles Holmes Stone, B.S., A.M., *University of Georgia*, 1912, 1913
Alta Caroline Swigart, A.B., 1910
Margaret Stuart Williams, A.B., *University of Texas*, 1912

THE COLLEGE OF MEDICINE

The Degree of Bachelor of Science

Richard Elseph Anderson
Fred Elton Carpenter
Schuyler Opp Cotton
Benjamin Quincy Dysart
James Edward Fetherston
Leo Vincent Gates
George Koptik
Raymond John Mercey
Thomas Benton Murphy
George William Schelm
Edward Frank Sladek
Guy Leon Wagoner

The Degree of Doctor of Medicine and Surgery

Conrad George Appelle
Robert Irving Barickman
Edwin Judge Barnett
Alick Bernstein
Hannah Jane Beatty
J Francis Bennett
Clifford Edward Bergin
Franklin Carlisle Bivings
Wareen Caldwell Blim
Pliny Russell Blodgett, B.S.
Bernard Joseph Bolka
Rollo Preston Bourbon
Roy Melson Bowell
Lewis Edwin Joel Browne
Edward Arthur Brucker
Wesley Morgan Burling
Manley Joseph Capron
William Franklin Carroll
Albert Brockway Carstensen
Emmet Francis Casey
Alger Arthur Clark
Blaine Wilson Claypool
Horace R Cobb
Michael Milton Cody
James Swaney Cooper, B.S.
Ward Cooper
Schuyler Opp Cotton
Aubrey James Cross
Agnes Beulah Cushman
Lloyd David Cutting
Maurice Doktorsky
William Holmes Dyer
Fred Elwell Earel
Charles Patt Eck, Ph.C., Ph.G.
David Eisenberg
Lynn Wickwire Elston, B.S.
Arthur Morgan Evans
Boyd Franklin Eye, Jr.

[1] With thesis.

Marion Shelley Fink
Victor Finsand
Alexander William Fordyce
Sophia Hennrietta Frederickson
L Vincent Gates
Russell Adams Gilmore
Harold Mortimer Glover, A.B.
John Gervase Goggin
Benjamin Goldberg
Victor Hugo Hasek
Grace Maude Hawthorne, R.N.
Placido Ramos Vasquez Hommel
Arshavid Ignatius
William Israelson
Clarence August Jacobsen
Leo Jacob Jacobson
Walter John Jaracz
Daniel William Jeffries
Harry Katz
Ralph King
Ralph Glenn Kline
Herman Carl Koch
Bernard J Kulasavicz
Helen Pearl Kuizenberger
Max Lampert
Henry Robert Leibinger
George R Lipp
Jacob Lifschutz
Bruno August Lungmus
Aniceto Ylagan Mandanas
Juan Sixto Marchan
Hervey Fulton Masson, Ph.C., M.D.
Cora Arminta Matthews
Hubert Franklin Meacham
Reuben Alvord Moffett
William James Mulholland
Mary Ruth McGuire
Maury Holcombe McRae
Fusa Taro Nakaya
Rocco Nigro
Harry Sims Norton
Jacob Paskind
Ralph Waldo Petersen
Harry Michael Peterson
Ralph Harrison Pino
Victor Piro
William Bowker Preston
William Raim
Henry Benjamin Raman
John Lestrange Rock, B.S., A.B.
Samuel Joy Rowland
Nathan Samuel Schiff
Abraham Seletz
James Melvin Severson
Roy Davis Short
Willis Irving Silverstein
Lloyd Emerson Smith
Arthur Kern Spiering
Jacob Stern
Louis Henry Stern
Ladislaw Stolfa
Samuel Jack Taub
Ian Davis Tiedeman
Russell R Tomlin
Charles Lewis Tomsu
Joel Edwin Toothaker
Mardiros Bedros Vart
Athol Horatio Wedge
Harry Hults Wilson
Marcus Bryed Wilson
Paul Jacob Wolf

THE COLLEGE OF DENTISTRY

The Degree of Doctor of Dental Surgery

Herbert Ralph Alden
Harold Hannum Berman
Nathan M Bernstein
Luther Lincoln Blaine
Maurice Irwin Blair
Thomas Chew Bonney
Edward Joseph Bostik
Harold Scribner Condit
William Arthur Cusick, Jr.
Robert Jesse Dixson
Harry M Harnick
Kiyoshi Horiuchu
Robert I Humphrey
Jacob Jesser
Ernest Garfield Johnson
Earl E Johnson
Lawrence Martin Koch
Louis Bernard Kousnetz
Andrew Arthur Litscher
Louis C Lowenthal
Louis Francis Meier
Charles J McCornall
Leo Orloff
Harold L Playman
Allgot G Person
Henry Reiseman
Camille Marie Richter
Noah Webster Schlussel
Victor Hugo Sears
Pepper Wheeler Smith
Roscoe Winters Upp
Maxwell T Wood

THE SCHOOL OF PHARMACY

Conferred April 19, 1916, in Chicago

Graduate in Pharmacy

Fannie Lillian Aron
William Beckman
Asher Holland Bogard
Joseph C Butts
Robert Claus
Dante Cortesi
Raymond James Crist
Raymond Anderson Curlee
Charles Elmer Davidson
Everett William Dewey
William John Friedl
Harry Gasen
Frank William Graham
Robert Lee Greenwood
Walter John Kostka
David Lofgren
Benjamin Lowis
Israel Mawrence
Leonard Quartetti
Robert Bruce Ritzman
Ernest Christian Schultz
James William Templeton
Ralph Rickey Thoroman
Edwin Joseph Underriner
Leland Vale
Robie Rolland Weaver
Werner Fred Wilhelm
Guy Vernon Whitney
Edward A F Borucki (Class of 1915)
William Stuhlmann Bucke (Class of 1915)
Richard William Goltermann (Class of 1915)
Sylvester Henry Hojnacki (Class of 1915)
Hubert Spangler Huston (Class of 1914)
Oscar William Johnson (Class of 1915)
Edward Joseph Kral (Class of 1915)
Joseph Benjamin Kvasnicka (Class of 1915)
Francis A Pankau (Class of 1914)
Edwin Robert Riemer (Class of 1915)
Frank Joseph Vondrasek (Class of 1915)

The Degree of Pharmaceutical Chemist

Conferred May 27, 1916, in Chicago

ANTHONY DI COSOLA ALBERT ALVIN ORTMANN

THE GRADUATE SCHOOL

The Degree of Master of Arts

In Botany

ROBERT LESLEY DAVIS, A.B. (*University of Nebraska*) 1914
JOHN MARVIN LECATO, A.B. (*University of Michigan*) 1913
ROSE SMITH, A.B., 1911

In Chemistry

EDMAN GREENFIELD, A.B. (*University of Kansas*) 1914
CARL SHIPP MARVEL, A.B. (*Illinois Wesleyan University*) 1915
ERNEST HENRY VOLLWEIBER, A.B. (*Miami University*) 1914

In Classics

MARY VIOLA BRUNER, A.B., 1913
MARY ELIZABETH COLCORD, A.B. (*Greenville College*) 1910
MICHAL VELMA JAMISON, A.B. (*Northwestern University*) 1912
MARGARET OLMSTED, A.B .(*Augustana College*) 1915
MARY LUELLA TROWBRIDGE, A.B., 1915

In Economics

WILLIAM HENRY DREESEN, A.B. (*Greenville College*) 1907
MAURICE ELZIN MURPHY, A.B. (*Indiana University*) 1913

In Education

JEANNETTE MORRISON ENGLE, A.B., 1915
THEODORE SPAFFORD HENRY, A.B. (*Hedding College*) 1913
OTTIS HOSKINSON, A.B. (*Union Christian College*) 1900
MARY HAZEL MELROSE, A.B., 1910
JOHN BREEN PHILLIPS, A.B., 1912
TENJES HENRY SCHUTTE, A.B., 1912

In Entomology

JAMES LOWELL HYPES

In History

DAISY DEAN DRYDEN, A.B. (*University of Kansas*) 1905
WALTER WILSON JENNINGS, A.B., 1915
KATHRYN MADDOCK, A.B. (*Rockford College*) 1915
LAURA MCALLISTER MOORE, A.B. (*Indiana University*) 1892
HELEN KATHERINE SCHOEPPERLE, A.B., 1915
HELEN DALE STORY, A.B. (*Monmouth College*) 1912
MABEL GREGORY WALKER, A.B., 1909

In Mathematics

WILLIAM HENRY CULLUM, Jr., A.B. (*Albion College*) 1915
MARY BELLE DAVIS, A.B., 1901
KATE LACKEY
ROBERT HASKELL MARSHALL, A.B., 1914
MERLIN GRANT SMITH, A.B. (*Greenville College*) 1915

In Modern Languages

(*In English*)

CLYDE BYRON BECK, A.B. (*Earlham College*) 1906
LEVETTE JAY DAVIDSON, A.B. (*Eureka College*) 1915
EFFIE MARGUERITE MORGAN, A.B. (*James Millikin University*) 1913
JAMES MANLEY PHELPS, A.B. (*Northwestern University*) 1912
EDITH IRENE SENDENBURGH, A.B., 1913
THOMAS BLAINE STANLEY, A.B. (*Earlham College*) 1913
ANNETTE STEELE, A.B. (*Transylvania University*) 1911
MERLE ARTHUR SWENEY, A.B. (*Hedding College*) 1913

(*In German*)

OLIVE CAROLINE HARRIS, A.B. (*Hedding College*) 1915
ETHEL LOUISE O'CONNOR, A.B. (*Hedding College*) 1915

(*In Romance Languages*)

OTHO WILLIAM ALLEN, A.B., 1915

In Philosophy

HARRY AMSTERDAM, A.B. (*Lake Forest College*) 1915

In Physics

CHARLES FRANCIS HILL, A.B., 1914
ELEANOR FRANCES SEILER, A.B., A.M. (*University of Denver*) 1913, 1914

In Political Science

A ERNEST MAHANNAH, A.B. (*Fairmount College*) 1914

In Sociology

WILLIAM MORLAND GRAHAM, B.S. (*McKendree College*) 1913
CARRIE PATTON CLARK, A.B. (*Northwestern University*) 1909

In Zoology

RACHEL ANN BAUMGARTNER, A.B. (*University of Kansas*) 1912
LILLIAN DORA DOLE, A.B., 1915
GEORGE MARSH HIGGINS, B.S. (*Knox College*) 1914

The Degree of Master of Science

In Agronomy

M REECE EDWARDS
TRENNACE FLOWERREE, B.S., 1913
WARREN RIPPEY SCHOONOVER, B.S. (*Occidental College*) 1913

In Animal Husbandry

WILBUR JEROME CARMICHAEL, B.S., 1913
JAMES BRUCE HENDERSON, B.S., 1916
WILLIAM ALGERNON KINGSMILL MORKEL, A.B., 1915
JULIUS EDWARD NORDBY, B.S. (*University of Idaho*) 1915
JAMES WILBUR WHISENAND, B.S. (*University of Nebraska*) 1914
DAVID WILLARD WILLIAMS, B.S. (*Ohio State University*) 1915

In Architecture

LA FORCE BAILEY, B.S., 1915

In Ceramic Engineering

RALPH RAYMOND DANIELSON, B.S., 1914
FRANK ALLEN KIRKPATRICK, B.S., 1914
ARTHUR EDWARD WILLIAMS, B.S., 1910

In Chemistry

DON WARREN BISSELL, B.S. (*New Hampshire College*) 1914
FREDERICK NORTH CRAWFORD, B.S. (*Wesleyan University*) 1908
CARL NATHAN DAVIDSON, A.B. (*Lawrence College*) 1914
EDWARD ADELBERT DOISY, A.B., 1915
FRANK F FOOTITT, A.B. (*Albion College*) 1914
JAY THOMAS FORD, A.B. (*DePauw University*) 1914
WILLIAM DURRELL HATFIELD, B.S. (*Illinois College*) 1914
JOHN FREDERICK GROSS HICKS, B.S. (*University of Pennsylvania*) 1906
WALTER GERALD KARR, B.S. (*Alfred University*) 1913
HENRY RHODES LEE, A.B. (*Carroll College*) 1914
HAROLD ALVIN LEVEY, B.E. (*Tulane University*) 1911
STEWART DENT MARQUIS, A.B. (*Lake Forest College*) 1911
ROBBINS RUSSEL, B.S. (*Illinois College*) 1914
ALBERT DURAND SHEPARD, B.S. (*South Dakota State College*) 1914
NIM CHI SHUM, B.S., 1914
TERRENCE ONAS WESTHAFER, A.B. (*University of Oklahoma*) 1914

In Civil Engineering

KAIMIN KAY FENG, B.S., 1915
KOZABURO MISE, C.E. (*Tokyo Imperial University*) 1911
JACKSON HEATH WILKINSON, B.S., 1915
JAMES FOOK ONN YAPP, B.S., 1915

In Dairy Bacteriology

HARRISON AUGUST RUEHE, B.S., 1911

In Electrical Engineering

CARL SHIPMAN BREESE, B.S. (*Kansas State Agricultural College*) 1912
WALTER ARTHUR GATWARD, B.S. (*Washington State College*) 1913
TANE KAWAMOTO

In Entomology

CLYDE CARNEY HAMILTON, B.S. (*Kansas State Agricultural College*) 1913
JOSEPH LYONEL KING, B.S. (*Ohio State University*) 1914
LEWIS BRADFORD RIPLEY, B.S. (*Trinity College*) 1915

In Geology

MASON KENT READ, B.S. (*Denison University*) 1914

In Horticulture

JAMES ALFRED CRAWFORD, B.S. (*Cornell University*) 1915

In Household Science
MARIE BREESE MILLER, B.S. (*Ohio State University*) 1911

In Mechanical Engineering
LESTER CLYDE LICHTY, B.S. (*University of Nebraska*) 1913
WILLIAM PENN LUKENS, A.B. (*Swarthmore College*) 1913
WALTER JACOB WOHLENBERG, B.S. (*University of Nebraska*) 1910

In Pathology and Bacteriology (Medicine)
FREDERICK HOWARD FALLS, B.S. (*University of Chicago*) 1908, M.D. (*Rush Medical College*) 1910

In Physics
HARRY TYLER BOOTH, B.S. (*Carleton College*) 1915

In Railway Mechanical Engineering
EVERETT GILLHAM YOUNG, B.S., 1913

In Theoretical and Applied Mechanics
ANDREW JOHN ALBERT ANDERSON, B.S. (*Lewis Institute*) 1913, B.S., M.S., 1915
RAYMOND EARL DAVIS, B.S., C.E. (*University of Maine*) 1911, 1914
JASPER OWEN DRAFFIN, B.S. (*University of Vermont*) 1913

Professional Degrees in Engineering

The Degree of Civil Engineer
LEVI PATTEN ATWOOD, B.S., 1894
EDWIN WALKER BUXTON, B.S., 1907
BYRON KEMP COGHLAN, B.S., 1908
CHARLES EDMUND DELEUW, B.S., 1912
ARTHUR LUDVIG ENGER, B.S., 1911
HOWARD CHARLES HAUNGS, B.S., 1907
GEORGE MARTIN ALOYSIUS ILG, B.S., 1909
HARRY ASHTON ROBERTS, B.S., 1902
BENJAMIN BRUCE SHAW, B.S., 1911
MILTON FREDERICK STEIN, B.S., 1909

The Degree of Electrical Engineer
EDGAR DWIGHT DOYLE, B.S., 1910
FREDERICK JOHN FOERSTERLING, B.S., 1911
RALPH MAYO GASTON, B.S., 1903
HARRY FOREST GEIST, B.S., 1912
RUDOLPH MCDERMET, B.S., M.S., 1912, 1914

The Degree of Mechanical Engineer
CLARENCE BOYLE, Jr., B.S., 1910
PERRY JOHN FREEMAN, B.S., 1907
HARRY FREDERICK GODEKE, B.S., 1905
KENNETH GARDNER SMITH, A.B. (*University of Chicago*) 1896, B.S., 1905
ARTHUR OTTO SPIERLING, B.S., 1910

The Degree of Engineer of Mines
ELMER ALLEN HOLBROOK, B.S. (*Massachusetts Institute of Technology*) 1904

The Degree of Doctor of Philosophy

In Bacteriology
FRED WILBUR TANNER, B.S. (*Wesleyan University*) 1912, M.S., 1914

In Botany
JOHN ASBURY ELLIOTT, A.B. (*Fairmount College*) 1913, A.M. (*University of Kansas*) 1914
ERNEST MICHAEL RUDOLPH LAMKEY, A.B., A.M., 1913, 1914
ROSALIE MARY PARR, A.B., A.M., 1906, 1911
HARRY DWIGHT WAGGONER, A.B., A.M., 1909, 1914

In Chemistry
THEODORE ROLLY BALL, B.S. (*Drake University*) 1908, M.S., 1914
ST. ELMO BRADY, A.B. (*Fisk University*) 1908, A.M., 1914
KARL ADOLF CLARK, A.B., A.M. (*McMaster University*) 1910, 1912
PAUL MARSHALL DEAN, A.B., A.M. (*University of Colorado*) 1908, 1911
EDGAR WALLACE ENGLE, B.S. (*Drury College*) 1912, M.S., 1914
DUANE TAYLOR ENGLIS, A.B. (*Eureka College*) 1912, A.M., 1914
RAY WASHINGTON HESS, A.B. (*Morningside College*) 1912, A.M., 1914
THOMAS ERNEST LAYNG, A.B., A.M. (*McMaster University*) 1909, 1912
HARRY FLETCHER LEWIS, B.S., M.S. (*Wesleyan University*) 1912, 1913
FLOYD WILLIAM MOHLMAN, B.S., M.S., 1912, 1914
JOHN CARL ROSS, A.B. (*University of the Cape of Good Hope*) 1911, M.S., 1915
CLARENCE SCHOLL, B.S., M.S., 1913, 1914

In Economics
FRED EMERSON CLARK, A.B. (*Albion College*) 1912, A.M., 1913
FREDERIC ARTHUR RUSSELL, A.B., A.M. (*Albion College*) 1908, 1909

In Education

JOSEPH HENRY JOHNSTON, A.B., A.M. (*University of North Carolina*) 1910, 1914

In Entomology

PHILIP GARMAN, B.S. (*Kentucky State University*) 1913, M.S., 1914
ANNA GRACE NEWELL, A.B., A.M. (*Smith College*) 1900, 1908
ALVAH PETERSON, B.S. (*Knox College*) 1911, A.M., 1913

In Engineering

HAROLD MALCOLM WESTERGAARD, B.S. (*Royal Engineering College, Copenhagen*) 1911

In History

WAYNE EDSON STEVENS, A.B. (*Knox College*) 1913, A.M., 1914

In Modern Languages (*In German*)

GEORGE WASHINGTON SPINDLER, A.B., A.M. (*Indiana University*) 1900, 1908

In Philosophy

ETHEL ERNESTINE SABIN, A.B., A.M. (*University of Wisconsin*) 1908, 1914

In Physics

JONAS BERNARD NATHANSON, A.B. (*Ohio State University*) 1912, A.M., 1913
OSCAR ALAN RANDOLPH, B.S. (*Missouri School of Mines*) 1911, M.S., 1913

In Political Science

NIELS HENRIKSEN DEBEL, A.B., A.M. (*University of Nebraska*) 1913, 1914

In Psychology

HELEN CLARK, A.B., (*Vassar College*) 1913

In Zoology

JESSE LEROY CONEL, A.B. (*James Millikin University*) 1912, A.M., 1913
HORACE WESLEY STUNKARD, B.S. (*Coe College*) 1912, A.M., 1914

FELLOWS AND SCHOLARS IN THE GRADUATE SCHOOL

1916-17

MIRIAM CYNTHIA AKERS, Scholar in Classics
WORTH ARTHUR ALLISON, Scholar in Animal Husbandry
ETHEL LOUISE BEDIENT, Scholar in Economics
ELIZABETH BODFISH, Scholar in Zoology
SILAS ALONZO BRALEY, Fellow in Chemistry
EDWARD MARION AUGUSTUS CHANDLER, Fellow in Organic Chemistry
ERNEST EDWARD CHARLTON, Research Fellow in Industrial Chemistry
HAROLD DUDLEY CLAYBERG, Fellow in Botany
FRANK WARREN CLIPPINGER, Scholar in English
GILBERT HOOPER COLLINGS, Fellow in Agronomy
DELMAR GROSS COOKE, Fellow in English
ARTHUR REUBEN COOPER, Fellow in Zoology (*Honorary*)
EDWARD HILL COX, Fellow in Chemistry
HENRY GORDON MACGREGOR CRAWFORD, Scholar in Entomology
HILDA MARION CROLL, Scholar in Household Science
SYLVAN JAY CROOKER, Fellow in Physics
DOROTHY LUCILE CUTHBERT, Scholar in Classics
RALPH HIPPLE DEAN, Scholar in Chemistry (*Nominee of Lake Forest College*)
ALICE MARY DOANE, Scholar in English
JOHN EZRA DOTTERER, Scholar in Mathematics
GEORGE LEWIS DOTY, Scholar in Romance Languages
LOUISE BURNHAM DUNBAR, Scholar in History
RHODA FAHNESTOCK, Scholar in Household Science
ERNEST CARROLL FAUST, Fellow in Zoology
CONSTANCE WILBERTA FERGUSON,[1] Scholar in French (*Nominee of Illinois Wesleyan University*)
ALVIN TEXAS FISHMAN, Scholar in Animal Husbandry (*Nominee College of Agriculture*)
HOBART DICKINSON FRARY, Fellow in Mathematics
HARRY RHEINHARDT FRITZ, Research Fellow in Electrical Engineering
ELIZABETH LEAH FULLENWIDER, Scholar in English
MARGUERITE ELSTON GAUGER, Scholar in Household Science
MARCUS SELDEN GOLDMAN, Scholar in English
MARGARET LOLA GOLDSMITH, Scholar in German (*Nominee of Illinois Wesleyan University*)
CLARA LUISE HAESSLER, Fellow in German
DWIGHT FREDERICK HEATH, Scholar in Mathematics
RUTH HIGLEY, Fellow in Zoology
ROBERT MCCLAUGHEY HILL, Scholar in Chemistry (*Nominee of Carthage College*)
JACOB ARNOLD HOFTO, Fellow in History
ELMO PAUL HOHMAN, Scholar in History (*Nominee of College of Liberal Arts and Sciences*)
CHARLES MORSE HUFFER, Scholar in Mathematics
HELEN DORCAS JAMES, Scholar in English
WALTER WILSON JENNINGS, Fellow in History
SEBASTIAN KARRER, Fellow in Physics
ALBERT KEISER, Fellow in English
PAUL KENNETH KNIGHT, Scholar in Economics
LOUIS J LARSON, Research Fellow in Theoretical and Applied Mechanics
CHARLTON PAGE LATHROP, Scholar in Pomology
MAC E LEACH, Scholar in English
ALVA ELISHA MCCOY, Scholar in Agronomy
THOMAS BYRA MAGATH, Fellow in Zoology
A ERNEST MAHANNAH, Fellow in Political Science
LESLIE RAY MARSTON, Scholar in Education (*Nominee of Greenville College*)
ETHEL RUTH MURRAY, Scholar in Classics
MERLE LOUIS NEBEL, Fellow in Economic Geology
WILLIS JAMES NOLAN, Scholar in Entomology
BENITO RENE ORODNEZ, Research Fellow in Railway Electrical Engineering (*Nominee of the College of Engineering*)
WILLIAM LOVE PARISH, Scholar in Architectural Engineering
NEWTON LYMAN PARTRIDGE, Fellow in Horticulture
ADOLPH FREDERICK PAULI, Scholar in Latin
BERNARD PEPINSKY, Research Scholar in Engineering Mechanics
RAY STUART QUICK, Research Fellow in Engineering
LEWIS BRADFORD RIPLEY, Fellow in Entomology
EDWARD ALEXANDER ROBERTS, Research Fellow in Railway Engineering
GWLADYS ELLEN ROBERTS, Scholar in Latin
CHARLES MARION ROSS, Scholar in Physiology (*Nominee of Eureka College*)
KENNETH DWIGHT ROSS, Scholar in Economics
ROBERT ROYAL RUSSEL, Fellow in History
RACHEL LOUISA SARGENT, Scholar in Latin
HELEN KATHERINE SCHOEPPERLE, Fellow in History

[1] Resigned January 31, 1917

ERNEST RUDOLPH SCHULZ, Scholar in Agronomy
HERBERT FRANK SEIFERT, Scholar in Entomology
FRANKLIN FRED SHERWOOD, Fellow in Chemistry
HORACE ABBOTT SHONLE, Scholar in Animal Husbandry
LINTON MILLARD SMITH, Scholar in Chemistry (*Nominee of Shurtleff College*)
MERLIN GRANT SMITH, Fellow in Mathematics
ALLEN EDWIN STEARN, Fellow in Chemistry
BIRD RICHARD STEPHENSON, Scholar in Physics
CHARLES JACOB STOWELL, Fellow in Economics
FREDERICK PAUL STRAUCH, Research Fellow in Gas Engineering
STETFAN FUGTA TANABE, Research Fellow in Physics
JOHN LAWRENCE TEARE, Scholar in Political Science
GERALD STAMPER TEBBE, Scholar in Educational Psychology
RICHARD LAURENCE TEMPLIN, Research Fellow in Theoretical and Applied Mechanics
RALPH EARLE TIEJE, Fellow in English
HELENA MARIE ULRICI, Scholar in German (*Nominee of Rockford College*)
HAROLD PARSONS VAIL, Research Scholar in Mechanical Engineering
CAMILLO WEISS, Research Fellow in Civil Engineering
EDWARD WICHERS, Fellow in Inorganic Chemistry
WILLIAM HAROLD WILSON, Fellow in Mathematics
GEORGE NORTON WOLCOTT, Fellow in Entomology
DALE S YOUNG, Scholar in Mathematics (*Nominee of Hedding College*)
HACHIRO YUASA, Scholar in Entomology

The Francis John Plym Fellowship in Architecture

ROGER CHARLES KIRCHHOFF, 1913

UNIVERSITY HONORS

Awarded by the Faculty of the University

1915–16

HONORS AT COMMENCEMENT

(*June, 1916*)

College of Liberal Arts and Sciences

THE DEGREE OF A.B. WITH HONORS

Edward Corbyn Obert Beatty, in History
Ben Conrad Berg, in History
Miriam Rebecca Fasold, in Economics
Dwight Frederick Heath, in Mathematics
Elmo Paul Hohman, in History
Olive Dean Hormel, in English
Ruth Ellen Lancaster, in History
Mac E Leach, in English
Adolph Frederick Pauli, in Classics
Agnes Wright, in History

SPECIAL HONORS

Sidney Dale Kirkpatrick, in Chemical Engineering
Chester William Lenzing, in Chemistry
Horace Abbott Shonle, in Chemistry
Walter Joseph Tilton, in Chemistry

College of Commerce and Business Administration

THE DEGREE OF A.B. WITH HONORS

Kenneth Dwight Ross

FINAL HONORS

Walter Earl Baker
Paul Kenneth Knight
John Lester Ludwig
Leo Gay McAfee
Elliott Strong Miller
Kenneth Dwight Ross

College of Engineering

FINAL HONORS

Clarence Louis Bentz
Thomas Henry Burrell
Clarence Todd Grant
Eugene Carl Hamill
Arnold Carl Holinger
Willis Wilkinson Hubbard
Frank Sumner Hunt
Charles Harold Jackman
Cornelius Walter Koebele
Leroy William Ledgerwood
Earl Emanuel Libman
Leo Joseph Mattingly
Leslie Sherman Morrill
Adolph Lincoln Nelson
William Love Parish
Eric Frederick Pihlgard
George W Renwick
Frank Rosenberg
Don Buel Schuler
James Crear Stirton
Albert Getten Stone
Arthur Charles Zimmermann

SPECIAL HONORS

Eugene Carl Hamill
Adolph Lincoln Nelson
Frank Rosenberg

College of Agriculture

FINAL HONORS

Edwin Adams Bebb
Forrest Bebb
Earl Vivian Bruington
Alvin Texas Fishman
John Ray Gilkey
Louis Jacob Greengard
Leonard B Hiebel
Sherman Ingels
Leo Charles Jez
William Stanton Ladd
Charlton Page Lathrop
Ellena Lee
Alexander Paul Macdonald, Jr.
Benjamin Harrison Questel
Ernest Rudolf Schulz
Arthur Truman Semple
Wilbur Mills Sutherland
Clair Joel Thomas
Oliver John Troster

SPECIAL HONORS

Louis Jacob Greengard, in Botany

College of Law

FINAL HONORS

NUEL DINSMORE BELNAP

FRED HANFORD KELLY

Library School

FINAL HONORS

JESSIE ELIZABETH BISHOP

School of Music

MABEL LOUISE RUEHE

PRELIMINARY HONORS

October, 1916

College of Liberal Arts and Sciences

RUTH AMELIA ALVERSON
FRED PHELPS BAKER
LOUIS ROLLAND BERNER
JAMES BENNETT CHILDS
GRACE JEAN CHRISTY
DOROTHY LANNING DOTY
HELENE ELEANORE DOTY
CHARLES FAIRMAN
MCKINLEY GARDNER
ESTHER CRANSTON GREEN
JOSEPH LOWE HALL
FLORA EMILY HOTTES
ANNA LIBMAN
ALIDA HELEN MOSS
CATHERINE NEEDHAM
MARION GOERZ SWANBERG
VIVIAN EARLE TILLSON
JOHN MILTON WILLIAMS
WINIFRED WILSON

College of Commerce and Business Administration

MILDRED DUMKE
ELMORE ALBERT GRIPP
WILLIAM LEE KLINK
RALPH MORLAN NETZ
FRANCELIA PLUMLY SARGENT
FRANK SPAIN SHY
CARLETON MYRON TOWER
WARD MAURICE WILLITS
LAURENCE MORSE WINTERS

College of Engineering

HARRY GEORGE ANTENEN
CURTIS LOVE BOARDMAN
WILLARD EDWIN BULL
CHARLIE JAMES CALKIN
EARLE WESLEY CARRIER
CASIMIR STANLEY CIERPIK
CHARLES HENRY CLARAHAN
PAUL V COTTINGHAM
HELGE CHRISTOPHER DIESERUD
JOSEPH DVORAK
JACOB HOWARD EUSTON
RONALD EDWARD FOULKE
JESSE LEHMAN GARY
PENCO GHERGANOFF
JOHN REED HODGE
DAVID HORWICH
OSCAR IVAN LYONS
ROBERT EMMETT MCKEEVER
HAROLD LOEFFEL OLESEN
FREDERICK ALBERT PECK
EDWIN RUDOLPH PETZING
HARRY RICHMOND SEAVEY
ERNEST LAWRENCE STOUFFER
CLARK HENRY STURM
LYLE AVERY WILSON
LELAND EDWARD YEAGER

College of Agriculture

RUSSELL EVANS APPLE
BESSIE MAY ATKINS
HENRY SCOVILLE BEARDSLEY
IRVING ALSON DENISON
GEORGE EDWARD KIRCHER FAGER
WALTER ADOLPH GOELITZ
JOEL WARING GREENE
DONALD RICHARD MITCHELL
HARRIET MURIEL PHILLIPS
BEN JAMES PRINCE
FRANK SAILER
GERTRUDE SAWYER
RALPH LINDON SMITH
EN-LIN SUN
HAROLD BRADFORD TUKEY

College of Law

LOYD DANIEL BUNTING
CLARENCE EUGENE KIMMEL
THOMAS SHERMAN MORGAN

School of Music

CLARA GRACE ARMINGTON

MILITARY HONORS

COMMISSIONED AS BREVET CAPTAINS, ILLINOIS NATIONAL GUARD, ISSUED BY THE GOVERNOR IN 1916

Edwin Shelby, Jr.
Francis M Van Natter
Lloyd E Lamkins
Ralph R Thomas
Oliver J Troster
Ross S Mason
George Curtiss
Reinhard A J Steinmayer
Daniel E Miller
Charles W McCumber
Charles N Owen
William H Kasten
Oliver C K Hutchinson
Edgar C Swartwout
Edward C O Beatty
Kenneth C Bell
Alwin G Steinmayer
Leslie S Morrill
Dudley W Crane
Clyde J North
John H Gage
Eric F Pihlgard
Hans P Greison
Maurice C Johnson
Dwight F Heath
Walter W Shelden
Leslie R Lumley
Waldern H Hough
Russell W Millar
Chester G Hadden
Warren P Beaubien
Russell D Barnes
Leal W Reese
Harry W MacKechnie
Albert G Stone
John G Eppinger
Carson G Jennings
Siegfried N Vibelius
George A Gieb
Kenneth B Bush
Charles L Ritts

REPORTED TO THE ADJUTANT GENERAL, UNITED STATES ARMY, AS DISTINGUISHED CADETS

George Curtiss
George Albert Geib
Waldern Henry Hough
Carson Gary Jennings
Lloyd E Lamkins
Ross S Mason
Charles W McCumber
Daniel E Miller
Leslie S Morrill
Eric H Pihlgard
Edwin Shelby, Jr.
Reinhard A J Steinmayer
Oliver J Troster
Ralph R Thomas

ROSTER OF OFFICERS OF THE UNIVERSITY BRIGADE, 1916-17

Colonel

W O Nelson

Lieutenant-Colonels

J H Powers
W F Campbell

Majors

J T Lewis
R H Engle
L H Gift
J R Lindsey
H L Husson
M B Ware
A R Keagy

Captains

T T McEvoy
C Gross
H P Thurlow
R L McKown
J E Ott
L F Simpson
A C Ames
R H Lawrence
C W Borton
V H Grossberg
H C Gesselbracht
G C Darrell
E S Axline
J L Crawford
J H Needler
H O Siegmund
L W Chalcraft
C A Britt
M D Roberts
L L Davis
D T Swaim
J N Johnson
H G Overend
P W Ott
J W Smith
L Warmolts
M Cuskaden
G C Smith
C W Smith
G L Smith
T S Hamilton
C R Gideon
D D Sharer

First Lieutenants

C Fairman
L S Foote
E R Brigham
W M Willetts
L E Yeager
F C Kalthoff
H R Ide
F D Ball
D R E Brown
O G Brain
J M Gray
R Hummeland
C M Roberts
V A Pecchia
E R Petzing
W H Bon Durant
J N Cost
F N Vaughn
G E Dickson
J H Hackley
H S Olesen
C C Brooks
W E Cleveland
I Hultman
A Lee
I W Turnquist
W Van Cleve
F H Miller
C Anderson
H O Swindler
C C Larson
D R Gooch
C E Snell
S B Trelease
J A Peterson
R C Gore
I B Olin
R H Antoszewski
G A Sowers

Second Lieutenants

E W Bailey
E S Moberly
D M Chalcraft
H A Wells
D W Hickey
M B Harland
W F Coolidge
H A Huisken
E I Kober
H T Meek
N O Taylor
R H Mallory
E M Fickett
A K Wuerker
C A Wagner
A L Kline
J M Gregory
A E Parr
W J Alcock
W B Hostetler
A H Frick
H Reichelderfer
A J Eichberg
H B Tukey
F E Lundgren
J S McCarroll
A K Schifflin
H S Dieserud
M A Yockey
A C Wilson

ANNUAL COMPETITIVE DRILLS—1916

University Gold Medal.....Sergeant Major Charles Fairman, First Infantry
Hazelton Gold Medal.....Private W. J. Risley, Company "L" First Infantry

Infantry

University Bronze Medals

(Sophomore Competitive Drill)

Company "E" First Regiment

Captain,	L. S. Morrill	Privates,	W. Hawthorne
1st Lieutenant,	H. O. Siegmund		T. H. Jackson
2nd Lieutenant,	J. H. Needler		C. S. Kayser
1st Sergeant,	W. E. Cleveland		J. T. Kelly
Q. M. Sergeant,	H. T. Clapp		C. Kreidler
Sergeants,	D. A. Armstrong		W. McCartney
	C. Lively		R. J. Maxwell
	D. Horwich		G. Murphy
	A. R. Moore		G. W. Nachtrieb
	R. Stevens		J. M. Nafziger
	F. H. Pearson		F. B. Parden
	L. Williams		B. J. Prince
Corporals,	H. P. Buck		J. R. Purcell
	W. H. Doescher		L. C. Raines
	F. Sailor		E. T. Rundquist
	P. T. Sawyer		A. N. Reece
Privates,	F. B. Barber		E. Sisson
	M. M. Benson		R. C. Smith
	H. E. Bruns		L. L. Smith
	C. E. Born		J. F. Staples
	J. M. Birks		W. Stephens
	H. H. Carrithers		A. Thor
	Q. K. Chen		I. W. Traxler
	A. M. Conger		S. N. Van Winkle
	K. G. Cooling		L. Westenhaver
	H. R. Criley		R. S. White
	M. Fogler		A. O. Wiese
	L. E. Gildner		J. M. Williams
	A. V. Hardesty		O. H. Williams

University Bronze Medals[1]

(Freshman Competitive Drills)

Company "I" First Regiment

Captain,	E. F. Pihlgard	Privates,	A. G. Groche
1st Lieutenant,	J. H. Powers		T. E. Henley
2nd Lieutenant,	C. W. Borton		C. Howe
1st Sergeant,	A. Lee		H. N. Ingwersen
Q. M. Sergeant,	W. F. Coolidge		F. Koepke
Sergeants,	O. C. Beatty		E. C. Kuechler
	I. A. Denison		R. L. Leach
	R. N. Foster		T. E. Lowrey
	A. E. Ingwers		H. W. McDaniel
	E. Morsch		G. S. McLaughlin
	A. W. Pickett		J. C. Manley
Lance Corporals,	W. Brown		W. K. Maynard
	H. Boyle		C. Miller
	M. D. Downs		L. Murray
	W. P. Jones		C. A. Nagel
	G. C. Ousley		H. A. Neff
	W. W. Thorp		A. E. Norton
	W. T. Woleben		G. R. Postle
Privates,	H. L. Ackert		O. Randall
	P. Arndt		J. Richards
	C. Bardwell		A. K. Sanderson
	E. E. Bauer		C. J. Scanlan
	J. J. Bickel		A. H. Schroeder
	P. J. Bronson		W. Shaw
	J. G. Clark		D. M. Smith
	K. P. Comstock		J. R. Spencer
	D. E. Coulter		G. W. Stone
	C. S. Dustin		R. J. Tarbox
	L. Ernst		F. W. Valentine
	J. S. Foley		L. E. Wagner
	D. Forty		J. J. Yount
	J. Goldberg		

Signal Company

University Bronze Medals

Flag Section

Privates,	W. W. Schreiner
	R. D. Norris

Key Section

Privates,	E. L. Davis
	W. L. Shellabarger

Semaphore

Corporal,	R. Brooks
Private,	F. J. Hartigan

Heliograph Section

Privates,	F. L. Goldman
	T. R. Gibson

Wireless Section

Privates,	Caldwell, K. R.
	Allman, J. C.

Engineer Company Competitive

Knot Tying and Lashing

1st Sergeant,	V. A. Pecchia
Sergeant,	C. F. Mercer
Private,	J. M. Aubuchon

Map Sketching

Corporals,	B. A. Wrede
	K. W. Carr
Private,	A. Hoehnke

Hospital Company Competitive

Best Drilled Cadet

Private, N. Feldman

Litter Section

Sergeant,	P. G. Kreider, In Charge	Privates,	W. Curtis
Privates,	R. H. Antoszewski		R. H. Girhard
	J. A. Peterson		

[1] Sophomores, bronze medals. Freshmen, bronze pins.

Rifle Teams

FIRST TEAM

Silver Medals

Company L, 2nd Infantry—

1st Sergeant,	E. R. Brigham
Sergeants,	W. W. Hancock
	C. A. Wagner
Privates,	P. S. Nelson
	J. E. Halligan
	R. L. Morse
	R. Stockenberg
	P. M. Young
	C. M. Hayes
	R. T. Twells

SECOND TEAM

Bronze Medals

Company I, 1st Infantry—

1st Sergeant,	A. Lee,
Sergeant,	M. C. Troster
Privates,	H. W. McDaniel
	G. R. Postel
	G. S. McLaughlin
	M. D. Downs
	A. Shroeder
	G. W. Stone
	T. E. Henley
	W. P. Jones

PRIZES

American Institute of Architects Medal

CAROL AARON KLEIN

The B'nai B'rith Prize

CHARLOTTE B GOLDBERG

The Phi Beta Kappa Prize

EDWARD CORBYN OBERT BEATTY

Honorable Mention

ELMO PAUL HOLMAN

KENNETH DWIGHT ROSS

The St. Patrick's Day Prize

MINNIE LUCILE NEEDHAM

Conference Medal for Excellence in Scholarship and Athletics for the Year 1916

ELMO PAUL HOHMAN

SUMMARY OF DEGREES CONFERRED

1916

Degrees in the Graduate School		
A.M.	52	
M.S.	53	
C.E.	10	
E.E.	5	
M.E.	5	
E.M.	1	
Ph.D.	33	
Total		159
Baccalaureate Degrees		
A.B., College of Liberal Arts and Sciences	228	
B.S., College of Liberal Arts and Sciences	21	
A.B., College of Commerce and Business Administration	69	
B.S., College of Engineering	223	
B.S., College of Agriculture	189	
B.Mus., School of Music	7	
Total		737
Degrees in Law		
LL.B.	21	
J.D.	4	
Total		25
Degrees in Library Science		
B.L.S.		11
TOTAL, COLLEGES AND SCHOOLS AT URBANA		932
Degrees in Medicine		
B.S.	12	
M.D.	109	
Total		121
Degrees in Dentistry		
D.D.S.		32
Degrees in Pharmacy		
Ph.G.	39	
Ph.C.	2	
Total		41
TOTAL, DEPARTMENTS IN CHICAGO		194
TOTAL, ALL DEPARTMENTS		1126

SUMMARY OF OFFICERS

BY COLLEGES AND SCHOOLS

1916-1917

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..	46	..	9	..	20	..	24	1
One-Year Medical.....	3	..	..	..	3	..	3	..
Commerce and Business Administration.....	4	..	..	..	3	..	..	..
Engineering.....	21	..	3	..	19	..	20	..
Agriculture.....	13	1	2	..	18	1	17	6
Music.....	1	..	..	..	1	..	..	..
Law.....	7	..	..	..	1	..	..	..
Library.....	1	..	..	..	..	1	1	..
Military Science.....	1	..	..	..	4	..	..	..
Physical Training.....	1	1	..	..	..	..	3	..
Photography.....	..	..	..	..	..	..	..	..
Totals at Urbana.....	98	2	14	..	69	2	68	7
Medicine.....	29	..	6	1	23	1	8	..
Dentistry.....	8	..	..	..	6	..	2	..
Pharmacy.....	1	..	..	..	2	..	..	..
Totals in Chicago.....	38	..	6	1	31	1	10	..
TOTALS IN UNIVERSITY.	136	2	20	1	100	3	78	7

OFFICERS OF ADMINISTRATION

General.....

Library Staff.....

TOTAL, INSTRUCTIONAL AND ADMINISTRATIVE.....

Deduct duplicates.....

NET TOTAL IN UNIVERSITY.....

SUMMARY OF OFFICERS

BY COLLEGES AND SCHOOLS

1916-1917

Special Lecturers		Instructors		Assistants		Graduate Assistants		Student Assistants		Totals		
Men	*Wom.*	*Men*	*Wom.*	*Men*	*Wom.*	*Men*	*Wom.*	*Men*	*Wom.*	*Men*	*Wom.*	*Total*
3	..	44	8	87	15	22	8	6	..	261	32	293
..	..	3	..	6	2	1	..	..	..	19	2	21
1	..	12	..	7	..	..	..	..	..	27	..	27
..	..	35	..	19	..	..	..	..	..	117	..	117
..	..	24	7	30	7	..	..	..	..	104	22	126
..	..	6	3	..	..	..	..	..	..	8	3	11
..	..	..	..	..	..	..	..	..	..	8	..	8
..	1	..	2	..	..	..	..	..	..	2	4	6
..	..	..	..	..	..	..	..	10	..	15	..	15
..	..	3	3	2	2	..	..	..	1	9	7	16
..	..	1	..	..	..	..	..	..	..	1	..	1
4	1	128	23	151	26	23	8	16	1	571	70	641
3	..	59	2	15	3	..	..	5	..	148	7	155
2	..	9	..	4	1	..	..	5	..	36	1	37
1	..	3	..	..	..	..	..	..	..	7	..	7
6	..	71	2	19	4	..	..	10	..	191	8	199
10	1	199	25	170	30	23	8	26	1	762	78	840
.....										52	3	55
.....										7	43	50
.....										821	124	945
.....										71	6	77
.....										750	118	868

SUMMARY OF STUDENTS
1916-1917

College and Course	Seniors			Juniors			Sophomores		
	Men	Wom.	Total	Men	Wom.	Total	Men	Wom.	Total
LIBERAL ARTS AND SCIENCES									
General	62	102	164	91	113	204	122	120	242
Medical Preparatory	2	...	2	6	2	8	26	1	27
Household Science	..	46	46	...	57	57	...	63	63
Chemistry	14	...	14	21	...	21	12	...	12
Chemical Engineering	19	...	19	29	...	29	30	...	30
Totals	97	148	245	147	172	319	190	184	374
ONE-YEAR MEDICAL									
COMMERCE AND BUSINESS ADMINISTRATION	74	2	76	121	5	126	138	3	141
ENGINEERING									
Architecture	26	3	29	30	...	30	36	1	37
Architectural Eng.	28	...	28	44	...	44	35	...	35
Ceramic Engineering	7	...	7	18	...	18	8	...	8
Civil Engineering	40	...	40	32	...	32	45	...	45
Electrical Engineering	38	...	38	68	...	68	52	...	52
Mechanical Engineering	40	...	40	56	...	56	67	...	67
Mining Engineering	8	...	8	7	...	7	2	...	2
Mun. and San. Eng.	6	...	6	9	...	9	6	...	6
Railway Civil Eng.	1	...	1	6	...	6	4	...	4
Railway Electr. Eng.	3	...	3	6	...	6	3	...	3
Railway Mech. Eng.	2	...	2	2	...	2	2	...	2
Totals	199	3	202	278	...	278	260	1	261
AGRICULTURE									
General	207	4	211	205	3	208	197	5	202
Household Science	...	36	36	...	28	28	...	16	16
Totals	207	40	247	205	31	236	197	21	218
MUSIC	...	11	11	...	13	13	...	11	11
TOTALS UNDERGRADUATES AT URBANA									
				Third Year			*Second Year*		
LAW				17	...	17	19	...	19
LIBRARY SCHOOL							...	14	14
TOTALS, UNDERGRADUATES AND PROFESSIONAL SCHOOLS AT URBANA									
GRADUATE SCHOOL									
TOTALS AT URBANA, WINTER SESSION									
SUMMER SESSION, 1916									
Undergraduates									
Graduate Students									
Total, Summer Session									
TOTALS AT URBANA, TO FEBRUARY 21, 1917									
	Fourth Year			*Third Year*			*Second Year*		
MEDICINE (Chicago)	47	2	49	28	2	30	43	3	46
DENTISTRY (Chicago)				40	...	40	48	3	51
PHARMACY (Chicago)									
Ph.G. Curriculum							59	8	67
Ph.C. Curriculum							6	2	8
Specials							7	...	7
Total, Pharmacy							72	10	82
TOTAL IN CHICAGO									
TOTAL IN UNIVERSITY, TO FEBRUARY 21, 1917									
DUPLICATES TO BE DEDUCTED									
Summer Session Undergraduates returned for Winter Session									
Summer Session Graduate Students returned for Winter Session									
Other duplicate registrations									
Total duplicates									
NET TOTAL, TO FEBRUARY 21, 1917									

SUMMARY OF STUDENTS
1916-1917

Freshmen			Specials			Totals		
Men	*Wom.*	*Total*	*Men*	*Wom.*	*Total*	*Men*	*Wom.*	*Total*
237	286	523	12	14	26	524	635	1159
62	5	67	3	...	3	99	8	107
...	96	96	...	...	...	...	262	262
46	1	47	...	...	...	93	1	94
76	...	76	...	...	...	154	...	154
421	388	809	15	14	29	870	906	1776
8	...	8	...	...	...	8	...	8
360	15	375	21	...	21	714	25	739
50	1	51	2	...	2	144	5	149
55	...	55	...	...	...	162	...	162
10	...	10	...	...	...	43	...	43
86	...	86	1	...	1	204	...	204
114	...	114	1	...	1	273	...	273
119	...	119	4	...	4	286	...	286
12	...	12	1	...	1	30	...	30
7	...	7	...	...	...	28	...	28
3	...	3	...	...	...	14	...	14
4	...	4	...	...	...	16	...	16
2	...	2	...	...	...	8	...	8
462	1	463	9	...	9	1208	5	1213
324	10	334	72	13	85	1005	35	1040
...	46	46	...	7	7	...	133	133
324	56	380	72	20	92	1005	168	1173
1	43	44	6	23	29	7	101	108
						3812	1205	5017
First Year			*Specials*					
29	2	31	6	...	6	71	2	73
5	26	31	...	...	...	5	40	45
						3888	1247	5135
						391	86	477
						4279	1333	5612
						579	410	989
						131	27	158
						710	437	1147
						4989	1770	6759
First Year			*Specials*					
85	4	89	1	...	1	204	11	215
85	3	88	3	...	3	176	6	182
47	3	50	...	...	...	106	11	117
...	...	...	...	...	...	6	2	8
29	...	29	...	...	...	36	...	36
76	3	79	...	...	...	148	13	161
						528	30	558
						5517	1800	7317
						253	148	401
						71	9	80
						6	2	8
						330	159	489
						5187	1641	6828

DIRECTORY OF ALUMNI ASSOCIATIONS

GENERAL ALUMNI ASSOCIATION

Office: 358 Administration Building, University of Illinois, Urbana-Champaign
Official Publication: The ALUMNI QUARTERLY AND FORTNIGHTLY NOTES, 358 Administration Building.
To foster a spirit of loyalty and fraternity among the graduates and former students of the University of Illinois and to effect united action in promoting the welfare of the University.
President: H. J. Burt, '96, 1400 Monroe Building, Chicago, Ill.
Secretary-Treasurer: Franklin W. Scott, '01, 703 Michigan avenue, Urbana, Ill.

DEPARTMENTAL ALUMNI ASSOCIATIONS

The Alumni Association of the Library School
President: Mrs. Bertha S. Baird, '11, Mason City Public Library, Mason City, Iowa
Secretary-Treasurer: Josie B. Houchens, '05, University of Illinois Library
The Alumni Association of the College of Medicine
President: Dr. H. E. Irish, '01, 1958 W. Grand avenue, Chicago
Secretary: Dr. W. C. Hammond, '11, 737 Sheridan Road, Chicago
The Alumni Association of the College of Dentistry
President: Dr. C. M. Loescher, '04.
Secretary: Dr. Louis Miller, '06, 813 W. Harrison street, Chicago
The Alumni Association of the School of Pharmacy
President: George P. Mills, '84, Evanston, Ill.
Secretary-Treasurer: A. H. Clark, 74 E. Twelfth street, Chicago

LOCAL ALUMNI ASSOCIATIONS

California
SAN FRANCISCO: The Golden Gate Alumni Association of the University of Illinois
President: Wm. G. Humnel, '07, 2691 Cedar street, Berkeley
Secretary-Treasurer: Ella Barber, '84, 2121 Shattuck avenue, Berkeley
SOUTHERN CALIFORNIA: The University of Illinois Alumni Association of Southern California
President: Frank L. Drew, '04, 1154 N. Mentor avenue, Pasedena
Secretary: Ernest Ingold, '09, Twelfth and Grand, care Electric Equipment Co., Los Angeles

Colorado
University of Illinois Club of Colorado
President: Frank L. Birney, '81, 309 Ideal block, Denver
Secretary-Treasurer: Dr. T. J. Fenton, '06, Majestic building, Denver

District of Columbia
WASHINGTON: University of Illinois Club of Washington
Secretary: W. O. Gordon, '11, Bureau of Animal Husbandry, Dept. of Agriculture, Washington, D. C.

Idaho
The Illini Club of Idaho
President: C. F. Pike, '99, U. S. Assay Office, Boise
Secretary: F. N. Roop, '08, Federal bldg., Boise

Illinois
AURORA: Aurora Illini Club
President: M. A. Kendall, '07, 715 Garfield blvd.
Secretary-Treasurer: W. B. Greene, '08, care Stephens-Adamson Co.
BELLEVILLE: The Illini Club of Belleville
President: L. N. Perrin, '07, Penn bldg.
Secretary: C. R. Ogle, '13, 617 E. B street
CENTRALIA: Centralia Illini Club
President: Charles Wham, '12
CHAMPAIGN: Champaign County Illini Club
President: L. U. Everhart, '09, 1207 S. Orchard street, Urbana
Secretary-Treasurer: R. F. Little, '07, 606 Chalmers street, Champaign
CHICAGO: The Illini Club of Chicago
President: Geo. T. Donoghue, '06, 523 Oakdale ave., Lake View
Secretary: R. N. Erskine, '09, 517-20 Harris Trust bldg., Chicago
University of Illinois Alumnæ Association of Chicago
President: Mabel Hopkins Hubbard, '10, 1409 Iowa street, Oak Park
Secretary-Treasurer; Carrie Norton Laemmle, '07, 6132 Langley ave., Chicago
DECATUR: Decatur Illini Club
President: W. J. Carey, '06, 718 W. Marietta street
FREEPORT: Freeport Illini Club
President: George Schmelze, ex-10, 447 Lincoln ave.
Secretary: R. M. Seeley, ex-'16, 44 Lincoln ave.
LA SALLE COUNTY: La Salle County Illini Club
President: D. G. Cairns, '02, 633 Congress street, Ottawa
Secretary-Treasurer: J. R. Fornof, '10, 804 S. Park street, Streator

PEORIA: Peoria Illini Club
President: Irwin Fuller, '10, 415 Woolner bldg.
Secretary: E. V. Champion, '12, 549 Woolner bldg.
ROCKFORD: University of Illinois Club of Rockford
President: E. G. Brands, '11, care of Rockford *Morning Star*
Secretary-Treasurer: J. G. Fillmore, '09, 411 W. State street
SPRINGFIELD: Springfield Illini Club
Vice-President: E. D. Poston, ex-'11, 409 North Fifth street
Secretary: E. K. Stuart, '10, 109 W. 5th street
VERMILION COUNTY: Vermilion County Illini Club
Secretary-Treasurer: Mabel Bredehoft, '09, 309 Walnut street, Danville
WESTERN ILLINOIS: Western Illinois Illini Association
President: W. E. Whiteside, '07, Moline
Secretary-Treasurer: James M. Johnston, '09, Moline

Indiana

INDIANAPOLIS: Indianapolis Illini Club
President and Acting Secretary: C. E. Sargent, '86, 2272 N. Meridian street

Iowa

DES MOINES: Des Moines Illini Club
President: L. S. Ross, '89, 1308 Twenty-seventh street
Secretary: E. R. Crowson, ex-'16, care American Life Ins. Co.

Massachusetts

BOSTON: New England Illini Club
President: C. P. Jeffers, '74, Swampscott, Mass.
Secretary: F. G. Norbury, '13, g-291 Brookline ave., Boston

Michigan

DETROIT: The University of Illinois Alumni Association of Detroit
President: O. C. F. Randolph, '13, 21 Rowena street
Secretary-Treasurer: Roy G. Bluth, '15, 832 Second ave.

Minnesota

MINNEAPOLIS AND ST. PAUL: Illini Club of the Northwest
President: G. W. Rathjens, '10, 163 West Robie street, St. Paul
Secretary: E. O. Korsmo, '11, Y. M. C. A., St. Paul

Missouri

KANSAS CITY: University of Illinois Southwestern Alumni Association
President: A. G. Higgins, '93, 2315 Flora ave., Kansas City
Secretary: D. C. Ketchum, '99, 518 New York Life bldg., Kansas City
ST. LOUIS: The Illini Club of St. Louis
President: C. C. Willmore, '11, 5736 Page blvd.
Secretary-Treasurer: Carl Harnist, '08, 2321 Whittemore pl.

New York

NEW YORK CITY: University of Illinois Alumni Association of New York
President: S. T. Henry, '04, 239 West 39th street
Secretary: E. C. Prouty, '14, 239 West 39th street
SCHENECTADY: The Illini Club of Schenectady
President: O. E. Shirley, '10, 706 South ave.
Secretary-Treasurer: D. R. Lagerstrom, '11, Box 810

North Dakota

FARGO: Fargo Illini Club
President: E. S. Keene, '90, 1028 Seventh street, N.
Secretary-Treasurer: Frank White, '80, Valley City

Ohio

CINCINNATI: Cincinnati Illini Club
President: F. L. Swanberg, '03
Secretary: C. M. Kennan, '12, Y. M. C. A., Seventh and Walnut streets
CLEVELAND: The Illini Club of Cleveland
President: H. S. Greene, '05, care Mungesser Carbon & Battery Works
Secretary: L. C. Kant, '13, 79 Belmore rd.

Oregon

PORTLAND: The Illinois Alumni Association of Portland

Pennsylvania

PITTSBURGH: University of Illinois Club of Pittsburgh
President: I. B. Stiefel, '12, 600 Mulberry street
Secretary-Treasurer: L. F. Hamilton, '97, care National Tube Co.

Tennessee

MEMPHIS: Memphis Illini Club
President: D. M. Crawford, '05, Builders' Exchange
Secretary: L. D. Knapp, '15, 839 Rayner street

Texas

HOUSTON: Houston Illini Club
President: F. G. Frost, '01, Box 1286
Secretary-Treasurer: C. E. Brockman, '11, 510 First National Bank Bldg.
PALACIOS: Gulf Coast Alumni Club
President and Acting Secretary: Mary Williamson Elder, '87

Utah

Inter-Mountain Alumni Association of the University of Illinois
President: Wesley E. King, '97, 116 U street, Salt Lake City
Secretary: W. H. Gregory, 406 Utah Savings & Trust bldg., Salt Lake City

Washington

Puget Sound Association of the alumni and former students of the University of Illinois
President: S. F. Bullard, '86, 622 Provident bldg., Tacoma
Secretary-Treasurer: Roy Mason, '10, 1209 Wilcox bldg., Portland, Ore.

Wisconsin

MADISON: University of Illinois Alumni Association of Madison
President: G. R. Bascom, '05, care University of Wisconsin
Secretary-Treasurer: Sidney D. Morris, care University of Wisconsin
MILWAUKEE: University of Illinois Club of Milwaukee
President: C. L. Hall, '06, 186 13th street
Secretary: E. O. Finkenbinder, '10, 1115 Maryland ave.

LOCAL ASSOCIATIONS IN FOREIGN COUNTRIES

India

University of Illinois Association of India
President: George C. Hewes, '83, M. E. Mission, Sitapur, Oudh, India
Secretary: Agnes G. Hill, '92, Y. W. C. A., Lucknow, India

Japan

Illini Club of Japan
President: S. Shiga, '93, Tokyo Technical School, Tokyo
Secretary: G. Fujimura, '11, Agricultural Experiment Station, Taihoku, Formosa

INDEX OF NAMES

(BOARDS, FACULTIES, LECTURERS, AND STAFFS)

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GENERAL INDEX

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