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BULLETIN OF THE

University of Wisconsin

Catalog Number

1927-1928

MADISON—DECEMBER, 1928

BULLETIN OF

THE UNIVERSITY OF WISCONSIN



CATALOG NUMBER

1927-28



Published by the University
Madison
December, 1928

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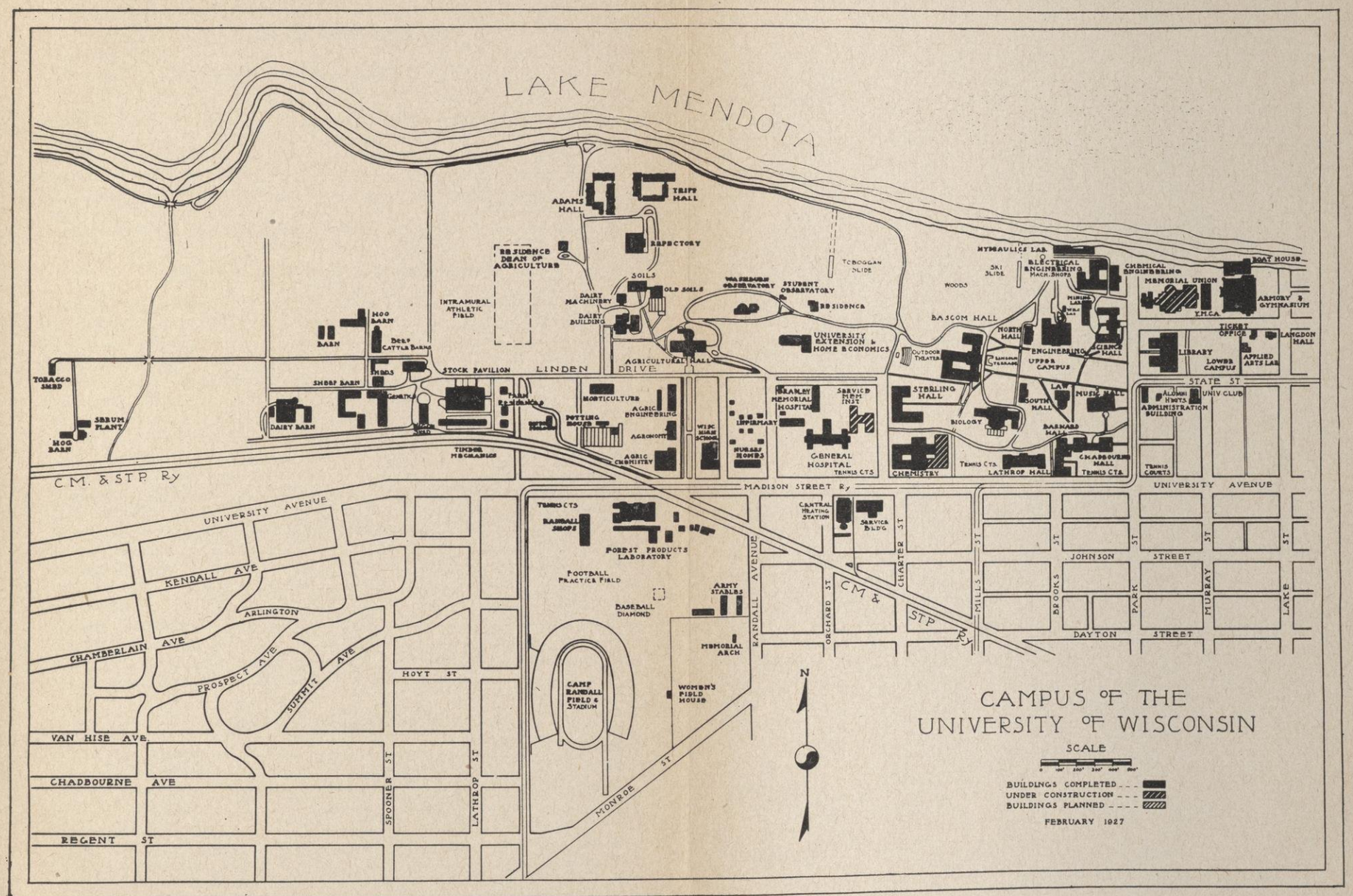

LAKE MENDOTA
ADAMS HALL
TRIPP HALL
REFECTORY
RESIDENCE DEAN OF AGRICULTURE
SOILS
OLD SOILS
WASHBURN OBSERVATORY
STUDENT OBSERVATORY
TOBOGGAN SLIDE
HYDRAULICS LAB.
SKI SLIDE
ELECTRICAL ENGINEERING
CHEMICAL ENGINEERING
MEMORIAL UNION
BOAT HOUSE
ARMORY & GYMNASIUM
Y.M.C.A.
INTRAMURAL ATHLETIC FIELD
DAIRY MACHINERY
DAIRY BUILDING
HOG BARN
BARN
BEEF CATTLE BARNS
SHEEP BARN
HORSES
STOCK PAVILION
LINDEN DRIVE
AGRICULTURAL HALL
UNIVERSITY EXTENSION & HOME ECONOMICS
BASCOM HALL
WOODS
NORTH HALL
ENGINEERING
SCIENCE HALL
UPPER CAMPUS
OUTDOOR THEATER
LIBRARY
LOWER CAMPUS
TICKET OFFICE
APPLIED ARTS LAB
LANGDON HALL
STATE ST
TOBACCO SHED
SERUM PLANT
HOG BARN
DAIRY BARN
GENETICS
FARM MECHANICS
HORTICULTURE
POTTING HOUSES
AGRIC ENGINEERING
AGRONOMY
AGRIC CHEMISTRY
WISC. HIGH SCHOOL
NURSES HOMES
LIBRARY
BRADLEY MEMORIAL HOSPITAL
SERVICE MEM. INST.
GENERAL HOSPITAL
TENNIS CTS.
STERLING HALL
CHEMISTRY
BIOLOGY
SOUTH HALL
MUSIC HALL
BARNARD HALL
LATHROP HALL
CHADBOURNE HALL
TENNIS CTS.
ALUMNI RMS & ADMINISTRATION BUILDING
UNIV. CLUB
TENNIS COURTS
TIMBER MECHANICS
C.M. & STP Ry
MADISON STREET Ry
UNIVERSITY AVENUE
TENNIS CTS
RANDALL SHOPS
FOREST PRODUCTS LABORATORY
FOOTBALL PRACTICE FIELD
BASEBALL DIAMOND
ARMY STABLES
MEMORIAL ARCH
CAMP RANDALL FIELD & STADIUM
WOMEN'S FIELD HOUSE
CENTRAL HEATING STATION
SERVICE BLDG.
RANDALL AVENUE
ORCHARD ST
CHARTER ST
MILLS ST
BROOKS ST
PARK ST
MURRAY ST
LAKE ST
JOHNSON STREET
DAYTON STREET
C M & STP Ry
KENDALL AVE
ARLINGTON
CHAMBERLAIN AVE
PROSPECT AVE
SUMMIT AVE
HOYT ST
VAN HISE AVE
CHADBOURNE AVE
REGENT ST
SPOONER ST
LATHROP ST
MONROE ST
N
CAMPUS OF THE UNIVERSITY OF WISCONSIN
SCALE
BUILDINGS COMPLETED
UNDER CONSTRUCTION
BUILDINGS PLANNED
FEBRUARY 1927

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1927

JULY

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1928

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1929

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APRIL

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JUNE

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CALENDAR

ACADEMIC YEAR 1927-28

FIRST SEMESTER

Sept. 15-17	Thursday-Saturday (noon)	Early registration days
Sept. 15, 16	Thursday, Friday	Examinations for admission
Sept. 19, 20	Monday, Tuesday	Registration days
Sept. 21	Wednesday	Instruction begins
Sept. 24	Saturday	Special examinations for removal of conditions
Nov. 24	Thursday	Thanksgiving Day; legal holiday (one day only)
Dec. 21-Jan. 5	Wed. (noon)-Thur. (8 a. m.)	Christmas recess
Jan. 14	Saturday	Examinations for removal of conditions
Jan. 23-Feb. 1	Monday-Wednesday	Final examinations

SECOND SEMESTER

Feb. 2, 3	Thursday, Friday	Registration days for new students
Feb. 6	Monday	Instruction begins
Feb. 22	Wednesday	Washington's Birthday; legal holiday
April 4-10	Wednesday-Tuesday (incl.)	Spring recess
April 14	Saturday	Examinations for removal of conditions
May 30	Wednesday	Memorial Day; legal holiday
June 4-12	Monday-Tuesday	Final examinations
June 11, 12	Monday, Tuesday	Examinations for admission
June 15-18	Friday-Monday	Commencement week-end

SUMMER SESSION 1928

June 18	Monday	Law School opens
June 25	Monday	Registration day, University at large
June 26	Tuesday	Instruction begins, University at large
July 4	Wednesday	Independence Day; legal holiday
August 3	Friday	Six-week session closes
August 24	Friday	Nine-week session and Law School close

CALENDAR

ACADEMIC YEAR 1928-29

FIRST SEMESTER

Sept. 17, 18	Monday, Tuesday	Examinations for admission
Sept. 19-22	Wednesday-Saturday	Freshman Period (attendance required)
Sept. 21-25	Friday-Tuesday	Registration days for new students other than freshmen
Sept. 24, 25	Monday, Tuesday	Registration days for old students
Sept. 26	Wednesday	Instruction begins
Sept. 29	Saturday	Special examinations for removal of conditions
Nov. 29	Thursday	Thanksgiving Day; legal holiday (one day only)
Dec. 19-Jan. 3	Wed. (noon)-Thurs. (8 a.m.)	Christmas recess
Jan. 12	Saturday	Examinations for removal of conditions
Jan. 28-Feb. 6	Monday-Wednesday	Final examinations

SECOND SEMESTER

Feb. 5, 6	Tuesday, Wednesday	Examinations for admission
Feb. 7, 8	Thursday, Friday	Registration days for new students
Feb. 11	Monday	Instruction begins
Feb. 22	Friday	Washington's Birthday; legal holiday
April 10-16	Wednesday-Tuesday (incl.)	Spring recess
April 20	Saturday	Examinations for removal of conditions
May 30	Thursday	Memorial Day; legal holiday
June 10-18	Monday-Tuesday	Final examinations
June 17, 18	Monday, Tuesday	Examinations for admission
June 21, 24	Friday-Monday	Commencement week-end

SUMMER SESSION 1929

June 24	Monday	Law School opens
July 1	Monday	Registration day, University at large
July 2	Tuesday	Instruction begins, University at large
July 4	Thursday	Independence Day; legal holiday
August 9	Friday	Six-week session closes
August 30	Friday	Nine-week session and Law School close

THE REGENTS OF THE UNIVERSITY

	Term expires
State-at-Large—Adolf Gundersen, La Crosse	1931
State-at-Large—Zona Gale, Portage	1929
State-at-Large—Fred E. Bachman, Appleton	1930
State-at-Large—John C. Schmidtmann, Manitowoc	1932
First District—Victor P. Richardson, Janesville	1931
Second District—Daniel H. Grady, Portage	1930
Third District—Michael B. Olbrich, Madison	1931
Fourth District—Mrs. Meta Berger, Milwaukee	1934
Fifth District—Robert Wild,* Milwaukee	1933
Sixth District—Miss Elizabeth A. Waters, Fond du Lac	1933
Seventh District—Mrs. Clara T. Runge, Baraboo	1932
Eighth District—George W. Mead, Wisconsin Rapids	1934
Ninth District—John E. Cashman, Denmark	1930
Tenth District—Ben F. Faast, Eau Claire	1932
Eleventh District—George A. Nelson, Milltown	1929

Glenn Frank, President of the University, *ex officio*
John Callahan, State Superintendent of Public Instruction, *ex-officio*

OFFICERS OF THE REGENTS

Daniel H. Grady, President
Ben F. Faast, Vice President
Solomon Levitan, State Treasurer, *ex-officio* Treasurer
James D. Phillips, Business Manager
Maurice E. McCaffrey, Secretary

*Deceased October 9, 1928

THE BOARD OF VISITORS

Appointed by the Regents

	Term expires
Loyal Durand, Milwaukee	1928
Harry W. Kircher, Sheboygan	1929
Mrs. Charles R. Carpenter, Madison	1930
George P. Hambrecht, Madison	1931

Appointed by the Alumni

B. E. McCormick, Madison	1928
Mrs. Lucy M. Johnson, Madison	1929
William J. Meuer, Madison	1930
Israel Shrimski,* Chicago	1931

Appointed by the Governor

Mrs. Julia A. Schnetz, Racine	1928
Carl J. Hesgard, Orfordville	1929
Dr. W. C. Sullivan, Kaukauna	1930
Mrs. Hattie C. Tegtmeyer, Milwaukee	1931

*Deceased September 24, 1928.

ADMINISTRATIVE OFFICERS

1928-29

GENERAL

PRESIDENT
GLENN FRANK, *President*
JULIA M. WILKINSON, *Executive Secretary to the President*

DEAN OF MEN
SCOTT H. GOODNIGHT

DEAN OF WOMEN
F. LOUISE NARDIN, *Dean*
SUSAN B. DAVIS, *Assistant to the Dean*
CLARA B. FLETT, *Assistant to the Dean*
ZOE B. BAYLISS, *Assistant to the Dean*

SECRETARY OF THE FACULTY
CHARLES A. SMITH, *Secretary of the Faculty*
GEORGE A. CHANDLER, *Assistant Secretary of the Faculty*

REGISTRAR
FRANK O. HOLT, *Registrar*
GEORGIA M. MARTIN, *Assistant Registrar*

UNIVERSITY LIBRARY
WALTER M. SMITH, *University Librarian*
CLARENCE S. HEAN, *Librarian, Agricultural Library*
FREDERICK E. VOLK, *Librarian, Engineering Library*
MRS. SOPHIE M. BRIGGS, *Librarian, Law Library*
MRS. VIDA H. BLASHFIELD, *Librarian, Medical Library*

HIGH-SCHOOL RELATIONS
THOMAS L. JONES, *High-School Visitor*
ROBERT A. WALKER, *Assistant High-School Visitor*

DEPARTMENT OF MILITARY SCIENCE
THOMAS W. FOX, *Major of Infantry, U. S. A., Commandant*

DEPARTMENT OF PHYSICAL EDUCATION
GEORGE E. LITTLE, *Director of Athletics*
GUY S. LOWMAN, *Director of the Men's Gymnasium*
BLANCHE M. TRILLING, *Director of the Women's Gymnasium*

DEPARTMENT OF STUDENT HEALTH
WILLIAM A. MOWRY, *Physician in Chief*
SARAH I. MORRIS, *Associate Physician*

LOANS AND SCHOLARSHIPS
JULIUS E. OLSON, *Chairman*

EDUCATIONAL

COLLEGE OF LETTERS AND SCIENCE
- George C. Sellery, *Dean*
- Harry Glicksman, *Junior Dean*
- Course in Chemistry and Chemistry-Commerce Course
  - J. Howard Mathews, *Director*
- Course in Humanities—Eugene H. Byrne, *Chairman*
- Course in Pharmacy—Edward Kremers, *Director*

EXPERIMENTAL COLLEGE—Alexander Meiklejohn, *Chairman*

SCHOOL OF COMMERCE—William H. Kiekhofer, *Acting in Charge*

SCHOOL OF EDUCATION—Charles J. Anderson, *Director*
- Courses in Applied Arts and Industrial Education
  - Alanson H. Edgerton, *Chairman*
- Course in Physical Education and Athletic Coaching For Men
  - Guy S. Lowman, *Chairman*
- Course in Physical Education for Women—Blanche M. Trilling, *Chairman*
- University High School—Harry L. Miller, *Principal*

SCHOOL OF JOURNALISM—Willard G. Bleyer, *Director*

LIBRARY SCHOOL
- Clarence B. Lester, *Director*
- Mary Emogene Hazeltine, *Principal*

SCHOOL OF MUSIC—Charles H. Mills, *Director*

COLLEGE OF ENGINEERING
- Frederick E. Turneaure, *Dean*
- Adam V. Millar, *Assistant Dean*
- Course in Chemical Engineering—Otto L. Kowalke, *Chairman*
- Course in Civil Engineering—Leslie F. Van Hagan, *Chairman*
- Course in Electrical Engineering—Edward Bennett, *Chairman*
- Course in Mechanical Engineering—Gustus L. Larson, *Chairman*
- Course in Mining and Metallurgy—Richard S. McCaffery, *Chairman*

COLLEGE OF AGRICULTURE
- Harry L. Russell. *Dean*
- John A. James, *Assistant Dean*
- Course in Home Economics—Abby L. Marlatt, *Director*

LAW SCHOOL—Harry S. Richards, *Dean*

MEDICAL SCHOOL
- Charles R. Bardeen, *Dean*
- Walter J. Meek, *Assistant Dean*

SCHOOL OF NURSING—Helen I. Denne, *Director*

GRADUATE SCHOOL—Charles S. Slichter, *Dean*

EXTENSION DIVISION—Chester D. Snell, *Dean*

SUMMER SESSION—Scott H. Goodnight, *Director*

BUSINESS

BUSINESS OFFICES

JAMES D. PHILLIPS, *Business Manager*
MAURICE E. MCCAFFREY, *Secretary of the Regents*
FRANCIS X. RITGER, *Purchasing Agent*
GLENN L. GILBERT, *Bursar*
CLARENCE W. VAUGHN, *Accountant*
DONALD L. HALVERSON, *Director of Dormitories and Commons*
WILLIAM H. NEGLEY, *University Editor*
JOHN L. BERGSTRESSER, *Alumni Recorder*
RALPH O. NAFZIGER, *Editor University Press Bureau*

PHYSICAL PLANT

ALBERT F. GALLISTEL, *Superintendent of Buildings and Grounds*
GUSTUS L. LARSON, *Consulting Mechanical Engineer*
WILLIAM S. KINNE, *Consulting Structural Engineer*
JOHN R. PRICE, *Consulting Electrical Engineer*
JOHN J. NOVOTNY, *Chief Operating Engineer*

INSTRUCTIONAL AND ADMINISTRATIVE STAFF

Note: I indicates first semester; II, second semester.

UNIVERSITY FACULTY

FRANK, GLENN, *M.A., Litt.D., L.H.D., LL.D.*, President of the University
BIRGE, EDWARD ASAHEL, *Ph.D., Sc.D., LL.D.*, President Emeritus

---

ADKINS, HOMER BURTON, *Ph.D.*, Associate Professor of Chemistry
AGARD, WALTER RAYMOND, *B.Litt.*, Professor of Greek, Adviser in Experimental College
AKERS, SUSAN GREY, *B.A.*, Assistant Professor of Library Science
ALEXANDER, ALEXANDER SEPTIMUS, *F.H.A.S., M.D.C.*, Professor of Veterinary Science
ALLEN, CHARLES ELMER, *Ph.D.*, Professor of Botany
ALLEN, CHESTER, Director of Field Organization, Extension Division
ALLEN, KATHERINE, *Ph.D.*, Assistant Professor of Latin
ALLISON, LEONARD BLAINE, *B.S.*, Assistant Professor of Physical Education
ANDERSON, CHARLES JOSEPH, *Ph.M.*, Associate Professor of Education
AURNER, ROBERT RAY, *Ph.D.*, Assistant Professor of Business Administration
AUST, FRANZ AUGUST, *M.S., M.L.D.*, Associate Professor of Horticulture
AVEY, HARRY THOMPSON, *M.E.*, Assistant Professor of Mechanical Engineering, Extension Division, Milwaukee
BABCOCK, RODNEY WHITTEMORE, *Ph.D.*, Assistant Professor of Mathematics
BABCOCK, STEPHEN MOULTON, *Ph.D., LL.D., Sc.D.*, Professor of Agricultural Chemistry, Emeritus
BAKKEN, HENRY HARRISON, *M.A.*, Extension Specialist in Agricultural Economics
BALDWIN, IRA LAWRENCE, *Ph.D.*, Assistant Professor of Agricultural Bacteriology
BANE, JULIET LITA, *M.S.*, Assistant Professor of Home Economics (on leave II)
BARDEEN, CHARLES RUSSELL, *B.A., M.D.*, Dean of the Medical School, Professor of Anatomy
BARKER, GEORGE JOHN, *E.M.*, Assistant Professor of Mining and Metallurgy
BARNES, JOHN, *M.A.*, Assistant Professor of Speech
BARNES, JOSEPH FAUNTLEROY, Lieutenant Colonel of Field Artillery, U. S. A., Commandant, Professor of Military Science
BARR, ARVIL SYLVESTER, *M.A.*, Associate Professor of Education
BASCOM, LELIA, *M.A.*, Associate Professor of English, Extension Division
BASSETT, GLADYS BARTON, *B.A.*, Assistant Professor of Physical Education
BAST, THEODORE HIERONYMUS, *Ph.D.*, Associate Professor of Anatomy
BATCHELOR, CHAUNCEY CUSHING, *M.A.*, Assistant Professor of English, Extension Division, Milwaukee
BATEMAN, ERNEST, *Ph.B.*, Lecturer in Forest Products
BAUMGARTEN, EDWARD, *Ph.D.*, Assistant Professor of Philosophy
BEACH, BURR ABRAHAM, *D.V.M.*, Associate Professor of Veterinary Science

BEATTY, ARTHUR, *Ph.D.*, Professor of English
BEECHER, BENJAMIN SANFORD, *M.A.*, Lecturer in Economics
BENNETT, EDWARD, *E.E.*, Professor of Electrical Engineering
BERG, GEORGE OSCAR, *B.S.*, Assistant Professor of Physical Education
BERKOWITZ, HYMAN CHONON, *Ph.D.*, Assistant Professor of Spanish
BERRY, ARY CLAY, *B.S.*, Captain of Field Artillery, U. S. A., Assistant Professor of Military Science
BEWICK, THOMAS LYMAN, *M.S.*, *Ph.M.*, State Leader of Boys' and Girls' Agricultural Clubs, Director of Short Course in Agriculture
BLANKINSHIP, RAY CARRINGTON, *M.D.*, Associate Professor of Clinical Medicine, Associate Physician Wisconsin General Hospital
BLECKWENN, WILLIAM JEFFERSON, *B.S.*, *M.D.*, Assistant Professor of Neuro-Psychiatry, Assistant Director of the Psychiatric Institute
BLEYER, WILLARD GROSVENOR, *Ph.D.*, Director of the School of Journalism, Professor of Journalism (on leave II)
BOESEL, FRANK TILDEN, *Ph.B.*, *LL.B.*, Lecturer in Law
BOHSTEDT, GUSTAV, *Ph.D.*, Professor of Animal Husbandry
BORCHERS, GLADYS LOUISE, *Ph.D.*, Assistant Professor of Speech
BORDEN, FRED GUY, Captain Signal Corps, U. S. A., Assistant Professor of Military Science
BOWER, RICHARD LESLIE, *D.D.S.*, *M.D.*, Associate Professor of Otolaryngology
BRADLEY, HAROLD CORNELIUS, *Ph.D.*, Professor of Physiological Chemistry
BRADLEY, ROBERT FOSTER, JR., *M.A.*, Assistant Professor of Romance Languages
BRANN, JOHN WILLIAM, M.S., Assistant Professor of Horticulture and Plant Pathology
BRANT, HOWARD JONATHAN, *M.S.*, Extension Specialist in Animal Husbandry
BRIGGS, GEORGE MCSPADDEN, *B.S.*, Assistant State Leader of County Agricultural Representatives, Associate Professor of Agronomy
BRILLOUION, LEON, *Sc.D.*, Acting Professor of Theoretical Physics—II
BRINK, ROYAL ALEXANDER, *Sc.D.*, Associate Professor of Genetics
BROWN, GEORGE VAN INGEN, *D.D.S.*, *M.D.*, Professor of Oral and Plastic Surgery
BROWN, RAY ANDREWS, *B.A.*, *LL.B.*, *S.J.D.*, Assistant Professor of Law
BROWNE, FREDERICK LINCOLN, *Ph.D.*, Lecturer in Forest Products
BRUNS, FRIEDRICH, *Ph.D.*, Associate Professor of German
BRYAN, GEORGE SMITH, *Ph.D.*, Professor of Botany
BUCK, PHILO MELVIN, JR., *M.A.*, Professor of Comparative Literature
BUERKI, ROBIN CARL, *B.S.*, *M.D.*, Superintendent of Wisconsin General Hospital
BUNTING, CHARLES HENRY, *B.S.*, *M.D.*, Professor of Pathology
BURKE, LAURENCE CHARLES, *B.L.*, Assistant Librarian
BURLEIGH, CECIL, Professor of Music
BURNETT, DONALD C., *LL.B.*, First Lieutenant of Infantry, U. S. A., Assistant Professor of Military Science—II
BURNS, ROBERT EMMETT, *B.S.*, *M.D.*, Assistant Professor of Orthopedic Surgery
BUSH, CHILTON ROWLETTE, *B.A.*, Assistant Professor of Journalism
BYRNE, EUGENE HUGH, *Ph.D.*, Professor of History
CAIRNS, WILLIAM BATEMAN, *Ph.D.*, Associate Professor of American Literature
CALDERWOOD, HOWARD HEWTON, JR., *Ph.D.*, Assistant Professor of Chemistry
CAMERON, NORMAN, *Ph.D.*, Assistant Professor of Psychology (on leave 1927-28)

CAROTHERS, GLENN EARL, First Lieutenant of Infantry, U. S. A., Assistant Professor of Military Science

CARPENTER, MRS. LOUISE LOCKWOOD, *B.M.*, Assistant Professor of Music

CHAPMAN, CLINTON JOSEPH, *B.S.*, Assistant Professor of Soils

CHASE, WAYLAND JOHNSON, *M.A.*, Associate Professor of Education

CHERRY, THOMAS G., *M.S.*, Captain of Infantry, U. S. A., Assistant Professor of Military Science—I

CHEYDLEUR, FREDERICK DANIEL, *Ph.D.*, Associate Professor of French

CLAPP, FRANK LESLIE, *Ph.D.*, Professor of Education

CLARK, PAUL FRANKLIN, *Ph.D.*, Professor of Medical Bacteriology

CLARK, WARREN WILLIAMS, *B.S.*, Assistant State Leader of County Agricultural Representatives

CLARK, WILLIAM NOBLE, *B.S.*, Assistant to the Dean, College of Agriculture

CODDINGTON, HESTER, Assistant Librarian

COLBERT, ROY JEFFERSON, *Ph.D.*, Assistant Professor of Economics, Extension Division

COLE, LEON JACOB, *Ph.D.*, Professor of Genetics

COLLEY, REGINALD HUNTER, *Ph.D.*, Lecturer in Forest Products

COMMONS, JOHN ROGERS, *M.A., LL.D.*, Professor of Economics (on leave II)

COMSTOCK, GEORGE CARY, *Sc.D., LL.D.*, Professor of Astronomy, Emeritus

CONSOLIVER, EARL LESTER, *M.E.*, Associate Professor of Mechanical Engineering, Extension Division

COOL, CHARLES DEAN, *Ph.D.*, Associate Professor of Romance Languages

COON, LELAND AVERY, *B.A.*, Associate Professor of Music

CORP, CHARLES IVES, *M.S., M.E.*, Professor of Hydraulic Engineering (deceased April 28, 1928)

COWLES, MAY LOUISE, *M.S.*, Assistant Professor of Home Economics (on leave 1927-28)

CRANE, FRANK DOUGALL, *M.A.*, Assistant Professor of English, Extension Division

CROMWELL, HOBART WILLIAM, *ScD.*, Assistant Professor of Medical Bacteriology

CURRAN, CARLETON EDGAR, *Ph.D.*, Lecturer in Forest Products

DANIELS, FARRINGTON, *Ph.D.*, Associate Professor of Chemistry

DAVIS, CARL HENRY, *B.A., M.D.*, Consultant and Professor of Obstetrics and Gynecology

DAVIS, FREDERICK ALLISON, *M.D.*, Professor of Ophthalmology

DAVIS, IRA CLEVELAND, *B.A.*, Assistant Professor in the Teaching of Science

DAVIS, JOHN JEFFERSON, *B.S., M.D.*, Curator of the Herbarium

DAWSON, PERCY MILLARD, *B.A., M.D.*, Associate Professor of Physiology, Advisor in Experimental College

DELWICHE, EDMOND JOSEPH, *M.S.*, Professor of Agronomy, in charge of Ashland, Spooner, and Peninsular Branch Experiment Stations

DENNE, HELEN IRENE, *B.A., R.N.*, Director of the School of Nursing, Professor of Nursing

DENNISTON, MRS. HELEN DOBSON, *M.D.*, Assistant Professor of Physical Education

DENNISTON, ROLLIN HENRY, *Ph.D.*, Assistant Professor of Botany

DICKSON, JAMES GEERE, *Ph.D.*, Professor of Plant Pathology

DODGE, BERNICE FRANCES, *M.S.*, Associate Professor of Home Economics

DODGE, ROBERT ELKIN NEIL, *M.A.*, Professor of English
DONALD, JOHN SWEET, *B.S., D.D.S.*, Extension Specialist in Agricultural Economics
DORRANS, JAMES MORGAN, Superintendent of Machine Shops, Assistant Professor of Mechanical Practice
DOWLING, LINNAEUS WAYLAND, *Ph.D.*, Professor of Mathematics (on leave II; deceased September 16, 1928)
DUDLEY, WILLIAM HENRY, Chief of the Bureau of Visual Instruction, Extension Division (on leave II)
DUDLEY, WILLIAM HENRY, *B.A.*, Assistant Librarian
DUFFEE, FLOYD WALDO, *B.S.*, Associate Professor of Agricultural Engineering
DUGGAR, BENJAMIN MINGE, *Ph.D.*, Professor of Physiological and Applied Botany
DUNCAN, ROBERT BURNS, Chief of the Bureau of Lectures and Short Courses, Extension Division
EASTMAN, IRENE BELL, *B.M.*, Assistant Professor of Music
EDGERTON, ALANSON HARRISON, *Ph.D.*, Professor of Industrial Education, Chairman of the Courses in Industrial Education and Applied Arts
EDSALL, BESSIE EVA, *M.A.*, Assistant Professor of History, Extension Division
ELLINGWOOD, RICHARD EVERETT, *M.S.*, Assistant Dean, Extension Division
ELLIOTT, BENJAMIN GEORGE, *M.S., M.E.*, Professor of Mechanical Engineering, Extension Division
ELSOM, JAMES CLAUDE, *M.D.*, Professor of Physical Education, Associate Professor of Physiotheraphy
ELWELL, FAYETTE HERBERT, *B.A., C.P.A.*, Professor of Accounting
EMMONS, RICHARD CONRAD, *Ph.D.*, Assistant Professor of Geology
ENGLISH, HENRY ROWLAND, *M.A.*, Associate Professor of Business Administration, Extension Division
ERNST, ADOLPHINE BIANCA, *Ph.D.*, Associate Professor of German, Extension Division
EVANS, JOSEPH SPRAGG, *B.A., M.D.*, Professor of Medicine
EVERETT, WALTER GOODNOW, *Ph.D.*, Adviser in Experimental College—II
EWBANK, HENRY LEE, *M.A.*, Acting Assistant Professor of Speech
EYSTER, JOHN AUGUSTINE ENGLISH, *B.S., M.D.*, Professor of Physiology
FARGO, JOHN MERRILL, *M.S.*, Assistant Professor of Animal Husbandry
FARRINGTON, EDWARD HOLYOKE, *M.S.*, Professor of Dairy Husbandry, Emeritus
FELLOWS, DONALD ROSS, *M.A.*, Assistant Professor of Business Administration
FINCH, VERNOR CLIFFORD, *Ph.D.*, Professor of Geography
FISCHER, RICHARD, *Ph.D.*, Professor of Chemistry
FISH, CARL RUSSELL, *Ph.D.*, Professor of History (on leave I)
FISK, EMMA LUELLA, *Ph.D.*, Assistant Professor of Botany
FLETCHER, LILA BELLE, *R.N.*, Associate Professor of Nursing
FLUKE, CHARLES LEWIS, JR., *M.S.*, Assistant Professor of Economic Entomology
FOERSTER, HARRY ROBERT, *B.S., M.D.*, Assistant Professor of Dermatology
FOERSTER, OTTO HOTTINGER, *M.D.*, Professor of Dermatology
FOSTER, FINLEY MELVILLE KENDAL, *Ph.D.*, Associate Professor of English
FOWLKES, JOHN GUY, *Ph.D.*, Professor of Education
FOX, PHILIP GORDER, *M.A.*, Assistant Professor of Business Administration and Philosophy

FRED, EDWIN BROWN, *Ph.D.*, Professor of Agricultural Bacteriology
FREY, JOHN WEAVER, *Ph.D.*, Assistant Professor of Geography
FRIESE, JOHN FRANK, *B.S.*, Assistant Professor of Industrial Education
FROST, WILLIAM DODGE, *Ph.D., D.P.H.*, Professor of Agricultural Bacteriology
FULCHER, PAUL MILTON, *Ph.D.*, Assistant Professor of English
FULLER, JAMES GARFIELD, *B.S.*, Professor of Animal Husbandry
FULLER, WILLIAM JOHN, *B.A.*, Associate Professor of Civil and Structural Engineering, Extension Division, Milwaukee
GAENSLEN, FREDERICK JULIUS, *B.S., M.D.*, Professor of Orthopedic Surgery
GAGE, LESLIE RICHARDS, *B.A.*, Assistant Professor of Physical Education
GALE, JOSEPH WASSON, *M.A., M.D.*, Assistant Professor of Surgery
GANGSTAD, IDA MARIE, *B.A.*, Assistant Professor of Library Methods, Extension Division
GARDNER, EDWARD HALL, *M.A.*, Professor of Business Administration (on leave 1927-28)
GARVER, RAYMOND DANIEL, *B.S.*, Lecturer in Forest Products
GAUS, JOHN MERRIMAN, *Ph.D.*, Professor of Political Science, Adviser in Experimental College
GAY, LUCY MARIA, *B.L.*, Associate Professor of French
GEIB, WARREN JACOB, *M.S.*, Assistant Professor of Soils
GEIST, FREDERICK DENKMAR, *M.D.*, Assistant Professor of Anatomy
GERRY, ELOISE, *Ph.D.*, Lecturer in Forest Products
GIBSON, JOHN CURRIE, *B.A.*, Assistant Professor of Accounting
GIESE, WILLIAM FREDERICK, *M.A.*, Professor of Romance Languages
GILBERT, EDWARD MARTINIUS, *Ph.D.*, Professor of Botany and Plant Pathology
GILLEN, CHARLES FREDERICK, *Ph.D.*, Associate Professor of Romance Languages
GILLIN, JOHN LEWIS, *Ph.D.*, Professor of Sociology (on leave 1927-28)
GILMAN, STEPHEN WARREN, *LL.B., LL.D.*, Professor of Business Administration
GILMORE, EUGENE ALLEN, *B.A., LL.B.*, Professor of Law (on leave 1927-28)
GLAESER, MARTIN GUSTAVE, *Ph.D.*, Professor of Economics (on leave I)
GLICKSMAN, HARRY, *LL.B., Ph.D.*, Junior Dean of the College of Letters and Science, Associate Professor of English
GONCE, JOHN EUGENE, JR., *B.A., M.D.*, Assistant Professor of Pediatrics
GOODNIGHT, SCOTT HOLLAND, *Ph.D., LL.D.*, Dean of Men, Director of the Summer Session
GORDON, EDGAR BERNARD, Professor of Music
GORMAN, GLADYS GERTRUDE, *M.A.*, Assistant Professor of Physical Education
GRABER, LAURENCE FREDERICK, *M.S.*, Professor of Aronomy (on leave 1927-28)
GRANOVSKY, ALEXANDER ANASTACIEVITCH, *M.S.*, Assistant Professor of Economic Entomology
GRAUL, EDWARD JOHN, *M.S.*, Associate Professor of Soils
GREEN, MORTON KAY, *M.D.*, Clinical Associate in Neuro-Psychiatry
GREENE, PHILLIPS FOSTER, *B.A., M.D., F.A.C.S.*, Associate Professor of Surgery
GREENLEAF, MRS. JEANNE HARAUEL, *B.L.*, Assistant Professor of Romance Languages
GRENOBLE, HERBERT SPRECHER, *M.S., M.E.*, Assistant Professor of Mechanical Engineering, Extension Division
GRIEBSCH, MAX, Professor of German
GROVER, ARLENE EDNA, *B.L.*, Assistant Librarian

GROVES, HAROLD MARTIN, *Ph.D.*, Assistant Professor of Economics
GUYER, MICHAEL FREDERICK, *Ph.D., LL.D.*, Professor of Zoology
GUYLES, CALLA ARATHUSA, *Ph.B.*, Assistant Professor in the Teaching of Latin
HADLEY, FREDERICK BROWN, *D.V.M.*, Professor of Veterinary Science
HAGEN, OSCAR FRANK LEONARD, *Ph.D.*, Professor of the History and Criticism of Art
HALE, WEALTHY MARIA, *B.S.*, Assistant Professor and Extension Specialist in Home Economics
HALLAM, ARTHUR WOOD, *B.A.*, Assistant Professor of Business Administration, Extension Division
HALPIN, JAMES GARFIELD, *B.S.*, Professor of Poultry Husbandry
HAMILTON, JOHN MONROE, *B.S.*, First Lieutenant of Field Artillery, U. S. A., Assistant Professor of Military Science—I
HANLEY, MILES LAWRENCE, *Ph.D.*, Assistant Professor of English
HARPER, CARL SAMUEL, *B.S., M.D.*, Assistant Professor of Obstetrics and Gynecology
HARRIS, JOSEPH PRATT, *Ph.D.*, Associate Professor of Political Science
HART, EDWIN BRET, *B.S.*, Professor of Agricultural Chemistry
HART, JOSEPH KINMONT, *Ph.D.*, Professor of Education
HART, WALTER WILSON, *B.A.*, Associate Professor in the Teaching of Mathematics
HASTINGS, EDWIN GEORGE, *M.S.*, Professor of Agricultural Bacteriology
HATCH, KIRK LESTER, *B.S.*, Assistant Director of Agricultural Extension, Professor of Agricultural Education
HAWLEY, LEE FRED, *Ph.D.*, Lecturer in Forest Products
HAYES, JOHN BARRY, *B.S.*, Assistant Professor of Poultry Husbandry
HAZELTINE, MARY EMOGENE, *B.S.*, Principal of the Library School, Associate Professor of Bibliography
H'DOUBLER, MARGARET NEWELL, *M.A.*, Associate Professor of Physical Education
HEAN, CLARENCE SCOTT, *B.A.*, Librarian, College of Agriculture
HENDERSON, RUTH ADELE, *B.S.*, Assistant Professor of Home Economics
HENMON, VIVIAN ALLEN CHARLES, *Ph.D.*, Professor of Psychology, Scientic Director of the Bureau of Educational Records and Guidance
HENRY, WILLIAM ARNON, *Sc.D., D.Agr.*, Professor of Agriculture, Emeritus
HERRICK, CHESTER ALBERN, *Sc.D.*, Assistant Professor of Zoology
HIBBARD, BENJAMIN HORACE, *Ph.D.*, Professor of Agricultural Economics
HICKINSON, WILLIAM THOMAS, *A.R.C.A.*, Acting Assistant Professor of Applied Arts
HIGBY, CHESTER PENN, *Ph.D.*, Professor of History
HILLSTROM, ELLEN GUNIMA, *M.A.*, Associate Professor of Home Economics
HISAW, FREDERICK LEE, *Ph.D.*, Associate Professor of Zoology
HODGES, FRED JENNER, *B.S., M.D.*, Lecturer in Radiology
HOHLFELD, ALEXANDER RUDOLF, *Ph.D.*, Professor of German
HOLDEN, EUGENE DAVENPORT, *M.S.*, Assistant Professor of Agronomy
HOLT, FRANK OSCAR, *Ph.M.*, Registrar, Executive Director of the Bureau of Educational Records and Guidance
HOLT, HARRIETTE GRACE, *M.A.*, Assistant Professor of Mathematics, Extension Division

HOOL, GEORGE ALBERT, *B.S.*, Professor of Civil and Structural Engineering, Extension Division

HOPKINS, ANDREW WINKLE, *B.L.*, Professor of Agricultural Journalism, Agricultural Editor

HOUGEN, OLAF ANDREAS, *Ch.E., Ph.D.*, Associate Professor of Chemical Engineering

HOYT, MRS. EDITH EVANS, *M.A.*, Assistant Professor of Education, Extension Division

HUBBARD, FRANK GAYLORD, *Ph.D.*, Professor of English, Emeritus (deceased March 15, 1928)

HUFFER, CHARLES MORSE, *Ph.D.*, Assistant Professor of Astronomy, Assistant Astronomer

HULL, CLARK LEONARD, *Ph.D.*, Professor of Psychology

HULL, JOHN EDWIN, *B.A.*, Captain of Infantry, U. S. A., Assistant Professor of Military Science

HUMPHREY, GEORGE COLVIN, *B.S.*, Professor of Animal Husbandry

HUNT, GEORGE MCMONIES, *B.S.*, Lecturer in Forest Products

HYDE, GRANT MILNOR, *M.A.*, Professor of Journalism

HYLAND, PATRICK HENRY, *M.E.*, Associate Professor of Machine Design

ILTIS, LEON LEONARD, *B.M.*, Assistant Professor of Music

INGERSOLL, LEONARD ROSE, *Ph.D.*, Professor of Physics

INGRAHAM, MARK HOYT, *Ph.D.*, Professor of Mathematics

JACKSON, HOWARD CAMPBELL, *M.S.*, Professor of Dairy Husbandry

JAMES, JOHN AMBROSE, *B.S.*, Assistant Dean of the College of Agriculture, Professor of Agricultural Education

JAMISON, CHARLES LASELLE, *M.A.*, Associate Professor of Business Administration

JANSKY, CYRIL METHODIUS, *B.A., B.S.*, Professor of Electrical Engineering, Extension Division

JASTROW, JOSEPH, *Ph.D.*, Professor of Psychology, Emeritus

JEROME, HARRY, *Ph.D.*, Professor of Economics

JOHNSON, GERTRUDE ELIZABETH, *B.A.*, Associate Professor of Speech

JOHNSON, JAMES, *Ph.D.*, Professor of Horticulture

JOHNSON, LAURA BUTLER, *M.A.*, Assistant Professor of French (School of Education)

JONES, EDWARD RICHARD, *M.S.*, Professor of Agricultural Engineering

JONES, LEWIS RALPH, *Ph.D., Sc.D.*, Professor of Plant Pathology

JONES, MRS. NELLIE KEDZIE, *M.S., LL.D.*, State Leader of Home Demonstration Agents

JONES, THOMAS EDWARD, *B.A., B.P.E.*, Professor of Physical Education

JONES, THOMAS LLOYD, *B.S.*, High-School Visitor, Associate Professor of Education

JUDAY, CHANCEY, *M.A.*, Lecturer in Zoology

KAHLENBERG, LOUIS, *Ph.D.*, Professor of Chemistry

KASTNER, ALFRED L., *M.D.*, Associate Pediatrician, Wisconsin General Hospital

KAY, HARRY MAXWELL, *M.D.*, Clinical Associate in Medicine

KEITT, GEORGE WANNAMAKER, *Ph.D.*, Professor of Plant Pathology

KELLY, FREDERICK THOMAS, *Ph.D.*, Assistant Professor of Semitic Languages

KELSO, LESLIE ERSKINE ALLAN, *B.S.*, Assistant Professor of Electrical Engineering
KEMMERER, GEORGE IRVING, *Ph.D.*, Assistant Professor of Chemistry
KESSLER, LEWIS HANFORD, *C.E.*, Assistant Professor of Hydraulic Engineering
KIEKHOFER, WILLIAM HENRY, *Ph.D.*, Professor of Economics
KING, AGNES, *M.A.*, Assistant Professor of Library Science
KINNE, WILLIAM SPAULDING, *B.S.*, Professor of Structural Engineering; Consulting Engineer, Physical Plant
KIRCHOFFER, WILLIAM GRAY, *M.S.*, Lecturer in Sanitary Engineering—II
KLEINHEINZ, FRANK, Assistant Professor of Animal Husbandry (deceased October 17, 1928)
KNAPLUND, PAUL ALEXANDER, *Ph.D.*, Professor of History
KOEHLER, ARTHUR, *B.S.*, Lecturer in Forest Products
KOLB, JOHN HARRISON, *Ph.D.*, Professor of Agricultural Economics
KOMMERS, JESSE BENJAMIN, *B.S.*, *M.E.*, Professor of Mechanics
KOWALKE, OTTO LOUIS, *Ch.E.*, Professor of Chemical Engineering
KRAUSKOPF, FRANCIS CRAIG, *Ph.D.*, Associate Professor of Chemistry (on leave I)
KREMERS, EDWARD, *Ph.M.*, *Ph.D.*, *Sc.D.*, Director of the Course in Pharmacy, Professor of Pharmaceutical Chemistry, Director of the Pharmaceutical Experiment Station
LAFOLLETTE, PHILIP FOX, *B.A.*, *LL.B.*, Lecturer in Law
LAIRD, ARTHUR GORDON, *Ph.D.*, Professor of Greek
LANGER, RUDOLPH ERNEST, *Ph.D.*, Professor of Mathematics
LARSON, GUSTUS LUDWIG, *M.E.*, Professor of Steam and Gas Engineering; Consulting Engineer, Physical Plant
LATHROP, HENRY BURROWES, *B.A.*, Professor of English
LEAKE, CHAUNCEY DEPEW, *Ph.D.*, Associate Professor of Pharmacology (on leave I)
LEARNARD, RALPH KING, *B.A.*, Captain of Field Artillery, U. S. A., Assistant Professor of Military Science
LEHMAN, SARAH KATHERINE, M.A., Assistant Professor of English, Extension Division, Milwaukee
LEITH, BENJAMIN DONALD, *B.S.*, Associate Professor of Agronomy
LEITH, CHARLES KENNETH, *Ph.D.*, *LL.D.*, Professor of Geology
LEONARD, STERLING ANDRUS, *M.A.*, Associate Professor in the Teaching of English
LEONARD, WILLIAM ELLERY, *Ph.D.*, Professor of English
LESCOHIER, DON DIVANCE, *Ph.D.*, Professor of Economics
LESTER, CLARENCE BROWN, *M.A.*, Director of the Library School, Lecturer in Library Science
LEVIS, GEORGE WYNDEN, *B.A.*, Associate Professor of Physical Education, Manager of Athletics
LIEB, THOMAS JOHN, *M.A.*, Assistant Professor of Physical Education
LIGHTY, WILLIAM HENRY, *Ph.B.*, Director of Extension Teaching, Extension Division
LINK, KARL PAUL, *Ph.D.*, Assistant Professor of Agricultural Chemistry
LITTLE, GEORGE EDKIN, *B.S.*, Athletic Director, Professor of Physical Education
LIVERMORE, JOSEPH DOW, *B.S.*, Assistant Professor of Drawing and Descriptive Geometry

LOBECK, ARMIN KOHL, *Ph.D.*, Associate Professor of Geology

LOEVENHART, ARTHUR SOLOMON, *M.S., M.D.*, Professor of Pharmacology and Toxicology

LORENZ, WILLIAM FREDERICK, *M.D.*, Professor of Neuro-Psychiatry, Director of the Wisconsin Psychiatric Institute

LOWMAN, GUY SUMNER, *B.Di., B.P.E.*, Professor of Physical Education, Chairman of the Course in Physical Education and Athletic Coaching for Men

LUTHER, ERNEST LEONARD, *B.A., B.S.*, Superintendent of the Farmers' Institutes, Superintendent of Agricultural Extension Courses and Schools

LYON, ALBERT EDDY, *M.A.*, Assistant Professor of Romance Languages

MCCAFFERY, RICHARD STANISLAUS, *E.M.*, Professor of Mining and Metallurgy

MCELVAIN, SAMUEL MARION, *Ph.D.*, Assistant Professor of Chemistry

MCGILVARY, EVANDER BRADLEY, *Ph.D.*, Professor of Philosophy

MACGREGOR, FORD HERBERT, *M.A.*, Chief of Municipal Information Bureau, Associate Professor of Political Science, Extension Division

MCGUIRE, PETER STEPHEN, *Ph.D.*, Assistant Professor of History, Extension Division, Milwaukee

MCINTOSH, ROSCOE LYLE, *B.S., M.D.*, Assistant Professor of Dermatology

MCNALL, PRESTON ESSEX, *M.S.*, Professor of Agricultural Economics

MCNAUL, JAMES WILBUR, *B.S.*, Assistant Professor of Machine Design

MCNEEL, WAKELIN, *B.S.*, Assistant State Leader of Boys' and Girls' Agricultural Clubs

MACKAY, SCOTT, *M.S.*, Associate Professor of Metallurgy

MACKLIN, THEODORE, *Ph.D.*, Professor of Agricultural Economics

MANNING, HAZEL, *M.S.*, Associate Professor of Home Economics

MARCH, HERMAN WILLIAM, *Ph.D.*, Associate Professor of Mathematics

MARKWARDT, LORRAINE JOSEPH, *C.E.*, Lecturer in Forest Products

MARLATT, ABBY LILLIAN, *M.S., Sc.D.*, Director of the Course in Home Economics, Professor of Home Economics

MARSHALL, WILLIAM STANLEY, *Ph.D.*, Associate Professor of Zoology

MASLEY, ARPAD LOUIS, *G.G.*, Assistant Professor of Physical Education

MATHEWS, JOSEPH HOWARD, *Ph.D.*, Director of the Course in Chemistry and the Chemistry-Commerce Course, Professor of Chemistry

MATTERN, GRACE HORTENSE, *B.A.*, Hostess of Barnard Hall

MAURER, EDWARD ROSE, *B.C.E.*, Professor of Mechanics

MEAD, DANIEL WEBSTER, *C.E.*, Professor of Hydraulic and Sanitary Engineering

MEAD, WARREN JUDSON, *Ph.D.*, Professor of Geology

MEANWELL, WALTER ERNEST, *M.D., D.P.H.*, Professor of Physical Education

MEEK, WALTER JOSEPH, *Ph.D.*, Assistant Dean of the Medical School, Professor of Physiology

MEIKLEJOHN, ALEXANDER, *Ph.D., LL.D.*, Chairman of the Experimental College, Brittingham Professor of Philosophy

MELOCHE, GLADYS LOUISE, *M.S.*, Extension Specialist in Home Economics

MENDENHALL, CHARLES ELWOOD, *Ph.D.*, Professor of Physics

MENDENHALL, MRS. DOROTHY REED, *B.A., M.D.*, Lecturer in Home Economics

MERRIMAN, CURTIS, *Ph.D.*, Associate Professor of Education

MEYERS, ALVIN, *E.E.*, Assistant Professor of Electrical Engineering

MICHELL, ROBERT BELL, *Ph.D.*, Assistant Professor of Romance Languages

MIDDLETON, WILLIAM SHAINLINE, *M.D.*, Associate Professor of Medicine
MILLAR, ADAM VAUSE, *M.S.*, Assistant Dean of the College of Engineering, Professor of Drawing and Descriptive Geometry
MILLER, ERIC REXFORD, *M.S.*, Lecturer in Meteorology
MILLER, GEORGE ALLAN, Captain of Infantry, U. S. A., Assistant Professor of Military Science
MILLER, HARRY LLOYD, *B.A.*, Principal of the Wisconsin High School, Professor of Education (deceased October 13, 1928)
MILLER, WILLIAM SNOW, *M.D.*, *ScD.*, Professor of Anatomy, Emeritus
MILLS, CHARLES HENRY, *D.Mus.*, Director of the School of Music, Professor of Music
MILWARD, JAMES GARFIELD, *M.S.*, Professor of Horticulture
MOORE, JAMES GARFIELD, *M.S.*, Professor of Horticulture
MOORE, RANSOM ASA, Professor of Agronomy
MORGAN, BAYARD QUINCY, *Ph.D.*, Professor of German
MORPHY, EDSON WILFRED, Associate Professor of Music
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MORTON, WALTER ALBERT, *Ph.D.*, Assistant Professor of Economics
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MOWRY, WILLIAM ATWOOD, *M.D.*, Professor of Clinical Medicine, Physician in Chief, Department of Student Health
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NEWLIN, JOHN A., *B.S.*, Lecturer in Forest Products
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TRUOG, EMIL, *M.S.*, Professor of Soils
TURNEAURE, FREDERICK EUGENE, *C.E., D.Engr.*, Dean of the College of Engineering
TWENHOFEL, WILLIAM HENRY, *Ph.D.*, Professor of Geology
UHL, WILLIS LEMON, *Ph.D.*, Acting Director of the School of Education, Professor of Education
UTERITZ, IRWIN CHARLES, *B.A.*, Assistant Professor of Physical Education
VAIL, HARRY EMERSON, Associate Professor of Physical Education (deceased October 8, 1928)
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VARNUM, WILLIAM HARRISON, Associate Professor of Applied Arts
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WAGNER, GEORGE, *M.A.*, Associate Professor of Zoology
WAHLIN, HUGO BERNARD, *Ph.D.*, Assistant Professor of Physics
WAKEMAN, NELLIE ANTOINETTE, *Ph.D.*, Assistant Professor of Pharmacy
WALES, JULIA GRACE, *Ph.D.*, Assistant Professor of English
WALKER, JOHN CHARLES, *Ph.D.*, Associate Professor of Plant Pathology

WALLERSTEIN, RUTH COONS, *Ph.D.*, Assistant Professor of English
WALTON, JAMES HENRI, *Ph.D.*, Professor of Chemistry
WATERS, RALPH MILTON, *B.A.*, *M.D.*, Assistant Professor of Surgery
WATSON, JAMES WEBSTER, *B.S.*, Associate Professor of Electrical Engineering
WATTS, OLIVER PATTERSON, *Ph.D.*, *Sc.D.*, Associate Professor of Chemical Engineering
WEAVER, ANDREW THOMAS, *Ph.D.*, Professor of Speech
WEAVER, WARREN, *Ph.D.*, Professor of Mathematics (on leave I)
WEBER, LYNDA MARGUERITE, *B.A.*, Assistant Professor in the Teaching of Biology
WEILAND, PAUL HENRY, *B.A.*, Captain of Field Artillery U. S. A., Assistant Professor of Military Science—I
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WILLIAMS, WILLIAM HOLME, *B.A.*, Professor of Semitic Languages and Hellenistic Greek, Emeritus
WILLIAMSON, ROBERT CROZIER, *Ph.D.*, Assistant Professor of Physics
WILLING, MATTHEW H., *Ph.D.*, Associate Professor of Education
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Colburn, Allan Philip, M.S.	Fellow in Chemical Engineering
Corley, Martha Eva, B.A.	Scholar in European History
Correll, Marie, M.S.	Fellow in Economics
Cowart, Rowland, M.S.	Honorary Fellow in Soils—II
Cox, Glen Nelson, M.S.	Research Fellow in Hydraulic Engineering
Diderrich, Helen Marion, B.A.	Lawrence College Scholar in French
Drought, Rose Alice, M.A.	Research Fellow in Psychology and Landscape Design—II
Ellis, Lippert Spring, B.S.	Fellow in Economics
Faville, Laura Elizabeth, B.S.	Fellow in Home Economics
Felten, Florence Bertha, B.A.	Milwaukee Downer College Scholar in English
Fitzsimons, Caro, B.A.	Seminary Endowment Association Fellow in German

Foster, Mrs. Helen Krembs	Industrial Scholar, School of Education
Francke, Eloise Charlotte, B.A.	Scholar in German
French, Sidney James, M.S.	Fellow in Chemistry
Furminger, Bertha Frances, B.A.	Scholar in Mathematics
Gamble, William H., B.S.	Wisconsin Utilities Association Fellow in Electrical Engineering
Glasoe, G. Norris, M.A.	Fellow in Physics
Goff, Ira Nathan, M.S.	Research Fellow in Metallurgy
Graham, Alex Richard, B.S.	Industrial Scholar in Education
Graham, Donald Penrose, M.S.	Fellow in Chemistry
Grainger, John, B.S.	Honorary Fellow in Plant Pathology—II
Gumm, Meta Mildred, B.A.	Industrial Fellow in Agricultural Bacteriology
Han, Lih-Wu, B.A.	Honorary Fellow in Political Science
Hansell, James Myron, M.S.	Honorary Scholar in Geology
Hansen, Asael T., B.S.	Honorary Scholar in Sociology
Harnack, Arvid Rudolph, Dr. Laws	Honorary Fellow in Economics
Hart, Elizabeth Jane, M.A.	Fellow in Mathematics, School of Education
Haworth, Donald, M.A.	Fellow in Speech, School of Education
Helgeson, Earl Adrian, B.S.	Industrial Fellow in Botany
Herrin, Raymond Clyde, M.S.	Fellow in Agricultural Chemistry
Herrmann, Omer Wesley, B.S.	Honorary Scholar in Agricultural Economics
Hestenes, Magnus Rudolph, B.A.	Fellow in Mathematics
Hickman, Elizabeth Lilliston, M.A.	Scholar in American History—I
Hield, Willard Woodstock, M.S.	Industrial Scholar, School of Educaton
Hinz, Stella M., Ph.D.	Albert Markham Memorial Graduate Traveling Fellow in German
Holst, Eugene	Industrial Scholar in Agricultural Bacteriology—II
Insko, Wyatt Marion, Jr., M.S.	Fellow in Animal Husbandry
Ivanoff, Spas Sim, B.S.	Industrial Fellow in Plant Pathology—II
Jansky, Karl Guthe, B.A.	Scholar in Physics
Kelleman, Jacobus Hendrik, M.S.	Union of South Africa International Fellow in Agricultural Chemistry
Kiehel, Constance Amelia, M.A.	Fellow in Economics
Kon, Stanislaw Kazimierz, Ph.D.	Honorary Fellow in Agricultural Chemistry—II
Krueger, Wabun Clarence, B.S.	Industrial Fellow in Agricultural Engineering
Kuhlman, Arthur Henry, M.S.	Honorary Fellow in Genetics—II
Kumlien, Wendell Friehof, M.S.	Fellow in Agricultural Economics
Lanzer, Gertrude Frances, B.A.	Henry Gund Scholar in German
Lathrop, Andrew William, M.S.	Industrial Fellow in Animal Husbandry
Ledeboer, Julia Auguste, M.S.	Honorary Scholar in Geography
Leveque, Andre Camille, Licence en droit	Fellow in Romance Languages
Li, Ti-Tsun, M. A.	Honorary Scholar in Political Science

Lidicker, William Zander, B.S.	Fellow in Hydraulic Engineering
Lorig, Clarence Herman, M.S. ,	Research Fellow in Metallurgy
Lumpkin, Katharine DuPre, M.A.	Harriet Remington Laird Fellow in Sociology
Lund, Richard Jacob, B.A.	Scholar in Geology—II
McCoy, Elizabeth Florence, M.S.	Industrial Fellow in Agricultural Bacteriology—I
McGrath, Robert Timothy, Ph.M.	Honorary Scholar in Education
Magee, Charles Joseph, M.S.	Ben Fuller Travelling Scholar in Plant Pathology
Mahr, Alexander, Ph.D.	Honorary Fellow in Economics
Malz, Gertrude, M.A.	Fellow in Greek
Mattusch, Kurt Robert, M.A.	German Exchange Fellow in Political Science
Meyer, William Carter	Industrial Fellow in Horticulture
Miller, William Taylor, D.V.M.	Industrial Fellow in Veterinary Science
Millington, Paul Emanuel, B.A.	DePont Fellow in Chemistry
Motzeff, James, B.A.	Beloit College Scholar in Political Science
Muzumdar, Haridas Thakordas, M.A.	Fellow in Sociology
Neal, Norman Percy, M.A.	Honorary Scholar in Genetics
Nelson, Lowry, M.S.	Honorary Scholar in Agricultural Economics II
Nelson, Martin Johan, M.A.	Fellow in Education—II
Newsome, Verna Louise, B.A.	Mary M. Adams Fellow in English Language and Literature—II
Pilger, Martha, B.A.	German House Scholar—II
Pilger, Ruth, B.A.	Ripon College Scholar in French
Pruess, Louis Martin, B.S.	Scholar in Agricultural Bacteriology
Raisbeck, Agatha Ruth, M.S.	Fellow in Agricultural Journalism
Randall, Martha Herbert, M.A.	Honorary Scholar in History
Rey, Agapito, M.A.	Honorary Fellow in Romance Languages
Reynold, Robert Leonard, M.A.	Charles Kendall Adams Fellow in Modern History
Rody, Vera Thelma, B.A.	Honorary Scholar in History
Rosander, Arlyn Custer, B.S.	Honorary Scholar in Education
Rosenberg, Ralph Philip, B.S.	Lafrentz Fellow in German
Rudolph, Joseph, E.M.	Honorary Scholar in Geology
Savageau, Paul Leo, M.A.	Charles Kendall Adams Fellow in Greek
Sayre, George Merton, B.A.	Scholar in Romance Languages
Schirmer, Mariele, M.A.	Fellow in German
Schneider, John Simeon, M.A.	Fellow in European History
Schwenger, Robert Bee	Scholar in Economics
Shelvankar, Krishnarao Shivarao, M.A.	Honorary Scholar in Political Science
Shoemaker, Alice O., M.A.	Honorary Scholar in History
Shreiner, John Frederic, M.A.	Fellow in Political Science
Silcox, Walter Bruce, M.S.	Fellow in Agricultural Economics
Snell, Hampton K., B.A.	Anna Morris Ely Scholar in Economics
Snider, Howard John, M.S.	Honorary Fellow in Soils

Sondern, Clarence W.	Hollister Fellow in Pharmacy
Steadman, George Edward, B.A.	Honorary Scholar in Mathematics
Swantner, Eva, M.A.	Martha L. Edwards Memorial Scholar in History
Tankersley, Allen Pierce, M.A.	Fellow in Latin
Teare, Benjamin Richard, Jr., B.S.	Research Fellow in Electrical Engineering
Templeton, Hugh Langwill, Ph.D.	Industrial Fellow in Dairy Husbandry
Templin, Vera M., B.A.	Scholar in Chemistry
Thomas, Byron Henry, M.S.	Industrial Fellow in Animal Husbandry
Thomas, Robert Cole, M.S.	Fellow in Agricultural Bacteriology
Thompson, Isabel, B.A.	Lyman C. Draper Fellow in Western History
Tillman, Arthur George, M.A.	Fellow in Geology
Tobey, Silas B., Jr., B.S.	Wisconsin Utilities Association Fellow in Electrical Engineering
Trachte, Esther Flora	Industrial Scholar, School of Education
Van Donk, Evelyn Carol, B.S.	Industrial Fellow in Agricultural Chemistry
Van Ermen, Louis, B.S.	Industrial Fellow in Agricultural Bacteriology
Wallace, Chess Trefol, B.S.	Honorary Scholar in Agricultural Economics
Walton, Duncan Cameron, M.D.	Honorary Scholar in Pharmacology
Walts, Charles Cohen, M.S.	Fellow in Dairy Husbandry
Wheeler, Arthur Lloyd, M.A.	Mary M. Adams Fellow in English Language and Literature
White, Arthur Stevenson, M.A., J.D.	Honorary Fellow in Political Science
White, Hall Brewer, B.S.	Honorary Fellow in Agricultural Engineering
Wilson, Perry William	Industrial Fellow in Agricultural Bacteriology
Wimmer, Edward, Joseph, M.A.	Fellow in Zoology
Winch, Ralph Philip, B.A.	Milton College Scholar in Physics
Wirick, Alice Margaret, B.S.	Industrial Fellow in Agricultural Chemistry
Wright, Doris Ann, B.A.	Honorary Scholar in Geology
Zeiger, Simon Louis, B.S.	Hollister Fellow in Pharmacy
Zempel, Arnold Lloyd, Ph.B.	Scholar in Economics

STANDING COMMITTEES OF THE UNIVERSITY FACULTY

The President is, *ex officio,* a member of all standing committees, and the Secretary of the Faculty of each administrative committee.

ADMINISTRATIVE—The President, deans, and Secretary of the Faculty.

APPEALS—Professor Wickhem, chairman; the deans and advisers of students concerned, *ex officio:* Professors Bennett, Bryan, Otto, W. Taylor, and Twenhofel; Dean Goodnight in cases relating to men; Dean Nardin in cases relating to women.

BASCOM THEATER—Professor C. A. Smith, chairman; Professors Byrne and A. T. Weaver.

CARDINAL ADVISORY—Professor Hyde, chairman; Professors Fellows and Gibson.

CATALOG—Professor C. A. Smith, chairman; Assistant Deans James and Millar; Registrar Holt.

DISCIPLINE—Professor Fred, chairman; the deans, *ex officio,* regarding students in their respective colleges; Professors Fox, Ingersoll, Meek and Young; Dean Nardin, in cases relating to women; Dean Goodnight in cases relating to men.

EDITORS OF UNIVERSITY OF WISCONSIN STUDIES—Professor Lathrop, chairman; Professor Laird, editor for Language and Literature; Professor Marshall, editor for Science; Professor Knaplund, editor for Social Sciences and History; the University Editor, *ex officio,* secretary.

FRESHMEN—Chairman of freshman advisers in each college, *ex officio;* Junior Dean Glicksman, chairman; Assistant Deans James and Millar.

GRADUATE SCHOOL—Dean Slichter, chairman; Professors Commons, Guyer, Hohlfeld, Keitt, Paxson, and Showerman.

HIGH-SCHOOL RELATIONS—Thomas Lloyd Jones, chairman; Professors Chase, Cheydleur, Edgerton, Elwell, Gilbert, W. W. Hart, Henmon, James, Maurer, C. A. Smith, and Willing; Registrar Holt.

HONORARY DEGREES—Professor Paxson, chairman; the deans, *ex officio;* Professors H. C. Bradley, Commons, and Guyer.

LECTURES AND CONVOCATIONS—Professor Byrne, chairman; Dean Sellery, *ex officio;* Professors Bennett, Finch, Hohlfeld, and Otto.

LIBRARY—President Frank, Professor W. M. Smith, *ex officio;* (elected) Professors R. E. N. Dodge, Keitt, Leake, Mendenhall, Otto, and Rundell.

LOANS AND UNDERGRADUATE SCHOLARSHIPS—Professor Julius Olson, chairman; Professors Dickson, B. F. Dodge, Dowling, Goodnight, Millar, and Wales; Mrs. Flett.

NOMINATIONS—(Elected), Professors Knaplund, Kommers, and Marlatt.

PUBLIC FUNCTIONS—Professor Julius Olson, chairman; Professors Foster, Mortimer, Gordon, Larson, Terry, Withey; Dean Snell; Mr. Chandler, secretary.

REGENT-FACULTY CONFERENCE—The President of the University, *ex officio;*
Regents: Gale, Callahan, Hirschman, Waters.
Faculty: (Elected) Miss F. E. Allen; Professors Commons, Cool, Guyer, Hohlfeld, L. R. Jones, Kiekhofer, C. K. Leith, Rice, Richards, Sellery, J. Stebbins, and Wagner. The Chairman of the University Committee is *ex officio* a member of the Regent-Faculty Conference Committee.

RELATIONS WITH WISCONSIN TEACHERS' COLLEGES—Dean Sellery, chairman; Professors Anderson, Thomas Lloyd Jones, Slichter, C. A. Smith, and Uhl.

RESEARCH—Dean Slichter, chairman; Professors Bryan, Fred, Laird, Sevringhaus, and Stephenson.

ROOMS AND TIME TABLE—Professor C. A. Smith, chairman; Professors Calderwood, Denniston, Hyland, Kowalke, March, Meek, Mills, Terry, Twenhofel, Wickhem, and W. H. Wright.

STUDENT LIFE AND INTERESTS—Dean Goodnight, chairman; Dean Nardin, assistant chairman.
Athletics: Professor Pyre, chairman; Professor Little, secretary; Professor Phillips, business manager; Professors J. G. Moore and Kowalke; Miss Trilling in cases relating to women; E. C. Austin, alumni member; B. E. McCormick, alumni alternate; E. J. Crofoot, student member.
Living Conditions and Hygiene: Professor Hastings, chairman; Professors Clark, Lowman, and Morris; Mrs. Flett.
Musical Organizations: Professor Mills, chairman; Professors Iltis and Gordon.
Oratory and Dramatics: Professor A. T. Weaver, chairman; Professors Byrne and Troutman.
Publications: Professor Bleyer, chairman; Professors Aurner and Foster (censor).
Society, Fraternities, and Politics: Professor C. E. Allen, chairman; Professors Keitt and Fellows; Miss Gunter.

TRAINING OF TEACHERS—Professor Uhl, chairman; Dean Sellery, *ex officio;* Professors Anderson, Foster, Henmon, Hohlfeld, Gilbert, James, Marlatt, H. L. Miller, O'Shea, F. C. Sharp, W. Taylor, and Zdanowicz.

UNIVERSITY—(Elected) Professor Paxson, Chairman; Professor H. C. Bradley, Corp, Mathews, Rice, and H. A. Smith.

WAR CREDITS—Dean Sellery.

PART II—GENERAL INFORMATION

HISTORY AND GOVERNMENT

HISTORICAL SKETCH—In the settlement of the pioneer regions of the United States, it very early became the established practice to set apart a share of the unoccupied land for the support of an institution of higher learning. Immigrants were thus assured that the opportunities of an advanced education would not be denied the children of the new community because the founders of it had ventured into the wilderness. This system, conceived in a spirit of statesmanship at once high and prudent, tended to draw an intelligent body of citizens into the region which was being settled, and to set at work forces which would be felt in the permanent elevation of the tone of public education. Thus in 1836, the first year of the territory of Wisconsin, steps toward the establishment of a university were taken by the territorial legislature. In 1839, the National Congress granted to the territory two townships of public land "for the use and support of a university"; and in 1848, when Wisconsin was applying for admission to statehood, provisions for the university were written into the constitution laid before Congress.

The state was admitted May 29, 1848; the necessary legislative acts providing for the organization of the University were approved July 26 of the same year; and the first Board of Regents met at Madison in October. The new state had nothing with which to endow the new institution but the unsettled land already granted to it. The Regents, therefore, had before them the choice of two courses—to sell the lands at low prices in competition with the other wild lands of the state, or to refrain from selling until the increase of population should have raised the value of the university property to a substantial amount. The one course would sacrifice the material endowment; the other would prevent the state from benefitting by the influence of the University in its formative years. The Regents wisely, as the history of the state has proved, determined to open the institution without delay. The financial operations which followed have been severely condemned, but there can be no question that the intelligent bounty of the state legislature has afforded the University a safer and far more generous support than the largest possible endowment that could have been secured by the conservative management of the land of the institution. Moreover, the direct dependence of the University upon the legislature has made it a part of the life of the state in an intimate way, and by making higher education a practical matter for all citizens, has performed a useful service as an element in raising political questions above a merely material plane.

The new institution began instruction in February 1849. It bore the name of a university, but had in operation only a preparatory school of twenty pupils, under the tuition of John W. Sterling, a graduate of Princeton, who bore the title of professor of mathematics. Professor Sterling gave a life of sacrificial devotion to the institution as it added to its academy a little college, and as the little college carried on its struggling and painful life. He was happy enough to

live until the University began to assume proportions worthy of its ambitious name. The chancellor, John H. Lathrop, a graduate of Yale, called from the presidency of the University of Missouri, entered upon his duties in the autumn of 1849. He was a man whose plans were genuinely large and at the same time definite but were in the main never realized because of the paucity of funds. He insisted upon maintaining a solid classical course as the nucleus about which all possible future developments were to be gathered but which was never to be sacrificed to any other objects, however plausible they might seem and however much he desired to meet them. Under his administration (1849-1858) the faculty grew to seven members, and some systematic instruction was given in modern languages, English literature, the art of teaching, and agriculture, as well as ancient languages, mathematics, and philosophy. The college was bitterly criticized. There was a feeling abroad, vague but insistent, that the University did not do for the community what it should. A "practical" education was wanted, without any clear idea of what a practical education might be, or how expensive the equipment for it must be. Chancellor Lathrop resigned, and after a few months, during which the well-known educational theorist, Henry Barnard, then in ill health, held the title of chancellor, the administration lapsed into the hands of the faculty, Professor Sterling presiding as vice-chancellor. The dark days of the Civil War followed. The professors lived on half pay. Many of the students took their places in the army, so that in 1864 no commencement exercises were held, only one of the senior class being in residence.

The maintenance of the institution during these days of struggle had its important effect—that a center and tradition were created. The material beginning of the University may fairly be said to be the grant under the Morrill Act (1862) for the support of a college of agriculture and mechanic arts "without excluding other scientific and classical studies." This noble statute bears evidence of the influence of the Civil War in that it made instruction in military tactics a condition of the continuance of the grant. The very smallness of the literary college perhaps made it the more natural to amalgamate the new institution with the old, and thus give to the University of Wisconsin its peculiar character. In the state all types of highest instruction, whether liberal, professional, or technical are given by the one institution. The University of Wisconsin has accordingly a very great diversity of functions and a very complex organization. In this way unseemly rivalries among institutions of higher learning conducted by the state have been avoided and the conception of instruction within the University has been in some departments liberalized and in others elevated.

The reorganization of the institution after the acceptance of the Morrill grant was carried out under the vigorous presidency of Dr. Paul A. Chadbourne of Williams College (1867-1870). A department of agriculture and a college of law were established in 1868; steps were taken toward the acceptance of women students on an equality with men; and the legislature began, first of all to appropriate moneys to compensate for the impairment of the university fund, later resumed the responsibility of providing necessary buildings, and finally took the step of voting direct taxes for the support of the University. At the same time a system bringing the University into close relations with high schools in the state was organized. The presidency of Dr. John H. Twombly (1871-1874) followed that of Dr. Chadbourne.

The foundation of the University had now been laid, and the policy of including within it a group of technical and professional colleges, as well as a strong college of liberal arts, had been determined upon. During the presidency of Dr. John Bascom (1874-1887), the University was developed into a firmly organized and well equipped teaching institution, was brought into close and orderly relations with other public schools of the state, and was made a moral force in the lives of its students and of the community. Dr. Bascom found the recognition of coeducation halfhearted and ambiguous and made it distinct and complete. He found the income deficient, the buildings, the library, and the scientific apparatus inadequate, and the faculty too small for the proper division of the departments and the maintenance of high standards. In every point the institution was put on a sound basis. Buildings were erected and satisfactorily equipped, especially for the science departments. The library was enlarged and the faculty became a body of specialists, rather than a group of general teachers. Dr. Bascom more than any other man was responsible for the increase in income which made this progress possible, by the creation of a ratio tax, established in 1876 in the proportion of one-tenth mill to each dollar of the property valuation of the state. The system has been maintained with a few interruptions and with liberal increases ever since. Finally the free high schools, the establishment of which was promoted by the act of 1875, granting state aid to such institutions, were bound to the University by a system of accrediting their graduates on the one hand, and on the other by the recognition of the university degree as a qualification for a certificate to teach in the public schools of the state.

In the administration of Dr. Bascom's successor, Dr. Thomas Chrowder Chamberlin (1887-1892), a graduate of Beloit College, the strong college of Dr. Bascom began to grow into a true university. In all ways graduate work assumed a place as an active part of the institution. Scholars with the ideas of research brought from Johns-Hopkins or from Germany were added to the faculty. The first university fellowships were established. The degree of doctor of philosophy was offered. A reorganization into the College of Letters and Science, Engineering, Agriculture, and Law, effected in 1889, testifies to the growing vigor and more distinctly understood aims of the professional and technical institutions. Intercollegiate debates and athletics and "student activities" began to be heard of, and in brief the tendencies which have resulted in the conditions of the present day showed themselves definitely.

During the presidency of Dr. Charles Kendall Adams (1892-1901) these tendencies became dominant. A large armory and gymnasium was built. An athletic field was acquired—Camp Randall, the historic encampment where the Wisconsin troops were concentrated during the Civil War. The University became socially more complex. A dean of women was appointed. A school of music and a choral society were established. In every way the institution developed. The colleges of law and of engineering grew rapidly, and had to be provided with new buildings. The fields of political, economic, and social science, and of history were greatly strengthened. The University had become very definitely the recognized culmination of the public instruction of the state, and was resorted to in increasing numbers by graduates of the state normal schools. The institution was cramped for want of room, and though the increases in building and equipment were rapid, they barely kept pace with the enormous growth in the number of students. The crowning achievement of Dr. Adams' administration was the erec-

tion on university ground of a building to house, with the university library, the library of the State Historical Society—a reference library of great value, and in some aspects unique. The improvement of the facilities placed at the service of the University by the opening of the library, which took place in 1900, marks an epoch in the history of the institution.

Dr. Adams' health failed in 1900; and from that time to 1903, with but a few weeks of interruption, Dr. Edward Asahel Birge, for many years a member of the faculty and then Dean of the College of Letters and Science, was acting president. Throughout the entire period the increase in numbers and the corresponding development of the work of the institution went on uninterruptedly.

Charles Richard Van Hise, professor of geology, was the first alumnus of the University to be called to the presidency, which he assumed in 1903 and occupied until his death on November 19, 1918. The material progress of the institution continued under his administration. The College of Agriculture became an important college, as well as an institution of research. A course in home economics was created; the first two years of a medical course were given. Courses in journalism, in chemistry, and for the training of teachers were established, while the older similar School of Commerce, now called a course, continued to thrive. Lagging somewhat behind these advances have come the material provisions for them, so that the University remains crowded. The mere enumeration of the newly organized courses illustrates the fact that during the administration of President Van Hise, the tendency of the University to accentuate professional equipment rather than a liberal cultural suffered no abatement. At the same time, the work of the department of the humane arts and the pure sciences constituted the largest single part of the activity of the University and the opportunity and the ideal of liberal culture were maintained with energy.

The war made a deep impress upon the life of the University. In such a national crisis an institution of higher learning manifests its ideals mainly through the response of those who have received its training and imbibed its spirit. The University fostered the ability and encouraged the desire of its faculty, alumni, and students to be of directly active use to their country, an ability and a desire which have been abundantly manifested. For the alumni it could do little directly, but it has carefully preserved the record of their service as a memorial to the future. To the members of the faculty called to war work, it granted leave of absence on generous terms. The total faculty, alumni, and students in active military service was upwards of 10,000 men.

The signing of the armistice did not terminate the University's connection with the war, for many students and not a few of the professors remained in service in the war zone, or in the army's educational schools, or aided the American Commission in the manifold duties of settling the terms of the Peace of Versailles. In all the labors of war and of the coming peace, President Van Hise was untiringly active, and his death, a few days after the armistice, was in truth another sacrifice which the Great War imposed upon the University.

In January, 1919, Edward Asahel Birge, who had been Dean of the College of Letters and Science since 1891, was elected President of the University. The issues which confronted his administration were especially heavy and complicated. They involved numerous scholastic questions and also many difficult financial problems, raised by the phenomenal increase in attendance after the war and by the concurrent increase in the cost of living and building, which came

at a time when business of nearly all kinds was beginning to suffer the inevitable check which followed the peace. Partial solutions were found for these problems until a special session of the legislature, in May, 1920, granted the necessary funds for operation and enabled the University to place salaries on a satisfactory basis. Toward the close of President Birge's term and under his inspiration, regents, faculty, legislature, and state had united to ensure the future of the University. Other results of his administration, which helped to initiate the post-war development of the University, were: the securing of a modest but promising annual research fund; the enlargement of the medical course to the full four years; the erection of the Wisconsin General Hospital, which is administered by the Medical School; and the resumption of building operations in the University, made possible by the legislature of 1925.

Glenn Frank, editor of *The Century Magazine,* succeeded Dr. Birge upon the retirement of the latter in 1925.

PLACE IN THE EDUCATIONAL SYSTEM—The University of Wisconsin is the culmination of the free educational system of the state. In the educational policy of the state, the University is related to the high schools as are the high schools to the primary and grammar schools. It is not expected that all pupils who complete the grammar grades will advance to the high school; nor is it expected that all who complete a high-school course will go forward to the University. But the school system of the state has been so arranged as to make advancement from one step to another as easy and natural as possible. The University encourages in its teachers and advanced students research, including learning, investigation, and the application of scientific knowledge to the arts of life. Its largest work is to disseminate knowledge through the systematic discipline of organized courses to resident students, both in liberal and professional study. In addition, the University, through an extension division organized upon the broadest basis, assists those who for any reason cannot become resident students to enjoy the benefits of its facilities and equipment, with the fewest possible restrictions.

SUPPORT—The University is supported partly by the income of federal grants, partly by taxation of the people of the state, partly by student fees, and to a slight extent by private gifts. There have been several federal grants, namely; The Two-Township Grant of 1848; the Supplementary Two-Township Grant of 1854; The Morrill Grant of 1862 for the support of studies pertaining to agricultural and mechanic arts; the Hatch Grant of 1887 for the support of agricultural experiment stations; the Supplementary Morrill Grant of 1890; the Adams Grant of 1906; the Nelson Grant of 1907; and the Smith-Lever Grant of 1914, for the promotion of extension work in agriculture and home economics.

In addition to numerous and large appropriations for buildings and other scientific purposes, the State of Wisconsin has made a number of continuing grants. The first was the one-tenth mill tax of 1876. The principal of this tax was once temporarily abandoned, but has been recurred to by the legislature, the present ratio being three-eighths of a mill on the dollar.

The more important gifts that have come to the University are from Dane County for the purchase of lands for the University farm; from the late Governor C. C. Washburn for the founding of Washburn Observatory; from the late Judge Mortimer M. Jackson for the establishment of the Mortimer M. Jackson Professorship of Law; from the late Dr. C. K. Adams and Mrs. Adams for

the foundation of fellowships; from the late Mrs. Fannie P. Lewis for the foundation of scholarships for women; for the late Anna Marston for the establishment of the Anna Marston Fellowship; from the late Calvin K. Jayne, the residue of whose estate is to be used as a loan fund for agricultural students, or for fellowships in the event that the money is not required for loans; and from Horace S. Oakley, Mrs. Mary Oakley Hawley, and George Walter Oakley, a fund in honor of their mother to be known as the Jane Oakley Fund, the income to be used to pay the annual contributions of the University of Wisconsin to the American School of Classical Studies at Athens, Greece.

On August 27, 1908, the entire estate of Colonel William F. Vilas was bequeathed to the University, the income, however, part or whole if need be, to go to his wife and daughter during their lives. Half of the income of the estate is to be used for the support of research professorships, fellowships, and scholarships, and the remainder to increase the principal. The residue of the estate of the late Torger Thompson is bequeathed to the University to establish a chair in the Scandinavian languages and to assist Scandinavian students attending the University. In 1911 the friends of the University created the Carl Schurz Memorial Foundation with a fund of $30,000 given in trust to the Regents of the University. The unused income from this fund has been transferred to the principal from time to time so that the fund now amounts to $46,000.

The late J. Stephens Tripp, of Prairie du Sac, made the University residuary legatee of his estate of approximately $500,000. The bequest is chargeable with certain annuities and, like that of Colonel Vilas, will not become available for a number of years. Its freedom from limitations and restrictions of any kind marks it as a remarkable expression of confidence in the permanent administration of a great public educational trust. The will of the late Mary J. Eichelberger, of Horicon, provided $20,000 for the University; like that of Mr. Tripp, this bequest is free from limitations and restrictions.

The will of the late John M. Olin of Madison provided for the gift to the Regents, in memory of his wife Helen Remington Olin, of his beautiful home at 130 North Prospect Avenue, and eight lots, to be used as the residence of the president of the University. The premises are now occupied by President Frank and his family.

The will of the late Thomas Evans Brittingham of Madison provided for a "University of Wisconsin Trust Fund," the amount of which has not been reported to the Regents. The trustees are to distribute annually, or from time to time, so much of the net income as they may deem proper to individuals, colleges, or departments of the university. The funds released have been sufficient to maintain the Brittingham Professorship of Philosophy during the past two and a half years.

GOVERNMENT—The government of the University is vested in the Regents, who possess all the powers necessary to accomplish the objects of its establishment and to perform the various duties prescribed by law. The Regents, appointed by the Governor of the state, include one member from each of the eleven congressional districts, and six from the state-at-large, of whom two are farmers and two are from the manual trades. At least two of the members are women, and the President of the University and the Superintendent of Public Instruction are *ex officio* members. The Regents appoint all administrative officers and

faculty members, and all faculty rules regarding the government of students are subject to their approval.

The University Faculty exercises authority, subject to the approval of the Regents, in all matters relating to educational policy, scholastic standards, and, in general, the relation of students to the University. All members of the staff of instruction with the rank of assistant professor or above constitute the governing faculty; other members of the staff of instruction have a voice but no vote at all meetings of the university faculty, with the exception of executive sessions. The faculty of each college, school, or division is similarly organized for the purpose of administering matters relating solely to its own unit of organization.

THE CAMPUS

By the provisions of the Constitution of the State of Wisconsin, the University must be located at or near the state capitol, afterwards fixed at the "village of Madison." The founders of Madison intelligently adapted the original plan of the city of Washington to local conditions, selecting an eminence in the center of the city for the site of the capitol, and laying out radial thoroughfares approaching it so that it closes the vista from every direction. A mile to the west, at the end of one of these radial streets, on a second elevation rising abruptly to a height of more than a hundred feet above the shore of Lake Mendota, the principal building of the University was erected, thus closing the view from the capitol in that direction.

The earliest buildings to be erected on the campus were North and South Halls (1851, 1855), which contained for some years not only all the classrooms and offices of the University, but also the living quarters of both faculty and students. These twin buildings, remodeled in recent years, now house the departments of mathematics, journalism, and political science, and several administrative offices. Rapid increase in enrollment soon resulted in the erection of University Hall (1857), since renamed Bascom Hall, which at once became and has always remained the center of the University. This building, originally constructed in the simple and dignified modification of classical renaissance architecture accepted in America since colonial times, has been twice added to (1900, 1906), and has recently (1927) undergone further enlargement in conformity with far-sighted plans for symmetrical expansion. In Bascom Hall are located the principal educational administrative offices of the University and the classrooms and offices of several of the more important departments of instruction in liberal arts subjects.

From Bascom Hall a broad open plaza bordered by elms—the upper campus —sweeps downward in the direction of the capitol. Along one side are North Hall, the Engineering Building (1901, 1910), and Science Hall (1888), back of which, near the lake shore, may be found a number of the special buildings of the College of Engineering; on the opposite side are situated the Biology Building (1910), South Hall, the Law Building (1893), and Music Hall (1879), flanked by the group of women's buildings, including the two dormitories, Chadbourne Hall (1871) and Barnard Hall (1912), and the gymnasium, Lathrop Hall (1909), which is also used as a center of social activities for women. Back of Bascom Hall, at the base of the hill, are the Chemistry Building (1905, 1912, 1928) and Sterling Hall (1916), in which are housed the departments of physics and economics.

The lower campus, a flat area encroaching upon the old residential district of the city, is still in an early stage of development. Here, at the lake's edge, stands the combined men's gymnasium and armory (1894) adjacent to which are the boat houses and an open field used for a parade ground and for certain types of athletic exercises. Close by is situated the most stately of all the buildings on the campus, the Library (1900, 1912), an edifice of Bedford limestone with a colonnade and terrace of great beauty and dignity. In a grove of oaks and elms

toward the lake from the Library stands the newly completed (1928) Memorial Union Building, "erected and dedicated to the memory of the men and women of the University of Wisconsin who served in our country's wars." Among the features of this building are a large refectory, several dining rooms, recreation rooms, quarters for student publications and other undergraduate activities, and lodgings for transient alumni. The Y. M. C. A. dormitory, the University Club Building, and the Administrative Building, headquarters of the business organization of the University, are also located in the lower campus district.

Westward from the main group of buildings are situated the University Extension and Home Economics Building (1912), Washburn Observatory (1878), the medical group, the Wisconsin High School (1913), and, extending for some distance beyond these, the numerous buildings and experimental plots of the College of Agriculture, including barns, greenhouses, and a large judging pavilion (1908) containing an oval amphitheater with a seating capacity of two thousand people and an arena capable of accommodating an additional two thousand. The medical group consists at present of the Wisconsin General Hospital (1924), the Service Memorial Institutes Building (1928), the Bradley Memorial Hospital (1918), the Infirmary (1918), and the Nurses' Dormitory (1925). On the lake shore back of the principal agricultural buildings is a new group of men's buildings, Adams Hall, Tripp Hall, and the Refectory (1926), in the vicinity of which are located the intra-mural athletic fields for men.

In the district to the south of the medical and agricultural buildings are located the central heating plant (1908) and the Service Building (1911, 1924), and, separated from them by a group of private store buildings, the Forest Products Laboratory (1909) and the first of a new group of engineering shops (1920). These border a forty-two acre area known as Camp Randall, which includes a large concrete stadium with running track, a field house and archery and hockey grounds for women, baseball diamonds, tennis courts, and the like.

Spread for nearly a mile along the crest and on the slopes of an irregular ridge bordering the southern shore of the largest of Madison's four lakes, the grounds of the University are of marked natural beauty and afford many rare views out over the broad expanses of water, farm lands, and city dwellings. Of special attraction are the many choice groups of everygreens, the rows of towering elms, and the willow drive fringing the lake-shore. The lake itself provides unexcelled facilities for swimming, boating of all sorts, and, during the late winter, skating, while the hills make possible two other forms of winter sports not everywhere common, skiing and tobogganing.

The grounds have a special archaelogical interest because of the presence of several Indian effigy mounds which are found in abundance in and near Madison. These are small mounds of earth in the form of animal and other totems, made by the Winnebago and allied native tribes in prehistoric period, unique in being found only in southern Wisconsin and along the boundaries of the states to the west and south.

LIBRARIES AND MUSEUMS

The libraries at Madison, all of which are at the service of members of the University, are six in number, viz., the Library of the University of Wisconsin, the Library of the Historical Society of Wisconsin, the Library of the Wisconsin Academy of Sciences, Arts, and Letters, the State Law Library, the Legislative Reference Library, and the Madison Free Library. These libraries duplicate books only to supply exceptional demands, and have an effective strength approximately equal to the whole number of volumes possessed by them. The total number of bound volumes in all the libraries is about 796,000 and the number of pamphlets exceeds 389,000.

The first three libraries above named are housed on the University campus in the library building of the State Historical Society. In the south half of the first floor are located three department libraries of the Historical Society, viz., documents, newspaper files, and maps and manuscripts. In the north end of this floor is a series of six seminary rooms, allotted to American history, European history, economics, political science, mathematics, and Semitic languages. The greater part of the second or main floor is occupied by the general reading room and the periodical room, which are used in common by the two libraries. In open cases in the reading rooms are shelved several thousand general reading, reference, and reserved books. To these, as well as to the large collection of general periodicals in the periodical room, all readers have direct access. The main portions of both libraries are stored in the stack wings adjoining the delivery room on the west. Officers of the University have direct access to the shelves in all parts of the library, and students engaged in advanced work, upon recommendation of their instructors, are allowed access to those parts of the collection dealing with their special subjects.

The administrative rooms of the Historical Society and of the University Library are situated at the south and north ends of the second floor respectively. The north end of the third floor is occupied by six seminary rooms for the subjects of philosophy and education, classics, and modern languages and English. The museum and gallery of the Historical Society occupy the fourth floor. During the academic year, the library is open fourteen and one-quarter hours daily, except on Sundays and legal holidays.

The Library of the University of Wisconsin, including its branches, contains about 377,500 volumes and 64,000 pamphlets. The catalog is the usual dictionary card catalog of authors, subjects, and titles in one alphabetical arrangement. Subject to certain restrictions, books may be drawn by all members of the University. Every student of the University, matriculated for the regular year, is required to make a library deposit of $2.00. This deposit, less charges for fines and damages, is returnable to the student by the Bursar upon graduation or earlier withdrawal from the University.

A large reserved book reading room in the basement of Bascom Hall is open at the same hours as the Library during the academic year. The agricultural, engineering, law, and astronomical libraries are located respectively in Agricul-

tural Hall, the engineering Building, the Law Building, and Washburn Observatory.

The Library of the State Historical Society contains 255,000 volumes and 275,000 pamphlets. While strong in all fields of American history and allied subjects, it is especially rich in manuscript and other material for the study of the history of the Mississippi valley. Its collections in English history are among the most extensive in this country.

The Library of the Wisconsin Academy of Sciences, Arts, and Letters, comprising about 5,000 volumes, is a valuable collection of reports and transactions of learned societies. It is located in the library building and constitutes a useful supplement to the other libraries in this special field.

The Legislative Reference Library in the Capitol numbers 50,000 volumes, pamphlets, and collections of clippings. This library collects information on all subjects of legislation, but the material is largely in the field of political science and economics. The State Law Library, also in the Capitol, numbers about 80,000 volumes. Students are allowed to draw books from the Madison Free Library, a well-selected collection of 79,000 volumes.

COURSES AND DEGREES

FIRST DEGREES

The University offers the following courses of study and upon successful completion thereof awards the degrees indicated:

BACHELOR OF ARTS
- General Course—B.A.
- Course in Commerce—B.A.(C.C.)
- Course in Humanities—B.A.(C.H.)
- Course in Journalism—B.A.(C.J.)

BACHELOR OF PHILOSOPHY
- General Course—Ph.B. (Gen. C.)
- Course for Normal School Graduates—Ph.B.(Nor. C.)

BACHELOR OF LAWS
- Law School—LL.B.

BACHELOR OF MUSIC
- School of Music—B.M.

BACHELOR OF SCIENCE
- Agriculture (Long Course)—B.S.A.
- Course in Applied Arts—B.S.(A.A.)
- Chemistry Course—B.S.(Ch.C.)
- Chemistry Commerce Course—B.S. (Ch.C.C.)
- Chemical Engineering Course—B.S.(Ch.E.)
- Civil Engineering Course—B.S.(C.E.)
- Electrical Engineering Course—B.S.(E.E.)
- Home Economics Course—B.S.(H.E.)
- Hygiene Five-Year Nursing Course—B.S.(Hyg.)
- Industrial Education Course—B.S.(Ind.Ed.)
- Mechanical Engineering Course—B.S.(M.E.)
- Medical Science Course—B.S.(Med.)
- Mining Engineering Course—B.S.(Min.E.)
- Pharmacy (Four-Year) Course—B.S.(Pharm.)
- Physical Education Course—B.S.(Phys.Ed.)

GRADUATE IN PHARMACY
- Pharmacy (Three-Year) Course—Ph.G.

The title Graduate in Agriculture is conferred upon students who complete the Middle Course in Agriculture, and the title Graduate Nurse upon graduates of the Nursing Courses.

A graduate of any course may receive the baccalaureate degree of any other course by completing the additional studies required in that course. Two bacca-

laureate degrees cannot be taken in one year, and for a second bachelor's degree in the College of Letters and Science there are required one year's additional study and a special thesis.

HIGHER DEGREES

The University confers in course, the degrees of Doctor of Philosophy, Doctor of Medicine, and Doctor of Public Health. The degree of Master of Arts is conferred as a second degree upon candidates who have received the degree of Bachelor of Arts or an equivalent, and the degree of Mastr of Science upon candidates who have received the corresponding baccalaureate degree. The degree of Master of Public Health is granted in course to graduates of approved medical colleges for graduate work done here. The degree of Master of Philosophy is conferred upon candidates who have received the degree of Bachelor of Philosophy at the University of Wisconsin; such candidates may receive the degree of Master of Arts or Master of Science by doing supplementary work. Candidates who have taken the degree of Bachelor of Science in one of the engineering courses may receive the degree of Civil Engineer, Mechanical Engineer, Electrical Engineer, Chemical Engineer, or Mining Engineer. The conditions under which these higher degrees are granted will be found stated on pages 332-4.

GENERAL ACADEMIC REQUIREMENTS

ADVISERS. Upon being admitted to the University, each student is assigned to a number of the faculty who acts as his adviser. The duties of the adviser are to assist the student in selecting his subjects so as to secure a well-rounded education, as well as to aid him in interpreting the requirements and to oblige him to meet them in their proper sequence. The responsibility for the selection of courses rests, in the final analysis, upon the student and it is not the province of the adviser to refuse approval of a course which the student is entitled to elect. Similarly, it is the primary duty of the student to meet the requirements of his course in their proper order, so that he may not, in his senior year, find himself ineligible for graduation. At the opening of each semester the student is required to consult his adviser concerning his choice of studies, and the adviser must approve the student's elections before he is permitted to enter classes.

EXAMINATIONS; GRADES. Two-hour examinations are held at the close of each semester, and one-hour examinations are held in all elementary and most advanced courses one to three times during a semester. No special semester examination will be given except by authorization of the faculty. Final grades are made up at the close of each semester, but mid-semester reports are also turned in for all freshmen and for students whose work has been unsatisfactory.

CREDITS AND POINTS. The unit used in computing the amount of work required for graduation is the credit, which represents one hour of class work per week for one semester, together with the necessary preparation. Two or sometimes three hours of laboratory work are considered as the equivalent of one hour of class work. In order to receive a degree the student must gain not only the number of credits required in the course which he is pursuing, but his studies must reach a certain average of excellence. This standard is fixed by the grade-point system, which requires for graduation from any course as many points as credits. The following table shows the University scale of grading, together with the number of points per credit for each grade:

PERCENTAGE	GRADE	POINTS PER CREDIT
93-100	A (Excellent)	3
85- 92	B (Good)	2
77- 84	C (Fair)	1
70- 76	D (Poor)	0
60- 69	Condition	0
Below 60	Failure	0

The maximum number of points that can be secured by a student graduating in a course which requires, for example, 120 credits, is 360; the minimum, 120. It is evident that an average grade of C is necessary for graduation. Students who, by reason of poor grades, fall behind in the required number of points are ineligible for graduation. Thus a student may readily determine his relative progress.

ATTENDANCE. Students are required to be present at the opening of the semester and to remain until the exercises of the semester are finished. It is expected that every student will be present at all of the exercises at which he is due. If at any time a student is absent, he must satisfy his instructors that such absence is for good and sufficient cause. Any student who is absent from recitations immediately preceding or following Thanksgiving day or the Christmas or spring recess without an excuse acceptable to the dean of his college will be excluded from the semester examinations in those studies from which he was absent and will be required to write special examinations during the following semester. This rule also applies to absences at the opening of the second semester.

AUDITORS. Regular students may enter classes as auditors, subject to the approval of the adviser and of the instructor whose class is visited. Auditors are under no obligations of regular attendance, preparation, recitation, or examination, and receive no credit toward graduation. Others may be admitted as auditors only with the consent of the dean; they are required to register, pay the regular fees, and to have class cards for the courses they elect to attend.

HONORS AND PRIZES

Sophomore Honors. Sophomore honors and high honors are awarded on the basis of a minimum of two full years' work, not less than 60 credits, completed in residence at the University. A student securing during these two years 135 grade-points, plus 1½ grade-points for each credit above 60 required in his course, will be awarded Sophomore Honors; a student securing these two years 165 grade-points, plus 2 grade-points for each credit above 60 required in his course, will be awarded Sophomore High Honors.

Senior Honors. Senior honors and high honors are awarded on the basis of the academic requirements for the second half of any four-year course. A student securing 135 grade-points, plus 1½ grade points for each credit above 60 required in his course for completing the second half, will be awarded Senior Honors; a student securing 165 grade-points, plus 2 grade-points for each credit above 60 required in his course for completing the second half, will be awarded Senior High Honors. Any student who has been permitted to carry more than the minimum number of credits during the first two years of his course and less than the minimum during the last two years, will not thereby be barred from securing senior honors.

Thesis Honors. Senior thesis honors are awarded at Commencement to students who have written exceptionally fine or original theses, without reference to their other work.

Bryan Prize Fund. In 1899 William Jennings Bryan presented $250 to the University, the income to be used as a prize for the best essay on *The Science of Government*. Unused income is added annually to the principal. The fund now amounts to $625.00.

Edna Kerngood Glicksman Prize. "This prize, perpetuating the memory and influence of Edna Kerngood Glicksman and awarded each year to a member of the senior class in recognition of intellectual attainments, high womanhood, and service in the college community," was awarded in 1928 to Miss Dorothy R. Bucklin.

The Theodore Herfurth Efficiency Prize. Mr. Theodore Herfurth, of Madison, has offered a prize of $100 to a senior male student who shows greatest evidence of initiative and efficiency. In 1928 the award went to Harold A. Konnak.

Jubilee Medal. The award of this medal, a reproduction in gold of the medal designed for the University at the time of its fiftieth anniversary, was established by the co-operation of the Departments of Economics, History, and Political Science in recognition of the best senior thesis in those three departments, and is awarded annually at Commencement. In 1925, the competition was extended to the Department of Philosophy. The medal for 1928 was awarded to Arthur S. Jandrey.

LEWIS PRIZE. In 1865, Governor James T. Lewis gave $100 and in 1866 another $100 to constitute a fund the income of which was to purchase an annual scholarship medal. In 1873, with the consent of the donor, it was decided to use the income as a prize for the best undergraduate essay. By 1905 the fund had grown to over $300 and the Regents, in recognition of this having been the first permanent endowment given to the University, established the "Lewis Prize," consisting of $25 annually. Any deficiency in the income of the fund, which now amounts to about $700, is to be paid from the general account of the University. The prize is awarded to that member of the freshman class taking full work and regularly enrolled in freshman English who shall write the best theme, under conditions determined by a committee of the instructors in English 1. The prize for 1927-28 was awarded to James H. Hill.

MITCHELL PRIZE. In June 1921, Mr. William M. Chester of Milwaukee offered a gold medal in memory of John Lendrum Mitchell, a member of the Class of 1917 who lost his life while serving as an aviator in the American Expeditionary Force in the World War, the medal to be awarded annually for the best essay on industrial relations. The medal for 1928 was awarded to Dorothy R. Bucklin.

WILLIAM F. VILAS MEDAL AND PRIZE FUND. In 1910-11 and again in 1911-12, Anna M. Vilas gave $125 for medals for intercollegiate debating and oratory. In June, 1912, to make this annual gift permanent, she turned over $4,000 to the Central Wisconsin Trust Company of Madison, the annual income to be used as follows: First: $125 for seven medals in oratory, to be known as the William F. Vilas Medals for Oratory. The Department of Speech has charge of the administration of these prizes. Second: Two cash prizes for essays—one of $50 and one of $25, to be known as the William F. Vilas Prizes for Essays. The English Department annually posts on various bulletin boards the conditions of competition. The prizes for 1928 were awarded to Miss Naomi Rabe and Ralph E. Conner.

PUBLIC LECTURES

Each year the University arranges a series of public lectures, and brings to Madison for that purpose a number of distinguished speakers. The aim is to provide lectures of general interest and to have them cover a wide range of subjects. The lectures are free to the students and to the public.

ACADEMIC YEAR 1927-28

1927

October 14. E. D. Merrill—"The Correlation of Geologic History with the Geographic Distribution of Plants and Animals of Malaysia."
October 31. Peter Manniche—"The Folk High Schools and the Development of a Farming Community."
October 31. Peter Manniche—"The International People's College of Denmark."
November 1. Auguste Desclos—"Claude Monet" (in English).
November 1. Auguste Desclos—"Les Universités Françaises" (in French).
November 7. Rollo W. Brown—"French and American Teaching of the Vernacular."
November 7. Rollo W. Brown—"The Creative Spirit and Youth."
November 9. M. Blakemore Evans—"The Passion Play of Lucerne—A Civic Pageant of the Middle Ages."
November 16. Eva Sikelianos—"Ancient and Traditional Greek Music."
December 1. Otto Karstädt—"School Reform in Germany" (in English).
December 2. Otto Karstädt—"Gegenwärtige Strömungen in der Deutschen Literatur (in German)."
December 5. E. A. Birge——"Life in Inland Waters."

1928

January 10. Abby L. Marlatt—"Home Economics During Past Twenty-five Years."
January 13. Zinovi Pechkoff—"Life in the Foreign Legion."
January 17. Benjamin Pittenger—"Modernism versus Fundamentalism in Education."
January 20. S. de Madariaga—"Disarmament."
January 21. C. Caratheodory—"Analytic Functions of Two Variables."
February 7. E. Bennett—"The Economic Aspects of the Use of Energy."
February 15. Grant Showerman—"Digging Up Ancient Cities."
February 20. Grant Showerman—"A Hundred Years of Excavation."
February 21. Ernest J. Ashbaugh—"The Students' Standard of English."
February 21. Jiri V. Danes—"Czechoslovakia."
February 23. Grant Showerman—"The Meaning of Ancient Rome to Modern Times."
February 27. José Vasconcelos—"Iberoamericanism and Pan Americanism" (in English).
March 6. W. S. Middleton—"The Past Twenty-Five Years in Medicine."

March 7. Ralph E. Griswold—"Elements of Character in Landscape Design."
March 12. Alexander von Meyendorff—"The Russian Church, Past and Present."
March 13. Alexander von Meyendorff—"The Russian Manor and the Sociological Result of its History."
March 14. Alexander von Meyendorff—"The Political Structure of Soviet Russia."
March 19. Robt. Morss Lovett—"The Riddle of the 19th Century—Is Life Worth Living?"
March 21. Robt. Morss Lovett—"The Answer of the Individual."
March 22. John Garstang—"The Forgotten Empire of the Hittites."
March 23. Robt. Morss Lovett—"The Answer of Society."
March 24. George Russell (AE)—"Some Personalities in the Irish Literary Movement."
March 26. A. Hrdlicka—"The Origin of the Living Races of Man, their Spread over the World, and their Present Classification."
March 27. A. Hrdlicka—"The Racial Composition of the Principal now Exising Nations of the World."
March 27. A. R. Hohlfeld—"Goethe's 'Faust'."
March 28. A. Hrdlicka—"The American People."
March 29. T. Wingate Todd—"The Mediaeval Physician."
April 12. James Kendall—"Ionic Migration."
April 16. Walter Miller—"Olympia and the Olympic Games."
April 17. Paul Knaplund—"The British Commonwealth of Nations."
April 17. Alfred Adler—"The Feeling of Inferiority."
April 18. Alfred Adler—"The Prevention of Neurosis."
April 18. Isabel de Palencia—"Spanish Regional Costumes: The History of the Mantilla and the Spanish Shawl (in costume).
April 24. Carlo Sforza—"Democracy and Autocracy."
April 25. Oskar Hagen—"The Art of Albrecht Dürer."
April 30. George Meason Whicher—"Thessaly: The Vale of Tempe and the Meteora."
May 1. George Meason Whicher—"The Palace of Diocletian and the Dalmatian Coast."
May 2. George Meason Whicher—"Is Poetry an Art?"
May 2. Paul Malone—"America's Participation in the World War."
May 3. George Meason Whicher—"Roman Africa."
May 4. George Meason Whicher—"Some Tendencies in American Poetry."
May 9. Robert Wild—"Three Representative German Americans: Francis Lieber, Gustav Koerner, Carl Schurz."
May 17. Balthazar H. Meyer—"In the Public Service."
May 21. Thomas F. Tout—"The Unity of Mediaeval Civilization."
June 7. George Barger—"The Thyroid Gland and Thyroxine."

PUBLICATIONS OF THE UNIVERSITY

The University of Wisconsin Studies are published quarterly at Madison and contain original papers by persons connected with the University. More detailed information regarding these and other publications may be obtained on application to the University Editor.

The general series of the Bulletin of the University of Wisconsin includes the annual catalog, special announcements of the various schools and colleges, etc. A directory of officers and students is issued early in each academic year and a general catalog of officers and graduates is published once in five years if funds are available; the last volume, which included the classes from 1849 through 1919, was issued in 1921. Copies of these publications may be secured from the University Editor.

The high-school series, comprising a number of manuals designed to assist secondary school teachers in the subjects of the high-school curriculum, is published by the Committee on High-School Relations.

From the Washburn Observatory are issued the Publications of Washburn Observatory; from the Agricultural Experiment Station, bulletins and annual reports; and from the office of the Farmers' Institute, the Wisconsin Farmers' Institute Bulletin.

STUDENT EXPENSE

UNIVERSITY CHARGES

TUITION. No tuition is charged to residents of Wisconsin, except in the Library School ($25 per semester for residents and $50 for non-residents), and the Wisconsin High School ($8 per quarter for residents and $15 for non-residents); a fee of $62.00 per semester is charged to students who are non-residents of this state, as defined in the following excerpt from Section 36.16 of the Wisconsin Statutes:

"Any student who shall have been a resident of the state for one year next preceding his first admission to the University, or any student whose parents have been bona fide residents of this state for one year next preceding the beginning of any semester for which such student enters the University, shall be entitled to exemption from fees for tuition, but not from incidental fees, in the University. Any student who shall not have been a resident of the state for one year next preceding his first admission to the University, except as above provided, shall not be exempt from the payment of the tuition fees until he shall have attended the University for four academic years; but if he shall have attended the University for one academic year and the next three years shall have been spent as a resident of this state; of if he shall have attended the University for two academic years and the next two years shall have been spent as a resident of this state, he shall be entitled to exemption from payment of the tuition fees upon re-entering the University."

FEES AND DEPOSITS. An incidental and infirmary fee of $15.50 per semester ($20.50 beginning with 1928-29) is payable by each student enrolled in the University proper; see Summer Session, page 365, and College of Agriculture, page 259, for special fees charged. The laboratory fees and deposits charged in the various subjects are stated in the announcements of the departments of instruction. A library deposit of $2.00 is required of each student when he first matriculates. Fees are not refundable, except as specified below under Refunds; deposits cover loss of or damage to equipment and are refundable in whole or in part.

PAYMENT. All fees must be paid at the beginning of each semester. Until this has been done, the student will not be considered regularly matriculated and cards entitling him to admission to classes will not be issued. A fine of three dollars ($3.00) is charged for late registration, applicable to all students paying fees after the regular registration days, with no exemptions for any reason. The Bursar is required not to accept fees from anw student who does not pay promptly after his registration card is issued. Students entering after half a semester or term has elapsed pay half the prescribed tuition fees.

REFUNDS. The Bursar, upon recommendation of the Registrar, is authorized to make partial refunds of semester tuition and fees on the following basis to students withdrawing from the University: withdrawal within two weeks from

the first day of instruction, 80% refund; within four weeks, 60%; within six weeks, 40%; within eight weeks, 20%; after eight weeks, no refund. Students entering after regular registration days and withdrawing within eight weeks from the first class day will, upon recommendation of the Registrar, be allowed refunds according to the above schedule based on the time actually in residence.

The full amount of fees paid will be returned to students who for any reason fail of admission to the University. No claim for remission of fees will be considered unless such claim be presented during the fiscal year to which the claim is applicable. No fees are refunded in case a student is suspended for disciplinary reasons.

GRADUATE STUDENTS. Graduate students pay the same fees as undergraduate students, but honorary fellows and honorary scholars are exempt from fees. Fellows, scholars, and student assistants are required to pay laboratory fees; instructors and assistants are exempt from such fees in courses taken in their own departments.

Graduate students who are not members of the University staff of instruction or research and who in any semester pursue studies in amount less than half the normal amount may have their fees prorated in proportion to the amount of such study upon securing the recommendation of the Dean of the Graduate School to the Registrar that the case comes under the above rule and that he regards it as one of more than common merit, provided the prorated fee shall not be less in amount than the regular fee for the semester.

STAFF MEMBERS. Members of the teaching and research staff of the University, graduate fellows, graduate scholars, and members of the State Geological and Natural History Survey who are candidates for higher degrees, shall pay such fees as are prescribed for graduate students resident in Wisconsin. After any such candidate shall have paid to the University of Wisconsin in such fees a total sum equal to or greater than that usually paid in seven semesters of candidacy by graduate students resident in Wisconsin, he shall be exempt from payment of such fees in subsequent sessions of the University.

Members of the technical staff of the Forest Products Laboratory, technical experts employed in any of the departments of state, staff members of the United States Department of Agriculture stationed at the University and engaged in research, who are candidates for higher degrees, and officers of the United States Army detailed by the War Department as students and doing graduate work, are subject to regulations regarding non-resident fees that are applied under Regent laws to members of the instructional staff who are candidates for higher degrees.

SUMMARY OF EXPENSES

Although it is difficult to give a definite set of figures which would be applicable to the "average" student, the following table may suggest the expenses which various individuals might be expected to incur during a single academic year, not including clothing, railroad fare, non-resident tuition fee, nor the university charges outlined on the preceding pages.

	Lowest	Average	Highest
Board	$ 225	$ 250	$ 325
Laundry (*if mailed home)	10*	50	75
Sundry personal expenses	50	150	300
Room rent—			
Men's dormitories	120	150	150
Women's dormitories	120	150	150
Double rooms, per person	90	125	150
Single room	150	175	240
	$ 375	$ 600	$ 940

SELF-SUPPORT

The University Student Employment Office is maintained to assist in finding employment for those men and women students who are partly or wholly self-supporting during their attendance at the University.

Students who have good health, reasonable ability, and a real desire for a college education can make part or all of their expenses by saving what can be earned during the summer vacation and by working part-time during the school year. Students should realize that to do this requires hard work, the sacrifice of some good times, constant application to studies, responsibility in whatever outside work they undertake, close attention to physical fitness, and careful management of funds. Many working students carry a reduced schedule of classes; the number of credits depends upon the ability of the student and the number of hours of outside work.

Students coming to the University for the first time should have enough to pay all necessary expenses for at least the first semester ($225 to $275), exclusive of tuition fees, clothing, and traveling expenses, so that they may have time to get well started with studies and to find employment. See also summary of expenses on preceding pages.

It is not practicable to make definite arrangements for a position before coming to Madison. In the first place, the employer usually requires a personal interview; in the second place, changes may occur in the plans of either student or employer, so that arrangements made in advance often do not materialize and disappointment results. Neither is it a good plan to come a long while in advance with the idea of finding work, as most employers do not know their needs definitely until a week or ten days before the opening of school.

As several hundred students apply for work at the opening of the school year, competition is keen. It is impossible to place all of the applicants at once, and often many must wait several days or weeks before finding suitable employment. The office is principally called upon to furnish stenographers, typists, clerks, waiters and waitresses, dishwashers, janitors, choremen, and houseworkers in private families in exchange for room and board. Only those who are willing to do whatever is available can expect to earn their expenses. As far as possible, applications for employment are filled in order; but as the kinds of work available are of a widely varied nature, those students who are best qualified for the work must, in fairness to the employer, be considered first.

LOAN FUNDS AND UNDERGRADUATE SCHOLARSHIPS

Information relative to loan funds and scholarships may be secured from the Chairman of the Committee on Loans and Scholarships, except as specifically noted in the following paragraphs.

SCHOLARSHIPS

LEGISLATIVE SCHOLARSHIPS—Section 36.16 of the Wisconsin Statutes provides that: "The Regents of the University may remit in whole or in part tuition, but not incidental fees, to a number of needy and worthy non-resident students, not exceeding 8 per cent of the number of non-resident students registered in the preceding year, upon the basis of merit to be shown by suitable tests, examinations or scholastic records, and continued high standards of scholastic attainment." These scholarships are available for graduates as well as undergraduates; see under the heading Graduate School.

WISCONSIN SCHOLARSHIPS—The Regents have appropriated the sum of $5,000 annually for undergraduate scholarships to be known as the Wisconsin Scholarships, consisting of 50 scholarships of $100 each. Applicants for the Wisconsin Scholarships must be first-year students who can register as residents of Wisconsin, who are in need of financial assistance, and who show worth and ability during the first semester. These scholarships are agarded during the second semester by the Regents upon recommendation of the regular faculty committee on undergraduate scholarships, to whom application should be made.

AMERICAN ASSOCIATION OF UNIVERSITY WOMEN SCHOLARSHIPS—In May, 1917, the Madison branch of the American Association of University Women made available a scholarship of $100 for a University girl, preferably one who has finished her junior year. In 1922 the amount was increased to $200 to provide two scholarships.

CRUCIBLE SCHOLARSHIP—Crucible, an honorary organization of junior women, provides a scholarship of $50 per annum. (Not to be conferred for 1928-29; instead this amount will be contributed to the University Women's Housing Fund.)

AMELIA E. H. DOYON SCHOLARSHIPS—The will of Mrs. Amelia E. H. Doyon, late of Madison, provided for a gift to the University of $5,000 to be known as the Amelia E. H. Doyon Student Aid Fund. The income from this fund is divided into two equal parts, designated as the Amelia E. H. Doyon Scholarships, which are to be given to young women in attendance at the University, to be selected by the faculty. In making this selection the scholarship or standing of the persons selected and their need of financial help are both taken into consideration. Neither scholarship is to be bestowed on any young woman who has not been in attendance as a student of the University of Wisconsin for at least one year.

RUDY HOHLFELD MEMORIAL SCHOLARSHIP—In April, 1926, Professor and Mrs. A. R. Hohlfeld established this scholarship in memory of their son, Rudolf Libbert Hohlfeld, B.A., 1923, who lost his life on November 28, 1925, while en-

gaged in geological survey work in eastern Peru. The recipient of the scholarship is to be a young man of the junior or senior class of the College of Letters and Science who is an able and promising student, actively interested in athletics, and of strong, upright character. Other things being equal, candidates majoring, or at least doing a considerable part of their work, in geology are to be given prior consideration. A student who has held the scholarship during his junior year may be reappointed for a second year as senior. The scholarship at this time amounts to $200 per year.

GAMMA PHI BETA SCHOLARSHIP—The Gamma Phi Beta sorority, in 1911, established an annual scholarship of $100 for women students, to be awarded on the basis of scholarship and need of financial assistance.

KAPPA KAPPA GAMMA SCHOLARSHIP—An annual scholarship of $150 is provided by the Kappa Kappa Gamma sorority for the assistance of needy and meritorious women students.

FANNIE P. LEWIS SCHOLARSHIP FUND—By the will of the late Fannie P. Lewis, of Watertown, Wisconsin, $10,000 was left to be held in trust by the University Regents. The annual income from this money is to be divided equally between two women students of the University who shall be selected by the Regents, on the recommendation of the faculty. In making these recommendations both scholarship and need of financial assistance are to be considered.

MORTAR BOARD SCHOLARSHIP—Mortar Board, a society composed of senior women, maintains an annual scholarship of $100 which is awarded to a woman student, the award being made on the basis of scholarship and need of financial assistance. (Not conferred for 1928-29; instead this amount will be contributed to the University Women's Housing Fund.)

OMICRON NU SCHOLARSHIP—Omricon Nu, an honorary organization of home economics students established in 1919, provides a scholarship of $250 annually for a woman in the Home Economics Department of junior, senior, or graduate rank.

SOUTH AMERICAN SCHOLARSHIPS—The Regents have made available to South American students three scholarships of $150 each. For information address the Secretary of the Regents.

CHRISTIAN R. STEIN STUDENT AID FUND—By the will of the late Christian R. Stein, of Madison, a bequest of $1,000 was made to the University, the interest on which maintains a scholarship to be given by the faculty to a student of the University who has been in attendance at least one year.

J. STEPHENS TRIPP SCHOLARSHIP—In April, 1923, the Regents placed $10,000 of the money received from the Tripp Estate in a separate fund in the University Trust Funds to establish the J. Stephens Tripp Scholarship, the income each year to be paid to a student, graduate or undergraduate, from Sauk County, Wisconsin.

MARTHA GUNHILD WEEK SCHOLARSHIP—In December, 1923, the University received $5,000 from the estate of Martha Gunhild Week, of Stevens Point, Wis-

consin to establish the Martha Gunhild Week Scholarship. The income each year is to be awarded to a woman chemistry student, the candidate to be named and recommended to the Regents by the faculty of the Chemistry Department.

WOMEN'S ATHLETIC ASSOCIATION SCHOLARSHIP—The Women's Athletic Association has established a scholarship in the amount of $100 per annum, which is awarded to a woman student.

WOMEN'S SELF-GOVERNMENT ASSOCIATION SCHOLARSHIP—The Women's Self-Government Association, in addition to their yearly contribution to the Wisconsin Women's Housing Fund, has provided a scholarship of $100 per annum, which is awarded to a woman student.

LOAN FUNDS

The loans made by the University of Wisconsin are for emergency purposes only inasmuch as the funds are not large enough to permit sustaining loans to be made.

HENRY STRONG LOAN SCHOLARSHIPS—The Henry Strong Educational Foundation of Chicago offers a limited number of loan scholarships to University students, either men or women. These loans ordinarily do not exceed $200 and are made for a definite period without interest. Application may be made to the Committee on Loans and Scholarships.

ARCHIBALD W. CASE LOAN FUND—In 1916, J. F. Case established the Archibald W. Case Loan Fund for engineering students, in memory of his son. The fund now amounts to $5,800. For information address the Dean, College of Engineering.

EMERY LOAN FUND—In 1900 a fund was started by Miss Annie Crosby Emery, formerly Dean of Women, which is loaned to needy women students on recommendation of the Committee on Loans and Scholarships.

ARTHUR END MUSIC LOAN FUND—In 1919 the Arthur A. End music loan fund was established as a memorial by his mother, Mrs. Mary B. End, of Sheboygan, Wisconsin, with an initial payment of $100, to be loaned to students of music. For information address the Secretary of the Regents.

CORA RODERMUND EVANS LOAN FUND—In 1926 a bequest of $5,000.00 was made to the University from the estate of Mrs. Cora Rodermund Evans, with a provision in the will stating that the income from this amount is to be loaned to deserving students in the Medical Department of the University.

JOHN A. JOHNSON STUDENT AID FUND—The University is indebted to the liberality of Hon. John A. Johnson, late of Madison, for a gift of $5,000, made in 1876, the interest on which is loaned to students. The principal of this fund now amounts to about $25,000. The sum obtained by one student in one year shall not exceed $50, and the total amount shall not exceed $200.

KEMPER K. KNAPP LOAN FUND—On January 16, 1924, the Regents accepted the gift of $5,000 from Kemper K. Knapp, of Chicago, for a fund to be used as a student loan fund. Since that time Mr. Knapp has increased the fund to

$12,500. Loans are made under the following and such other regulations as the Regents may adopt: (1) loans to be made to students in attendance at the University of Wisconsin; (2) each loan before being made to be recommended by a committee of the faculty; (3) each loan to draw interest at the rate of three per centum per annum for the first term and at the rate of six per centum for each renewed term; (4) no loan or renewal of a loan to be made for a longer term than one year.

KUPPENHEIMER LOAN FUND—Mr. Albert B. Kuppenheimer, of Chicago, donated $1,000 in December, 1916, to establish a loan fund open to all men students under the following conditions: (1) loans not to exceed one year; (2) joint signatures of responsible parties required; (3) interest, only after maturity, at six per cent; (4) administration to be in the hands of the general university loan committee.

THOMAS J. MARSTON LOAN FUND—This fund was established in 1925 by a bequest from Mrs. Annie G. Marston in memory of her husband, the income to be used for the purpose of assisting poor, worthy, competent students in pursuing their undergraduate studies in the University. The principal of the fund now amounts to approximately $20,000.

ALEXANDER H. ROGERS LOAN FUND—Through the generosity of the sons of the late Alexander H. Rogers, of Chicago, the sum of $1,000 from the estate of Mr. Rogers has been turned over to the University to be used as a loan fund for the assistance of needy students. By the terms of the gift no one student may secure more than $250 from this fund.

THE MAJOR LYMAN C. WARD MEMORIAL LOAN FUND—In 1919 a gift of $100 as received for the establishment of the Major Lyman C. Ward Memorial Loan Fund; the money to be loaned to men students only and preferably to undergraduates.

SECRETARY'S LOAN FUND—The Secretary of the Regents in 1900 established a fund of $500 for the aid of meritorious students. Additions to the fund have been made by others. No loans shall exceed $50 in a single year, and the aggregate of loans to any person shall not exceed $200. The principal of this fund now amounts to about $2,100. For information address the Secretary of the Regents.

AGRICULTURAL COLLEGE LOAN FUND—In 1911 Albert B. Kuppenheimer, of Chicago, gave $750 to establish a loan fund in the College of Agriculture. In 1916 the outstanding balance of the Geneva Loan Fund was consolidated with the Kuppenheimer Fund, making a total of $1,500. This is loaned to needy students in small amounts with interest at six per cent after maturity. For information address the Dean, College of Agriculture.

COLLEGE OF ENGINEERING LOAN FUND—The College of Engineering Loan Fund was started in 1901 by a friend of the college in Milwaukee, to be used for the assistance of needy students. It has been added to at various times until it now amounts to about $1,800. For information address the Dean, College of Engineering.

GRADUATING CLASS LOAN FUND—The Class of 1900 gave to the University several hundred dollars, the profit of the Senior Class Play, as the nucleus of a loan fund for the aid of needy students, to which several succeeding classes have made substantial additions.

CLASS OF 1885 LOAN FUND—In March, 1916, the Class of 1885 established a small loan fund for needy students.

CLASS OF 1912 LOAN FUND—The Class of 1912 left the balance in the class fund, amounting to $850, to establish a loan fund. The money was placed in the University Trust Fund and allowed to accumulate for ten years; the interest is available for loans. The principal of the fund now amounts to some $1,500.

CLASS OF 1913 LOAN FUND—The Class of 1913 turned over the proceeds of the class play, amounting to $396.48, and a number of the members of the class took out twenty-payment life insurance policies of $100 in the state life insurance fund. Dividends on these policies and interest earnings on the fund have been added annually. The principal of the fund now totals about $2,000. When the policies mature in 1933 the income each year will be loaned to students.

CLASS OF 1914 LOAN FUND—The Class of 1914 established a loan fund, each senior paying $2 a year for five years. The fund now amounts to approximately $1,500.

CLASS OF 1916 MEMORIAL LOAN FUND—The Class of 1916 established a loan fund now amounting to approximately $1,400. Principal and interest are to be loaned to students for periods of not to exceed one year; not more than $50 is loaned to one person. Three per cent interest is to be charged, with six per cent after maturity.

CHICAGO ASSOCIATION OF WISCONSIN ALUMNAE LOAN FUND—In 1913 the Chicago Association of Wisconsin Alumnae donated a fund for loans to needy women students. Preference is given to juniors and seniors and no student may secure more than $50 from the fund.

THE MRS. WILLIAM F. ALLEN MEMORIAL LOAN FUND—In 1925 a bequest was made to the University from the estate of Mrs. William F. Allen, and the former University League Loan Fund was merged with it. The fund now amounts to over $2,500 and is available for loans to women students upon recommendation of the Committee on Loans and Scholarships.

WISCONSIN ENGINEER LOAN FUND—This fund of $500 is known as The Wisconsin Engineer Student Loan Fund and loans are made upon recommendation of the Dean of the College of Engineering. Students borrowing from the fund are informed as to the source of the money, and a report is to be made each year to the directors of the Wisconsin Engineer, showing the use to which the money has been put. If the Wisconsin Engineer prospers in the future as it has in the past, substantial additions will be made to the fund each year.

ROOM AND BOARD

The University has two dormitories for women, Chadbourne and Barnard Halls, accommodating about 275 students. The new men's dormitories on the lakeshore, Tripp and Adams Halls, accommodate approximately 500 men. In addition, there are four houses, Tabard Inn, Charter House, Anderson House, and Fallows House, where 75 women students are accommodated. The occupants of these houses are usually chosen from students who have been in attendance at the University at least one semester. Information regarding these houses may be secured from the Dean of Women. All other students are dependent for rooms upon private rooming houses, the Y. M. C. A. building, and the various fraternity, sorority, and club houses. The prices of single rooms outside the University buildings range from $4 to $6 a week. A few double rooms can be secured for $2.50 a week per student, but the more desirable ones rent at $3 to $4.50 per student.

Lists of approved rooming houses for men and for women are prepared by the Dean of Men and Dean of Women respectively, from whom copies may be secured. However, the supply of available rooms is ample, and, inasmuch as all arrangements for student rooms hold for an entire semester under ordinary circumstances, students are urged not to engage rooms which they have not seen, but to wait until they arrive in Madison before renting. All houses listed by the Dean of Women have been inspected by the staff of her office, and, although responsibility cannot be assumed by the University, such houses are believed to be suitable homes for women students. They accommodate women exclusively and in each case a parlor is provided for the reception of visitors. Permission to live in houses other than those inspected and approved is given only by the Dean of Women, and such permission must be secured before the student engages a room.

Dining rooms are maintained in Chadbourne and Barnard Halls and in connection with the men's dormitories, and for other students the University operates a cafeteria and a dining room in the new Memorial Union. In private boarding houses and cafeterias, board ranges from $6.50 to $9 a week.

DORMITORIES FOR WOMEN

The two women's dormitories, Chadbourne Hall accommodating 125 women and Barnard Hall accommodating 150 women, are equipped with elevators and supplied with heat from the University central heating plant. Each room is provided with dresser, rocker, cot, bookshelves, rug, and study table, lamp, and chair. During the regular school year, students are expected to provide towels, sheets, pillow cases, blankets, and couch covers. During the summer session, sheets, pillow cases, counterpanes, and two light-weight cotton blankets are furnished, but towels are not.

Women living in the dormitories are under the immediate charge of the hostesses of the halls and are subject to the rules of the Women's Self-Government Association of the University.

In accordance with the act of the Legislature of 1913, preference in the assignment of rooms in these halls is given to residents of the State of Wisconsin.

When assignments are made for the following year, students living in one of the halls will be given preference over those who have not had such residence. After 8 a.m. of the last registration day any existing vacancies will be filled regardless of preference on any waiting list.

The rent for the school year of a single room in either Chadbourne or Barnard Hall is $150; of a room accommodating two, $120 per person; of two rooms en suite accommodating two, $150 per person. A few single rooms on the fifth floor of Barnard Hall are rented for $120 per student. Residents of Chadbourne and Barnard Halls are required to take their meals in the hall in which they reside. In addition, there are accommodations in the dining rooms for a number of other women students. The price of board has been fixed at $243 for the academic year including the time from the beginning of classes in September through the last day of examinations in June, exclusive of Christmas and spring recesses. The halls and dining rooms are closed during Christmas recess; during the spring recess the halls are open but the dining rooms are closed. University regulations require that board and room be paid in advance, board by the quarter and room by the semester, within ten days after the issuance of the bills by the Department of Dormitories and Commons.

Applications for rooms will not be received until April 1; these should be sent to the Bursar of the University, together with a deposit of $10 and a statement of the student's choice of dormitory, her permanent home address, and an indication of the class she will enter. The deposits of students who have lived in the halls will be refunded as promptly as practicable following the period of residence in the dormitories providing the student has met all obligations to the department. A deduction from the deposit will be made for any injury to the room or any equipment not returned in perfect condition.

Written acceptance of assigned rooms for the year must be received by the Department of Dormitories and Commons not later than September 1 or, for the second semester, not later than January 8, or the deposit will be forfeited and the room reassigned. Those accepting rooms must take possession by 8 a.m. of the last registration day of the first semester or the corresponding date of the second semester, or forfeit their deposit and room, unless written notification of late arrival is received by the department before that time. When a person remains on the waiting list after September 1, or January 8 in case of the second semester, the deposit will be forfeited if an assignment is made before the beginning of classes and not accepted or rejected promptly. Unassignd depositors may claim a refund at any time.

All rooms are assigned for the entire academic year. If a student withdraws from the University during the year, the deposit fee will be refunded providing there is no loss to the University. If a student withdraws from the dormitories during the year but not from the University the deposit will be forfeited. In any event the student will be held for the rent of the room for the year, or until it is filled from the waiting list. Students withdrawing must make satisfactory arrangements with the Department of Dormitories and Commons in advance.

Rooms will be ready for occupancy in September at 8 a.m. on the Thursday preceding the beginning of instruction. Baggage marked with hall and room number will be received beginning the same day.

Requests for information regarding rooms, board, rates, assignments, and refunds should be addressed to the Department of Dormitories and Commons.

DORMITORIES FOR MEN

Tripp and Adams Halls, the new dormitories for men, accommodate approximately 500 students; Adams Hall, however, has been reserved to house students registered in the Experimental College. These attractive dormitories in the Italian Renaissance style of architecture are located on the campus on the shore of Lake Mendota and are of the most modern fire-proof construction, with exterior walls of Madison sandstone and reinforced concrete. The dormitories consist of two quadrangles, each of which is divided into sections accommodating about thirty men. Thus each section is virtually an independent unit with its own entrance, social rooms, and toilet and shower facilities. This arrangement of units enables the men to become banded together in a congenial comradeship for social purposes and for participation in intra-mural athletic tournaments. The rooms are furnished in a comfortable and sturdy masculine style with new equipment including chiffonier, bed, study table, lamp, and chair, bookshelves, arm chair, rug, wastebasket, and curtains. Bed linen, a bed cover, and two wool blankets are supplied and laundered by the University, but students are expected to furnish towels and to provide for their personal laundry.

Residents are subject to the regulations of the Men's Dormitory Association and are expected cheerfully to comply with the requirements and obligations of this association, including the payment of the semester dues of $5.00. There are very definite regulations governing quiet hours and conduct at social functions and in the dining halls. The university rules applying to all organized groups are in effect and enforced in the dormitories. The group leader, known as the Dormitory Fellow, has immediate charge of the men in his unit; his office is to give counsel and help in building up a strong social organization, and to aid the men in profitably pursuing their college careers.

The rental of a single room for the academic year is $150; of a double room $120 a person. (There is a very limited number of double rooms.)

In accordance with the act of the Legislature of 1913, preference in the assignment of rooms is given to residents of the State of Wisconsin. The dormitories were designed primarily for freshmen; a limited number of rooms, however, will be reserved for sophomores, juniors, and seniors. After 8 a. m. of the last registration day, any existing vacancies will be filled regardless of preference on any waiting list.

Residents of the men's dormitories are required to take their meals in the adjacent refectory, in which there are also accommodations for a number of other men students. Board has been fixed at $252 for the academic year, including the time from the beginning of classes in September to the last day of examinations in June, exclusive of Christmas and spring recesses. The halls and dining rooms are closed during the Christmas recess; during the spring recess the halls are open but the dining rooms are closed. University regulations require that board and room be paid in advance, board by the quarter and room by the semester, within ten days after issuance of the bills by the Department of Dormitories and Commons.

Applications for rooms will not be received until April 1; these should be sent to the Bursar of the University, together with a deposit of $10 and a statement of the student's permanent home address and an indication of the class he will enter. The deposits of students who have lived in the halls will be refunded as promptly as practicable following the period of residence in the dormitories providing the student has met all the obligations to the department. A deduction from the deposit will be made for any injury to the room or any equipment not returned in perfect condition.

Written acceptance of assigned rooms for the year must be received by the Department of Dormitories and Commons not later than September 1 or, for the second semester, not later than January 8, or the deposit will be forfeited and the room reassigned. Those accepting rooms must take possession by 8 a. m. of the last registration day of the first semester or the corresponding date of the second semester, or forfeit their deposit and room, unless written notification of late arrival is received by the department before that time and the room and board bill for the period is paid in advance. When a person remains on the waiting list after September 1, or January 8 in case of the second semester, the deposit will be forfeited if an assignment is made and not accepted or rejected promptly. Unassigned depositors may claim a refund at any time.

All rooms are assigned for the entire academic year. If a student withdraws from the University during the year, the deposit fee will be refunded providing there is no loss to the University. If a student withdraws from the dormitories during the year but not from the University, the deposit will be forfeited. In any event the student will be held for the rent of the room for the year, or until it is filled from the waiting list. Students withdrawing must make satisfactory arrangements with the Department of Dormitories and Commons in advance.

Rooms will be ready for occupancy in September at 8 a. m. on the Thursday preceding the beginning of instruction. Baggage marked with hall and room number will be received beginning the same day.

Requests for information regarding rooms, board, rates, assignments, and refunds should be addressed to the Department of Dormitories and Commons. A bulletin containing detailed information regarding the men's dormitories and their furnishings, facilities, operation, organization, and floor plans will be furnished by the Director of Dormitories and Commons upon request.

STUDENT LIFE

This year marks an epoch-making milestone in the history of student life at Wisconsin, for the dream of the past twenty years has been transformed into stone and steel and the student body is moving into its new "living room," the Memorial Union, a splendid building erected and equipped at a cost of $1,250,000 largely through the generosity of more than 18,000 students, alumni, faculty, and friends of the University. Among the physical facilities of the Union are: cafeteria, large and small dining rooms, tea room, and lunchrooms; rooms for games, music, committee meetings, and assemblies; quarters for student publications and clubs; combined ballroom and banquet hall; library; spacious lounge; barber shop; writing room; checkrooms; alumni offices; and lodgings for transient alumni and visiting teams. By virtue of this wide range of facilities, the Memorial Union will open to the university community heretofore unequalled opportunities for formal and informal social gatherings of diverse types, with a surpassing effect upon the general temper of life at Wisconsin.

Upon registration and payment of his or her semester fees, including an amount of five dollars set aside for the maintenance and operation of the Memorial Union, each student automatically becomes a member of the Union and is entitled to all the privileges of the building during the semester. Life members of the Union (those who have paid a total of fifty dollars in Memorial Union fees or by subscription) are exempt from further payments and are accorded the privileges of the building for life.

Another social center is provided in Lathrop Hall, where there are special facilities for the promotion of women's activities, including a spacious parlor, a quiet room for rest and concentrated work, committee and assembly rooms for women's societies, and offices for the three general organizations of women students. A portion of the Memorial Union fee is used for the operation and maintenance of Lathrop Hall.

FACULTY SUPERVISION

The Faculty Committee on Student Life and Interests has general supervision over all organized student activities, and its chairman, the Dean of Men, is available for correspondence and consultation regarding student affairs at all times. He will gladly confer with parents or guardians regarding individual men students, and he is anxious to get in touch with boys who are contending against illness, discouragement, financial worries, or other obstacles to successful work in college. His office issues mimeographed lists of lodgings and rooming houses for men students, with detailed information.

The academic and social welfare of women students is under the direct supervision of the Dean of Women, whose office is located in Lathrop Hall, a building designed for the use of women students. The dean and her staff of assistants invite correspondence with parents and guardians of women students and gladly cooperate with them in matters affecting their welfare. For the benefit of those women who cannot be accommodated in Chadbourne and Barnard

Halls, the dean's office prepares annually lists of rooming and boarding houses for women students. New students desiring rooms should report at once to her office upon arrival in Madison.

STUDENT GOVERNMENT

MEN'S UNION

Every male student in the University is *ipso facto* a member of the Men's Union. Where Wisconsin men are concerned, the Men's Union is concerned; consequently it tries to set up, in a subtle way, a set of standards by which the quality of a man at Wisconsin is to be judged, and tries to make it possible for a man to live a full-rounded man's life at the university. Among the more external agencies of which the Union avails itself to accomplish its purposes are: student dances, student vaudeville, a concert series which brings the leading musical artists of the world to Madison, and theatrical performances by such artists as the New York Theatre Guild.

The two formal units in the executive machinery of the Men's Union are the Union Board and the Men's Union Assisting Staff. The Union Board is the board of directors of the Men's Union, and it chooses the president and the other officers of the Union from among its own number; the Board is elected by the male members of the student body. The assisting staff supplements the Board in carrying out the principal activities of the Men's Union; its members are chosen by the Board on the basis of effort, interest, and performance during a period spent as candidates in performing routine tasks.

WOMEN'S SELF-GOVERNMENT ASSOCIATION

Every woman student in the University is *ipso facto* a member of W. S. G. A. The object of the Association is, in its own words, "To regulate all matters pertaining to the student life of its members which do not fall under the jurisdiction of the Faculty; to further in every way the spirit of unity among the women of the University; to increase their sense of responsibility toward each other; and to be a medium by which the social standards of the University can be made and kept high." Each dormitory, each sorority house, each lodging house where more than three girls reside, and each section of Madison where girls are living at home, has a representative on the board.

The Association each year provides entertainment of various sorts for university women, cooperates with Union Board in arranging social events for the whole University, pays the expenses of the women students' class organizations, maintains a loan library, and undertakes, in cooperation with a faculty committee representing different schools and departments and under direction of an assistant in the office of the Dean of Women, the presentation of information concerning various occupations and professions for women through a biennial vocational conference and other mediums. The Association makes a yearly contribution to the University Women's Housing Corporation for the purchase of a house for cooperating women students.

THE WISCONSIN UNION

The Men's Union and the Women's Self Government Association are the controlling members of a new organization, The Wisconsin Union, created to maintain and operate the new Memorial Union Building. There are also faculty and alumni representatives on the board of control, known as the Union Council.

STUDENT HEALTH

THE DEPARTMENT OF STUDENT HEALTH was initiated by the University for the protection and adequate care of the health of students. Upon admission to the University, a medical examination is required of each student in order to determine his medical and physical status. Based on the findings of these examinations, special recommendations are made to the dean of the student's college and to the Divisions of Physical Education and Military Science to safeguard the interests and health of the individual. Students are notified at the time of registration when and where to report for examination, and *they are expected to be punctual in keeping such appointments, which take precedence over all class work.* Excuses will be granted for any class or laboratory work missed on account of the medical examination.

The chief function of the service is to prevent illness in the student population. In order to accomplish this aim, the cooperation of each student is necessary, since the protection of the whole depends upon the maintenance of health in the individual. Whenever illness occurs, the medical staff is ready to meet the need of the individual. Consequently the prompt reporting of illness works to the advantage of both the individual and the community.

THE AMBULATORY CLINIC, situated on the first floor in the east wing of the new Wisconsin General Hospital, maintains an adequate staff of physicians and nurses for the needs of all students able to report in person. Hours for consultation are 8 a. m. to 12 noon and 2 to 4 p. m. on week days, excepting Saturday afternoon, and 9:30 to 10:30 a. m. on Sunday; students are requested to observe these hours except in emergency cases. A member of the staff will see or visit emergency cases at any hour with an appreciation of the grave possibilities of minor illness. The early attention to each and every indisposition is encouraged.

THE STUDENT INFIRMARY, a modern hospital building adjacent to the new general hospital, provides facilities for the care of students who are confined to bed or who need nursing attention. It is desirable that all such students avail themselves of these privileges rather than to remain in their rooms, in order that they may receive adequate medical and nursing attention and that the spread of communicable diseases may be checked.

The clinic is maintained by the University as a part of the administration of general student welfare without expense to the student. The infirmary is supported by $3.50 of the student's semester incidental fee and all necessary laboratory and nursing service is rendered without charge to the student. Care of specialists and special nursing in individual cases are matters of extra expense, and arrangements for them may be made through the infirmary staff.

ABSENCE. Statements of absence from classes because of illness should be obtained promptly through the Clinic or Infirmary as the case may be. Application for excuses must be made within a week after return to classes.

SOCIETIES AND PUBLICATIONS

LITERARY, FORENSIC, AND DRAMATIC SOCIETIES

The men's literary societies are: Athenae, organized in 1850 and Hesperia, organized in 1854. These societies are interested principally in debating and maintain a joint debate league, which arranges an annual public debate between the societies. The joint debate has been a feature of the University for nearly fifty years, and interest in it has kept alive men's debating societies long after such organizations have passed away in most universities.

The women also have two literary societies: Castalia, organized in the early years of the University, and Pythia, organized in 1902. Most of their time is devoted to more general literary pursuits and not extensively to debating.

The University is a member of the Midwest Debating League, composed of the Universities of Michigan, Illinois, and Wisconsin. Each university meets the others in debate annually. From time to time additional intercollegiate debates, chiefly with neighboring state universities, are arranged. Wisconsin regularly competes in the annual contest of the Northern Oratorical League, composed of the Universities of Illinois, Iowa, Michigan, Minnesota, and Wisconsin, and Northwestern University.

Positions on university debating teams and the privilege of representing the University in intercollegiate oratorical contests are won in open competition, any undergraduate in good standing being eligible.

The general dramatic club, Wisconsin University Players, is composed of both men and women and is open to all students who upon tryout show either sufficient dramatic talent or some special ability in the fields of production or management. The club gives several formal productions of legitimate drama during the year under the auspices of the University Theater. They also give presentation in the nature of practice, known as open meetings, which the public may attend.

Haresfoot Club is a men's dramatic organization devoted to the annual production of an original musical comedy in which all the roles are taken by men.

MUSICAL ORGANIZATIONS

The University Orchestra, composed of about 75 players, is organized for the purpose of studying the larger classical forms and presenting them in public. Membership is open to qualified students of all classes.

The University Band, consisting of about 200 men, is divided into a concert band and a second band, the latter serving as a training school for the less experienced players. Rehearsals are held two and three times weekly, respectively. Underclassmen playing in the band may receive credit in satisfaction of the optional requirement in military science. Upperclassmen who are members of the concert band and who remain for Commencement, have their incidental fees for two semesters refunded.

The Men's Glee Club, incorporated under the laws of Wisconsin, is composed of a concert club and a second club, membership in each of which is determined by competitive tryouts. The concert club makes an extensive annual tour throughout the Middle West and has gained everywhere a most enviable reputation by maintaining the highest standard of chorus singing.

The Girl's Glee Club makes frequent local appearances. Membership is open to all women students and vacancies are filled by competitive trial.

RELIGIOUS ORGANIZATIONS

Prominent among the religious organizations of the University are the Young Men's Christian Association and the Young Women's Christian Association. These organizations maintain secretaries who devote their entire time to religious, social, and philanthropic work among the students. Nine student pastors supported by eight religious denominations, each with its own student organization, cooperate with the secretaries and promote religious work in the student body in a very systematic way.

SOCIAL ORGANIZATIONS

The social life of the undergraduate finds expression in about a hundred fraternities, sororities, and other house groups, and in a great diversity of clubs and societies, many of them organized principally around professional or other special interests but usually embodying a distinct element of comradeship as well. To catalog even the more important of these organizations would serve no very useful purpose, inasmuch as the new student, if he has the time and other requisites for membership, usually has no difficulty in making the necessary contacts with organizations of the sort in which he may be interested.

STUDENT PUBLICATIONS

Student publications include the Daily Cardinal, a morning newspaper published in its own printing plant adjacent to the campus; the Wisconsin Literary Magazine, a monthly devoted to special articles, short stories, verse, and essays; the Octopus, an illustrated humorous monthly; the Wisconsin Engineer, the Wisconsin Country Magazine, and the Commerce Magazine, monthlies edited and managed by students of these colleges and containing material of professional interest; the Athletic Review, a monthly devoted to the interests of followers of the various teams; and the Badger, a comprehensive and elaborate annual issued under the auspices of the junior class. Positions on the editorial and business staffs of these publications are ordinarily open to all qualified students above the rank of freshman; appointments are made by the various boards of control on the basis of experience and ability.

PROFESSIONAL SOCIETIES

A number of professional clubs and societies for the promotion of interest in specific lines of academic or technical work have been organized and are usually maintained under the guidance of the departments concerned. In other departments where no such organization has been effected, similar results are reached by means of senior and graduate seminaries.

College of Letters and Science

Advertising Club
Arden Club
Beaux Arts Club
Botanical Journal Club
Classical Club
Commerce Club
Educational Administration Club
French Club
Geography Club
Geology Club
German Club
Graduate Club
Italian Club
Language and Literature Club
Mathematical Club
Pharmaceutical Society
Press Club
Spanish Club
Women's Commerce Club
Zoology Club

College of Engineering

American Association of Engineers
American Institute of Chemical Engineers
American Institute of Electrical Engineers
American Society of Civil Engineers
American Society of Mechanical Engineers
Mining Club
Polygon (Geology)

College of Agriculture

Agricultural Literary Society
American Society of Agricultural Engineers
Apis Club (Entomology)
Country Life Club (Agric Triangle)
Euthenics Club (Home Economics)
Saddle and Sirloin Club (Live Stock)

Physical Education

Dolphin Club (Women's Swimming)
Hunt Club (Riding)
Orchesis (Interpretative Dancing)
Outing Club (Women)
Physical Education Club (Women)
Star and Arrow (Men)
W Club (Men)
Women's Athletic Association

HONORARY FRATERNITIES

The honorary fraternities with the dates of their establishment at Wisconsin are:

Alpha Gamma Pi (Women's Commerce), 1918
Alpha Kappa Delta (Sociology), 1922
Alpha Zeta (Agricultural), 1905
Artus (Economics), 1912
Beta Gamma Sigma (Men's Commerce), 1913
Chi Theta Epsilon (Civil Engineering), 1924
Delta Phi Delta (Art), 1921
Delta Sigma Rho (Forensics), 1906
Eta Kappa Nu (Electrical Engineering), 1910
Gamma Alpha (Graduate Scientific), 1910
Gamma Epsilon Pi (Women's Commerce), 1922
Gamma Sigma (Gymnastic), 1918
Mu Phi Epsilon (Women's Musical), 1922
Order of the Coif (Law), 1907
Omicron Nu (Home Economics), 1915
Phi Beta Kappa (Academic), 1898
Phi Delta Kappa (Educational), 1921
Phi Eta Sigma (Freshman Scholastic, Men), 1927
Phi Kappa Phi (General), 1919
Phi Lambda Upsilon (Chemical), 1906
Phi Mu Alpha Sinfonia (Men's Musical), 1921
Phi Sigma (Biological), 1917
Pi Epsilon Delta (Dramatic), 1919
Pi Tau Sigma (Mechanical Engineering), 1916
Rho Chi (Pharmaceutical), 1925
Scabbard and Blade (Military), 1905
Sigma Delta Chi (Men's Journalistic), 1911
Sigma Delta Epsilon (Women's Graduate Scientific), 1921
Sigma Delta Psi (Athletic), 1917
Sigma Epsilon Sigma (Freshman Scholastic, Women), 1927
Sigma Sigma (Medical), 1908
Sigma Xi (Graduate Scientific), 1907
Tau Beta Pi (Engineering), 1899
Theta Sigma Phi (Women's Journalistic), 1910

PART III. ADMISSION

ENTRANCE REQUIREMENTS

Entrance requirements are stated in units of high-school work, a term which is not to be confused with the term *credit* as applied to university work. A unit represents five class periods a week in one branch of study for a school year of at least 36 weeks. Two laboratory periods in any science or vocational study are considered as equivalent to one class period. In closely allied subjects, such as botany and zoology, not usually taught throughout the entire year, units may be constructed by adding the respective time values of the subjects. Three periods a week for a year and a half may be counted as one unit.

GENERAL REQUIREMENTS

Fifteen units, distributed as follows, are the fundamental requirement for regular admission to any college or course in the University, except certain special courses in the College of Agriculture, as specified below:

I. Two units of English are required of all entrants; three units are recommended for all and are required of those who do not offer two units of foreign language. One unit of algebra and one of geometry are also required of all, with an additional half or whole unit of algebra recommended for those seeking admission to the College of Engineering.

II. Two units of science or history, or two units of one of the following foreign languages—French, German, Greek, Hebrew, Italian, Latin, Norse, or Spanish—must be presented by all. If foreign language is offered there must be at least two units in a single language, although in exceptional cases one unit may be offered as the optional subject.

III. The remaining units necessary to bring the total to fifteen must be offered from Groups A and B, with a maximum of four units from Group B and a total of not more than four units in any single subject.

GROUP A

	Units
English	1—2
Foreign language	
French	1—4
German	1—4
Greek	1—3
Hebrew	1—2
Italian	1—2
Latin	1—4
Norse	1—2
Spanish	1—4

	Units
History and Civics	
History	1—4
Civics	½—1
Economics	½
Mathematics	
Advanced algebra	½—1
Solid geometry	½
Trigonometry	½

	Units
Science	
Botany	½—1
Biology	1
Chemistry	1
General science	½—1
Geography	½—1
Physics	1
Physiology	½
Zoology	½—1

GROUP B

(As revised in December 1927 and June 1928)

Agriculture	1—4
Bookkeeping	½—2
Commercial law	½
Commercial arithmetic	½
Commercial geography	½
Shorthand	2
Typewriting (only ½ unit if not combined with shorthand)	½—1
*Business organization	½
*Salesmanship	½
*Office practice	2
Domestic art	1—2
Domestic science	1—2
Drawing, art and design	1—4
Mechanical drawing	1—4
Shop work	1—2
Shop work and drawing	1—4
Music	1—4
History and appreciation	1
Theory and harmony	2
Choral music	½—1
Orchestra	½—2
Band	½—2
Applied music	½—2
Optional (not including drill subjects such as penmanship, physical education, or military training)	½—1

*If taken in the junior or senior year.

ADVISED GROUPING OF PREPARATORY SUBJECTS

Students are advised to adapt their preparatory work to the course they expect to pursue in the University. Attention is called to the special admission requirements of the various colleges and courses and to the recommendations regarding preparation in foreign language. Students expecting to go to the University and who are uncertain as to the college in which they will take their work, are advised to distribute 12 of the 16 units of the high-school course as follows: at least 2 units each of mathematics, science, and history; 2 to 4 units of foreign language; and at least 3 units of English, or 4 if less than 3 units of foreign language are offered. Extra units of history, science, or mathematics should replace foreign language if none is offered.

FOREIGN LANGUAGE

While foreign language is not definitely required for admission to any course, failure to present it will result in greatly curtailing the student's free elections in completing the requirements for graduation from certain courses. Those who expect to take any of the following named courses should preferably present units of foreign language as indicated:

COLLEGE OF LETTERS AND SCIENCE

General Course (B.A. degree)—2-6 units, any languages listed
Course in Commerce—2-6 units, any languages listed
Course in Journalism—2-6 units, any languages listed
Course in Music—2-6 units, any languages listed
Course in Chemistry—2 units of French; 2-4 units of German
Chemistry-Commerce Course—2-4 units of German; 2 units of French, or Spanish
Premedical Courses—2 units of Latin
Four-Year Pharmacy Course—2 units of French; 2-4 units of German
Five-Year Nursing Course—2-6 units, any languages listed
Course in Physical Education for Men—3 units in one language or 4 units in two

Course in Physical Education for Women—4 units, any languages listed
Course in Humanities—2-4 units of Latin and 2-4 units of Greek, French, or German.

College of Agriculture
Course in Home Economics—2-4 units in one language or 5 units in two.

SPECIAL REQUIREMENTS

College of Agriculture. For admission to the Short Course and Dairy Courses students must be at least sixteen years of age and must have a good common school education. Candidates for the Winter Dairy Course are required to have at least six months' experience in a creamery or cheese factory before being admitted.

College of Engineering. Students planning to enter this college are advised to include in their high-school work the following subjects: 1½ or 2 units of algebra, 1 unit of plane geometry, ½ unit of solid geometry, 3 units of English, 2 units each of science and history, and 2-4 units of foreign language.

Law School. Candidates for the degree are required to present for admission the equivalent of three full years of work in the College of Letters and Science; the requirement becomes effective January 1, 1929, and so applies to all students who have not yet started their pre-legal work. A limited number of students who have reached their majority and who have the general entrance requirements stated above and two years of college work may be admitted as special students.

Library School. The numerous special requirements are given in detail under the heading Library School, page 118.

Medical School. Two full years of work in the College of Letters and Science are required for admission, including the special subjects as set forth in detail under the heading Medical School.

SCOPE OF PREPARATORY WORK

The following description serves to indicate the extent of the preparation expected in each of the several subjects named in the preceding rquirements for admission:

ENGLISH

2, 3, or 4 units. Candidates for admission must present two units in English, one in composition, and one in the reading and study of English classics. These two units correspond to the work of the first two years of the standard high school course, in which half of the time is devoted to theme writing and instruction and composition, and half to the detailed study of a number of English classics. At least three units in English are recommended, the third unit to consist of additional work in composition, and either (1) an outline history of English or American literature with the reading and study of selections of each period, or (2) the intensive study of a few typical examples of the novel, the drama, the lyric, and the essay. Four units of English should include composition, and both (1) and (2) given above, in addition to the two required units.

THE TWO UNITS REQUIRED OF ALL

COMPOSITION AND RHETORIC. Practice in theme writing with instruction in the principles of composition and the forms of discourse must form an important part in each unit of English presented for entrance. Every entrant is examined as to his ability to express himself in clear, correct, idomatic English. The test consists in writing several essays on familiar subjects, in which the student plans his work by paragraphs and constructs both paragraphs and sentences in accordance with the simpler principles of composition. No student will be passed in this test and permitted to pursue the course in freshman English whose mark shows serious weakness in spelling, punctuation, grammar, sentence construction, or division into paragraphs. Facility of expression will not be sufficient to offset marked deficiencies in these respects. A more detailed statement of the requirements for admission to freshman English is given in University Bulletin, High School Series, No. 20. Students deficient in English composition must make up such deficiency in one year or be dropped from the University. The University provides special instruction for such students.

READING AND STUDY OF ENGLISH CLASSICS. The two units required in English must include the thorough study of at least ten of the English classics on the list of uniform college entrance requirements in English, or their equivalents. The primary aim of the study of these selections should be the interpretation of the works as independent units; other considerations, such as form, biography, literary history, or critical comparisons, though they should not be neglected, should be kept subsidiary to this main object.

UNITS IN ADDITION TO THE TWO REQUIRED OF ALL

HISTORY OF ENGLISH AND AMERICAN LITERATURE. 1 unit. In addition to the required units in English, one unit in the history of English literature or in the history of English and American literature may be presented. The greater part of the time should be devoted to the reading of selections from representative authors of each period. In the study of the history of literature, which should occupy no more than one-quarter of the time, emphasis should be placed on general movements and tendencies as shown in the selections studied. In the history of English literature characteristic selections from most of the following authors should be read: Chaucer, Shakespeare, Bacon, Milton, Pope, Addison, Goldsmith, Gray, Burns, Scott, Wordsworth, Coleridge, Keats, Shelley, Tennyson, Browning, Lamb, George Eliot, Dickens, and Thackeray. In American literature, selections from the following: Longfellow, Whittier, Bryant, Holmes, Irving, Hawthorne, Cooper, Poe, Lowell, and Emerson. A study of the principles of composition and practice in theme-writing must be included in this unit.

ADVANCED STUDY OF CLASSICS. 1 unit. In addition to the two units of required work, which include the reading and study of English Classics, students may offer one unit representing advanced work in the study of literature. This should consist of an intensive study of typical examples of the novel, the drama, the lyric, and the oration or the essay. At least one work from each of the following four groups should be included: I. (a) Thackeray's *Henry Esmond;* (b) Hawthorne's *The House of Seven Gables;* (c) Dickens' *A Tale of Two Cities;* (d) George Eliot's *Silas Marner.* II. Shakespeare's (a) *Macbeth,* (b)

Hamlet, (c) *King Lear.* III. Palgrave's *Golden Treasury* (First Series), (a) Books ii and iii, or (b) Book iv; (c) Milton's *Lycidas, L'Allegro* and *Il Penseroso.* IV. (a) Burke's *Speech on Conciliation;* (b) Webster's *First Bunker Hill Oration,* and Washington's *Farewell Address;* (c) Macauley's *Life of Johnson, Essays on Milton;* (d) Carlyle's *Essay on Burns.* A study of the principles of rhetoric, with frequent and systematic theme-writing, must form a part of this unit.

MATHEMATICS

ALGEBRA. 1, 1½, or 2 units. The one required unit should include: addition, subtraction, multiplication, division, equations of the first degree with one unknown number, simultaneous equations of the first degree, including the graphical solution of a pair of linear equations with two unknowns, factors, highest common factor, lowest common multiple, solution of quadratic equations.

A third half year of algebra is strongly recommended for all students and is required of engineering students. The work should cover: the theory of quadratic equations; elementary theory of exponents and radicals; systems of non-linear equations including linear quadratic systems, quadratic systems containing no first degree terms; graphic representations of quadratic equations in two variables; examples involving binomial theorem with positive integral exponents; arithmetic and geometric progressions; longarithms; ratio, proportion, and variation.

If a fourth half year is given it should cover: proof of binomial theorem for positive integral exponents, with examples involving negative and fractional exponents; polynominals and equations of any degree in one variable, including factor theorem, remainder theorem, determination of rational roots, graphic and algebraic approximate determination of real irrational roots, roots common to two equations, relation between roots and coefficients of the equation; permutations and combinations; determinants.

GEOMETRY. 1 unit of plane geometry. An additional half year of solid geometry is strongly recommended for students who expect to enter the College of Engineering.

TRIGONOMETRY. ½ unit. The fundamental properties of the trigonometric functions, the addition theorem and the more important formulas which follow from it; the solution of the various cases of right and double plane triangles; the use of logarithmic and trigonometric tables.

Additional credit. ½ or 1 unit for work in algebra, trigonometry, surveying, or other mathematics; total credit not to exceed 4 units.

HISTORY, CIVICS, AND ECONOMICS

HISTORY. 1, 2, 3, or 4 units. History may be offered in the following blocks of 1 unit each: ancient, ancient and medieval, European to approximately the end of the 17th Century, medieval and modern, modern European, English, United States. One, two, three, or four blocks may be presented. A real equivalent may be presented in place of a recommended block, but a one year's course in general history will not be accepted.

CIVICS. ½ or 1 unit. This may comprise the study of government in its

relation to either the local community or the nation, or both. It may be combined with history or economics in the construction of an elective unit.

ECONOMICS. ½ unit. A knowledge of the fundamental principles of economic science as presented in a good elementary treatise.

SCIENCE

BIOLOGY. 1 unit. This course should include plant biology, animal biology, and human biology or physiology. The course should include demonstrations by the teacher and individual laboratory work on part of pupils. Biology should be upon the same basis as physics and chemistry.

BOTANY. 1 unit. A study of the life histories of types from the main groups of plants, with a series of simple physiological experiments. At least two-thirds of the course should consist of laboratory work. If it is impracticable to give a full year's work to the subject, botany may be combined with physical geography, physiology, or zoology to construct units.

CHEMISTRY. 1 unit. A study of the more common elements and their compounds. This course should include about four or five actual hours of work a week in the laboratory, and two or three periods a week in the classroom throughout the year. Two laboratory periods are considered as equivalent to one class exercise. A laboratory notebook must be kept.

PHYSICS. 1 unit. Not less than three classroom periods a week, and not less than four actual hours of work a week in the laboratory. A record of all work done should be kept in a notebook. Any standard textbook may be used.

PHYSICAL GEOGRAPHY. 1 unit. To include: (1) The principles as presented in the best recent textbooks, which give adequate treatment of the atmosphere and ocean, and emphasize the development and influence of topographic forms. (2) Field study adapted to the locality; every candidate must submit a statement of the field trips taken by him. (3) The interpretation and habitual use, in the laboratory, of topographic maps, weather maps, charts, and pictures. If it is impracticable to give a full year's work to the subject, physical geography, botany, physiology, and zoology may be combined to construct units.

PHYSIOLOGY. ½ unit. Human anatomy, histology and physiology, and the essentials of hygiene. The textbook work must be illustrated by charts and models, and supplemented by anatomical demonstrations and chemical experiments.

ZOOLOGY. 1 unit. Laboratory work (at least two-thirds of the course), with careful description and drawings. Class exercises may be based on any standard textbook.

FOREIGN LANGUAGE

GREEK. 1, 2, or 3 units. First unit, grammar and elementary book; second unit, Xenophon's *Anabasis,* four books; Greek composition; third unit, Homer's *Illiad,* six books, or an equivalent amount of the *Odyssey;* Greek composition.

LATIN. 1, 2, 3, or 4 units. First unit, grammar and elementary book; second unit, *Caesar,* books, I-IV; third or fourth units, *Cicero,* six orations (selections from the letters may be substituted for two orations); or *Virgil,* six books; composition, preferably in connection with *Caesar* and *Cicero.* These require-

ments are planned with special reference to the needs of those candidates who purpose continuing the study of ancient or modern languages or of history. Real equivalents will be accepted for any part of these requirements, such as Rolfe and Dennison, *Latin Reader,* or Sanford-Scott, *Second Latin Book.*

GERMAN. First unit. (a) Correct pronunciation; (b) grammar equivalent to Manfred's *Ein praktischer Anfang* (23 lessons), Spanhoofd's *Elementarbuch* (24 lessons), or Bacon's *New German Grammar* (50 lessons); (c) about 50 pages of easy prose; (d) ability to translate from German into English and vice versa, and to answer simple German questions in German.

Second unit. (a) Fluent pronunciation; (b) elementary grammar completed; (c) about 75 of the more usual strong verbs; (b) 200 pages of reading, chiefly modern prose, but including simple poems and possibly a short play.

Third unit. (a) Further grammar and syntax study; (b) at least 200 pages of prose and verse, partly as outside reading reported on for content only; (c) constant oral and written practice.

Fourth unit. (a) At least 400 pages of standard literature in prose and verse, partly as outside reading as above; (b) increasing attention to literary appreciation and biographical and historical background; (c) ability to understand ordinary modern German texts, to write simple topics relating to them, and to converse on them in German; (d) ability to follow recitations conducted in German.

FRENCH. First unit. (a) The elements of grammar as found in the first part of usual French grammars; (b) about 100 pages of simple French, with emphasis on correct pronunciation.

Second unit. (a) A review of the grammar covering all the most common irregular verbs; (b) 200 pages of simple French.

Third unit. (a) At least 400 pages of French chosen from nineteenth century classics; (b) considerable work in oral and written composition.

Fourth unit. One year of work, including: (a) at least 500 pages of classic and modern French literature; (b) ability to write a short French composition and to show understanding of a simple lecture in French by answering questions upon it in the same language.

For detailed information as to grammars, texts, etc., see *A Four-Year High School Course in French,* copies of which may be obtained on application to the Department of Romance Languages.

ITALIAN. First unit. (a) The elements of grammar; (b) 200 pages of easy Italian, with emphasis on correct pronunciation. Second unit. (a) Correct pronunciation; (b) ability to translate freely simple Italian texts; (c) an accurate knowledge of the grammatical principles of the language, and of its regular verbs; (d) about 500 pages of text.

SPANISH. First unit. (a) The elements of grammar; (b) 100 pages of easy Spanish, emphasis on correct pronunciation. The work in grammar should be approximately that found in any standard Spanish grammar. The student should be taught the Castillian pronunciation.

Second unit. (a) Correct pronunciation; (b) ability to translate freely simple Spanish texts; (c) an accurate knowledge of the grammatical principles of the language, and of its regular verbs; (d) about 300 pages of text.

Third unit. (a) At least 400 pages of Spanish chosen from nineteenth century authors; (b) considerable work in oral and written composition.

Fourth unit. One year of work including: (a) at least 400 pages of modern Spanish literature; (b) ability to write Spanish composition and to show understanding of a simple lecture in Spanish by answering questions upon it in the same language.

For detailed information, see pamphlet entitled *A Four-Year Course in Spanish,* issued by the Department of Romance Languages.

NORSE. First unit. (a) Grammar and exercises equivalent to Holvik's *Beginner's Book in Norse,* or Michelot's *First Year Norse;* (b) 100 pages of text of the grade of Björnson's *En Glad Gut.* Second unit. (a) A review of the grammar; (b) 200 pages of prose and verse, equivalent in grade to Holvik's *Second Book in Norse* and Ibsen's *Terje Viken.*

HEBREW. First unit. (a) Correct pronunciation and principles of Hebrew phonetics; (b) grammar, the equivalent of Harper's *Elements of Hebrew* as prescribed in Harper's *Introductory Hebrew Method and Manual,* first 25 lessons (through the regular verb); (c) reading of the first four chapters of Genesis or an equivalent amount of simple historical prose; (d) translation of simple English sentences into Hebrew.

Second unit. (a) Completion of the *Elementary Hebrew Grammar* covering the irregular verbs and nouns with suffixes (completion of Harper's *Method and Manual*); (b) the reading of about 50 pages of simple Hebrew prose; (c) ability to translate into Hebrew ordinary English prose, and to read at sight historical Hebrew like the narrative portions of *Judges* or *Samuel,* when new words are given.

ART AND VOCATIONAL SUBJECTS

Owing to the present state of development of fine and applied arts and the vocational subjects in the high-school curriculum, requirements in these subjects are not defined. The acceptance of work for admission will be based upon a special inspection, and the approval of courses will depend primarily upon adequate equipment and efficiency of instruction.

AGRICULTURE. Plant production, agricultural chemistry, soils, 1 or 2; animal husbandry, 1; rural economics, farm management, and farm mechanics, 1½.

COMMERCIAL WORK. Bookkeeping, 1 or 2; shorthand and typewriting, 1-3; commercial arithmetic, ½; commercial law, ½; commercial geography, ½; business organization, salesmanship, and office practice, each ½ unit if taken during the last two years.

DRAWING, ART, AND DESIGN. 1-4 units. Art, to include freehand drawing, light and shade, color rendering, and perspective, 1 or 2; principles of design including application in line, form and color, 1 or 2; crafts with correlated design, 1 or 1½.

DOMESTIC ARTS. Textiles and clothing, 1 or 2.

DOMESTIC SCIENCE. Food study, 1 or 2.

MANUAL ARTS. Mechanical drawing, 1-4; shop work, 1-2; freehand drawing and design, 1-2; mechanical drawing and shop, 1-4.

MUSIC

A maximum of four units of entrance credit in music may be allowed, when taken under the conditions stipulated by the University School of Music.

HISTORY AND APPRECIATION OF MUSIC. 1 unit; five periods per week for one year. A non-technical presentation of those fundamentals of form and design essential for intelligent listening to music, together with a brief historical account of the development of music which will aid in giving perspective to musical understanding. The course should consist of assigned reading, prepared topics, analysis of typical examples, class projects, musical participation, and much *discriminative* listening. To conduct this course successfully, there must be available adequate reference material. Also, for purposes of musical illustration, there must be an excellent phonograph and, if possible, a player-piano, with an adequate supply of acceptable records, rolls, and scores.

THEORY AND HARMONY. 2 units only; five periods per week for two years. The course aims in the first year to provide the student with:

a) Theoretical knowledge of music symbols, terminology, intervals, key signatures, rhythms, and elementary chord structure, and a thorough knowledge of major and minor scales.

b) Ear-training, sight-singing, and dictation (laboratory work).

c) A knowledge of tone relationships with respect to rhythm, melody, harmony, and design.

In the second year the course should begin with simple triads and continue through cadences and sequences up to the dominant seventh chord. The purpose is:

a) To provide a stimulus for the creative impulses of the student, rather than to serve merely as musical grammar.

b) To develop a capacity for harmonic analysis essential for sound musicianship.

The work should consist of both paper and key-board application of all chords and progressions studied.

CHORAL MUSIC. ½ unit per year; five laboratory periods per week. This course contemplates choral study in small groups where it will be possible to pay attention to voice training and to the development of individual skill in singing. Sight-reading ability is prerequisite. The material studied must be selected from the standard choral literature and the course must be planned in such a manner that a systematic development of both skill and appreciation will result. In addition to the finished performance of typical examples of choral literature, opportunity should be provided for becoming acquainted with a wide range of the best choral literature.

ORCHESTRA. ½ unit per year; five laboratory periods per week. The basis for recognition of credit by the University is:

1) The instrumentation shall be such that constructive orchestral development is possible.
2) Instructors must have had sufficient practical training to satisfactorily carry on such work.

The following minimum instrumentation is essential: two first violins, two second violins, one viola, one cello, one bass, one flute, one clarinet, one oboe, one bassoon, one trumpet (or cornet), one trombone (valve or slide), two French horns, percussion; piano is optional.

In augmenting this group, the strings may first be greatly increased, with attention, however, to proportional increases in violas, cellos, and bases; then second clarinet, second trumpet, second bassoon, second oboe, second and third trombones, third and fourth French horns, and second flute may be added.

The music played by such a group may be simple but must be musically worth while. Perfect intonation, good tone, accuracy of reading, and expressive performance are the ends sought. The above minimum instrumentation is sufficiently complete for the characteristic qualities of the various choirs to be realized and on this basis the adequate performance of the literature of the symphony orchestra may be approximated.

BAND. ½ unit per year; five laboratory periods per week. In order that credit for band may be accepted by the University, the following minimum instrumentation is necessary: six B-flat clarinets, one flute and piccolo, one bassoon, four cornets or trumpets, one baritone, two trombones, two tubas (preferably E-flat and BB-flat), two French horns in F or E-flat, and two percussion. Instruments may be added in the following order: two B-flat clarinets, two additional French horns, one trombone, one E-flat clarinet, one alto clarinet, one bass clarinet, two trombones, and four saxophones (B-flat, E-flat, tenor, and baritone). With such an instrumentation, music of a symphonic character is possible. Tone intonation, accuracy, and skill in reading, and expressive performance are the ends to be obtained. It should be a fundamental conception that the band is organized essentially as a musical organization rather than for utility purposes.

APPLIED MUSIC. Maximum of 2 units. Written application must be made in duplicate by the pupil, with the countersignature of the parent, to the principal of the high school not later than the second week of the school year, requesting permission to take applied music for a specific amount of credit with a private teacher properly accredited by the State Department of Education. When approved by the principal, one copy of the application should be signed and retained for the school office, and the other copy signed and returned to the student, who will present the approved application to the accredited private instructor when registering with such instructor for work with credit. The teacher shall submit to the principal, on a form provided by the school, a monthly report of the work done by the pupil. At the close of each semester, each pupil taking applied music for entrance credit to the University of Wisconsin shall be examined by a person selected by the principal from a list prepared by the University School of Music. The nature and the scope of each examination shall be determined by the University School of Music.

METHODS OF ADMISSION

There are four general methods by which admission to undergraduate standing in the University may be secured:

1. By presenting a certificate of graduation from an accredited high school.
2. By submitting evidence of studies successfully pursued in another institution of higher learning.
3. By passing entrance examinations.
4. By qualifying as an adult special student.

Prospective freshmen and adult special students may learn at any time of year by corresponding with the University Registrar whether or not they have the necessary qualifications for admission and upon what basis they may be admitted. Prospective students who have had some college work should correspond with the Advanced Standing Committee. Students may enter the University at the opening of either semester or of the summer session, but all credentials should be filed sufficiently in advance of the date chosen to permit the proper authorities to pass upon them and to issue the necessary certificates of admission. Candidates for admission in September are responsible for having their credentials filed by the first of August. The credentials must in every case include a complete record of all previous secondary school and advanced work.

ADMISSION UPON CERTIFICATE

WISCONSIN SCHOOLS

Graduates of accredited high schools may enter the University, without examination, upon presentation of a certificate showing the satisfactory completion of the fifteen required units and bearing the recommendation of the principal. Only the form prepared by the University is acceptable, a supply of which may be obtained from the Registrar by the principal. The completed certificates should be returned to the University before August 1.

Principals of accredited schools are requested to note the statement on page 44 regarding the examination of freshmen in English. A similar examination in algebra is given to freshmen in the College of Engineering.

Graduates of four-year non-accredited schools in Wisconsin who have satisfied the full requirements for admission to the University may be admitted on probation, without examination, upon recommendation of the principal.

Any high school or academy in the state whose course of instruction covers the branches required for admission to the University may be admitted to its accredited list of preparatory schools after a satisfactory examination by a committee of the Faculty. Upon application made by an officer of any high school or academy in the state to the Chairman, Committee on High-School Relations, the University will examine the school with reference to placing it upon its accredited list of preparatory schools. The examination, which will be conducted by a committee of the Faculty, will cover the course of study and methods of instruction in the school. No school can be placed upon the list whose course of study is not fully equal to the four-year course of high schools recommended by the State Superintendent.

Any high school or academy with a complete four-year course whose course of instruction does not include foreign language may be admitted to the accredited list under the conditions stated above, provided its course of instruction covers fifteen units in the subjects accepted for admission to the University.

The University desires to keep fully informed regarding the work of its accredited schools by means of annual reports and frequent inspections. Every accredited school is required to report each year concerning its teachers, course of study, methods of instruction, and material equipment. Forms are furnished by the University for this purpose. The University sends out inspectors at its own expense and at the convenience of the members of the staff. Especial attention is called to the necessity of promptly notifying the Chairman of the Committee on High-School Relations of changes in the date of examinations and vacations. The list of accredited schools will be published near the end of the academic year; it will be sent to all accredited schools and to all high schools in the state. Copies may be obtained from the Chairman of the Committee on High-School Relations.

SCHOOLS OUTSIDE WISCONSIN

1. Graduates of secondary schools outside Wisconsin, included in the current list of accredited schools of the North Central Association, may be admitted when recommended and certified by the principal as indicated above, provided the minimum admission requirements of the University be fulfilled. The grades should average *fair* or above.

2. Graduates of other secondary schools outside Wisconsin may be admitted when properly recommended and certified, provided: (a) That the school maintains, on the basis of regular inspection, accredited relationship with the state university, or other university within the state included in the membership of the Association of American Universities. The state university must maintain the same standard of admission requirements as those institutions belonging to the Association of American Universities. (b) That the minimum admission requirements of the University of Wisconsin be fulfilled as to both number of units and character of work. In such cases the character of the work submitted shall be interpreted to mean an average standing of *good*.

Credentials properly certified by the principal on forms provided by the University should be submitted for approval before August 1.

DEFICIENCIES IN ENTRANCE REQUIREMENTS

Graduates of secondary schools who fail to secure the recommendation of their principals because of low grades will be required to take entrance examinations in those subjects in which they are deficient. A deficient grade is one of 77 or lower when 70 is the passing grade of the school, or 81 or below on the basis of 75 as passing.

Graduates of schools which have established a "recommending grade" will be required to take entrance examinations in those subjects in which they failed to receive this recommending grade.

Graduates who do not have the required fifteen units will take entrance examinations in those subjects in which they lack credit.

Entrance examinations are given three times a year, in September, February, and June, as specified in the calendar; no special examinations are given. Those who are likely to be required to pass entrance examinations in order to gain admission will do well to correspond with the Registrar as soon as possible, so that they may be informed early of their deficiencies and thus have ample time to prepare themselves for examination. There is likely to be less severe disappointment if candidates take the examinations in February or June since, if rejected, they still have opportunity to seek admission to some other institution.

Graduates of accredited schools whose academic subjects average less than 77with 70 as the passing grade of the school, or less than 81 with 75 as passing, are urged not to apply for admission to the University because their chances for success in college are slight. If they are admitted it will be only on probation.

ADVANCED CREDIT

Advanced credit for high-school work may be granted to students with satisfactory average standing who present more than fifteen units acceptable for admission, provided: (a) the subjects in which advanced standing is sought are the general subjects accepted for admission to the University; (b) the work is as advanced as work given in the freshman year; (c) the course for which credit is desired be approved by the chairman of the department; and (d) the student passes a satisfactory examination at least two hours in length, held at the University before or during the Christmas recess. No advanced credit will be given for work in language unless it be in excess of six units of language offered for admission, nor will advanced credit be given for less than three semester hours.

ADMISSION WITH ADVANCED STANDING

Applicants for admission who have had any work whatsoever in another institution of higher learning, regardless of whether or not they wish to receive credit for it, must submit complete credentials of both their high-school and "college" work, as defined above, to the proper authorities of the specific college which they desire to enter, and not to the University Registrar. For the College of Letters and Science and its subordinate schools, as well as the Law and Medical Schools, records should go to the Chairman of the Advanced Standing Committee; for the College of Engineering, to the Dean; for the College of Agriculture, to the Assistant Dean. All such transcripts should be sent at least six weeks preceding the opening of the session the student desires to enter.

Not more than one-fourth of the number of credits required for a four-year course will be given for a single year's work in another institution. This maximum will be given only when the student makes an average of C or better during his first or second semester at Wisconsin. At least the senior year's work (30 credits and 30 grade-points) must be earned in residence at Wisconsin, and students can therefore expect at least not more than three years of advanced standing on transfer.

WISCONSIN NORMAL SCHOOLS

Graduates of the two-year departmental courses in the state normal schools who have actually completed two years' work in normal school, who were previously graduated from four-year high-school courses, and who are entitled to unlimited state certificates, will, upon the presentation of their high-school and normal-school transcripts, be admitted to the junior year in the Ph.B. Course for Normal-School Graduates, provided they are able to finish the work for the degree by August, 1932. Those who will not have secured this degree by that time will be transferred to and must meet the requirements of one of the two general courses (B.A. or Ph.B.)

All other normal-school records are evaluated on the same basis as those from colleges and universities.

NORMAL SCHOOLS OUTSIDE WISCONSIN

Graduates and students of normal schools of other states will be admitted to the University with such advanced credit as their previous work entitles them to, except that no credit will be given greater in amount than that granted to graduates of any normal school by the state university of the state within which the normal school is situated. In addition to the normal-school certificate and the certificate of high-school work completed, such graduate or student must present an official statement from the university of the state in question as to the amount of advanced credit that would be given for the work so completed.

COLLEGES AND UNIVERSITIES

Students from accredited colleges and universities who have pursued college courses equivalent to those of the University of Wisconsin with an average standing of at least C on an A-B-C-D passing-grade basis and who have been granted honorable dismissal from their former institution, may be admitted to the University. In the general course of the College of Letters and Science, freshmen are limited in their elections to English composition, foreign language, history, mathematics, natural sciences, and drawing. Students who wish to receive full credit for their freshman year at other colleges should, therefore, make up their programs from these subjects. Studies not open to freshmen at Wisconsin, such as education, political science, philosophy, public speaking, and sociology, will not be credited if taken in the freshman year at another institution. Former students of other institutions can not be received as freshmen on the basis of their preparatory records.

ADMISSION TO THE SUMMER SESSION

Unless a student wishes to work for a degree at the University of Wisconsin it is not necessary to submit a transcript of work completed elsewhere when entering the summer session. Neither is it necessary to file a transcript in case the student wishes to apply the credits earned in courses pursued at Wisconsin toward a degree at some other institution. However, those entering the Law School or the Graduate School must submit their records, regardless of their intention of securing a degree.

ADMISSION UPON EXAMINATION

Applicants for admission who have not been graduated from a secondary school may be admitted to the University upon passing entrance examinations in the required number and kinds of units as specified above. These examinations are given three times a year, in February, June, and September, on the dates indicated in the calendar; no special examinations of any sort are given. All candidates are expected to correspond with the Registrar before presenting themselves for examination, and all must be present at 9 o'clock on the first examination day. Candidates may divide the subjects and take the examinations in two trials, but failure to pass all the subjects in two trials will necessitate complete re-examination. The Registrar will furnish, upon request, information as to the character of the examinations.

In general, it is preferable for prospective entrants to submit to examination in February or June rather than in September, since failure at the latter date may result in a sudden change of plans at the very outset of the academic year.

These admission examinations are also open to high-school graduates who may be deficient in certain subjects and who therefore are unable to take full advantage of the certificate plan of admission.

ADMISSION ON THE ADULT SPECIAL BASIS

Citizens of Wisconsin, twenty-one years of age or over, who do not possess all of the requirements for admission and who are not candidates for a degree, may be admitted to the College of Letters and Science or the College of Agriculture upon giving satisfactory evidence that they are prepared to take advantageously the studies open to them. Such students are normally required to select their studies only from courses open to freshmen. If they desire to take a study to which only advanced students of these colleges are regularly admitted, they must show special preparation or aptitude for such course. This privilege of admission is granted in the College of Engineering only to students who are able, on examination, to meet all the entrance requirements in mathematics or who have completed their preparatory mathematics in the Extension Division of the University and present a certificate therefrom, duly approved by the chairman of the Department of Mathematics. The privilege of admission on the adult basis is rarely granted in the Law School and then only to students who can meet the regular entrance requirements to the College of Letters and Science.

Candidates applying for admission on the above basis are required to present to the Registrar in advance of their coming an official detailed statement of their preparatory studies for evaluation and approval.

Students will not be admitted, save in exceptional cases, directly from the secondary schools to the status of adult specials; nor will graduates of accredited schools be permitted to enter as adult specials, since they are required to qualify for regular matriculation.

Before beginning their third year, students admitted on the adult basis must have fully satisfied all entrance requirements. When all entrance requirements have thus been absolved, such students may continue work in the University, will receive regular classification, and may be accepted as candidates for a degree.

PART IV—THE COLLEGES

COLLEGE OF LETTERS AND SCIENCE

G. C. Sellery, Dean

I. COURSES OF STUDY OFFERED

There are two general courses in the College of Letters and Science: one leading to the degree of Bachelor of Arts, in which foreign language is a required study; the other leading to the degree of Bachelor of Philosophy, in which other required studies take the place of foreign language in whole or in part. The requirements in these courses are stated beginning with page 61.

The following special courses are also offered, as described on the pages indicated:

Leading to the Degree of Bachelor of Arts

Course in Commerce, page 81 (School of Commerce)
Course in Humanities, page 75.
Course in Journalism, page 113 (School of Journalism)

Leading to the Degree of Bachelor of Science

Course in Applied Arts, page 99 (School of Education)
Course in Chemistry, page 68.
Chemistry-Commrece Course, page 72.
Course in Industrial Education, page 98 (School of Education)
Medical Science Course (see Medical School Bulletin)
Course in Nursing (see School of Nursing Bulletin)
Pharmacy Course, page 76.
Course in Physical Education and Athletic Coaching for Men, page 104 (School of Education)
Course in Physical Education for Women, page 105 (School of Education)

Leading to the Degree of Bachelor of Music

Course in Music, page 125 (School of Music)

Leading to the Degree of Bachelor of Philosophy

Course for Normal-School Graduates, page 67.

II. GENERAL REGULATIONS

1. ADVISERS

Upon being admitted to the University, each student is assigned to a member of the faculty who acts as his adviser during the freshman and sophomore years. The duties of the adviser are to assist the student in selecting his sub-

jects so as to secure a well-rounded education, as well as to aid him in interpreting the requirements and to oblige him to meet them in their proper sequence. The responsibility for the selection of courses rests, in the final analysis, upon the student and it is not the province of the adviser to refuse approval of a course which the student is entitled to elect. Similarly, it is the primary duty of the student to meet the requirements of his course in their proper order, so that he may not, in his senior year, find himself unable to graduate. At the beginning of the junior year, when the student has selected his major study, a member of the department in which his major is located becomes his adviser. At the opening of each semester the student is required to consult his adviser concerning his choice of studies, and the adviser must approve the student's elections before he is permitted to enter classes.

2. CREDITS AND POINTS

CREDITS. The *credit* is the unit for computing the amount of work required for graduation. It is assigned to one hour of class or lecture work or to two or three hours of laboratory work per week for one semester, together with the accompanying study. Students in the general courses are expected to secure an average of 15 credits per semester in recitation, lectures, and laboratory work, making 30 credits per year, and 120 for the four-year course. 120 grade-points also are required for graduation, as explained in the following section.

Each student in one of the general courses is required to take class and laboratory work to the amount of 14 to 16 credits per semester, and also physical training or military science until this requirement is absolved. A student who desires to elect fewer than 14 credits must secure permission in advance from the Dean. A student who has received a grade of B in *each* subject of the preceding semester may take not to exceed 18 credits. No student will be permitted to receive toward graduation more than 18 credits in one semester, exclusive of required military science or physical education.

Candidates for the bachelor's degree who desire to graduate in three years may usually do so by obtaining 17 or 18 credits per semester after the first semester of the freshman year, and by attending three summer sessions. Students will need to select carefully their work for the summer with reference to the required and elective studies of the course in which they expect to graduate. A student who expects to shorten his course in this way will necessarily consult with his adviser very carefully before selecting his studies.

A student in any course requiring 120 academic credits for graduation must secure 60 grade-points and at least 60 credits in order to absolve the academic requirements of the first half of his four-year course, and *thereafter* must secure 60 grade-points and at least 60 credits in order to absolve the academic requirements of the second half of his four-year course. In other words, the credits in excess of 60 required to secure the 60 grade-points necessary for the first half of the four-year course will not be counted toward graduation. A student in any course requiring more than 120 academic credits for graduation must similarly secure half his grade-points and at least half his credits in order to absolve the requirements of the first half of his four-year course, etc.

3. ATTENDANCE

Students are required to be present at the opening of the semester and to remain until the exercises of the semester are finished. It is expected that every student will be present at all of the exercises at which he is due. If at any time a student is absent, he must satisfy his instructors that such absence is for good and sufficient cause. Any student who is absent from any class immediately preceding or following Thanksgiving day or the Christmas or spring recess without an excuse acceptable to the Junior Dean will be excluded from the semester examinations in those studies from which he was absent and will be required to write special examinations during the following semester. This rule also applies to absences at the opening of the second semester.

4. PHYSICAL EDUCATION AND MILITARY SCIENCE

Freshman and sophomore women are required to take three hours of physical training a week for a total of four semesters. Similarly, every male freshman and sophomore is required to take three hours of work a week in either physical education or military science for a total of four semesters, the choice to be indicated on the student's program of studies each semester. Normal-school graduates, students who enter with junior standing, and students who are physically disabled, as certified by the Department of Student Health, are exempt from both physical education and military science. Students who desire exemption from the physical education-military science requirement must make application to the proper authorities at the opening of the academic year; no freshman or sophomore is automatically exempt.

Students entering from schools where they have had the basic ROTC course may take the advanced course in the freshman year in fulfillment of the general option in military science, but without academic credit; or they may elect physical education. In the sophomore year the advanced course may be elected for academic credit as well as in fulfillment of the requirement. If one of the advanced courses in military science is elected, it must appear on the student's election card in the same way as any other regular subject and juniors and seniors must include it in the maximum number of credits permitted.

5. TRANSFERS

Students transferring from special courses, e. g., chemistry or premedical, or from another college of the University, to one of the general courses, will receive no more than 15 credits a semester toward graduation for work already done, except in semesters in which all standings are B or above, when the maximum is 18 credits. They will not receive credit for technical studies of another college, except to the amount and under the conditions stated under election of studies in other colleges, section 8 below. Students transferring are in general required to remove a condition or failure incurred in any subject in their former college, provided they can credit the subject in question in this college. If it is one which cannot be credited in this college, the condition or failure will be declared equivalent to a "free elective" by the Executive Committee, on application, after the student has done a semester's satisfactory work in this college. These regulations are applied similarly to transfers within this college. Doubtful cases should be referred promptly to the Executive Committee.

6. RESIDENCE REQUIREMENTS

The minimum residence requirement is 30 credits and 30 grade-points, to be earned in at least two semesters at Madison (or six summer sessions, in no one of which may less than four credits be carried). All the requirements of the major subject must be met, including at least 15 credits and 15 grade-points in advanced work at the University.

All candidates for degrees must expect to take their senior year in residence. They are not permitted to take the advanced work of the major study or the thesis in another institution nor by correspondence, since these studies normally culminate in the last year of the undergraduate course. In special cases the Executive Committee of the College, on application to the Dean, may permit a senior who has finished all the specific requirements and the work of his major and thesis, to take not to exceed 6 credits in correspondence courses to complete the requirements for his degree.

7. DEFICIENCIES

FAILURES. In general, a student who has failed in a course which he must pass in order to graduate must repeat it in class as soon as the study is repeated in the university schedule, but students in this college are required to repeat failures only in the case of courses chosen to satisfy specific requirements for a degree, a teachers' certificate, a major subject, or a special course. A failure cannot be made good by correspondence study nor in another institution.

Failures in courses which carry credit toward the student's major must be removed in the regular way even though the minimum requirements of the major have already been satisfied. *It is the rule, moreover, that a course, once elected, which will meet a requirement thereby becomes a requirement,* so far as this regulation is concerned, and a student does not escape the operation of this rule by changing his course or major. *Finally, a senior incurring any failure in his last semester of residence must remove the failure in the regular way.* Seniors registered for graduate credit have the same obligations as other seniors in the matter of incompletes, conditions, and failures.

The foregoing exemption applies also to eligibility regulations, i. e., a student who has a failure on his record shall be eligible to participate in extracurricular activities, (a) when he shall have repeated the course with a satisfactory grade, (b) when he shall have satisfactorily completed, in a subsequent semester or summer session, another course approved as a substitute by the Executive Committee, or (c) when, in case the failure is in a course certified to the Registrar by the Dean to be a free elective, he shall have completed a subsequent semester of satisfactory work on a full program.

CONDITIONS. A condition must be made good by passing a special examination during the student's next semester of residence following that in which the condition was incurred, or it becomes a failure, which must be removed as specified in the preceding section. If a student repeats in class a subject in which he has incurred a condition, he is excluded from taking the candition examination and must complete the subject in the regular way. Former students not in residence are permitted to enter condition examinations only in case they left the University in good standing. No grade-points are awarded for conditions made good.

The usual way of removing a condition is by a successful final examination taken on the day fixed by the rules. If, however, in a course involving both laboratory and classroom work, the condition has been incurred on account of unsatisfactory laboratory or report work, it may be removed by absolving such substantial requirements as the instructor in charge of the course may prescribe. The removal of this type of condition will take effect on the official date for the removal of conditions. When a condition in such a course becomes a failure, the student may pass the course by repeating that portion of it (laboratory or classroom work) in which the condition was originally incurred, provided the instructor in charge authorizes this arrangement in advance.

INCOMPLETES. Incompletes are given to students who have carried a course successfully until near the end of the semester and have then been compelled to quit work on account of illness or other causes beyond their control. Incompletes are not given to students who stay away from examinations unless they prove to the instructor that they were prevented from attending as indicated above. In default of such proof they will be failed or conditioned; even with such proof, if their term work has convinced the instructor that they cannot pass, they will usually be failed or conditioned. A study marked incomplete must be completed during the first semester of the Student's residence at the University following that in which the study is taken. If not so completed, it will lapse into a failure unless the time for finishing it has been extended by the Executive Committee. A student may not graduate with an incomplete in a course taken in the second semester of his senior year.

8. ELECTION OF STUDIES IN THE COLLEGES OF AGRICULTURE AND ENGINEERING

Candidates for the degrees of B.A. and Ph.B. (General Course) are allowed to elect in the College of Engineering and the College of Agriculture studies in an amount not exceeding 20 credits. The conditions under which these studies may be taken are as follows:

(a) Before he shall be eligible to elect studies in these colleges the candidate must have completed the work of the freshman and sophomore years of the College of Letters and Science, including those studies which normally come in the freshman and sophomore years at Wisconsin. This means, in the case of a candidate for the B.A. degree, that the student must have 58 credits and 58 grade-points, and must have completed his two years of English, two of the three requirements in history, mathematics, and science, and four semesters of foreign language *in college* unless the B.A. requirement has been completed earlier, before he may enjoy the privileges of this rule. (See section 18 below.) Candidates for the degree of Ph.B. (General Course) must have been equally industrious in completing requirements of their course; in particular, they must have completed their English and 20 credits in science and mathematics (requirement *b*), together with one of the options under requirement *c*. (See section 21 below.)

(b) Studies in these colleges may be elected only by students who are to spend at least two full years in residence at the University before receiving the bachelor's degree. Hence they may not be elected by students from other institutions who enter the University with more than half the credits required for

graduation nor be credited by students who through correspondence study reduce the amount of attendance at the University below two years.

(c) Certain courses, intended primarily for students of other colleges but offered by departments of the College of Letters and Science (e. g. Math. 51, Physics 51, etc.), are open in the same way as courses intended primarily for students of the College of Letters and Science.

(d) Not more than 5 of the 20 credits may be secured in either semester of the junior year.

(e) Elections must be approved by the Dean of the College of Letters and Science. Such approval will be endorsed on the election card in each case in advance, and on the student's permanent record in the registrar's office. Courses which are parallel to Letters and Science courses will be approved only for special cause. Courses which involve a large manual or routine technical element will ordinarily be approved only as extras. Special consideration, however, will be given to programs directed to a definite educational end.

9. ELECTION OF STUDIES IN THE LAW SCHOOL

(a) Candidates for the degree of B.A. and Ph.B. (General Course) who satisfy the conditions of section 8, paragraphs (a) and (b) above, may count courses taken in the Law School of this University as free electives toward either of these degrees in an amount not exceeding 26 credits; provided that the total of all electives from outside this college which may be credited by such students shall not exceed 20 credits unless all are restricted to the Law School.

(b) Candidates for the degree of B.A. and Ph.B. (General Course) who were admitted to the Law School of this University as regular or unclassified students before they had satisfied the conditions of section 8, subsections (a) and (b) above, will be allowed to count 15 law credits or less as free electives toward either of these degrees; provided that the total of all electives from outside this college which may be credited by such students shall not exceed 20 credits; and provided further that they must secure at least 40 credits, acceptable toward such degrees, in residence in this college.

10. ADMISSION TO THE LAW SCHOOL

Students who have completed the work of the first two years of the College of Letters and Science, as defined in section 8, paragraph (a) above, are eligible for transfer to the Law School as regular students. Beginning January 1, 1929, three years of liberal arts preparation will be required for admission to the Law School.

11. UNIVERSITY TEACHERS' CERTIFICATE

In accordance with the statutes of Wisconsin, certificates are issued to all graduates of a regular college course who complete the course in pedagogical instruction prescribed by the University. This certificate, when presented to the State Superintendent of Public Instruction, entitles the holder to receive a license to teach in any public school in Wisconsin for one year, renewable for a second year after one year of successful experience. Graduates who present satisfactory

evidence of good moral character and of two years of successful teaching in the Wisconsin public schools after graduation are entitled to receive from the State Superintendent an unlimited state certificate. See page 87.

12. HONORS IN SCHOLARSHIP

Sophomore honors are awarded on the basis of a minimum of two full years of work (not less than 60 credits) completed in residence in the University. A student securing during these two years 135 grade-points, plus 1.5 grade-points for each credit above 60 required in his course, will be awarded Sophomore Honors; a student securing during these two years 165 grade-points, plus 2 grade-points for each credit above 60 required in his course, will be awarded Sophomore High Honors.

Senior honors are awarded on the basis of the academic requirements for the second half of any four-year course, all of which have been completed in residence at the University. A student securing 135 grade-points, plus 1.5 grade-points for each credit above 60 required in his course for completing the second half, will be awarded Senior Honors; a student securing 165 grade-points, plus 2 grade-points for each credit above 60 required in his course for completing the second half, will be awarded Senior High Honors. This rule will not be construed so as to bar any student from securing Senior Honors who has been permitted to carry *more* than the minimum number of credits during the first two years of his course and *less* than the minimum during the last two years.

Honors in the major may, upon recommendation of the department, be granted at graduation to any student who has done superior work in his major and who has passed with distinction a comprehensive examination on the work offered for his major. Students doing all their work in course, as well as those doing it partly in course and partly outside of course, shall, with the approval of the department, be eligible for such examination and honors.

Thesis honors are granted for an exceptionally fine or original thesis, without consideration of the student's record in other work.

The names of students awarded sophomore honors are bulletined in Bascom Hall; those of students awarded senior and thesis honors and honors in the major are published in the Commencement Register.

III. REQUIREMENTS FOR THE GENERAL COURSES

LEADING TO THE DEGREES OF BACHELOR OF ARTS AND BACHELOR OF PHILOSOPHY

13. CLASSIFICATION OF STUDENTS

RANK. A student must have 25 grade-points and at least 25 credits before he may be classified as a sophomore; 58 grade-points and at least 58 credits before he may be classified as a junior; and 88 grade-points and at least 88 credits before he may be classified as a senior.

UPPER AND LOWER GROUPS. At the close of the sophomore year all students in the College of Letters and Science are provisionally divided into two groups on the basis of grade-points earned during the freshman and sophomore years. Students who have earned at least 50% more grade-points than credits

by the end of the sophomore year (or at any subsequent time) are designated as upper-group students. A student's upper-group status continues throughout the remainder of his college course as long as the total of all grade-points earned in college is 50% greater than the total number of credits earned. At the discretion of departments, upper-group students are eligible for more advanced work than other students, but they must comply with the thesis requirements for graduation. For other students the thesis requirement is optional with the major department.

ADVANCED STANDING. Students transferring to the University of Wisconsin from other institutions with from 45 to 90 credits shall be regarded as upper-group students after they have completed one semester of work at this University, provided they have earned during this period 50% more grade-points than credits.

14. MAJOR STUDY

At the beginning of the sophomore or the junior year every candidate for these degrees will normally select his major subject in one department of the College of Letters and Science. This department prescribes the manner in which the work of the major shall be completed, as stated in connection with the announcement of courses offered by the several departments. At least as many grade-points as credits must be earned in the major subject.

In completion of the requirements for the major study, departments may permit upper-group students to substitute individual work, under the guidance of some member of the department, for a prescribed number of credits ordinarily earned in class. Such optional substitution of individual for class work is subject to the approval of the Dean of the College.

Students electing to do individual work in lieu of regular class work, shall, toward the end of their senior year, pass a comprehensive examination on the work offered for the major both in course and outside of course.

The candidate must accumulate at least 80 credits for work done outside of any one department, *provided* that in these 80 credits shall be counted, for purposes of this section: (a) teachers' courses not in excess of a total of four credits, and (b) first and second year work, not exceeding 14 credits, in a second foreign language in the same department.

15. THESIS

All candidates are required to present a graduating thesis, except as provided below. The subject of the thesis must be approved by the student's adviser and be filed with the chairman of the department in which the candidate is taking his major. It must represent some phase of the student's work in the major study and must be of a scholarly character. It is to be typewritten and bound according to specifications furnished by the Librarian of the University and before it is accepted it must be approved by the instructor under whose guidance it has been done. It carries four credits toward the major requirements and toward graduation. It shall be deposited in the University Library by the Tuesday before Commencement and its title, as approved in advance by the thesis adviser, will appear in the Commencement Register.

One of the following substitutes for the thesis may be allowed when, in the judgment of the department, it is advisable: (a) a course restricted to seniors and graduates, in groups of not more than ten, with written reports of independent work done in connection with the course under the supervision of the instructor, or (b) an individual reading or research course, with frequent conferences between student and instructor and with written reports of independent work.

These substitutes shall involve work equivalent to at least 4 credits and shall be so certified by the instructor on the class card of each student taking either substitute. The several papers of each student shall deal with correlated subjects, and must be prepared with due attention to expression and to logical form. Before any student's papers shall be finally accepted as a whole, they shall be typewritten and bound together according to specifications obtaining in the case of the thesis. They shall be deposited in the University Library by the Tuesday before Commencement.

For regulations excluding certain students from the privilege of writing a thesis or a substitute for the thesis (as defined above), see Classification of Students, section 13 above.

16. ELECTION OF THE JOINT LIBRARY COURSE

For conditions under which a student may elect work in the Library School, see page 121.

17. MAJOR IN MEDICAL SCIENCE

A major in medical science is authorized for the degree of B.A. in the general course. Candidates for this degree may not be registered in the Medical School for more than one year. In addition to the regular requirements for the degree, the student electing this major shall earn, as prerequisite to it, at least 10 credits in each of the following subjects: general chemistry, biology, and physics; and at least 4 credits in organic chemistry. The work in the major shall consist of at least 20 credits, including thesis, in the medical sciences and 10 of them shall be within a single department of the Medical School. Students who wish to take the Course in Medical Science leading to the degree of Bachelor of Science are referred to the bulletin of the Medical School.

IV. SPECIAL REQUIREMENTS FOR THE B.A. GENERAL COURSE

18. OUTLINE OF CURRICULUM

(a) English: 10 credits, as follows: 6 credits in freshman composition; 4 credits in literature, to be taken normally in the sophomore year. Students securing a grade of A in the first semester of the composition course may, if they so desire, omit the second semester of it. On the completion of English 1 a provisional pass mark is given; if at any time later in his course a student is reported as deficient or careless in English composition he may be required to take additional work in that subject.

(b) Foreign language: 32 credits in one, two, or three of the foreign languages specified below are required for graduation. These credits may be earned

partly in high school and partly in the University, or wholly in the University. High-school work is accepted in satisfaction of the foreign-language requirement at the rate of four university credits for one unit, up to the amount of six units or 24 university credits. A student is not permitted to repeat in college, for credit, the equivalent of a course in foreign language which he has had in high school. French, German, Classical Greek, Hebrew, Italian, Latin, Norse, and Spanish, and no other languages, may be offered either for entrance or graduation.

Students entering from foreign countries where they have studied English as a foreign language in recognized secondary schools or colleges, may be allowed not more than four entrance units for their work in English as partial fulfillment of the foreign language required for graduation. Such students, including those entering with advanced standing, will take the preliminary tests in freshman English administered at the beginning of each semester, and those who fail to pass these tests must take work in sub-freshman English.

Students presenting English as a foreign language for the B.A. degree must secure at least sixteen credits in another foreign language accepted by the University of Wisconsin and excluding their mother tongues, and must continue such foreign language at this University for at least one year.

In general, students are required to take a minimum of 8 credits in one foreign language in the University. Any student, however, who presents more than six units for entrance will be allowed to count the additional unit or units toward the total requirement of 32 credits, provided he passes a special examination given thereon by the college. This examination will normally be given before the Christmas holidays in the first semester of the student's freshman year. Eight credits is the least amount of a foreign language which will be accepted toward the foreign-language requirement of any course, and if two or three languages are presented at least 16 credits must be in one language. Students choosing a foreign-language major must present a second foreign language.

(c) Two of the following: natural science, 10 credits, *in a continuous year course:* mathematics, 8 credits; history, 6 credits, *in a continuous year course.* A student is not permitted to repeat in college, for credit, the equivalent of a course in mathematics which he has had in high school.

Under natural science are included botany, zoology, biology (a combined course made up of a semester of botany and a semester of zoology), chemistry, physics, geography, and geology. All are courses of five credits per semester for two semesters, with laboratory work, or field work in geography and geology.

(d) Major study, thesis, and electives. See sections 14 and 15 above.

19. STUDIES OF THE FRESHMAN YEAR

In this year only one study is definitely required, English 1, freshman composition, 3 credits. The other subjects, sufficient to make up a program of 14, 15, or 16 credits for the semester, are to be chosen from the groups listed below, composed of studies which extend for two semesters, unless otherwise indicated. The combination may be made by adding to English two foreign languages from Group I, with one subject from Group II; or by taking but one foreign language with two subjects from Group II.

GROUP I. FOREIGN LANGUAGE. At least one subject must be chosen from this group, but not more than 5 credits per semester may be taken in any single subject. Students may not take for credit courses which are equivalent to those completed in high school. Advanced courses in language are open to students of suitable preparation.

French 1, 10, 13, 15, 16, 20—3 to 5 credits
German 1, 2, 3—4 credits
Greek 1, 7—3 or 4 credits
Hebrew 1—4 credits
Italian 1—4 credits
Latin 1, 2, 3, 4, 6—4 or 5 credits
Norse 1—4 credits
Spanish 1, 10, 15, 20—3 to 5 credits

GROUP II. MATHEMATICS, SCIENCE, HISTORY. At least one subject must be chosen from this group, but not more than 5 credits per semester may be taken in any single subject.

MATHEMATICS: The following are semester courses which are repeated each semester. If the student has taken college algebra or plane trigonometry in high school, he will take one of the more advanced courses in the University, since a student is not permitted to repeat in college, for credit, the equivalent of a course in mathematics which he has had in high school.

Mathematics 1 (college algebra)—4 credits
Mathematics 2 (trigonometry)—4 credits
Mathematics 3 or 4 (analytic geometry)—3 or 4 credits
Mathematics 5a (calculus)—3 credits
Mathematics 7 (theory of investment)—4 credits

SCIENCE:

Biology 1—5 credits (Botany 1 in the first semester, followed by Zoology 1 in the second semester, or Zoology 1 followed by Botany 1)
Botany 1 and 2—5 credits
Chemistry 1—5 credits
Geography 4—5 credits
Geology 1—5 credits
Physics 1 or 31—5 credits
Zoology 1 and 2—5 credits

HISTORY:

History 1 (medieval)—3 credits
History 5 (English)—3 credits
History 10 (ancient)—3 credits

Students may secure 5 credits per semester in freshman history by taking two courses. In this case they will do the full work of one course, receiving 3 credits; in the other course they will omit much of the collateral reading and the reports, and will receive 2 credits.

DRAWING:

Drawing 1, 2 (mechanical)—3 credits
Drawing 50, 51 (freehand)—3 credits

20. STUDIES OF THE SOPHOMORE YEAR

In the sophomore year the student must continue his English for two semesters, as well as his foreign language, unless the requirement has already been met; likewise his history, mathematics, or science, unless this group requirement has been absolved in his freshman year, together with additional Letters and Science courses necessary for a full program.

V. SPECIAL REQUIREMENTS FOR THE PH.B. GENERAL COURSE

21. OUTLINE OF CURRICULUM

All the studies prescribed below are to be taken in college.

(a) English, 10 credits of freshman and sophomore composition (English 1 and 2) for students who do not carry foreign language successfully throughout the freshman year; 6 credits of freshman composition for those who do carry foreign language successfully throughout the freshman year. (See section 18, paragraph (a) above.)

(b) Science and mathematics: A total of 20 credits to be taken in year courses; e. g., 8 credits in mathematics and 12 in science, or 10 credits in mathematics and 10 in science, or 20 in mathematics, or 20 in science. Only the laboratory sciences as approved for the B.A. course will be accepted as meeting this requirement.

(c) Two of the following groups:

1. Philosophy or mathematics, 10 credits in one of the two. Mathematics may not be offered both here and under (b) above.
2. History, 10 credits, to be taken in year courses. Courses in the "hundred" group may be credited by semesters.
3. Foreign language, 14 credits, not more than 8 of which may be in a beginner's course.

(d) Major study, thesis, and electives. See sections 14 and 15 above.

22. STUDIES OF THE FRESHMAN YEAR

The same studies are open to freshmen in this course as in the B.A. course and on the same terms as stated on preceding pages under the B.A. course. Students may readily make the following combinations, in which the numbers represent the number of credits per semester. Other combinations are feasible.

(a) Without foreign language.

English 3 credits, history 3 or 5, science 5, drawing 3.
English 3 credits, science 5, mathematics 4, history 3.
English 3 credits, science 10, history 3.
English 3 credits, science 5, history 5, drawing 3.

(b) With foreign language.

English 3 credits, language 4 or 5, history 3, science 5.
English 3 credits, language 4, history 5, mathematics 4.

English 3 credits, language 4, science 5, mathematics 4.
English 3 credits, language 4 or 5, mathematics 5, history 3.

Students who may elect as indicated in (b) will be in line, if they so choose, to go on toward the B.A. degree instead of the Ph.B. They may continue foreign language in the sophomore year and offer it as part of the prescribed credits for the Ph.B. degree, or the study may be discontinued at the end of the freshman year. In the latter case the student will need to offer 10 credits in philosophy or in mathematics, and 10 in history. Students may elect two foreign languages, but such students will ordinarily enter the B.A. course.

23. STUDIES OF THE SOPHOMORE YEAR

In the sophomore year the students in this course must complete the specified requirements so far as the printed schedule permits.

VI. COURSE FOR NORMAL-SCHOOL GRADUATES

LEADING TO THE DEGREE OF BACHELOR OF PHILOSOPHY

Graduates of the two-year departmental courses of the state normal schools are admitted to advanced standing in the various courses and colleges of the University on conditions given under the heading of Admission. A special course, leading to the degree of Bachelor of Philosophy, Course for Normal-School Graduates, has been arranged by the University to meet the needs of most of those who graduate from the departmental courses of the state normal schools. Such graduates are ordinarily admitted to junior standing in candidacy for this degree and are ordinarily granted 60 credits toward the total of 120 required for graduation. The course contains a minimum required amount of advanced studies in philosophy and education—6 credits in each—with the privilege of further elections in these subjects. Broadly speaking, the general rule holds that the student may not repeat in the University for credit the equivalent of a course he has had in high school or normal school. All the courses in philosophy, including those in psychology, with the exception of Psychology 1, are open to election by normal-school graduates. In education, no elementary course may be elected for credit by a normal-school graduate; the courses which he may elect in fulfillment of the requirements are those numbered above 100 on pp. 156-160 of this bulletin. Departmental teachers' courses in the several departments may *not* be elected in fulfillment of these requirements in education.

This course also requires a continuous study of one foreign language (Latin, French, or German) during the two years of the course—that is, a total of 16 credits.* Any student in this course who offers work in foreign language equal in amount and distribution to what is demanded of candidates for the degree of Bachelor of Arts will not be required to pursue courses in foreign language in the University, and no student will be required to complete more work in foreign language than is demanded for the degree of Bachelor of Arts.

Upon entering this course the student selects the department of his major study and is assigned to an adviser who will assist him in arranging his work so as to satisfy the requirements, which may ordinarily be completed within two years. It is expected that the student in this course will give special attention

to preparation for teaching some one subject and that he will choose his studies with this end in view. It should be borne in mind, however, that the required work of the course and of the major impose a definite limitation on the number of electives which may be offered, and that the required work takes precedence over electives. Attention is called to the specifications in sections 14 and 15 above relative to completing a major and writing a thesis, and to the requirements for the University Teachers' Certificate on page 87.

Each student is required to take class and laboratory work to the amount of 14-16 credits per semester. A student who desires to elect fewer than 14 credits must secure permission in advance from the Dean. No student may take more than 16 credits during his first semester, but when, in any semester, he receives a grade of B or higher in each subject, he may take up to 18 credits in the next semester. Subjects in other colleges may not be elected except by special written permission from the Dean of the College obtained in advance. Permission will be granted only when the desired subjects correlate with the student's major. Physical training is rarely required in this course.

This course will be discontinued in August, 1932.

Junior Year. Foreign language (each semester), 4 or 5 credits; philosophy or education; major study; electives; total credits first semester, 14-16.

Senior Year. Continuation of foreign language; completion of required philosophy and education; major study and thesis; electives.

VII. COURSE IN CHEMISTRY

The purpose of the Course in Chemistry is to train competent chemists for industrial, governmental, and teaching positions. The United States is a leading nation in chemical industries and our continued industrial success is largely dependent on the ability of our universities to supply the ever-increasing demand for men with adequate chemical training. Many industries are essentially chemical in character and have long employed chemists; others, because of the necessity of meeting changing conditions and keener competition, are finding it increasingly necessary to employ chemists to originate, simplify, and control plant processes.

The principal departmental bureaus of the Government employ a considerable number of chemists, both for research and control work. All of the larger cities require skilled chemists, as do many of the various state commissions and the federal and state experiment stations. The development of agriculture is largely dependent on the services of the chemist, and trained workers are in great demand in this field. Many industries are establishing central experimental and research laboratories for the intensive study of the specific problems relating to those industries. Positions in those laboratories are most desirable, as they afford

*An exception to this requirement is made in the case of a normal-school graduate who has had altogether five years of experience in teaching. He will be allowed to substitute for the required work in language 16 credits in language, literature, history, or philosophy, of which at least 12 credits must be (and all 16 may be) in one of the four fields named. They may not be taken in the department of the major, and if philosophy is chosen, the credit must be in addition to the 6 credits regularly prescribed. A single semester of a year course will not be accepted toward the absolving of this requirement unless the year course in question belongs to the "hundred" group.

specialized training which leads to the attainment of exceptionally lucrative positions. Research laboratories are being established for a great variety of purposes, and these laboratories must ever look to the universities for trained chemists. For these positions, especially, it is highly desirable that the four-year course in chemistry be followed by from one to three years of graduate work. The demand for the exceptionally well trained man is steadily increasing and, whenever it is possible, the student who shows an aptitude for chemistry should plan for graduate training.

The thoroughly trained teacher of chemistry has an exceptional opportunity to play an important role in the social, economic, and industrial development of the nation. His opportunities to aid in the dissemination of useful knowledge, in the development of a wider appreciation of scientific knowledge, and to contribute to scientific progress both by his teaching and his opportunity for personal research, are such as to make this profession unusually attractive to those who have a sincere desire to serve their fellow men.

The curriculum of the Course in Chemistry is designed to offer a broad foundation in the chemical and related sciences. It does not profess to train chemists for special industries, for each industry has its special problems and special methods. Interwoven with the courses in chemistry are courses designed to broaden the understanding and to round out educational training. A number of electives are provided, and it is required that a certain number of these be studies other than chemistry. Students are expected to take a sufficient number of cultural studies to acquire the proper educational balance.

Four courses of study are offered: A general course, a course for industrial chemists, a course for food or sanitary chemists, and a course for agricultural chemists. The first course will naturally be chosen by those who desire a broad general training, while those who intend to go into industrial work will do well to choose the course for industrial chemists. The courses for food or sanitary chemists and for agricultural chemists are more specialized and will be elected by those who desire to train themselves for these particular lines of work. Attention is called to the fact that specialized training along the lines of soil chemistry and physiological chemistry may be obtained by election of courses in these subjects along with the required studies of the general course.

REQUIREMENTS. Students having the entrance requirements prescribed for the College of Letters and Science may be admitted to this course. It will be observed from the outline of the curriculum on the next page that the work of the freshman year is identical in each of the four fields of study, and in all of them a year each of general inorganic, analytical, organic, and physical chemistry is required. The course in English is the composition course required of all freshmen in the University. The equivalent of at least courses 2a and 2b in German and courses 1a and 1b in French is required for graduation from the Course in Chemistry, but preparatory work in these languages may satisfy the graduation requirement in part. A student entering with preparation in but one of these languages will naturally continue work in it during the freshman year.

In each of the courses, 130 credits and an equal number of grade-points are required for graduation. Students will frequently find it desirable to absolve a part of the requirements during one or more summer sessions. The work of

the senior year includes the writing of a thesis, embodying the result of a detailed experimental investigation.

Each year at least one opportunity for an extended industrial trip will be offered. The Middle West has become an important center of chemical industries and nearly all of the more important chemical industries may be seen in operation here. It is expected that the students taking the Course in Chemistry will avail themselves fully of these opportunities to visit representative industrial plants. At least one such trip must be taken during the course. While it is not specifically required for graduation, students are urged to devote at least one of their summer vacation periods to practical chemical work in some chemical industry.

COURSE IN CHEMISTRY

LEADING TO THE DEGREE OF BACHELOR OF SCIENCE, CHEMISTRY COURSE

ALL OPTIONS

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Chem. 1a—General chemistry	5	Chem. 1b—General chemistry and qualitative analysis	5
Math. 1—College algebra	4	Math. 2--Trigonometry	4
German or French	4	German or French	4
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Drawing 5—Elements of Drawing	1	Drawing 5—Elements of Drawing	1
Physical education or military science	0	Physical education or military science	0
	17		17

GENERAL OPTION

SOPHOMORE YEAR

Chem. 11a—Quantitative analysis	5	Chem. 11b—Quantitative analysis	5
German or French	4	German or French	4
Physics 31—General physics	5	Physics 31—General physics	5
Chem. 10—Mathematical chemistry	3	Agr. Bact. 2—Survey of bacteriology	3
or		or	
Math. 3—Analytic geometry	(3)	Geol. 7—Short course in mineralogy	(3)
Physical education or military science	0	or	
		Math. 5a—Calculus	(3)
	17	Physical education or military science.	0
			17

Students electing Mathematics 3 will follow this course with Mathematics 5a in the second semester. If the student has had college algebra in high school, he will be expected to take trigonometry and analytic geometry in his freshman year, leaving calculus open for election in the sophomore year in place of Chemistry 10 or Mathematics 3.

The bacteriology course is required, but it may be postponed until later in the course if one of the other optional subjects be chosen.

JUNIOR YEAR

Chem. 120—Organic chemistry	5	Chem. 120—Organic chemistry	5
Chem. 130—Physical chemistry	5	Chem. 130—Physical chemistry	5
German or French	4	German or French	4
Elective	3	Elective	3
	17		17

SENIOR YEAR

Chem. 100—Thesis	2	Chem. 100—Thesis	2
Chem. 119—Organic analysis	3	Chem. Engr. 120—Industrial organic chemistry	2
Chem. 107—History of chemistry	2	Electives	10
Chem. Engr. 15—Industrial chemistry	3		
Electives	4		
	14		14

Of the 20 elective credits, at least 10 must be taken in subjects other than chemistry.

OPTION FOR INDUSTRIAL CHEMIST

SOPHOMORE YEAR

Same as for sophomore year of General Option, except that bacteriology, mineralogy, metallurgy, or calculus may be elected.

JUNIOR YEAR

Same as for junior year of General Option

SENIOR YEAR

Chem. 100—Thesis	2	Chem. 100—Thesis	2
Chem. Engr. 15—Industrial chemistry	3	Chem. Engr. 15—Industrial organic chemistry	2
Chem. Engr. 123—Chemical factory apparatus	2	Chemical Engineering electives	4
Econ. 11—Business management	2	Electives	6
Electives	5		
	14		14

OPTION FOR FOOD CHEMIST OR SANITARY CHEMIST

SOPHOMORE YEAR

Chem. 11a—Quantitative analysis	3	Chem. 11b—Quantitative analysis	3
German or French	4	German or French	4
Physics 31—General physics	5	Physics 31—General physics	5
Agr. Bact. 1—Survey of bacteriology	5	Botany 1—General botany	5
Physical education or military science	0	Physical education or military science	0
	17		17

JUNIOR YEAR

German or French	4	German or French	4
Chem. 120—Organic chemistry	5	Chem. 120—Organic chemistry	5
Bot. 110—Plant histology	3	Bot. 111—Microscopical examination	3
Chem. 119—Organic analysis	3	Chem. 146—Chemistry of foods	5
Elective	2		
	17		17

SENIOR YEAR

Chem. 100—Thesis	2	Chem. 100—Thesis	2
Chem. 130—Physical chemistry	5	Chem. 130—Physical chemistry	5
Chem. 107—History of chemistry	2	Chem. 113—Water analysis	1
Electives	5	Electives	6
	14		14

Of the 13 elective credits, at least 8 must be taken in subjects other than chemistry.

OPTION FOR AGRICULTURAL CHEMIST

SOPHOMORE YEAR

Chem. 11a—Quantitative analysis	3	Chem. 11b—Quantitative analysis	3
German or French	4	German or French	4
Bot. 1—General botany	5	Agr. Chem. 1—General agricultural chemistry	3
Physics 31—General physics	5	Agr. Chem. 2—Agricultural analysis	2
Physical education or military science	0	Physics 31—General physics	5
		Physical education or military science	0
	17		17

JUNIOR YEAR

Chem. 120—Organic chemistry	5	Chem. 120—Organic chemistry	5
German or French	4	German or French	4
Agr. Chem. 121—Dairy chemistry	5	Agr. Bact. 2—Survey of bacteriology	3
Elective	3	Electives	5
	17		17

SENIOR YEAR

Chem. 100—Thesis	2	Chem. 100—Thesis	2
Chem. 130—Physical chemistry	5	Chem. 130—Physical chemistry	5
Agr. Chem. 122—Animal chemistry	5	Physiol. 3—Animal physiology, or	4
Elective	2	Bot. 146—Plant physiology	(4)
		Elective	3
	14		14

Of the 13 elective credits, at least 8 must be taken in subjects other than chemistry.

VIII. CHEMISTRY-COMMERCE COURSE

J. H. MATHEWS, DIRECTOR, PROFESSOR OF CHEMISTRY

The need for such a course arises from the fact that men of affairs in the industrial world are often handicapped because they do not possess a fundamental knowledge of the technical principles involved in their business. This course is intended particularly for students who desire to fit themselves to hold commercial positions such as business managers, technical secretaries, managerial secretaries, sales managers, purchasing agents, technical salesmen, and in fact any commercial position in which a thorough understanding of fundamental chemical principles would be an asset.

REQUIREMENTS. 130 credits (and 130 grade-points) are required for graduation, of which not more than 14 may be in the starred courses in economics, nor more than 40 in any single department. Students with fifty per cent more grade-points than credits at the close of the junior year will write a thesis in chemical industry in the senior year; others will take a course in chemistry prescribed by the Chemistry Department.

The requirement in foreign language is 24 credits in French, German, or Spanish, of which at least 16 must be in one language and at least 8 more in the same or a second language. Students who present for entrance less than two units in one foreign language will be required to continue the study of

foreign language in the junior year in place of some of the optional and elective work.

Students taking this course are required to take the industrial trip described under Chemistry Course (page 70).

CHEMISTRY-COMMERCE COURSE

LEADING TO THE DEGREE OF BACHELOR OF SCIENCE, CHEMISTRY-COMMERCE COURSE

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Math. 1—College algebra	4	Math. 7—Theory of investment	4
Foreign language	4	Foreign language	4
Chem. 1a—General chemistry	5	Chem. 1b—General chemistry and qualitative analysis	5
Physical education or military science.	0	Physical education or military science.	0
	16		16

SOPHOMORE YEAR

Chem. 20—Organic chemistry	4	Chem. 11a—Quantitative analysis	4
Econ. 1a—General economics	4	Econ. 1b—General economics	4
Foreign language	4	Foreign language	4
Physics 1a or 31—General physics	5	Physics 1b or 31—General physics	5
Physical education or military science.	0	Physical education or military science.	0
	17		17

JUNIOR YEAR

Econ. 13—Marketing methods	3	Econ. 31—Business statistics	3
Econ. 6—Business letter writing	2	Econ. 11—Business management	2
Econ. 8a—Elements of accounting	3	Econ. 5—Money and banking	3
Electives	8	Electives	8
	16		16

SENIOR YEAR

Chem. 100—Thesis	2	Chem. 100—Thesis	2
Commercial chemistry	3	Commercial chemistry	2-3
Econ. 137, 142, or 181	3	Electives	12-11
Econ. 109—Commercial law	3		
Electives	5		
	16		16

Of the 32-33 elective credits, at least 3 per semester in the junior year must be in courses in chemistry, and at least 3 in the senior year in economics courses.

IX. COURSE IN HUMANITIES

COMMITTEE IN CHARGE: E. H. BYRNE, PROFESSOR OF HISTORY, Chairman; PROFESSORS BRUNS, DODGE, F. C. SHARP, LAIRD.

PURPOSE AND PLAN. It had long been felt by a large number of professors in the College of Letters and Science that the citizens of the State would welcome the establishment of a course based upon the curriculum of the old college of liberal arts, with modifications which the trend of education in the last two generations has shown to be advisable. Consequently, in 1920, such a course, leading to the degree of Bachelor of Arts, Course in Humanities, was instituted for the benefit of students willing to devote part of their college work to non-professional, purely cultural development, either for its own sake or as a preparation for special study.

Students may here secure substantial introductions to the four great fields of learning: language and literature; history and its correlated branches; science; philosophy and mathematics. They will come into vital contact with at least one of the great civilizations of the ancient world. They will acquire the power to acquaint themselves with at least one of the great foreign civilizations of the modern world. They will have training in English composition and spend at least a year with the masters of English literature. They will be given the opportunity in courses in history, economics, and political science to gain knowledge regarding the institutions of the past and of the present, and to study methods of analyzing social facts. An introduction to one of the sciences will open to them the world of natural phenomena, and bring to them some experience in scientific method. Courses in philosophy and mathematics will serve to induce in them habits of close reasoning.

It is believed that students who seek what is called a "general education" will see the desirability of the initiation into these four fields which is required in the new course. It is believed, also, that students who feel the need of passing quickly to a special subject with the intention of concentrating their attention upon it will consider that the delay entailed by the satisfaction of the requirements in the new course will be justified by the enlarged vision with which it will insure their entering upon their specialized work.

REQUIREMENTS. The general requirements of this course are identical with those of the General Course leading to the degree of Bachelor of Arts, and the regulations pertaining thereto also govern students in this course, excepting as modified by the following special requirements and rules. (See pages 15-16.) The major must be chosen from the fields of language, literature, science, economics, history, political science, mathematics, or philosophy. Professional subjects, excepting such as may be required for the teachers' certificate, are not open for election by students in this course. Some member of the committee in charge will be assigned as the student's adviser and will inform him whether or not any given subject is professional. Upon successful completion of the requirements outlined below, including 120 academic credits and at least an equal number of grade-points, the student will be admitted to the degree of Bachelor of Arts, Course in Humanities.

The student will meet the following special requirements:

(a) 12 credits in English composition and literature;

(b) three of the following four options in foreign language and literature, to be absolved by combining high-school units and college credits: (1) 24 credits in Latin; (2) 14 credits in Greek; (3) a reading knowledge of French; (4) a reading knowledge of German;

(c) 10 credits in the field of economics, history, and political science, of which at least 6 credits will be in history (freshmen will ordinarily elect 8 credits in medieval history);

(d) 10 credits in natural science;

(e) 12 credits in the field of mathematics and philosophy. If philosophy is chosen, election is limited to Philosophy 11, 21, 25, 31, 41, 132, and Psychology 1.

COURSE IN HUMANITIES

LEADING TO THE DEGREE OF BACHELOR OF ARTS, COURSE IN HUMANITIES

RECOMMENDED SEQUENCE

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Hist. 1—Medieval history	4	Hist. 1—Medieval history	4
Foreign language	3-5	Foreign language	3-5
Mathematics or foreign language	3-4	Mathematics or foreign language	3-4
Physical education or military science.	0	Physical education or military science.	0
	14-16		14-16

SOPHOMORE YEAR

Engl. 30a—General survey	3	Engl. 30b—General survey	3
Foreign language	3-5	Foreign language	3-5
Science	5	Science	5
Required subject (see list below)	3-4	Required subject (see list below)	3-4
Physical education or military science.	0	Physical education or military science.	0
	14-17		14-17

SUBJECTS RECOMMENDED FOR SOPHOMORE YEAR IN FULFILLMENT OF REQUIREMENTS

Econ. 1a—General economics	4	Econ. 1b—General economics	4
Pol. Sci. 7a—American government and politics	3	Pol. Sci. 7a or 7b—American government and politics	3
Philosophy 11, 21, or 31	3	Philosophy 11, 21, 41, or 132	3
Psych. 1—Introductory psychology	3	Psych. 1—Introductory psychology	3
Mathematics 3, 5a, or 5b	3	Mathematics 4, 5a, or 5b	3-4

X. COURSE IN PHARMACY

EDWARD KREMERS, DIRECTOR, PROFESSOR OF PHARMACEUTICAL CHEMISTRY

OBJECT. The object of the Course in Pharmacy is to furnish a thoroughly scientific foundation for the pursuit of the profession of pharmacy in all its branches; to prepare students not only to operate drug stores but to fit them as well for other lines of pharmaceutical activity,—to enter hospital practice, to take up pharmaceutical manufacturing, to engage in pharmaceutical research and the teaching of pharmaceutical subjects, or to enter the government service. The elements of the fundamental natural sciences, botany, chemistry, and physics, must be studied and their principles understood before their applications to pharmacy can be rationally considered. For this reason students in pharmacy are required to pursue general elementary courses in these fundamental sciences, where they have the advantage of close association with students in other departments of the University.

The general study of these fundamental sciences is followed by more or less specialized courses. General botany is followed by courses in vegetable histology and the anatomy of drugs; general chemistry, organic and inorganic chemistry, and qualitative and quantitative analysis are followed by courses in pharmaceutical and plant chemistry. General physics is followed by the application of physics to pharmacy.

The practitioner of any profession must be familiar with the literature of that profession. To this end he must be able to read the language in which this literature is written. A pharmacy student must, therefore, not only have command of the English language, but he must be able to read other languages, at least French and German. For this reason students in the four-year pharmacy course are expected to acquire a reading knowledge of both French and German.

COURSES. Two courses in pharmacy are offered, the three-year course leading to the degree of Graduate in Pharmacy, and the four-year course leading to the degree of Bachelor of Science, Pharmacy Course. The three-year course has been carefully planned to accommodate those students who are unable to remain four years at the University, as well as to meet the advancing requirements of pharmaceutical education. It has been so arranged that by a judicious choice of electives, a student, after graduation from the three-year course, may return to the University and complete the requirements of the four-year course in one year. The four-year course was created to accommodate those students who desire to obtain a general scientific education and to include in their course the pharmaceutical studies, and with the hope of stimulating a broader pharmaceutical education.

ADVANCED WORK. Like the sister profession, medicine, pharmacy is in need not only of the general practitioner, but also of the specialist. For the preparation necessary to equip such specialists the University offers graduate courses. Graduates who desire to prepare themselves as chemists for manufacturing establishments, as analytical, food, or sanitary chemists, or as bacteriologists will find that the graduate work in pharmacy ,no less than in other departments of the University, offers excellent opportunities for specialized study and research.

LABORATORIES. The pharmaceutical laboratories are located on the third and fourth floors of the Chemistry Building. On the third floor, they consist of a dispensary, a laboratory for analytical purposes, and laboratories for general pharmaceutical chemistry, plant chemistry, and pharmacy; on the fourth floor, of the pharmacognosy laboratories, a milling room, and laboratories for extraction and distilling purposes, equipped with steam and vacuum apparatus. The work of these laboratories is carefully coördinated and culminates in the prescription work of the dispensary.

ADAMS CONRATH MEMORIAL FUND. In 1912 the Wisconsin graduates of the Philadelphia College of Psarmacy gave $75 to the University to establish the Adam Conrath Memorial Fund. This sum is to be added to from time to time until the amount reaches $250. The income is then to be used to maintain a set of the *Americal Journal of Pharmacy* in the University.

THREE-YEAR COURSE IN PHARMACY

LEADING TO THE DEGREE OF GRADUATE IN PHARMACY

FIRST YEAR

First Semester	Credits	Second Semester	Credits
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Chem. 1a—General chemistry	5	Chem. 1b—Qualitative analysis	5
Bot. 1—General botany	5	Chem. 15—Quantitative analysis	2
Pharm. 1—Pharmaceutical technique	3	Bot. 130—Seed plants	3
Physical education or military science.	0	Pharm. 1—Pharmaceutical technique	3
		Physical education or military science.	0
	16		16

SECOND YEAR

Chem. 20—Organic chemistry	4	Chem. 27—Pharmaceutical chemistry	5
Chem. 26—Pharmaceutical chemistry	5	Bot. 111—Microscopical exam. of drugs	3
Bot. 110—Plant histology	3	Pharm. 20—Elementary prescription practice	2
Pharm. 20—Elementary prescription practice	2	Pharmacog. 10—Sources of drugs	1
Pharmacog. 10—Sources of drugs	1	Pharm. 40—Drug-store practice	1
Pharm. 40—Drug-store practice	1	Electives	4
Physical education or military science.	0	Physical education or military science.	0
	16		16

THIRD YEAR

Pharm. 30—Pharmaceutical technology	5	Pharm. 121—Adv. prescription practice	2
Pharmacog. 20—Crude drugs	3	Pharmacog. 20—Crude drugs	3
Chem. 40—Plant chemistry	3	Chem. 40—Plant chemistry	3
Pharm. 50—History of pharmacy	1	Chem. 45—Alkaloid assay	1
Pharm. 100—Thesis	2	Pharm. 50—History of pharmacy	1
Electives	2	Pharm. 100—Thesis	2
		Electives	4
	16		16

Eight of the ten elective credits must be taken outside of the Departments of Pharmacy, Chemistry, and Botany.

FOUR-YEAR COURSE IN PHARMACY

LEADING TO THE DEGREE OF BACHELOR OF SCIENCE, PHARMACY COURSE

In general, this course includes all that is required in the three-year course, or acceptable substitutes, and, in addition, general physics, a reading knowledge of French and German, and sufficient electives to make 120 credits. An equal number of grade-points, half of which must be earned during the first two years, is also required. The foreign-language requirement is usually interpreted to mean 8 credits of French and 16 credits of German, to be satisfied by work in either the high school or the University. A student in the four-year Pharmacy Course is normally permitted 10-12 credits of free electives. These may be chosen, upon consultation with the adviser, either inside or outside the department, along any line in which the student is interested.

PHARMACEUTICAL EXPERIMENT STATION

In accordance with an act passed by the legislature in 1913, a Pharmaceutical Experiment Station has been established in connection with the Department of Pharmacy. The object of the Station, as outlined by the law establishing it, is two-fold:

(1) To coöperate with the Bureau of Plant Industry of the Department of Agriculture in the maintenance of the northern station for the cultivation of medicinal plants and to disseminate such information as may lead to the proper cultivation of medicinal plants and the production of high grade vegetable drugs in this state; and

(2) To serve the public at large by coöperation with both pharmacists and physicians in securing for the sick the best medicines that pharmaceutical science and art can provide, and further, by coöperation with the State Board of Pharmacy, the State Board of Health, and the Dairy and Food Commission, to bring about these results.

The staff of the Experiment Station is made up of members of the faculty of the Department of Pharmacy. A garden of about forty acres for the scientific cultivation of medicinal plants and a laboratory for the investigation of problems connected with the preparation and testing of crude drugs, pharmaceutical preparations, and chemicals are maintained. Reports on the work of the Experiment Station are published from time to time and distributed to persons interested. For copies of these reports application should be made to the Director.

WISCONSIN PHARMACEUTICAL RESEARCH FUND

Recognizing the growing importance of research to the science and art of pharmacy, the pharmaceutical alumni and other friends of the University have established a fund, known as the Wisconsin Pharmaceutical Research Fund of the University of Wisconsin. The first contributions to this fund, amounting to $1000, were presented in June 1917, and accepted by the Regents in the name of the University. Since 1917, by gifts and accrued interest, the fund has increased until it now totals more than $10,000. Half of the income of this fund may be devoted directly to pharmaceutical research while the remainder goes to augment the principal. Thus a permanent and ever-increasing endowment for pharmaceutical research at the University of Wisconsin is assured.

EXPERIMENTAL COLLEGE

ALEXANDER MEIKLEJOHN, CHAIRMAN, BRITTINGHAM PROFESSOR OF PHILOSOPHY

ALEXANDER MEIKLEJOHN, Ph.D., LL.D., *Brittingham Professor of Philosophy*
WALTER RAYMOND AGARD, B.Litt., *Professor of Greek*
WALTER GOODNOW EVERETT, Ph.D., *Professor of Philosophy—II*
JOHN MERRIMAN GAUS, Ph.D., *Professor of Political Science*
PERCY MILLARD DAWSON. B.A., M.D., *Associate Professor of Physiology*
SAMUEL GREEN ADAMS ROGERS, M.A., *Associate Professor of French*
LAURANCE JAMES SAUNDERS, Ph.D., *Associate Professor of History*
MALCOLM PITMAN SHARP, M.A., *Assistant Professor of Law*
PAUL A. RAUSHENBUSH, Ph.D., *Assistant Professor of Economics*
WILLIAM BUTTERWORTH PHILLIPS, B.A., *Instructor in English*
CARL M. BÖGHOLT, B.S., *Instructor in Philosophy*
JOHN WALKER POWELL, B.A., *Assistant in Philosophy*

The purpose of this college, as established by the Faculty and the Regents of the University, is to discover ways of improving instruction for freshmen and sophomores. To this end a small faculty and a small student body, both composed for the time being entirely of men, are working together. In 1927-28 the enrollment was limited to 119 freshmen, taught by a faculty of 11; an approximately equal number of freshmen will be admitted in 1928-29 and an appropriate increase will be made in the staff, giving the college a student body of between 200 and 250. The students all reside in Adams Hall, one of the men's dormitories, and the faculty offices are located in the same building.

The teaching policy of the college is being worked out as the venture proceeds and therefore no complete statement can be made. However, certain principles can be stated as outlining the teaching program in its present form:

1. The aim is definitely liberal. The attempt is being made to inform and to direct the mind of the student toward an understanding of himself and his fellows and his world.

2. In teaching methods, all procedures are made to rest upon and to spring from the independent work of the student. The subject matter to be studied is defined by the faculty by the assignment of books to be read and mastered by the student. In this work tutorial guidance is given by the teacher. There are conferences with individual students, discussions with large and small groups, and talks, rather than lectures, given to the class as a whole by members of the staff and others. In every way possible, the attempt is made to fashion students and faculty into a community interested in a common intellectual enterprise.

3. In place of the "subjects," four or five of which are usually taken by a student at a given time, the College takes as its unit the study of a single civilization as a whole. In the year 1927-28, the freshmen have been trying to become acquainted with the Athenian civilization of the fifth and fourth centuries, B.C. Next year, as sophomores, they will study in the same way the life and thought of the United States in the nineteenth century. The freshmen of 1928-29 will take

up, as this year, the Athenian civilization, but they will also take through the year a course in science, given under the direction of the Experimental College, as a preparation for the study of a modern civilization in the second year.

Students who wish to secure admission to the Experimental College should apply for admission to the freshman class in the regular way (see page 40) and should also engage a room in Adams Hall. (The room reservation may be effected by sending a deposit of ten dollars to the University Bursar, accompanied by a statement of the applicant's intention to enroll in the Experimental College.) They should then notify the Chairman of the Experimental College of their compliance with the formalities. There are no special fees or requirements for admission to the college; the right of application is open to any male student who is regularly admitted to the freshman class. It is implied in the plan that the students shall be, not a special group, but representative in ability and training of the class as a whole.

Students who complete satisfactorily the two-year course in the Experimental College will be given full junior standing in the College of Letters and Science and will be regarded as having taken the "required studies" of one of the general courses in that college. However, students who expect to become candidates for the Bachelor of Arts degree must arrange to meet the foreign-language requirements for that degree; they are at present permitted to take regular university classes in the foreign language of their choice.

In all social ways, the students of the Experimental College are regarded as regular members of the University. They are subject to the same general regulations as to conduct, and their eligibility for teams and activities is determined by the same principles as apply to their fellows enrolled in various other colleges.

Correspondence relative to the work of this college should be directed to the chairman; admission to the University must, however, be secured through the regular channels.

SCHOOL OF COMMERCE

REQUIREMENTS FOR ADMISSION

Students who have acquired at least 58 credits and 58 grade-points acceptable for credit in the general B.A. course of the College of Letters and Science may be admitted to the School; however, not less than 60 credits and 60 grade-points should be acquired before entrance by students who wish to complete the undergraduate curriculum in four semesters.

These entrance credits must include (a), those studies required of freshmen and sophomores in the general B.A. course of the College of Letters and Science of the University (see page 64) and (b), eight credits in elementary economics (Econ. 1a and 1b at this University or the equivalent of these courses). Students are strongly advised also to include in their entrance credits eight in mathematics (four in Math. 7, theory of investment) and six in physical and commercial geography.

TRANSFERS AND SPECIAL STUDENTS

Students with advanced standing from other institutions and transfers from other courses in the University must meet all the requirements of this School. Substantial equivalents will be accepted for required courses, but no requirement will be waived. Courses in business subjects such as accounting, business administration, advertising, business law, etc., pursued in other institutions in the freshman year will not be accepted as equivalents of the courses offered here in these subjects. Only in exceptional cases will courses in these subjcts pursued elsewhere in the sophomore year be accepted in satisfaction of the requirements.

Programs which do not comply with the regulations hereinafter described will be allowed only in the cases of students who are not candidates for a degree, who have had here or elsewhere a course equivalent to two years in the College of Letters and Science of this University, and who have had the prerequisites of the particular subjects they wish to pursue. Until such students have demonstrated their ability to maintain a grade of at least C in the courses to which they are admitted, their status will be that of students on probation.

UNDERGRADUATE COURSE OF STUDY

1. GENERAL

The requirements for the B.A. degree in this School are the same of those of the general B.A course of the College of Letters and Scienc in this University, except (a) that 128 academic credits and 128 grade-points (instead of 120) are required for graduation; (b) that the major in this School must be in economics and must aggregate not less than 41 nor more than 51 credits; (c) that at least as many grade-points as credits must be acquired in the major; (d) that there be included in the major the following courses:

			Credits
(A)	Economics 1a—1b	General economics	8
	Economics 5	Money and banking	3
	Economics 6	Business letter writing	2
	Economics 8a—8b	Elements of accounting	6
	Economics 11	Business management	2
	Economics 13	Marketing methods	3
	Economics 31	Business statistics	3
	*Economics 109	Commercial law	3
	Economics 142	Transportation and public utilities	3
			33

*Offered in the Law School, 1928-29.

(B) Not less than 8 nor more than 18 additional credits in courses selected from the following groups:

I. ACCOUNTING: Theory and practice of accounting, 2 cr; Cost accounting, 2 cr.; Advanced accounting problems, 2 cr.; Auditing, 2 cr.; Accounting systems, 2 cr.; Governmental accounting, 2 cr.; Thesis.

Courses in this group may be elected only by students who have secured a grade of B in Econ. 8b.

II. FINANCE: Business finance, 3 cr; Investments, 2 cr; Financial history of the United States, 3 cr; Money markets, 3 cr; Taxation and tax systems, 3 cr; Public expenditures and tax distribution, 2 cr; Risks and risk-bearing, 3 cr; Credit systems, 3 cr; Agricultural credit, 2 cr; International finance, 3 cr; Thesis.

III. MARKETING: Sales administration, 2 cr.; Retail advertising, 2 cr.; Advertising campaigns, 2 cr.; Merchandising, 2 cr.; Marketing farm products, 3 cr.; Coöperative marketing, 2 cr.; Thesis.

IV. PUBLIC UTILITIES: Transportation problems, 3 cr.; Railroad problems, 3 cr.; Railroad traffic and rates, 3 cr.; Municipal utilities, 3 cr.; Thesis.

V. MANAGEMENT: Labor management, 3 cr; Labor market, 3 cr; Labor problems, 3 cr; Labor legislation, 3 cr; Thesis.

VI. GENERAL BUSINESS: Twelve credits in at least three of the above groups.

VII. COMMERCIAL TEACHERS: The courses in the School of Education required of all candidates for the teachers' certificate in Wisconsin and not less than two courses selected from one of the first five of the above groups.

Undergraduates in this school may take courses aggregating 17 credits per semester, or 18 per semester in case none of their grades during the preceding semester was below B.

2. JUNIOR YEAR

During the first (junior) year in this School, students shall include in their programs only such courses in their major subject as are listed under 1-A above, excluding 109 (Commercial law), together with as many as possible of the language and other courses outside of their major required for graduation (including Math. 7) as were not completed during their freshman and sophomore years.

3. SENIOR YEAR

During the second (senior) year in this School, the programs of lower-group students (those whose grade-points earned during the junior year do not exceed their credits by at least 50%) and of upper-group students (those whose grade-points earned during their junior year exceed their credits by 50% or more) will be differentiated as follows:

(1) Lower-group students must include in their senior programs: (a) those courses outside of their major subject which are required for the degree of B.A. and which were not completed in the preceding years; (b) all the courses listed under 1-A not completed in the preceding years; (c) 8 additional credits *and no more* in courses selected from the first five groups described above, not more than two of which courses may be selected from any one group; and (d) a sufficient number of electives outside of the major to bring the aggregate number of university credits and grade-points earned up to 128.

(2) Upper-group students must comply with conditions (a), (b), and (d) described under (1); must complete at least 8 credits in some one of the first five groups described above, or 12 credits as indicated in Group VI, or the courses indicated in Group VII; must write a thesis in the field of the major, the credits for which may not be counted toward those indicated in the preceding sentence, although they will be counted toward the major; and may elect additional courses in the major provided the total number of credits in it does not exceed 51 out of the 128 required for graduation.

Students who have completed the second (senior) year in this School and fulfilled all the requirements described above will receive the degree, Bachelor of Arts.

PRE-COMMERCE CURRICULUM

RECOMMENDED SEQUENCE

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Engl. 1a—Freshman composition	3	**Engl. 1b—Freshman composition**	3
Math. 1—College algebra	4	Math. 7—Theory of investment	4
Science—5 cr. or History—3 or 5 cr.	3-5	Science—5 cr. or History—3 or 5 cr.	3-5
Foreign language	4-3	Foreign language	4-3
Physical education or military science.	0	Physical education or military science.	0
	14-16		14-16

SOPHOMORE YEAR

Engl. 33a or 30a—Literature	2-3	Engl. 33b or 30b—Literature	2-3
Econ. 1a—General economics	4	Econ. 1b—General economics	4
Foreign language	3-4	Foreign language	3-4
Geog. 5—Commerce geography	3	Geog. 5—Commerce geography	3
Electives	4-2	Electives	4-2
Physical education or military science.	0	Physical education or military science.	0
	15-16		15-16

THE GRADUATE YEAR

REQUIREMENTS FOR ADMISSION. To the graduate year of this School may be admitted students who hold the baccalaureate degree from this or other colleges and universities of good standing and whose personalities, character, and undergraduate records give promise of their ability successfully to meet the requirements outlined below and the demands of the business world for trained specialists and leaders. Applications for admission must be made in writing upon forms supplied by the Graduate School of the University.

UNDERGRADUATE PREREQUISITES. Graduate students who, in their undergraduate courses, have not substantially completed the major requirements described above in sections 1, 2, 3 of the "Undergraduate Course of Study," must complete them either before entering upon the course of study outlined below or in connection with it. For such students more than two semesters of residence will be required for the completion of the course, how much more depending upon the number of credits earned during their undergraduate years towards the undergraduate major described above.

COURSE OF STUDY AND OTHER REQUIREMENTS. The work of the graduate year will center in research seminars in the fields of accounting and statistics, marketing and public utilities, finance, and management, subject to the following regulations:

(1) Each student must select one of the foregoing as his field of specialization.

(2) His work for the year will be directed by the professor in charge of the field selected, who will arrange with him a program which shall include: (a) at least one of the research seminars conducted in the field selected; (b) other courses of graduate grade or seminars offered in the field, or assigned readings and papers to be done under his guidance outside of formal courses, or a combination of courses, readings, and papers which, together with his work in the seminar, will occupy not less than one-third nor more than one-half of his time; and (c) courses of graduate grade offered in the other fields mentioned above or in the Department of Economics outside of these fields, or a combination of the two sufficient, together with the credits granted for the work done under the heads (a) and (b), to aggregate not less than 20 credits for the year.

(3) The quality of the student's work for the year will be tested by a thesis on some topic connected with his field of specialization and by an examination at the close of the year covering the entire year's work and the preliminary work of his undergraduate years in his field of specialization.

(4) Students who successfully pass the tests mentioned under (3) will receive the degree of Master of Arts in Commerce.

THE SCHOOL OF EDUCATION

W. L. Uhl, Acting Director, Professor of Education

In June, 1919, the Board of Regents authorized the establishment of a School of Education within the College of Letters and Science. The school is an outgrowth of the Course for the Training of Teachers established in 1908. The faculty consists of (1) members of the Department of Education, (2) instructors in charge of departmental teachers' courses and other courses required for the University Teachers' Certificate, (3) an additional representative from each department offering departmental teachers' courses, and (4) teachers in the Wisconsin High School.

The school provides professional preparation for teachers of general high-school subjects; principals, superintendents, and supervisors; teachers of agriculture, home economics, industrial and applied arts, physical education; playground and recreation supervisors; and high-school librarians. This preparation rests upon a basis of sound general education and consists of the following parts: (1) special academic instruction in the subjects to be taught; (2) professional training by means of (a) departmental teachers' courses, (b) courses in education and psychology, (c) educational practice, in the Wisconsin High School.

Graduate courses in the various fields of education and opportunity for investigation and research are offered for teachers, administrators, and supervisors who recognize the desirability of graduate study in addition to the four years of college work, and for those who are preparing to become teachers of education in county training schools, normal schools, and colleges.

ADMISSION AND REGISTRATION

1. The completion of the first two years of college work in a college of the University or its equivalent from other institutions, is required for regular admission and registration.

(a) Students who are candidates for the University Teachers' Certificate must, in addition to the usual registration in one of the colleges, register in the School of Education at the beginning of the junior year.

(b) Each registrant must indicate, for the joint approval of the instructor in charge of a departmental teachers' course and the Director of the School of Education, the subject or subjects, preparation for the teaching of which is contemplated. In no case will more than three related subjects be approved (a major subject; a major and one minor subject; a major and two minor subjects).

2. Students electing a teaching major in agriculture, in home economics, in industrial education or applied arts, or in physical education may be admitted and registered in the School of Education in their freshman and sophomore years.

Students who expect to complete the requirements of the School of Education and secure the University Teachers' Certificate should report, *at the beginning of the junior year,* to the office of the Director of the School, Room 123 Bas-

com Hall, immediately after the regular registration in the College of Letters and Science or the College of Agriculture.

Graduates of normal schools and students from other colleges and universities may be admitted with advanced standing, as set forth on page 52.

DEGREES

The School of Education forms administratively a part of the College of Letters and Science. Registrants in the School of Education retain their registration in the College of Letters and Science, or, in the case of those qualifying to teach agriculture or home economics, in the College of Agriculture, and receive upon graduation the degrees to which their college credits entitle them. In addition, upon fulfilling the requirements outlined below, they receive the University Teachers' Certificate.

Students who complete the requirements of either of the four-year courses in industrial education or applied arts receive the degree of Bachelor of Science, Industrial Education, or Bachelor of Science, Applied Arts; and those who complete either of the four-year courses in physical education receive the degree of Bachelor of Science, Physical Education.

INDUSTRIAL SCHOLARSHIPS

For the purpose of encouraging advanced study and special professional preparation for teaching in industrial vocational schools, the Regents have established four industrial scholarships to be awarded to senior or graduate students in the University of Wisconsin. Each scholarship has an annual value of $200. Appointment is for one year and is made upon the joint recommendation of the Chairman of the Department of Industrial Education and Applied Arts and the Director of the School of Education. Additional information concerning these scholarships may be obtained from the Chairman of the Department of Industrial Education and Applied Arts.

WISCONSIN HIGH SCHOOL

The Wisconsin High School, a six-year secondary school opened in September 1911, is maintained by the University as an integral part of the School of Education. The primary purposes of this school are (a) the exemplification of sound educational theory and organization, with special reference to secondary education, and (b) the provision of appropriate facilities for observation and directed teaching.

SUPERVISORY SERVICE BUREAU

During the present year there has been an attempt to coordinate somewhat more fully the various agencies in Wisconsin for the training of teachers. The University's share in this program has included the organization of a supervisory bureau which has arranged for a number of conferences between members of the faculty of the School of Education and graduates of the University who are teaching in Wisconsin. The bureau has also published reports for teachers and has other reports under way. During the coming year the services of this bureau will be considerably increased.

REQUIREMENTS FOR GRADUATION FROM THE SCHOOL OF EDUCATION AND FOR THE UNIVERSITY TEACHERS' CERTIFICATE

Graduation from the School of Education and the recommendation for the University Teachers' Certificate are based upon the following conditions and requirements:

I. A total of 124 credits and 124 grade-points, i.e., in the College of Letters and Science, 4 credits in addition to the total number otherwise required for graduation.

II. The satisfactory fulfillment of the requirements of preparation for teaching:

(a) a major subject,
(b) a major subject and one minor subject, or
(c) a major subject and two minor subjects.

To fulfill the requirements of preparation for teaching the selected major, a student must present credits in amount and kind as prescribed by the department of such major subject. This departmental prescription must in all cases include at least twenty credits, and, in addition, credit for the departmental teachers' course. (See departmental professional requirements, pages 89-97.)

To fulfill the requirements of preparation for the teaching of the selected minor subject or subjects, a student must present credits in amount and kind as prescribed by the department of such minor subjects. This departmental prescription must contain ten credits, exclusive of the departmental teachers' course.

For teachers of special subjects the satisfactory fulfillment of the requirements of the courses in agriculture, home economics, industrial education, applied arts, or physical education, is necessary.

III. The recommendation of the departments of the major and minor subjects, or the responsible authorities of the special courses, as to fitness for teaching.

IV. The presentation of a certificate of physical health and fitness from the University Medical Examiner.

V. The completion of the following professional requirements:

	Credits
Educ. 31—Principles of secondary education	3
Educ. 75—Psychology and practice of teaching	5
Departmental teachers' course	3 or 4
Electives in the Department of Education	4 or 3
	15

VI. Graduates of the professional courses in the state normal schools who register in the School of Education as candidates for the University Teachers' Certificate must present a minimum of six credits in advanced university courses in education, together with the departmental teachers' course in their major.

Under exceptional circumstances another course may be substituted for the departmental teachers' course.

VII. Graduates of the Long Course in Agriculture, graduates receiving the B.S degree in Home Economics, and graduates of the School of Music, who have complied with the regulations relative to registration and to approval of major and minor subjects, will be entitled to receive certificates upon fulfillment of the special professional requirements indicated below: Agriculture, page 89; Home Economics, page 93; Music, page 95.

STATE TEACHERS' LICENSE

Upon fulfillment of the foregoing requirements a student will be recommended by the Director of the School to the President of the University, to receive the certified statement prescribed by section 39.75-1 of the laws of Wisconsin. This certified statement, indicating the subject or subjects the requirements for the teaching of which have been fulfilled, when presented to the State Superintendent, entitles the holder to receive a license to teach for one year in any public school in Wisconsin. Graduates who have received the University Certificate and who present satisfactory evidence of good moral character and two years of successful teaching after graduation are entitled to receive from the State Superintendent an unlimited state certificate.

The fee for state licenses and certificates has been changed by a recent act of the Legislature. Section 39.31, governing this matter, reads as follows: "A fee of two dollars shall be paid to the state superintendent with each application for a license to teach school or for a renewal of such license, or for a state certificate to teach."

It may be noted that the requirements for the University Teachers' Certificate differ somewhat from the minimum fixed by the State Superintendent for a license to teach. For a first license the following credits in education are *required:*

	Credits
1. Educational psychology	3
2. Principles of education (or philosophy of education)	3
3. Teachers' course in major subject	2

Fifteen credits in education are required for a life certificate to teach. For the remaining 7 credits the State Superintendent *recommends* selection from the following list; part must be made up for a renewal license, and the remainder for a life certificate:

	Credits
4. Educational practice or practice teaching	2
5. Teachers' course in minor subject	2
6. History of education	3
7. Technique of instruction	2

More specific information may be obtained from the office of the State Superintendent of Public Instruction or from the office of the Director of the School of Education.

Attention is called to the fact that the minimum requirement of the North Central Association is fifteen hours in education.

COURSES FOR TEACHERS OF SPECIAL SUBJECTS

The University of Wisconsin has for many years provided technical and professional training for teachers of special subjects such as agriculture, home economics, physical education, and industrial and applied arts.

The courses in agriculture and in home economics are given in the College of Agriculture. Students who are planning to teach these subjects, and to qualify for the University Teachers' Certificate, *should register in the School of Education at the beginning of the junior year.* Detailed information concerning all the courses offered may be found in the special bulletins of the College of Agriculture; the requirements for the teachers' certificate appear below.

The courses in industrial education and applied arts and in physical education are given in the School of Education of the College of Letters and Science and are outlined on pages 98-108.

DEPARTMENTAL PROFESSIONAL REQUIREMENTS

Only such departments and courses of instruction are here indicated as are immediately related to the professional work of the School of Education. The announcements of the several departments and colleges of the University should be consulted for more extended and detailed information regarding the courses of instruction open to students who intend to teach.

AGRICULTURE

Students in the College of Agriculture who wish to prepare for the teaching of agriculture in secondary schools must complete, in addition to a major, the general requirements of the Long Course in Agriculture and the fifteen credits in psychology and education required for the University Teachers' Certificate as outlined below. The major consists of a minimum of fifteen elective credits in any department of the College of Agriculture. Students are advised to follow the elective list furnished by the Department of Agricultural Education in order to have proper technical courses.

Students who receive the degree of Bachelor of Science (Agriculture) and who have satisfied the following requirements are entitled to receive the University Teachers' Certificate and a license to teach issued by the State Superintendent: (a) registration in the School of Education at the beginning of the junior year, (b) the recommendation of the College of Agriculture, (c) the completion of the following courses:

	Credits
Educ. 31—Principles of secondary education	3
Educ. 75—Psychology and practice of teaching	5
Agr. Educ. 1—Rural education	2
Agr. Educ. 301—Methods of teaching agriculture in high schools	2
Agron. 302—Departmental teachers' course	3
	15

Graduates of the professional courses of the state normal schools who are majoring in agriculture and who wish to qualify for the University Teachers' Certificate, should elect 8 credits as follows:

	Credits
Education (advanced)	3-4
Agricultural Education (advanced)	2-3
Departmental teachers' course	3

Candidates may be excused from the departmental teachers' course with the approval of the Assistant Dean.

DEPARTMENTAL TEACHERS' COURSE. Agronomy 302. The Teaching of Plant Production. I, II, 3 cr. Prerequisites: Educ. 1; Agronomy 1. Mr. Mortimer.

BOTANY

Students preparing to teach botany, either as a major or a minor subject, are advised to elect courses in both structural and physiological botany, and also those that involve field work.

MAJOR. A minimum of 20 credits from the following courses: Botany 1, 2, 310, 103, 104, 107, 108, 110, 111, 112, 117, 118, 129, 130, 146, 147, 150, 160.

MINOR. A minimum of 15 credits selected from the following courses: 1, 2, 103, 104, 107, 108, 110, 111, 112, 129, 130, 146, 160. Attention is called to courses 1 and 2, which together constitute a year's work and are especially adapted to the needs of those taking a teachers' minor in botany.

DEPARTMENTAL TEACHERS' COURSE. Biology 90 (310). The Teaching of Biology, II; 3 cr. Prerequisite: Major or minor in botany or zoology. Miss Weber.

CHEMISTRY

MAJOR. A minimum of 30 credits, including Chemistry 1a and 1b and at least 6 credits in each of the following, including lectures throughout the year: Chemistry 11, 120, 130.

MINOR. A minimum of 15 credits.

DEPARTMENTAL TEACHERS' COURSE. Chemistry 90 (311). The Teaching of Chemistry. II; 3 cr. Prerequisits: First semester of Chem. 120; Chem. 11a or con reg. Mr. Walton.

COMMERCE

The School of Commerce affords certain facilities for those students who wish to prepare themselves to teach commercial subjects in secondary schools. Such students are advised to consult with the Director of the School of Commerce in the arrangement of elective work.

DEPARTMENTAL TEACHERS' COURSE. Economics 90 (314). The Teaching of Bookkeeping. II; 2 cr. Prerequisite: Senior standing and Economics 8b. Mr. Elwell, Miss Hensey.

DRAWING

See Industrial Education and Applied Arts, page 97.

ECONOMICS

MAJOR. A minimum of 30 selected credits including the thesis.

DEPARTMENTAL TEACHERS' COURSE. The Department of Economics does not offer a regular departmental teachers' course, but will accept a teachers' course in a related subject, such as history.

EDUCATION

For general information concerning the equipment and the courses offered in education, see page 155. For detailed information relative to the special requirements of courses in education for the University Teachers' Certificate, see page 87.

ENGLISH

All students desiring the departmental recommendation to teach English must pass an examination in grammar.

MAJOR: A minimum of 34 credits, including freshman composition and either 6 credits in English 30 or 4 credits in English 33, together with at least one course from each of the following groups: (a) 37, 136, or 137; (b) 34 (3 cr.), 35 (3 cr.), or 40 (4 cr.); (c) 120 or 123; (d) a thesis or equivalent. A thesis is required only of upper-group students; others are required to substitute four credits in courses of the one-hundred group in addition to those offered in satisfaction of the above group requirements. Students entering with advanced standing are generally required to earn 20 credits in English at the University of Wisconsin. Students who have had adequate training in Latin or Greek (usually six years in Latin or four of Greek) may substitute some other English course for 120 or 123.

MINORS A minimum including course 30 or 33, 90 (340), an advanced composition course carried throughout a year (2, 5, or 6) and one of the following groups: (a) 34 and 35; (b) 37, 136, or 137; (c) both semesters of 40. For a minor in English with a major in journalism, see Journalism.

DEPARTMENTAL TEACHERS' COURSES. English 90 (340). The Teaching of English. Prerequisites: Senior standing and satisfactory grade in a qualifying examination covering (1) the elements of grammar, (2) the detection and correction of deviations from standard English, and (3) the English works commonly studied in high schools. This examination is given in the second semester of the junior year. I, II; 4 cr. Mr. S. A. Leonard.

Prerequisites: Senior standing and satisfactory grade in a qualifying examination covering (1) the elements of grammar, (2) the detection and correction of deviations from standard English, and (3) the English works commonly studied in high schools. This examination is given in the second semester of the junior year.

English 192 (341). Problems in the Teaching of English Composition. I;

2 cr. Prerequisite: English 90 (340) or consent of instructor. Mr. S. A. Leonard.

English 343. Problems in the Teaching of English Literature. II; 2 cr. Prerequisite: English 90 (340) or consent of instructor. Mr. S. A. Leonard.

FRENCH

See Romance Languages, page 96.

GEOGRAPHY

MAJOR. A minimum of 30 credits as prescribed by the Department of Geography, including course 90 (346).

MINOR. A minimum of 15 credits including 10 credits in course 4 and 3 credits in course 90 (346).

DEPARTMENTAL TEACHERS' COURSE. Geography 90 (346). The Teaching of High-School Geography. II; 3 cr.

GENERAL SCIENCE

MINOR. Fifteen credits in science, five of which must be in physics, five in chemistry, and five in biology, in addition to the departmental teachers' course, Education 195 (319).

DEPARTMENTAL TEACHERS' COURSES. Education 195 (319). The Teaching of General Science. II; 3 cr. Mr. Davis.

Education 320. The Content of General Science. I; 2 cr. Mr. Davis.

GERMAN

MAJOR. A minimum of 24 credits in advance of course 2b. In addition to the thesis, these credits must include courses 10, (or 112), 347, 348, 130 or 131, 150, and 151.

MINOR. A minimum of courses 10, 90 (347), and at least 8 credits in literaturefrom courses beyond 2b, including 4 credits from courses in Group B (see page 173), i. e., at least 14 credits beyond course 2b.

Students who are preparing to teach German as their major or minor subject and who have done a considerable amount of work elsewhere, or who have had successful teaching experience, may be excused, by action of the department, from some of the required work. Such excuse will generally be granted only on the basis of an examination, and in no case will students be recommended by the department unless they have taken at least four credits of work in the department.

DEPARTMENTAL TEACHERS' COURSES. German 90 (347). The Teaching of German, I; 3 cr. Methods. For seniors and graduates; special permission is necessary for graduate credit. Mr. Griebsch.

German 191 (348). Phonetics. II; 2 cr. For seniors and graduates, with special reference to the teaching of German. Mr. Morgan.

GREEK

MAJOR. A minimum of 20 credits, not including course 1.

MINOR. A minimum of courses 10, 11, and 20 (16 credits).

DEPARTMENTAL TEACHERS' COURSE. The Department of Classics does not offer a regular departmental teachers' course in Greek. Latin 90 (374) is recommended to candidates who desire to teach Greek.

HISTORY

MAJOR. Candidates are held for the regular requirements of the major in this department (see page 175) but must so arrange their courses as to include History 2 (4 credits), and at least a semester course, either elementary or advanced, in each of the fields of ancient and medieval history counting History 5a as medieval history. The departmental teachers' course (History 90 (349)), also required for this certificate, does not give credit in history.

MINOR. A minimum of 16 credits in history, including at least 4 credits in advanced courses; and also History 90 (349).

DEPARTMENTAL TEACHERS' COURSES. History 90 (349), Teaching of History and the Social Studies, I, II; 3 cr. Mr. Phillips.

History 190 (350). Special Problems in the Teaching and Supervision of History and the Social Studies. Yr; 2 cr. Prerequisite: History 90 (349) or consent of instructor. Mr. Phillips.

INDUSTRIAL EDUCATION AND APPLIED ARTS

See pages 97-103.

HOME ECONOMICS

MAJOR. In the general education major, the food major, the textile major, the related art major, or the vocational education major, the minimum requirements in home economics subjects taken during the junior and senior years are 25 credits, four of which represent the thesis or its equivalent. The special courses vary with the major, but not more than 40 strictly home economics credits may be counted toward the 124 credits required for graduation. For details see special bulletin of the Course in Home Economics. The following courses are required for the teachers' certificate:

	Credits
Educ. 31—Principles of secondary education	3
Educ. 75—Psychology and practice of teaching	5
Departmental teachers' course	3-4
Electives in the Department of Education	4-3
	15

MINOR. A minor may be taken in foods, textiles, related art, or housing problems, including 10 to 20 credits in strictly related courses.

(1) A teaching minor in foods includes the teachers' course 90 (352) and Home Economics 1a, 1b, and other related courses, such as 3 and 47, to make 15 to 20 credits in strictly home economics subjects.

(2) A teaching minor in textiles includes Home Economics 5, 10, 11, 20, 50 90 (352), 92, 353), 97, and other courses in home economics to complete 20 credits.

(3) A teaching minor in related art includes Home Economics 2, 12, 20, 8, 18, 84, 94, (354), 95, and related home economics subjects to complete 20 credits.

(4) The housing minor is offered to students majoring in sociology in order that those intending to do special settlement or social welfare work will have a broader foundation knowledge of the fundamental problems in housing. Home Economics 1a, 1b, 70, and other related courses may be elected in the minor.

DEPARTMENTAL TEACHERS' COURSES. Home Economics 90 (352). The Teaching of Home Economics in High Schools. I, II; 4 cr. Prerequisite: Senior standing in a teaching major. Miss Henderson, Miss Jones.

Home Economics 92 (353). Study and Preparation of Illustrative Material for High-School Courses in Textiles and Clothing. II; 2 cr. Prerequisites: Home Econ. 10, 11, 20, 50, and senior standing. Miss Manning and staff.

Home Economics 124 (357). Vocational Education in Home Making. II; 2 cr. History and methods. Miss Henderson.

Home Economics 190 (358). Advanced Course in Home Economics Education. I; 2 cr. Educational problems. Prerequisite: Teaching experience or graduate standing. Miss Henderson.

Home Economics 194 (360). Advanced Course in Related Art Education. I, II; 2 cr. Miss Hillstrom.

Home Economics 290 (361). Supervision in Home Economics. II; 2 cr. Prerequisite: Graduate standing or consent of instructor. Miss Dodge.

JOURNALISM

MAJOR. A minimum of 30 credits, including the usual studies of the School of Journalism and, in addition, the departmental teachers' course, Journalism 90 (370). Students combining a minor in English with this major are not required to take advanced courses in English composition, English 2, 5, or 6.

MINOR. A minimum of 15 credits, including at least the first semester of courses 2 and 3, as well as course 90 (370).

DEPARTMENTAL TEACHERS' COURSE. Journalism 90 (370). The Teaching of Journalism. I; 3 cr. Miss Patterson.

LATIN

MAJOR. A minimum of 24 credits, exclusive of courses 1—4, 10, 90 (374), 112, and the thesis; course 107 and one advanced reading course for one year are required.

MINOR. A minimum of 20 credits, including courses 90 (374), 107, and one advanced reading course for one year.

DEPARTMENTAL TEACHERS' COURSES. Latin 90 (374). The Teaching of Latin. I; 3 cr. Miss Guyles.

LATIN 190 (375). The Background of High-School Latin. II; 2 cr. Prerequisite: Senior standing; 20 major credits in Latin. Miss Guyles.

LIBRARY SCIENCE

The Library School offers for those who are qualifying themselves for positions as high-school librarians the following course:

LIBRARY SCIENCE FOR TEACHERS. Yr; 2 cr. The object of the course is to qualify those taking it to assume, in connection with instructional duties, the supervision of high-school libraries, and to give instruction to high-school students in the use of books and libraries and in the means and methods of developing good habits and right tastes in reading. This course does not qualify for full-time school library positions, but is for teacher-librarians as required by the high schools of Wisconsin. Open to seniors and graduate students, and to juniors by special permission. Miss Hazeltine, Miss King, and other members of the faculty of the Library School.

MATHEMATICS

MAJOR. An undergraduate major in mathematics consists of (a) a minimum of 21 credits which shall include courses 5, 6, 112 or 113, and other courses numbered 100 or above; (b) course 90 (377); (c) a knowledge of solid geometry acquired in the secondary school or elsewhere; (d) course 91 (378) (not required) is recommended as a desirable course for the junior year.

MINOR. The minimum requirement consists of 15 credits, including courses 3 or 4 (or 52), 5a, and 90 (377). It is understood that not fewer than 6 credits in mathematics, in addition to the credits for course 90 (377), shall be earned in residence at the University of Wisconsin with a grade not lower than B. A knowledge of solid geometry acquired in college or elsewhere is expected.

DEPARTMENTAL TEACHERS' COURSES. Mathematics 90 (377). The Teaching of Mathematics. I; 3 cr. Mr. Hart.

MATHEMATICS 91 (378). The Content of Secondary Mathematics. II; 2 cr. Mr. Hart.

MUSIC

The School of Music offers a four-year course leading to the degree of Bachelor of Music; see page 125 for detailed requirements. The following credits are required for the University Teachers' Certificate:

	Credits
Educ. 75—Psychology and practice of teaching	5
Music 44—Principles of music education	3
Departmental teachers' courses	4
Electives in the Department of Education	3
	15

PHYSICAL EDUCATION

See pages 103-108.

PHYSICS

MAJOR. A minimum of 20 credits in approved courses in addition to 4 credits for the thesis.

MINOR. A minimum of 15 credits in approved courses.

DEPARTMENTAL TEACHERS' COURSE. Physics 90 (393). The Teaching of Physics. II; 3 cr. Mr. Steve.

PHYSIOGRAPHY

See Geography, page 92.

PHYSIOLOGY

MAJOR. A minimum of 23 credits as follows: 3 credits in physiological chemistry; 6 credits in anatomy or zoology, as approved by the Department of Physiology; 11 credits in physiology, including thesis; 3 credits in any department of the Medical School, as approved by the Department of Physiology.

In order to fulfill these requirements, Physics 1 or 31, Chemistry 1, and Biology 1 should be completed before the beginning of the junior year.

MINOR. A minimum of 15 credits, including the following courses: Physiology 1, 4 cr; Pathology 5, 2 cr; either Agricultural Bacteriology 1 or 4, 5 cr. General chemistry is strongly advised as a prerequisite to physiology and bacteriology.

ROMANCE LANGUAGES

MAJOR. In French, Spanish, or Italian—27 credits in advance of 1b, including 3 credits in the teachers' course, 90 (344), 4 credits in composition and conversation with an average grade of B or above, 2 credits in phonetics (French or Spanish 190), and 6 credits in French or Spanish literature, of which at least 3 shall be chosen from the following courses: French 122, 123, 126, 131, 132, 136, 137, 139; Spanish 102, 103, 104, 105, 106, 107, 108, 111, 131. French 13 does not count toward the requirement for a teaching major.

Students who intend to specialize in Romance languages are urged to elect related courses in history, modern and classical languages and literatures, comparative literature, philosophy, and the history of art. Students expecting to continue their studies for the M.A. or Ph.D. degrees should note that for satisfactory work in Romance philology some knowledge of Latin is indispensable, and that a reading knowledge of German should be acquired as soon as possible.

MINOR. French, Spanish, or Italian—12 credits in advance of 10b (in French in advance of 13b), including 2 credits in composition and conversation, and course 21, or 3 credits in literature in advance of a third-year college reading course.

Students expecting to teach are advised to take French or Spanish 190, and, if not majoring in a modern foreign language, to take the teachers' course, French or Spanish 90 (344).

DEPARTMENTAL TEACHERS' COURSES. French and Spanish 90 (344). Theory and Practice of Teaching French and Spanish. I, II; 3 cr. Mr. Smith, Miss Johnson.

French 190. Phonetics. I, II; 2 cr. Prerequisite: Three years of College French. Mrs. Greenleaf.

Spanish 190. Pronunciation and Phonetics. I, II; 2 cr. Prerequisite: Three years of college Spanish. Mr. Solalinde.

For regulations concerning the maximum number of credits which may be taken in a single department toward the bachelor's degree, see page 62.

SPEECH

MAJOR. A minimum of 34 credits including the departmental teachers' course.

MINOR. A minimum of 15 credits in approved courses.

DEPARTMENTAL TEACHERS' COURSE. Speech 190 (396). Seminary in Teachers' Problems. I, II; 2-3 cr. Gives graduate credit. Miss Borchers.

ZOOLOGY

MAJOR. A minimum of 20 credits from the following courses: Zoology 1, 2, 9, 102, 104, 105, 111, 119. In special cases other courses may be substituted by permission of the chairman of the department.

MINOR. A minimum of 15 credits from the following courses: Zoology 1, 2, 9, 102, 104. Attention is called to courses 1 and 2, which together constitute a year's work and are especially adapted to the needs of those taking a minor in zoology.

DEPARTMENTAL TEACHERS' COURSE. Biology 90 (311). The Teaching of Biology. I; 3 cr. Prerequisite: Major or minor in botany or zoology. Miss Weber.

INDUSTRIAL EDUCATION AND APPLIED ARTS

See Department of Industrial Education and Applied Arts, page 179, for a complete list of the courses offered. Also see Department of Education, page 155, for a complete listing of courses in vocational guidance and vocational education.

The four major divisions of training and education offered in this department are as follows:

1. Teaching or supervision of industrial arts in public or private schools.
2. Teaching or supervision of art (drawing, design, painting, and art-crafts) in public or private schools.
3. Commercial or industrial art or design.
4. Junior executive work in trade and industry (education and training).

COURSE IN INDUSTRIAL EDUCATION

A. H. EDGERTON, CHAIRMAN, PROFESSOR OF INDUSTRIAL EDUCATION.

The requirements for graduation are 124 credits and 124 grade-points, including 6 credits in mechanical or freehand drawing and from 47 to 62 additional credits in departmental courses in accordance with the options indicated below.

Either a continuous year course in history or two semesters of the same foreign language must be pursued, preferably in the freshman year. The mathematics requirement for this course ordinarily includes one semester each of algebra and trigonometry, but for students who enter the University with advanced standing in these two subjects with a total of less than eight credits in mathematics, an additional course in advanced mathematics will be required.

Students who elect to prepare for junior executive work in trade and industry rather than for teaching positions, may substitute for the credits in education an equal number of credits in related courses outside of this department, with the approval of the chairman. However, it should be distinctly understood that with approval of such a substitution the student sacrifices the privilege of being certified and recommended for teaching by the University.

COURSE IN INDUSTRIAL EDUCATION

LEADING TO THE DEGREE OF BACHELOR OF SCIENCE, INDUSTRIAL EDUCATION COURSE

FOR INDUSTRIAL ARTS TEACHERS

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
English 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
History or foreign language	3-4	History or foreign language	3-4
Mathematics	4	Mathematics	4
Drawing 1—Mechanical drawing	3	Drawing 2—Mechanical drawing	3
Departmental elective	2-3	Departmental elective	2-3
Physical education or military science.	0	Physical education or military science.	0
	15-16		15-16

SOPHOMORE YEAR

Educ. 31—Principles of education	3	Drawing 3—Descriptive geometry	3
Physics or chemistry	5	Physics or chemistry	5
Applied Arts 50—Freehand drawing	3	Drawing 18—Architectural drawing	3
Departmental elective	2-3	Departmental elective	2-3
Free elective	3-1	Free elective	3-1
Physical education or military science.	0	Physical education or military science.	0
	15-16		15-16

JUNIOR YEAR

Educ. 75—Psychology and practice of teaching	5	Ind. Educ. 116—Vocational guidance and counseling problems	2
Ind. Educ. 153—Vocational education	2	or	
or		Ind. Educ. 155—Employe and leadership training problems	(2)
Ind. Educ. 156—The part-time school	(2)	Departmental electives	8-10
Departmental electives	5-8	Free electives	6-2
Free elective	3-1		15-16
	15-16		

SENIOR YEAR

Ind. Educ. 363—Teaching and supervision of industrial arts	2-4	Electives in Education	3-4
or		Ind. Educ. 100—Thesis	2
Ind. Educ. 91—Direction of art and industrial vocations	(2-4)	Departmental electives	5-7
Ind. Educ. 100—Thesis	2	Free electives	6-3
Departmental electives	5-8		15-16
Free electives	5-2		
	15-16		

FOR INDUSTRIAL JUNIOR EXECUTIVES

Students enrolled in the Course in Industrial Education may, if the situation warrants, pursue specialization in industrial junior executive work rather than teacher-training, beginning in the junior year. The subjects selected are determined with the student's adviser and are based upon individual needs and objectives. Courses Ind. Educ. 91 and 155 are required of all who elect the junior executive training.

OPTIONS

Specific suggestions as to the courses best suited to accomplish any one of the group specilizations given below may be secured in conference with the adviser.

1. Mechanical drafting and related technical work.
2. Woodworking trades and industries and related technical work.
3. Metal-working trades and industries and related technical work.
4. Printing trades and industries and related technical work.
5. Clay, tile, and cement industries and related technical work.
6. Electrical trades and industries and related technical work.
7. Building trades and industries and related technical work.
8. Automotive trades and industries and related technical work.

COURSE IN APPLIED ARTS

A. H. EDGERTON, CHAIRMAN, PROFESSOR OF INDUSTRIAL EDUCATION.

A total of 124 credits and 124 grade-points is required for graduation from this course. Of this number, 47 to 62 credits (exclusive of 6 credits in drawing) must be taken in departmental courses in accordance with the options indicated

below. If history is chosen it must be in year courses; if foreign language is chosen it must be in a continuous course in one language throughout the four semesters. The sophomore English course elected in the first semester must be continued in the second semester. The science or mathematics elected in the first semester of the freshman year must be continued throughout the year.

Students who elect to prepare for art in industry (commercial art) rather than for teaching positions, may substitute for the credits in education an equal number of credits outside of this department, with the approval of the chairman. However, it should be distinctly understood that with approval of such a substitution the student sacrifices the privilege of being certified and recommended for teaching by the University.

COURSE IN APPLIED ARTS

LEADING TO THE DEGREE OF BACHELOR OF SCIENCE, APPLIED ARTS COURSE

FOR ART TEACHERS

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
History or foreign language	3-4	History or foreign language	3-4
Mathematics, biology, or chemistry	4-5	Mathematics, biology, or chemistry	4-5
Departmental electives	5-4	Departmental electives	4-5
50. Freehand drawing and perspective, 3 cr.		51. Freehand drawing and anatomy, 3 cr.	
54. Clay modeling, 1 cr.		54. Clay modeling, 1 cr.	
7a. Lettering, 2 cr.		7b. Lettering, 2 cr.	
Physical education or military science.	0	Physical education or military science.	0
	15-16		15-16

SOPHOMORE YEAR

English 30, 33, or 2	2-3	English 30, 33, or 2	2-3
History or foreign language	3	History or foreign language	3
Drawing 1—Mechanical drawing	3	App. Arts 18—Architectural drawing	3
Departmental electives	3-6	or	
55. Advanced drawing, 2 or 3 cr.		App. Arts 57—Mechanical perspective and architectural rendering	(3)
56. Elementary oil painting, 3 cr.		Departmental electives	3-6
62. Elementary design, 3 cr.		55. Advanced drawing, 2 or 3 cr.	
Free electives	4-1	56. Elementary oil painting, 3 cr.	
Physical education or military science.	0	62. Elementary design, 3 cr.	
	15-16	Free electives	4-1
		Physical education or military science.	0
			15-16

JUNIOR YEAR

Educ. 75—Psychology and practice of teaching	5
Departmental electives	7-10
60. Block printing and etching, 2 cr.	
63. Art in industry, 3 cr.	
70. Art metal, 3 cr.	
71. Elementary pottery, 1 cr.	
72. Design applied to industrial products, 3 cr.	
124. Coordination, 2-6 cr.	
Free electives	4-1
	16

Educ. 31—Principles of secondary educ.	3
Departmental electives	7-10
63. Art in industry, 3 cr.	
70. Art metal, 3 cr.	
71. Elementary pottery, 2 cr.	
304. Primary applied and industrial arts, 2 cr.	
124. Coordination, 2-6 cr.	
140. Stage design, 2 cr.	
Free electives	6-2
	16

SENIOR YEAR

App. Arts 306—Organization and administration of school art	3-4
App. Arts 100—Thesis	2
Departmental electives	5-8
307. Administration of secondary school art, 2 cr.	
130. Pro-seminary, art in industry, 2-3 cr.	
132. Portrait and decorative painting, 3 cr.	
134. Pro-seminary in applied arts, 2 cr.	
Free electives	5-2
	16

Electives in Education	3-4
App. Arts 100—Thesis	2
Departmental electives	5-7
308. Topical art teaching problems, 2-3 cr.	
130. Pro-seminary, art in industry, 2 cr.	
131. Advanced design, 2-3 cr.	
132. Portrait and decorative painting, 3 cr.	
Free electives	6-3
	16

FOR ART IN INDUSTRY SPECIALISTS

Students who desire to specialize in some specific division of art in industry, such as lithography, advertising, fashion drawing, etc., will meet the departmental and university requirements as presented for the freshman and sophomore years of the art teacher-training course.

In the junior year, Applied Arts 63, a course intended to aid in the selection of a major art occupation, is required of all students majoring in art in industry. Preferably this selection is made by the end of the first semester, while in the second semester (a period of specialized training) the student, by electing departmental courses, in every way increases his professional efficiency in the selected pursuit. The 15 credits in education required for the University Teachers' Certificate must be replaced by non-departmental electives related to this major art and approved by the departmental chairman.

For students with sufficient preparation, Applied Arts 124, the on and off-campus coordination training, may be taken in the junior year by special permission of the adviser. Ordinarily this course is elected in the first semester of the senior year.

Other required courses are Applied Arts 100, the senior thesis, and for the second semester of the senior year, Applied Arts 91 (a substitute for Applied Arts 306) and 130, a pro-seminary of art in industry. Departmental electives for the senior year should be based upon the student's major interest in art in industry. A total of 124 credits is required for graduation.

ELECTIVE SUBJECTS

The following subjects may be included as departmental electives:

City Plan. 101—City planning and zoning	2	Home Econ. 8—House decoration	2
Econ. 15—Retail advertising	2	Home Econ. 18—House decoration (lab.)	2
Home Econ. 95—Weaving	1-2	Home Econ. 20—Elem. costume design.	2
Hort. 6—Landscape gardening	3	Home Econ. 94—Adv. applied design	3

The following are a few of the general electives recommended for the consideration of students in this course:

Art History—European art history	2-3	Anat. 120—Anatomy	6
Econ. 1a—General economics	4	Art History—European art history	2-3
Econ. 4—Social problems	3	Econ. 1b—General economics	4
Econ. 122—Labor problems	3	Econ. 46—Social origins	3
Psych. 1—Introductory psychology	3	Econ. 171—Employment management	3
Psych. 115—Vocational aptitude testing	3	Greek 122—Classical art	1-3
Speech 1—Fundamentals of speech	3	Speech 8—Extempore speaking	2

MINOR IN INDUSTRIAL EDUCATION OR APPLIED ARTS FOR STUDENTS IN THE B.A. OR PH.B. (GENERAL) COURSES

Candidates for the University Teachers' Certificate and the degree of B.A. or Ph.B. (General Course) may take one of the minors offered in the Department of Industrial Education and Applied Arts, in accordance with the following regulations:

(1) If the minor is of such scope that completion of it does not entail a total amount of work in excess of 130 credits, only such courses (forming part of the minor) shall be counted toward the 124 credits required for graduation and the teachers' certificate as may be counted toward graduation by Letters and Science students not taking a minor in Industrial Education or Applied Arts. But if the minor is of such content that completion of it under this rule would entail a total amount of work equal to 132 credits, then an additional starred 2-credit course may be counted as if it were unstarred, so that the student may complete his entire course, including teachers' certificate and minor in Industrial Education or Applied Arts, with 130 credits.

(2) To receive credit for starred courses in Industrial Education or Applied Arts included in any given minor, the entire minor must be completed.

(3) Students taking a minor in Industrial Education or Applied Arts (if on that account more than 124 credits must be earned) may carry seventeen credits each semester, in the junior and senior years, without reference to their former grades, on condition that such a program shall include at least one starred course in Industrial Education and Applied Arts.

ADVANCED STANDING

Without changing the standards as herein prescribed, transfers of credit shall be made, if possible, to permit a student who has completed the work of

an accredited four-year high school and, in addition, two years of approved work in an institution of normal or college grade, to graduate in two years. The program of each registrant is to be determined by choosing from the appropriate curriculum in Industrial Education or Applied Arts those subjects for which he does not have credit or which he has not pursued.

Transfer of credit for academic subjects shall be under existing university regulations, and transfer of credit for industrial arts and applied arts subjects shall be made upon the basis of the recommendation of the Department of Industrial Education and Applied Arts.

PHYSICAL EDUCATION

Professional courses for teachers of physical education and for directors of play and recreation were organized at the beginning of the year 1911-12. The course as it was first instituted was adapted to the needs of both men and women in one curriculum, but as the scope of the field developed, incorporating more and more of the informal side of physical education, particularly games and athletics—the more natural forms of exercise—there has come more specialization within the field itself. Notwithstanding the fact that the formal side of physical education has not been overlooked, and that the former course made ample provision for the qualification of men and women to accept responsible positions as physical educators, the demand now in the educational field requires men to be especially fitted to coach, direct, and supervise all forms of games and athletics, as well as to teach the formal and corrective phases of physical education. With these distinctions in mind as to the requisites for men and women in this particular vocation, the Faculty of the University in 1925 approved separate and distinct courses for men and for women, as outlined below, both leading to the degree of Bachelor of Science in Physical Education.

Provision is also made for students who desire to do their minor work in physical education in preparation for combining leadership in physical education activities with academic subjects in the high school, for students who desire a familiarity with the problems of physical education as a part of their equipment as principals or superintendents in public schools, or for positions as directors of social centers, and for students desiring academic courses in physical education as a part of a liberal education.

COURSE IN PHYSICAL EDUCATION AND ATHLETIC COACHING FOR MEN

LEADING TO THE DEGREE OF BACHELOR OF SCIENCE, PHYSICAL EDUCATION COURSE

G. S. LOWMAN, CHAIRMAN, PROFESSOR OF PHYSICAL EDUCATION

A total of 124 credits and 124 grade-points is required for graduation from this course. Students who present three high-school units in one foreign language, or a total of four units in two languages, are exempt from further study of foreign language. Students who present less than this amount of foreign language are required to secure eight credits in one language, and also to carry a year of sophomore composition. See entrance requirements, page 40.

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Foreign language, mathematics, or history	4-5	Foreign language, mathematics, or history	4-5
Chem. 1a—General chemistry	5	Chem. 1b—General chemistry	5
Phys. Ed. 6—Theory and practice	3	Phys. Ed. 7—Theory and practice	3
Physical education or military science.	0	Physical education or military science.	0
	15-16		15-16

SOPHOMORE YEAR

Zool. 1—Animal biology	5	Zool. 2—General zoology	5
Anat. 39—Human anatomy	4	Physiology 3—Animal physiology	4
Educ. 31—Principles of secondary education	3	Academic elective	2-3
Phys. Ed. 8—Theory and practice	3	Phys. Ed. 16—First aid to injured	1
Physical education or military science.	0	Phys. Ed. 9—Theory and practice	3
		Physical education or military science.	0
	15-16		15-16

JUNIOR YEAR

Phys. Ed. 58—Human mechanics	2	Phys. Ed. 107—Effects of physical activities on the body	3
Phys. Ed. 59—Nature, function, and organization of play	3	Phys. Ed. 5 or 119—Hygiene	2
Educ. 75—Psychology and practice of teaching	5	Phys. Ed. 163—Therapeutic gymnastics	2
Phys. Ed. 114—Physiological chemistry	3	Electives in Education	3-4
Phys. Ed. 10—Theory and practice	3	Academic elective	2-3
		Phys. Ed. 11—Theory and practice	3
	15-16		15-16

SENIOR YEAR

Phys. Ed. 163—Therapeutics	2	Phys. Ed. 168—Organization and administration	2
Phys. Ed. 118—Physical examination	3	Phys. Ed. 388—Teaching and adaptation	3-4
Phys. Ed. 100—Thesis	2	Phys. Ed. 164—School health problems.	2
Academic electives	4-6	Phys. Ed. 100—Thesis	2
Phys. Ed. 12—Theory and practice	3	Academic electives	2-4
		Phys. Ed. 13—Theory and practice	2-3
	14-16		14-16

DEPARTMENTAL ELECTIVES

Phys. Ed. 80—Community recreation	2
Phys. Ed. 166—Physical therapy	3

COURSE IN PHYSICAL EDUCATION FOR WOMEN

LEADING TO THE DEGREE OF BACHELOR OF SCIENCE, PHYSICAL EDUCATION COURSE

BLANCHE M. TRILLING, CHAIRMAN, PROFESSOR OF PHYSICAL EDUCATION

No student will be accepted as a student in this course for less than three years of study, except by transfer from an accredited course in physical education. A student is on probation with the department for her first year. At the end of that time, if she has not met the departmental standard of scholarship, general aptitude, health, and ability, the department reserves the right to decide whether or not she may continue in the course.

A total of 124 credits and 124 grade-points is required for graduation from this course. Students who present less than four high-school units of foreign language are required to earn 14 credits in one language, and those who present four units are required to earn 8 credits in one language. See entrance requirements, page 1.

GRADUATE WORK. In addition to the undergraduate curriculum outlined below, opportunity is offered for graduate work leading to an M.A. or an M.S. in Physical Education. For further information see Graduate Bulletin.

FRESHMAN YEAR

Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Foreign language	4	Foreign language	4
Chem. 1a—General chemistry	5	Chem. 1b—General chemistry	5
History or mathematics	3-4	History or mathematics	3-4
Phys. Ed. 20—Practice in dancing, gymnastics, and sports	0	Phys. Ed. 43—Folk dancing†	(1)
		Phys. Ed. 20—Practice in dancing, gymnastics, and sports	0
	15-16		15-16

†Postponed if mathematics is elected.

SOPHOMORE YEAR

Physics 65—General physics	3	Physics 65—General physics	3
Zool. 3—Elementary zoology	3	Phys. Ed. 120—Human anatomy	6
Foreign language or elective	3-5	Foreign language or elective	3-5
Phys. Ed. 42—Plays and games	1	Phys. Ed. 31—Principles of coaching	2
Phys. Ed. 49—Folk dancing	1	Phys. Ed. 20—Practice	0
Phys. Ed. 59—Nature, function, and organization of play	3		
Phys. Ed. 20—Practice	0		
	14-16		14-16

JUNIOR YEAR

Phys. Ed. 56—Kinesiology	3	Phys. Ed. 115—Physiology	5
Phys. Ed. 115—Physiology	5	Phys. Ed. 5 or 119—Hygiene	2
Phys. Ed. 114—Physiological chemistry	3	Phys. Ed. 163—Therapeutic gymnastics	2
Phys. Ed. 32—Principles of coaching	2	Phys. Ed. 41 (387)—Selection and practice of activities	2
Electives	1-3	Educ. 31—Principles of secondary educ.	3
Phys. Ed. 20—Practice	0	Phys. Ed. 33—Principles of coaching	2
		Phys. Ed. 20—Practice	0
	14-16		16

SENIOR YEAR

Phys. Ed. 90 (388)—Principles of teaching and adaptation	4	Phys. Ed. 118—Physical examination	3
Phys. Ed. 163—Therapeutic gymnastics	2	Phys. Ed. 168—Organization and administration	2
Elective in education	3	Education 75—Psychology and practice of teaching	5
Phys. Ed. 100—Thesis	2	Phys. Ed. 100—Thesis	2
Electives	3-5	Electives	2-4
Phys. Ed. 20—Practice	0	Phys. Ed. 20—Practice	0
	14-16		14-16

Practice teaching included in Phys. Ed. 90 (388) and Educ. 75.

MAJOR IN DANCING

The following is a suggested outline showing the possibility of completing this course in four years. In the case of speech and music, other required courses than those mentioned may be substituted.

FRESHMAN YEAR

Same as freshman year of general option, excepting that Phys. Ed. 43 is omitted and some other science may be substituted for chemistry.

SOPHOMORE YEAR

Educ. 31—Principles of secondary educ.	3	Phys. Ed. 120—Human anatomy	6
Physiology 1—Human physiology	4	Speech 2—Fundamentals of speech	3
Speech 1—Fundamentals of speech	3	Engl. 33b or 30b—Literature	2-3
Engl. 33a or 30a—Literature	2-3	Phys. Ed. 49—Folk dancing	1
Phys. Ed. 60—Rhythmic form and analysis	1	Elective	3-4
Elective	2-3	Phys. Ed. 20—Practice	0
Phys. Ed. 20—Practice	0		
	15-16		15-16

JUNIOR YEAR

Educ. 75—Psychology and practice of teaching	5	Art history	3
Art history	3	Speech 16—Dramatic expression	2
Phys. Ed. 56—Kinesiology	3	Speech 19—Dramatic production	3
Philosophy	3	Philos. 25—The relation of man to nature	3
Speech 16—Dramatic expression	2	Electives	5
Phys. Ed. 20—Practice	0	Phys. Ed. 20—Practice	0
	16		16

SENIOR YEAR

Music 65—Appreciation	1	Music 65—Appreciation	1
Music 67—Pageantry	3	Philosophy	3
Phys. Ed. 146—Philosophy of dancing	3	Phys. Ed. 165—Dance composition	2
Phys. Ed. 388—Teaching and adaptation	3	Thesis	2
Elective	2	Electives	8
Thesis	2	Phys. Ed. 20—Practice	0
Philosophy	3		
Phys. Ed. 20—Practice	0		
	16		16

MINOR IN PHYSICAL EDUCATION

The minor in physical education enables students to specialize in the subject even though they do not adopt it as a major. Provision is thus made for students to qualify themselves to teach physical education in connection with academic subjects in the high schools. Courses marked with a star (⋆) cannot be counted toward graduation by students in the College of Letters and Science who are not registered in one of the regular four-year curricula in physical education.

Any *one* of the minors enumerated below may be elected by candidates for the University Teachers' Certificate under the following provisions: (1) to receive credit for starred courses in physical education included in any given minor the entire minor must be completed; (2) the total number of credits required for graduation with the certificate is, for students taking a minor in physical education, 128, of which not more than 12 may be in physical education; (3) this total may be attained either by work done during an additional period of residence, or by carrying 17 credits each semester, provided, however, that such a program must include at least one starred course in physical education.

FOR MEN

1. ATHLETIC COACHING; 12 credits. This minor is offered to qualify men to meet the demands of high schools and colleges for men to coach and supervice athletics in connection with the teaching of some academic subject. Practical work which is required, but given no academic credit, is to be arranged at the discretion of the department according to the student's needs.

	Credits
Phys. Ed. ⋆90 (388)—Teaching and adaption	3
Phys. Ed. ⋆17—Athletic training and first aid	2
Phys. Ed. ⋆168—Organization and administration of physical education and athletics	2
Phys. Ed. ⋆29—Technique of football	1
Phys. Ed. ⋆23—Technique of basketball	1
Phys. Ed. ⋆24—Technique of track	1
Phys. Ed. ⋆21—Technique of gymnastics	1
Choice of two other special techniques	2

2. GYMNASTICS OR FORMAL PHYSICAL EDUCATION; 12 cr. This minor is intended to meet the needs of those students who wish to combine the teaching of physical education with their major subject. Practical work which is required, but given no academic credit, is to be arranged at the discretion of the department according to the student's needs.

	Credits
Phys. Ed. ⋆90 (388)—Teaching and adaption	3
Phys. Ed. ⋆58—Human mechanics (including essentials of kinesiology, physiology of exercise, and physiology)	2
Phys. Ed. ⋆61—Physical education in elementary and secondary schools	2
Phys. Ed. ⋆71—Scouting and other adolescent organizations	2
Phys. Ed. ⋆22—Technique of plays and games	1
Phys. Ed. ⋆21—Teaching of gymnastics	1
Choice of two other special techniques	2

FOR MEN AND WOMEN

3. COMMUNITY RECREATION; 12 credits. This minor is offered to meet the demand for play and recreational leaders especially equipped for the organization, administration, and supervision of play and recreational activities in various communities and industrial concerns. The department will advise with the student in the choice of techniques, according to the field of work the student purposes entering, and additional practice work without credit may be required at the discretion of the department.

	Credits
Phys. Ed. 16—First aid to the injured	1
Phys. Ed. 59—Nature, function, and organization of play	3
Phys. Ed. 80—Community recreation	2
Phys. Ed. ★71—Scouting and other adolescent organizations	2
or	
Phys. Ed. ★81—Camp leadership	(2)
Phys. Ed. ★22 or ★42—Technique of plays and games	1
Choice of three other special techniques	3

The following additional courses are suggested for those electing the Recreation Minor:

Econ. 46—Social origins	3
Econ. 140—General sociology	3
Econ. 1a, 1b—General economics	8
App. Arts ★304—Art and industrial arts in primary grades	2-3
Home Economics	
Music 67—Community music, festival, and pageant movements	2
Music 78—Community music	2

FOR WOMEN

4. PHYSICAL EDUCATION—GYMNASTICS; 12 credits. This minor is intended to meet the needs of those students who wish to combine the teaching of physical education with their major subject in secondary and elementary schools. Practical work which is required, but given no academic credit, is to be arranged at the discretion of the department according to the student's needs.

	Credits
Phys. Ed. ★56—Kinesiology (Anatomy 120 a prerequisite)	3
Phys. Ed. ★90 (388)—Teaching and adaptation, including practice teaching	4
Phys. Ed. ★41 (387)—Selection and practice of activities for elementary and secondary schools	2
	9
Physiology 1—Elements of physiology	(3)

The two additional credits in physical education may be elected from the following group of courses:

	Credits
Phys. Ed. 16—First aid to the injured	1
Phys. Ed. ★81—Camp leadership	2
Phys. Ed. ★42, ★43, ★49—Special techniques	1-2

SCHOOL OF JOURNALISM

WILLARD G. BLEYER, DIRECTOR, PROFESSOR OF JOURNALISM

PURPOSE AND PLAN. The studies included in the School of Journalism are of two kinds: (1) those designed to familiarize the student with present social, political, and economic conditions in the light of their origin and development, as well as with the literature of his own and other languages; (2) those intended to give the necessary instruction in the methods of journalism and advertising. The course of study has been arranged in the belief that the greater part of the time should be devoted to a study of the subjects in the first group, such as history, political science, economics, sociology, philosophy, psychology, language, and literature, which are fundamental to journalistic work.

The technical work includes courses in reporting, copy reading, headline writing, make-up, the writing of special articles, editorial writing, critical writing, women's departments in newspapers and magazines, the community newspaper, newspaper administration, the history and principles of journalism, the law and the press, and advertising. Courses are also offered in the methods of retail advertising, national advertising campaigns, business letter writing and marketing methods. Representative French and Spanish newspapers are studied in special courses for journalism students, given by the Department of Romance Languages. Courses in cartooning and in drawing for illustration are offered by the Department of Industrial Education and Applied Arts.

ADVERTISING. Students may obtain special training in preparation for advertising positions by combining courses in journalism with those in advertising. The normal arrangement of these courses is indicated in the Advertising Group on page 116.

TECHNICAL AND TRADE JOURNALISM. Although the curriculum in this school has been arranged primarily for students preparing for newspaper and magazine work, provision has also been made for those interested in technical and trade journalism. The courses in newspaper and magazine work may be elected by students in the professional schools and courses. Subject to the provisions governing the election of studies in other colleges (see page 59), students in the School of Journalism may elect courses in the College of Engineering, the Law School, and the College of Agriculture. By combining studies in commerce, agriculture, engineering, and other technical subjects with those outlined in the School of Journalism, students can obtain the necessary preparation for practically all lines of technical and trade journalism.

LABORATORY EQUIPMENT. A newspaper office with typewriters, copy desk, files, indexes, and reference books is maintained as a laboratory for the students of journalism. The full leased wire service of the United Press is received by printer telegraph. Index and filing cases show methods of preserving photographs, illustrations, clippings, and biographical and statistical material. In a printing laboratory especially equipped for the purpose, students are given practical training in the principles of typography in connection with the courses in

editing, advertising, and newspaper administration. A reading room adjoining the journalism laboratory is provided with files of the leading newspapers of the country, as well as of important American and English journalistic periodicals.

PRACTICAL EXPERIENCE. Students preparing for journalism are given practical training on the two Madison daily newspapers, the editors of which coöperate with the instructors in journalism for this purpose. The editors of a number of Wisconsin weekly papers coöperate in giving students in the course in the Community Newspaper practical experience for a week during the spring recess. Places on the editorial and business staffs of student publications are awarded for the most part on a basis of literary and executive ability, and are open to all students. The *Daily Cardinal,* published as a morning newspaper in a printing plant of its own, is edited by a staff organized from the students interested in journalism, who thus get practice in all the details of newspaper making. The *Wisconsin Literary Magazine,* a monthly devoted to special articles, short stories, verse, and essays; the *Octopus,* a humorous periodical; and the *Badger,* the university annual, edited and published by the members of the junior class, all give opportunity for a variety of experience in journalism. The *Wisconsin Engineer,* a monthly edited and published by the students of the College of Engineering; the *Wisconsin Country Magazine,* a monthly edited and managed by the agricultural students; and the *Commerce Magazine,* a monthly issued by the Commerce Club, furnish practice for those interested in technical and trade journalism.

ADMISSION REQUIREMENTS. For admission to this School, students must be eligible for junior standing in the College of Letters and Science as a result of having completed satisfactorily the first two years of the general course leading to the degree of Bachelor of Arts. A minimum of 58 credits is necessary for junior standing, but students are advised to present at least 60 credits for admission to the School of Journalism if they expect to complete in two years of residence the 124 credits required for graduation from the School of Journalism. Credits that are lacking may be secured by attendance at the summer session or by correspondence study, during the period between the junior and senior years.

Students entering the University as freshmen or sophomores should undertake to complete not only the studies required in the first two years of all candidates for the degree of Bachelor of Arts in the general course, but also such other studies as are prerequisite for advanced courses in the curriculum of the School of Journalism. The required and elective courses recommended for the freshman and sophomore years are as follows:

	Credits
Freshman English	6
Two years of foreign language, preferably French or German	14
A freshman history course, or modern history	6
One year of a laboratory science	10
General survey of English literature	6
Elementary economics	8
American government and politics	6
General survey of journalism (for Univ. of Wisconsin freshmen only)	2
Newspaper reporting and correspondence (may be taken in junior year)	6

Students who have completed two or more years in another institution (college, university, or normal school), must be eligible for junior standing in the general course of the College of Letters and Science leading to the degree of Bachelor of Arts, in order to be admitted to the School of Journalism. If they desire to complete the requirements for graduation from the School of Journalism in two years, they should present the same or equivalent credits for admission to the School that students do who have attended the University for the first two years of their college work. Credits in journalism are not essential for admission. Students from other institutions should send a certified copy of their preparatory school and academic records to the Chairman of the Committee on Advanced Standing, Bascom Hall, before coming to the University.

REQUIREMENTS FOR GRADUATION. A total of 124 credits is required for graduation, including those secured during the first two years of college work and those obtained in the junior and senior years in the School of Journalism. Of this total, 30 credits must be taken in journalism, inclusive of 4 credits for the thesis required of all seniors. The total number of grade-points secured in courses other than journalism must equal the total number of credits in these courses. The total number of grade-points in all courses in journalism must be fifty per cent greater than the total number of credits secured in these courses.

Students are required to have 32 credits in one or more foreign languages for graduation from the School of Journalism, part of which may be taken in preparatory schools; each year of foreign language satisfactorily completed in a high school or academy is counted as four credits up to a maximum of 24 toward the required 32 credits. It is advisable for students to complete as much of the foreign-language requirement as possible before entering the School of Journalism. A reading knowledge of at least one modern foreign language, preferably French or German, is desirable before graduation from the School of Journalism.

The other required courses for graduation from the School of Journalism and the number of credits to be secured in each are as follows:

I. Journalism — Credits

Newspaper reporting (Journ. 2) (to be taken in the sophomore year if possible)	6
Copy reading (Journ. 3)	6
Editorial writing (Journ. 104)	2
The writing of special articles (Journ. 105)	2
History of journalism (Journ. 110)	3
Principles of journalism (Journ. 111)	3
Retail advertising (Economics 15)	2
Thesis (Journ. 100)	4

II. Fifteen or sixteen credits from at least three of the five following groups:

1. History, 6 credits.

Recent history of the United States (History 124)	6

2. Economics, 6 credits
   Evolution of industry (Econ. 119), or Capitalism and socialism (Econ. 144) 3
   Labor problems (Econ. 122), or American labor history (Econ. 145) 3

3. Political Science, 6 credits
   Survey of world politics (Pol. Sc. 125), or International organization and the League of Nations (Pol. Sc. 137) 3
   Practical problems of municipal government (Pol. Sc. 114), or Social problems of municipal government (Pol. Sc. 115), or Municipal administration (Pol. Sc. 135) 3

4. Sociology, 3 credits
   Social psychology (Econ. 139), or General sociology (Econ. 140) 3

5. Philosophy, 3 credits
   Logic (Phil. 11), or Introduction to philosophy (Phil. 21), or Man and nature (Phil. 25), or Ethics (Phil. 41) 3

A thesis presenting in typewritten form the results of a year's research in either historical or contemporary phases of newspapers, magazines, or advertising, is required of all seniors in the School of Journalism. These theses are bound and filed in the University Library.

The degree of Bachelor of Arts in Journalism is granted to students who complete the requirements for graduation.

PRE-JOURNALISM CURRICULUM

RECOMMENDED SEQUENCE

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Journ. 1—General survey	1	Journ. 1—General survey	1
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Foreign language (one or two)	3-8	Foreign language (one or two)	3-8
History 1, 5, or 10	(3)	History 1, 5, or 10	(3)
Mathematics or science	4-5	Mathematics or science	4-5
Physical education or military science.	0	Physical education or military science.	0
	15-16		15-16

SOPHOMORE YEAR

Journ. 2—Newspaper reporting	3	Journ. 2—Newspaper reporting	3
Engl. 30a—Survey of English literature	3	Engl. 30b—Survey of English literature	3
Hist. 2—Modern history	3	Hist. 2—Modern history	3
or		or	
Foreign language	(2-3)	Foreign language	(2-3)
Pol. Sci. 7a—American govt. and politics	3	Pol. Sci. 7b—American govt. and politics	3
Econ. 1a—General economics	4	Econ. 1b—General economics	4
Physical education or military science.	0	Physical education or military science	0
	15-16		15-16

COURSE IN JOURNALISM

The course of study in the School of Journalism consists partly of required courses and partly of elective ones. These required and elective courses are arranged in four groups—the general newspaper group, the community newspaper group, the advertising group, and the group for teachers—to indicate the special preparation desirable for careers in each of these fields. The required courses in journalism are marked with an asterisk. The other required courses that the student may select from three of the five groups (see page 112) are marked with a dagger. Recommended elective courses are unmarked.

GENERAL NEWSPAPER GROUP

JUNIOR YEAR

First Semester	Credits	Second Semester	Credits
*Journ. 3—Copy reading	3	*Journ. 3—Copy reading	3
*Journ. 105—Writing of feature articles.	2	Journ. 107—Special feature articles	2
Psych. 1—Introductory psychology	3	Journ. 23—Women's departments	2
†Pol. Sci. 125—World politics	3	†Pol. Sci. 115—Municipal problems	3
†Pol. Sci. 137—International organization	(3)	†Pol. Sci. 135—Municipal administration	(3)
*Econ. 15—Retail advertising	2	†Phil. 11, 21, 25, or 41	3
Elective	3	Elective	3
	16		16

Electives

Journ. 7—Community newspaper	2	Journ. 8—Newspaper administration	2
German 14—Germany of today	2	German 14—Germany of today	2
French 18—France of today	2	French 18—France of today	2
Span. 17—Spain and S. America today	2	Span. 17—Spain and S. America of today	2
Econ. 13—Marketing methods	2	Econ. 16—Advertising campaigns	2
Econ. 5—Money and banking	3	Econ. 5—Money and banking	3
Econ. 4—Social problems	3	Hist. 112—Representative Americans	3
Pol. Sci. 122—Political parties	3	Hist. 120—American foreign policies	3
Hist. 139—Europe since 1815	3	Hist. 139—Europe since 1815	3
Engl. 40—American literature	2	Engl. 40—American literature	2
Engl. 138—Prose style	2	Engl. 138—Prose style	2
Engl. 143—Familiar essay	2	Engl. 147—English essayists	2

SENIOR YEAR

*Journ. 104—Editorial writing	2	Journ. 112—The law and the press	2
*Journ. 110—History of journalism	3	*Journ. 111—Principles of journalism	3
*Hist. 124—Recent history of the U. S.	3	*Hist. 124—Recent history of the U. S.	3
†Econ. 119—Evolution of industry	3	†Econ. 145—American labor history	3
†Econ. 144—Capitalism and socialism	(3)	†Econ. 140—General sociology	(3)
†Econ. 122—Labor problems	(3)	*Thesis	2
†Econ. 139—Social psychology	(3)	Elective	3
†Pol. Sci. 114—Municipal problems	(3)		
*Thesis	2		
Elective	3		
	16		16

Electives

Econ. 142—Public utilities	3	Econ. 142—Public utilities	3
Hist. 147—Modern Britain	3	Journ. 106—Critical writing	2
Phil. 43—Business ethics	2	Hist. 147—Modern Britain	3
Psych. 50—Applied psychology	2	Phil. 41—Ethics	3
Pol. Sci. 126—Principles of legislation	2	Psych. 23—Psychology of business	2
Pol. Sci. 127—English government	3	Pol. Sci. 128—Governments of Europe	3
Comp. Lit. 67—Contemporary drama	2	Comp. Lit. 67—Contemporary drama	2
Comp. Lit. 68—Contemporary novel	2	Comp. Lit. 68—Contemporary novel	2
Engl. 7—Narrative composition	2	Engl. 7—Narrative composition	2
Art. History 151—Italian painting	2-3	Art. History 152—Northern art	2-3

GRADUATE YEAR

*Journ. 201—Influence of the press	*Journ. 201—Influence of the press
Journ. 202—Journalistic style	Journ. 202—Journalistic style
Pol. Sci. 245—European political thought	Pol. Sci. 245—European political thought
Pol. Sci. 255—World politics	Pol. Sci. 255—World politics
Econ. 246—Social institutions	Pol. Sci. 256—Contemporary political thought
Econ. 262—The American family	Econ. 260—Seminary on cities
City Planning 101—City planning	Econ. 261—Group conflicts
Econ. 124—Taxation	Econ. 195—Municipal utilities
Public officers and elections	Econ. 176—History of social thought
*Thesis	Municipal corporations
	*Thesis

COMMUNITY JOURNALISM GROUP

JUNIOR YEAR

*Journ. 3—Copy reading	3	*Journ. 3—Copy reading	3
*Journ. 105—Writing of feature articles.	2	Journ. 107—Special feature articles	2
*Journ. 7—Community newspaper	2	*Journ. 8—Newspaper administration	2
*Econ. 15—Retail advertising	2	Journ. 23—Women's departments	2
Psych. 1—Introductory psychology	3	†Phil. 11, 21, 25, 41	3
†Pol. Sci. 125—World politics	3	†Pol. Sci. 115—Municipal problems	3
†Pol. Sci. 137—International organization	(3)	†Pol. Sci. 115—Municipal problems	(3)
Econ. 25—Rural life	(3)	Elective	4
Elective	(3)		
	16		16

Electives

Econ. 13—Marketing methods	2	Econ. 16—Advertising campaigns	2
Econ. 4—Social problems	3	Hist. 112—Representative Americans	3
Pol. Sci. 122—Political parties	3	Econ. 5—Money and banking	3
Econ. 152—Farmer movements	2	Econ. 128—Marketing farm products	3

SENIOR YEAR

*Journ. 104—Editorial writing	2	Journ. 112—The law and the press	2
*Journ. 110—History of journalism	3	*Journ. 111—Principles of journalism	3
*Hist. 124—Recent history of the U. S.	3	*Hist. 124—Recent history of the U. S.	3
†Econ. 119—Evolution of industry	3	†Econ. 140—General sociology	(3)
†Econ. 144—Capitalism and socialism	(3)	†Econ. 145—American labor history	3
†Econ. 122—Labor problems	(3)	†Econ. 127—Co-operative marketing	2
†Econ. 139—Social psychology	(3)	Econ. 193—Agricultural credit	(2)
Pol. Sci. 114—Municipal problems	(3)	*Thesis	2
*Thesis	2	Elective	3
Elective	3		
	16		16

Electives

Agr. Journ. 3—Agricultural advertising.	3	Agronomy 1—Farm crops	3
Agr. Education 1—Rural education	2	Agr. Journ. 200—Research	3
Phil. 43—Business ethics	2	Phil. 41—Ethics	3
Psych. 50—Applied psychology	2	Psych. 23—Psychology of business	2
Pol. Sci. 134—County and township govt.	2	Pol. Sci. 139—Government of Wisconsin	2

GRADUATE YEAR

*Journ. 200—Influence of the press	*Journ. 200—Influence of the press
Agr. Econ. 225—Rural social organization	Agr. Econ. 228—Seminary in marketing
Agr. Econ. 229—Advanced agr. economics	Agr. Econ. 229—Advanced agr. economics
Agr. Education 103—Seminary	Agr. Education 103—Seminary
*Thesis	*Thesis

ADVERTISING GROUP

JUNIOR YEAR

First Semester	Credits	Second Semester	Credits
*Journ. 3—Copy reading	3	*Journ. 3—Copy reading	3
*Journ. 105—Writing of feature articles.	2	Journ. 107—Special feature articles	2
*Econ. 15—Retail advertising	2	Journ. 23—Women's departments	2
*Econ. 13—Marketing methods	2	*Econ. 16—Advertising campaigns	2
*Econ. 6—Business letter writing	2	†Phil. 11, 21, 24, 41	3
Psych. 1—Introductory psychology	3	†Pol. Sci. 115 or 135	(3)
†Pol. Sci. 125 or 137	(3)	Elective	4
Elective	2		
	16		16

Electives

Econ. 5—Money and banking	3	Hist. 112—Representative Americans	3
Econ. 4—Social problems	3	Hist. 139—Europe since 1815	3
Hist. 139—Europe since 1815	3	Journ. 8—Newspaper administration	2
Engl. 138—Prose style	2	Engl. 138—Prose style	2
Applied Arts 50—Freehand drawing	3	Applied Arts 51—Freehand drawing	3

SENIOR YEAR

*Journ. 104—Editorial writing	2	Psych. 23—Psychology of business	2
*Journ. 110—History of journalism	3	*Journ. 111—Principles of journalism	3
*Hist. 124—Recent history of the U. S.	3	*Hist. 124—Recent history of the U. S.	3
†Econ. 119—Evolution of industry	3	†Econ. 145—American labor history	3
†Econ. 144—Capitalism and socialism	(3)	†Econ. 140—General sociology	(3)
†Econ. 122—Labor problems	3	*Thesis	2
†Econ. 139—Social psychology	(3)	Elective	3
*Thesis	2		
	16		16

Electives

Phil. 43—Business ethics	2	Phil. 41—Ethics	3
Psych. 50—Applied psychology	2	Comp. Lit. 67—Contemporary drama	2
Comp. Lit. 67—Contemporary drama	2	Comp. Lit. 68—Contemporary novel	2
Comp. Lit. 68—Contemporary novel	2	Art History 152—Northern painting	2-3
Art. History 151—Italian painting	2-3	Econ. 109—Commercial law	3
Econ 109—Commercial law	3	Applied Arts 63—Commercial art	3
Applied Arts 63—Commercial art	3		

GRADUATE YEAR

*Journ. 201—Influence of the press	*Journ. 201—Influence of the press
Econ. 213—Marketing of manufactured products	Econ. 213—Marketing of manufactured products
Econ. 262—The American family	Econ. 260—Seminary on cities
*Thesis	Econ. 261—Group conflicts
	*Thesis

GROUP FOR TEACHERS

JUNIOR YEAR

First Semester	Credits	Second Semester	Credits
*Journ. 3—Copy reading	3	*Journ. 3—Copy reading	3
*Journ. 105—Writing of feature articles	2	Journ. 107—Special feature articles	2
†Pol. Sci. 125—World politics	3	*Educ. 31—Principles of education	3
†Pol. Sci. 137—International organization	(3)	†Pol. Sci. 115—Municipal problems	3
*Econ. 15—Retail advertising	2	†Pol. Sci. 135—Municipal administration	(3)
†Educ. 103, 112, 139	6	†Phil. 11, 21, 25, 41	3
		†Educ. 11, 136, 144	2
	16		16

SENIOR YEAR

*Journ. 104—Editorial writing	2	*Journ. 111—Principles of journalism	3
*Journ. 110—History of journalism	3	*Hist. 124—Recent history of the U. S.	3
*Hist. 124—Recent history of the U. S.	3	*Engl. 90 (340)—Teaching of English	3
Econ. 119—Evolution of industry	3	*Educ. 75—Psychology and practice of teaching	5
†Econ. 144—Capitalism and socialism	(3)	*Thesis	2
†Econ. 122—Labor problems	(3)		
†Econ. 139—Social psychology	(3)		
*Journ. 90 (370)—Teaching of journalism.	3		
*Thesis	2		
	16		16

GRADUATE YEAR

*Journ. 201—Influence of the press
Journ. 202—Journalistic style
Pol. Sci. 245—European political thought
Pol. Sci. 255—World politics
Econ. 246—Social institutions
Econ. 262—The American family
Educ. 244—Test construction
Educ. 248—Research in educational psychology
*Thesis

*Journ. 201—Influence of the press
Journ. 202—Journalistic style
Pol. Sci. 245—European political thought
Pol. Sci. 255—World politics
Econ. 260—Seminary on cities
Econ. 261—Group conflicts
Econ. 176—History of social thought
Educ. 244—Test construction
Educ. 248—Research in educational psychology
Educ. 230—Seminary in secondary education
*Thesis

LIBRARY SCHOOL

Lecturer Lester (Director)
Associate Professor Hazeltine (Principal)
Assistant Professors Akers, King, Rfely, Wilson
Revisers Randall, Runge
Assistant Curtiss

The Library School is a professional school offering a one-year course of training in library work to both men and women. This training may be taken either as an independent course by all who meet the entrance requirements, or as a joint course by seniors in the College of Letters and Science who qualify for entrance. In coöperation with the School of Education the Library School offers a special course for teachers. For detailed statement of this course, see page 95.

The school is located on the second floor of the Madison Free Library building. These quarters, especially designed for the school, include complete equipment provided by the Free Library Commission, which administers the school jointly with the University, and provides every facility for professional work. The school avails itself of all the library facilities of Madison.

For a complete catalog giving full description of the course of study, address the Principal, Miss Mary Emogene Hazeltine, Library School, 206 North Carroll Street, Madison, Wisconsin.

REQUIREMENTS FOR ADMISSION

1. Each candidate must fill out an application blank, a copy of which may be obtained by addressing the Principal, to whom it should be promptly returned.

2. Applicants must be at least twenty years of age. Persons over thirty-five who have no professional experience are advised against undertaking the course.

3. Applicants holding a degree from an approved college are accepted on the record of their work, but must meet the other requirements for admission, named below. The applications of college graduates should, if possible, be filed not later than the first Friday in June of every year, and as much earlier as possible to allow time to arrange for the prerequisites, and to be sure of a place in the class, as the number of students that can be accepted is limited.

4. Students electing the joint course with the College of Letters and Science are admitted at the end of their junior year without written examination, if their university record is satisfactory and if they meet the prerequisites. The joint course is more fully discussed below.

5. All applicants not holding a degree from an approved college are required to take the entrance examinations, which are held on the first Friday in June of every year. Applicants taking the entrance examinations should understand that the examinations are designed to test their education, reading, and general information. Sight translation from one foreign language is also included, the candidate having a choice between French and German.

6. A personal interview with prospective candidates is desirable whenever possible. Besides the background of education, so much depends upon the spirit

in which library work is undertaken and the personal fitness for it, that much attention is given to the selection of students. Candidates are tested not only by college records or entrance examinations, but also by correspondence, by the testimony of their references, and by the personal interview.

The class entering in September of every year is made up not later than the first of July and includes the college graduates whose applications have already been accepted and the candidates who passed the entrance examinations. Students will be admitted only at the beginning of the first semester.

As the quarters of the School are limited, the number of students admitted for any one year can not exceed its desk room. If there are more candidates than can be accommodated, entrance is made competitive and those who pass the examination with the highest percentage are first accepted, together with college graduates. The others are placed on a waiting list, from which is filled the vacancy created by the withdrawal during the summer of any accepted student.

PREREQUISITES FOR ALL APPLICANTS

Accepted candidates must meet several special entrance requirements *before the School opens in September.* All who have not had experience in library work must spend at least one month in actual work in a designated library before joining the classes. The library and the conditions under which the work is to be performed must be satisfactory to the Principal and, if desired, arrangements for such work will be made by her.

Candidates must be skillful with the typewriter before entering, as the School requires its use in the preparation of many of the lessons, and no instruction is given in the School. Detailed information concerning this requirement is sent with the application blank. It is also required that the standard "library hand-writing" be mastered. Accompanying the application blank is a required list of books to be read in preparation for the first appointment of the school year in book selection.

SUGGESTED PRELIMINARY PREPARATION

Undergraduates in college who are planning to enter the Library School on the completion of their college work are advised to select courses from the following groups:

English literature, especially survey courses in English and American literature, and others in literary appreciation and criticism. Courses dealing with such literary types as the novel, the drama, and the short story, not only in English but in foreign languages, should be included, also work in composition or rhetoric.

Modern languages. French and German are most needed in library work. It is advisable to begin the language preparation in high school and to continue the study for at least two years in college.

History. Ancient, medieval, and modern European; history of England and of the United States.

Social sciences. Economics, political science, and sociology.

Psychology, philosophy, and education.

Science, one or more of the following: biology, botany, zoology, geography, geology, physics, chemistry.

Speech.

General business knowledge is of great value to the prospective librarian and is a prerequisite to success in administrative library positions. Candidates who have not had business experience are urged to become familiar with business methods, including the handling of a bank account, the management of a personal budget, a knowledge of the elementary principles of bookkeeping, and a general understanding of ordinary business transactions.

COURSE OF STUDY

The course of instruction extends throughout the university year, September to June. The work covers the following subjects, which are required of all:

First Semester	Credits	Second Semester	Credits
Cataloging	5	Reference	2
Classification	3	Public documents	1
Reference	2	Subject bibliography	3
Evaluation and selection of books	2	Evaluation and selection of books	2
Trade bibliography and bookbuying	1	Children's work	1
Loan administration	1	Library administration	2
Library economy	1	Professional work	1
		Field practice	3
	15		15

The field practice is one of the distinctive features of the School. During February and March of every year the academic schedule is suspended and the students assigned for actual work in the libraries of the state, under the supervision of the librarians and the members of the faculty of the School.

This actual work seeks to cover all phases of library technique, the larger service of the public through extension methods, library publicity, book selection, coöperation of libraries with schools, story telling, etc.

EXPENSES

The tuition fee for residents of Wisconsin is $50 for the course, $25 being payable at the opening of each semester. For non-residents, the fee is $100 for the course, $50 to be paid at the opening of each semester. An infirmary fee of $3.50 per semester is required of each student. These fees are *payable at the Library School.* The cost of textbooks and supplies for each student will average $35 for the year. A graduation fee of $10 is charged.

Upon notification that they have been accepted as students of the School, applicants are required to pay a registration fee of $5, which will be applied on the tuition of the first semester. In case of the withdrawal of the applicant before the opening of the School, the registration fee will be retained to cover the expenses of correspondence, etc. Students are entitled to medical attention and care at the University clinic and infirmary without expense, except for the care of specialists and special nursing.

The Library Commission pays the railroad fare of students to and from the required field practice.

JOINT COURSE WITH THE COLLEGE OF LETTERS AND SCIENCE

A joint course has been arranged between the Library School and the College of Letters and Science for those who are not able to afford the time for four years of college work followed by a year of technical training. The joint course is made possible by a rule of the College of Letters and Science which provides that candidates for the Bachelor of Arts degree are allowed under specified circumstances to elect studies in other of the University colleges and schools to an amount not exceeding 20 credits.

A regular joint-course student, in order to receive a B.A. degree and the Library School diploma, must earn 130 credits to be distributed usually as follows: 96 credits by the end of the junior year, and 4 thesis and 30 Library School credits during the senior year. If the student does not prepare a thesis, the 4 credits must be secured in the summer session. Except for the thesis, joint-course students must devote the entire time of the senior year to the work of the Library School.

By properly arranging her elective studies and by carrying 16 credits per semester for the first three years, a student can ordinarily secure both the Bachelor of Arts degree and the Library School diploma at the end of four years. If the student does not carry 16 credits per semester for the full three years, the deficiency may be made up by work in the summer session. Four of the Library School credits may be counted toward an English major, if the student majors in that subject.

If students elect the work of the Library School before they have secured senior rank they are not exempt from the entrance examinations of the School. Furthermore, it should be understood that the work of the School is accepted for only ten college credits if completed before the beginning of the junior year, and that 20 college credits are allowed for it only if it is completed after the beginning of the junior year (the 20-credit rule quoted above requires junior standing before its privileges may be enjoyed).

Students in other institutions wishing to enter the joint course with advanced standing must bear in mind that the College of Letters and Science requires 30 credits in resident study for its degree, which ordinarily means attendance for one year at this University; attendance at the Library School may not be counted toward fulfilling this requirement. Transfers from other colleges with intent to take the joint course are best accomplished at the beginning of the sophomore year. Arrangements for entering on advanced standing should be made through the Chairman of the Committee on Advanced Standing, University of Wisconsin, and the Principal of the Library School.

SCHOOL OF MUSIC

C. H. Mills, Director, Professor of Music

The School of Music offers a four-year course leading to the degree of Bachelor of Music; this course provides training in the fields of applied music, history and theory of music, and public school music.

Individual instruction in vocal or instrumental music may be taken by students not otherwise connected with the University, and such students are not required to pay the incidental fee, but they must be able to satisfy the usual entrance requirements. See page 40.

Special students under twenty-one years of age who have unusual musical talent may, in exceptional cases, be admitted to the courses in music on the recommendation of the Faculty of the School of Music although they may not be able to fully satisfy the entrance requirements.

Students enrolled in other schools and colleges of the University are permitted by the School of Music to elect up to 20 credits in music. Of these, 10 credits in advanced applied music instruction may be taken by juniors and seniors after the approval of the adviser and of the Director of the School of Music has been secured. See third paragraph under Faculty and Student Recitals, below.

ENTRANCE REQUIREMENTS

Organ. No previous knowledge of organ playing is required, but a student will not be entrolled until he has acquired a satisfactory pianoforte technique and some skill in polyphonic playing.

Piano. Applicants for admission will be required to play music of the following grade or its equivalent; easier sonatas by Haydn and Mozart, Czerny, Op. 299, Books I and II, Heller, Op. 47, easier *Songs Without Words* by Mendelssohn. Also some knowledge of major and minor scales is necessary.

Voice. The student must be able to read simple music and must have had an amount of training equal to the first half of Concone, with the usual technical study for the same period.

Violin. Candidates must be well grounded in correct position, intonation, tone, and bowing, and must have mastered the equivalent of David's Violin School Part 1, and the easier pieces of Dancla, Alard, and others.

EQUIPMENT

The School of Music is provided with a concert auditorium, lecture hall, teaching rooms for applied music, practice rooms, a four-manual organ, five two-manual reed organs, pianos, orchestral and band instruments, and an equipment of mechanical instruments.

ARTIST RECITAL SERIES

The Artist Recital Series consists of an annual course of recitals of chamber music. Students enrolled in the School of Music are required to attend the concerts for which a fee of one dollar a year is charged, payable at the time of registration.

ORGANIZATIONS

THE UNIVERSITY ORCHESTRA, composed of about seventy players, is organized to study the larger classical forms and to present them in public. Rehearsals for the woodwinds and brasses are held on Monday afternoon, the string section meets on Friday afternoon, and the entire orchestra convenes on Wednesday evening from 7 to 9 o'clock in the auditorium of Music Hall. Membership is open to the entire student body, and to others who may qualify. After two semesters' enrollment a university student may register in this course (Music 76) for credit. Prerequisite: Ability to play some instrument. Mr. Morphy, Conductor.

THE UNIVERSITY BANDS consist normally of about two hundred players, divided into two groups known as the University Concert Band and the Second Band; the former is distinctly a concert organization for the study and public presentation of the highest grade of band music. Concerts are given during the year at the University and in the second semester this organization is available for concerts throughout the State. The Second Band rehearses three times each week and is a training school for young players who wish to qualify for positions in the University Orchestra and the Concert Band. The Second Band performs at the football and basketball games and at the close of the year presents a concert program in the regular series of twilight concerts at Lincoln Terrace. Under the new arrangement one hundred and forty freshmen and sophomores will be selected for this organization and may elect this work for credit in lieu of military science or physical training. Students failing to pass the musical examination for membership in the Second Band will be required to elect military science or physical training. Juniors, seniors, and graduate students who become members of the Concert Band are required to remain for Commencement and are refunded their incidental fees for the year. Mr. Morphy, Director.

THE MEN'S GLEE CLUB is a campus organization incorporated under the laws of the State of Wisconsin. Two separate divisions are maintained: the Concert Club, the membership of which is selected by competitive tryouts, and the Corporation, to which members of the Concert Club may be elected after one year's service. Vacancies in the club are filled by competitive trial and membership is open to the entire student body, including graduate students. The club makes extensive concert tours and has gained for itself an enviable position in the Middle West by maintaining the highest standard of chorus singing. Three times it has won the championship of the Middle West, in 1923, 1925, and 1926. Mr. Swinney, Director.

THE WOMEN'S GLEE CLUB is an organization of women whose purpose is the study and performance of choral music for women's voices. The organization makes frequent appearances locally, and a concert tour during the spring vacation. Vacancies are filled by competitive try-outs and membership is open to the entire student body, including graduate students. Mrs. Caster, Director.

FACULTY AND STUDENT RECITALS

Lecture-recitals and concerts, open to the public without charge, are given by members of the Faculty of the School of Music at stated intervals during the concert season.

Student recitals, free to all students of the University and open to all others by invitation, are held at frequent intervals throughout the school year.

Public performances being part of the course of study in a practical subject, all students are required to participate in a program when they are, in the instructor's opinion, sufficiently prepared.

FEES

Neither the incidental fee nor the non-resident tuition fee is required of students taking private instruction in applied music only. Persons who are members of other schools and colleges of the University may take the theoretical courses in music without charge.

Students of the School of Music not otherwise connected with the University are admitted to theory classes on payment of the usual incidental fee charged to students of the University. If non-residents of the state, such students will be required to pay the non-resident fee.

No deductions are made for absences except in cases of protracted illness, when a rebate of one-half the fee for the time lost will be granted. All university holidays will be observed without make-up of lessons.

Students enrolling at any time previous to the fifteenth day of any semester will be charged the full fee for the semester. Students enrolling thereafter may receive some reduction at the discretion of the director.

All fees must be paid at the beginning of each semester; until this has been done, the student will not be considered regularly matriculated, and cards entitling him to instruction will not be issued.

Laboratory fees for applied music, per semester:

One-half hour of instruction once a week	$25
One-half hour of instruction twice a week	45
One hour of instruction once a week	45
One hour of instruction twice a week	90

Rent of practice rooms, per semester:

Organ, one hour daily	9
Piano, one hour daily	4

REQUIREMENTS FOR TEACHERS

The following credits are required for the University Teachers' Certificate:

	Credits
Educ. 75—Psychology and practice of teaching	5
Music 44—Principles of music education	3
Departmental teachers' courses	4
Electives in the Department of Education	3
	15

GENERAL

All students must present their registration cards from the Registrar's office before beginning assigned work in the School of Music. All students in applied music will be examined by the Examining Committee of the School of Music to learn the status of their work and to determine whether or not the subject can be taken for credit in the case of juniors and seniors in the College of Letters and Science.

The School of Music calendar is the same as that of the University, but students in applied music may enter at any time.

A student is expected not to take part in any public performance without the consent of his instructor and the director.

COURSE IN MUSIC

LEADING TO THE DEGREE OF BACHELOR OF MUSIC

A total of 120 credits and 120 grade-points is required for the degree, including a minimum of 54 credits in the College of Letters and Science and 46 to 66 credits in the School of Music, this number to be decided by consultation with the Director. A total of 32 credits in foreign language, including that taken in high school, is required for graduation. The candidate may choose his major in one of the following fields, in which he may obtain a maximum of 20 credits; applied music, history and theory of music, public school music. To secure the University Teachers' Certificate 124 credits and 124 grade-points are required. The following courses of study are suggested outlines which are subject to alteration, with the consent of the adviser, to meet individual cases.

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Music 81, 82, 83, or 84—Applied music.	2	Music 81, 82, 83, or 84—Applied music.	2
Music 1—Harmony	3	Music 1—Harmony	3
Music 71—Solfeggio	1	Music 71—Solfeggio	1
Foreign language	4	Foreign language	4
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
History 1, 5, or 10	3	History 1, 5, or 10	3
Physical education or military science.	0	Physical education or military science.	0
	16		16

SOPHOMORE YEAR

Music 81, 82, 83, or 84—Applied music.	2	Music 81, 82, 83, or 84—Applied music.	2
Music 11—Second year harmony	3	Music 11—Second year harmony	3
Music 75—Advanced solfeggio	1	Music 75—Advanced solfeggio	1
Music 44—Principles of music education	3	Foreign language	4
Foreign language	4	English or history	3
English or history	3	Elective (or Music 45)	3
Physical education or military science.	0	Physical education or military science.	0
	16		16

MAJOR IN APPLIED MUSIC

JUNIOR YEAR

Music 81, 82, 83, or 84—Applied music.	2-3	Music 81, 82, 83, or 84—Applied music.	2-3
Music 21—Counterpoint	2	Music 21—Counterpoint	2
Music 31—History of music	2	Music 31—History of music	2
Music 5—Form: structural analysis	2	Music 6—Form: harmonic analysis	2
Music 36—Piano pedagogy	2	Music 37—Applied piano pedagogy	2
Educ. 75—Psychology and practice of teaching	5	Elective in education	3
		Free elective	2
	15-16		15-16

SENIOR YEAR

Music 81, 82, 83, or 84—Applied music.	2-3	Music 81, 82, 83, or 84—Applied music.	2-3
Music 102—Advanced harmony	2-3	Music 102—Advanced harmony	2-3
or		or	
Music 112—Advanced counterpoint	(2-3)	Music 112—Advanced counterpoint	(2-3)
Electives	9-11	Electives	9-11
	15		15

MAJOR IN HISTORY AND THEORY OF MUSIC

JUNIOR YEAR

Music 81, 82, 83, or 84—Applied music.	1	Music 81, 82, 83, or 84—Applied music.	1
Music 102—Advanced harmony	3	Music 102—Advanced harmony	3
Music 21—Counterpoint	2	Music 21—Counterpoint	2
Music 31—History of music	2	Music 31—History of music	2
Music 5—Form: structural analysis	2	Music 6—Form: harmonic analysis	2
Educ. 75—Psychology and practice of teaching	5	Elective in Education	3
		Free elective	2
	15		15

SENIOR YEAR

Music 162—Composition	2-3	Music 162—Composition	2-3
Music 112—Advanced counterpoint	2-3	Music 112—Advanced counterpoint	2-3
Music 100—Thesis	2	Music 100—Thesis	2
Electives	7-9	Electives	7-9
	15		15

MAJOR IN PUBLIC SCHOOL MUSIC

JUNIOR YEAR

Music 51—Grade-school practice	2	Music 51—Grade-school practice	2
Music 53—High-school problems	2	Music 53—High-school problems	2
Music 21—Counterpoint	2	Music 21—Counterpoint	2
Music 31—History of music	2	Music 31—History of music	2
Music 89—Practical instrumentation	2	Music 89—Practical instrumentation	2
Educ. 75—Psychology and practice of teaching	5	Physics 1—General physics	1
		Electives (incl. 3 cr. in education)	4
	15		15

SENIOR YEAR

Music 90—Instrumentation	2	Music 90—Instrumentation	2
Music 55—Grade and high-school supervision	2	Music 55—Grade and high-school supervision	2
Music 5—Form: structural analysis	2	Music 66—Conducting	2
Electives	9	Electives	9
	15		15

DEPARTMENTS OF INSTRUCTION

Abbreviations used in the announcement of courses:
Yr—a continuous course extending through two semesters
I—course given during the first semester
II—course given during the second semester
I, II—semester course given each semester
cr—number of credit hours per semester
*—to be arranged.

Courses numbered from 1 through 100 are open for credit to undergraduates only; from 101 to 199 to both undergraduates and graduates; over 200 to graduates only, or very exceptionally to advanced undergraduates.

ANATOMY

See Medical School

ART HISTORY AND CRITICISM

Professor Hagen (Chairman)
Instructors Clark, Garrison
Assistants Keay, Scharfe

In addition to the facilities offered by the general and departmental libraries, the department is amply equipped with a rapidly increasing collection of photographic reproductions and slides which in course of time will cover every field of the general history of art. A growing collection of drawings, sketches, designs, water-colors, illuminated manuscripts, wood-cuts, engravings, and etchings offers opportunity for advanced studies in the fields of European graphic arts. New quarters in Bascom Hall serve for exhibitions and study.

Major. 26 credits, including thesis, in history of art; in addition, a reading knowledge of French, German, or Italian; a minimum of 12 credits in history (courses particularly recommended are History 1, Medieval history, and History 134, The Renaissance).

It is also recommended, especially for those who expect to teach art or history of art, that from 6 to 12 credits be taken in practice courses (design, painting, etc.), which for the present may be secured in the Department of Industrial Education and Applied Arts. The requirements for a teachers' certificate may be found under the School of Education, page 95.

FOR UNDERGRADUATES

11. Christian Iconography. I; 3 cr. The subject matter of religious art, such as stories of saints, the Apochryphal literature, and the Bible. Prerequisite: Sophomore standing. Miss Clark.

27. MASTERPIECES OF MEDIEVAL SCULPTURE. II; 3 cr. Prerequisite: Sophomore standing. Mr. Scharfe.

44. SURVEY OF MEDIEVAL ART. I; 3 cr. A survey of medieval architecture (the cathedrals), sculpture, painting (mosaics, stained glass, illuminated manuscripts) of Europe from the early Christian through the Gothic epochs. Prerequisite: Sophomore standing. Mr. Scharfe.

54. MODERN PAINTING AND ITS ANTECEDENTS. I, II; 2-3 cr. A survey of such problems of painting as constitute the history of painting from the fifteenth century down to the present age; in other words, the genesis of modern art through the preceding four centuries. Prerequisite: Sophomore standing. Mr. Hagen.

FOR UNDERGRADUATES AND GRADUATES

101. GRAPHIC ARTS IN EUROPE. I; 2 cr. History of wood-cuts, engraving, and etching on copper from the origins in 1400 A. D. to Rembrandt. Prerequisite: 4 credits in Art History. Mr. Hagen.

102. GRAPHIC ARTS IN THE EIGHTEENTH AND NINETEENTH CENTURIES. II; 2 cr. History of engraving, wood-cuts, etching, and lithography. Prerequisite: Art History 101. Mr. Hagen.

104. ITALIAN SCULPTURE. I; 2 cr. Illustrated lectures. Prerequisite: Art history 54. Not offered in 1927-28. Mr. Hagen.

106. PAINTING IN THE AGE OF IMPRESSIONISM. II; 2 cr. Illustrated lectures. Prerequisite: Art history 54. Not offered in 1927-28. Mr. Hagen.

151. ITALIAN PAINTING OF THE RENAISSANCE. I; 3 cr. The period from Giotto to Michelangelo and Rafael. Prerequisite: Art History 54. Mr. Hagen.

152. NORTHERN ART OF THE RENAISSANCE. II; 3 cr. Painting in France, Flanders, Holland, and Germany from the Van Eycks to Albrecht Dürer. Prerequisite: Art History 54. Mr. Hagen.

153. SEVENTEENTH CENTURY PAINTING. I; 2-3 cr. Prerequisite: Art History 54. Not offered in 1927-28. Mr. Hagen.

FOR GRADUATES

210. SEMINARY. Yr; 2 cr. Subject for the first semester 1927-28: Problems in fifteenth-century Italian painting; second semester: Impressionism. Mr. Hagen.

220. SEMINARY. Yr; 2 cr. Subject for the first semester 1927-28: American art; second semester: Aesthetics of architecture. Mr. Scharfe.

ASTRONOMY

PROFESSORS COMSTOCK (Emeritus), STEBBINS (Chairman)
ASSISTANT PROFESSOR HUFFER

FOR UNDERGRADUATES

1. GENERAL ASTRONOMY. I; 3 cr. Prerequisite: Sophomore standing. Mathematics not required. Mr. Stebbins.

6. NAVIGATION AND PRACTICAL ASTRONOMY. II; 2 cr. Prerequisite: Course in trigonometry. Mr. Stebbins.

7. ADVANCED FIELD ASTRONOMY. Yr; *cr. Prerequisite: Astronomy 6. Not given 1927-28. Mr. Stebbins.

FOR UNDERGRADUATES AND GRADUATES

113. SPHERICAL ASTRONOMY. I; *cr. Mr. Huffer.

114. PRACTICAL ASTRONOMY. II; *cr. Mr. Huffer.

116. CELESTRIAL MECHANICS. Yr; *cr. Prerequisite: A course in calculus. Not given 1927-28. Mr. Stebbins.

FOR GRADUATES

225. RESEARCH. Graduate students desiring to pursue advanced astronomical studies or research may have access to the instruments and library of the Washburn Observatory upon showing that they are qualified to profit by such opportunity.

BIOLOGY

Study in the biological sciences is conducted in the independent, though coordinated, departments of Botany, Zoology, Anatomy, Physiology, Physiological Chemistry, Genetics, Pathology and Medical Bacteriology, Pharmacology and Toxicology, Plant Pathology, and Agricultural Bacteriology.

1. GENERAL BIOLOGY. Yr; 5 cr. An elementary one-year course in general biology may be taken by combining Botany 1 and Zoology 1. Introductory to botany, zoology, anatomy, bacteriology, and physiology, and a prerequisite for all advanced work in these departments.

BOTANY

PROFESSORS ALLEN, BRYAN, DUGGAR, GILBERT (Chairman), JONES, KEITT, OVERTON
ASSISTANT PROFESSORS DENNISTON, FISK, OTIS, WEBER; CURATOR DAVIS
INSTRUCTORS ADDOMS, FASSETT, R. WALKER
ASSISTANTS CALDWELL, COOPER, EVANS, HARVEY, MCWILLIAMS, NEVINS, PIEH, ROWLEE, SCHEUBER, E. H. WALKER, YOUNG
RESEARCH ASSISTANTS CARLSON, MALLERY, REILLY
FELLOWS BUNTEN; HELGESON (Industrial)

Major. 30 credits, including thesis, Botany 1, and elementary course in zoology.

FOR UNDERGRADUATES

1. GENERAL BOTANY. I, II; 5 cr. Preliminary to all advanced work. Accepted with Zoology 1a or 1b to make up an elementary course in general biology. Lab. fee $4.00; deposit $2.00. Mr. Bryan, Miss Addoms, Miss Fisk, and staff.

2. ADVANCED GENERAL BOTANY. II; 5 cr. Accepted as part of a teacher's minor or, with Botany 1, in satisfaction of the requirement of a year of natural science. Prerequisite: Botany 1. Lab. fee $4.00; deposit $2.00. Mr. Bryan and staff.

90 (310). THE TEACHING OF BOTANY. II; 2 cr. Prerequisite: Junior standing. Miss Weber.

100. THESIS. Yr; 2 cr. A subject should be selected, whenever possible, before the close of the junior year. Staff.

FOR UNDERGRADUATES AND GRADUATES

101. DISEASES OF PLANTS. I; 3 cr. Prerequisites: Botany 1 and Agricultural Bacteriology 1. Mr. Jones, Mr. Gilbert, Mr. Walker.

102. METHODS IN PLANT PATHOLOGY. I; 3 cr. Prerequisite: Botany 101. Mr. Keitt.

103. MORPHOLOGY OF ALGAE. I; 3 cr. Prerequisite: Botany 1 Given 1926-27 and in alternate years. Lab. fee $3.00; deposit $2.00. Mr. Allen.

104. MORPHOLOGY OF FUNGI. I; 3 cr. Prerequisite: Botany 1. Lab. fee $3.00; deposit $2.00. Mr. Gilbert.

107. MORPHOLOGY OF GYMNOSPERMS. I; 3 cr. Given 1927-28 and in alternate years. Prerequisite: Botany 1. Lab. fee $3.00; deposit $2.00. Mr. Bryan.

108. MORPHOLOGY OF ANGIOSPERMS. II; 3 cr. Prerequisite: Botany 1. Lab. fee $3.00; deposit $2.00. Miss Fisk.

110. PLANT HISTOLOGY. I; 3 or 4 cr. Prerequisite: Botany 1. Lab. fee $3.00; deposit $2.00. Mr. Denniston.

111. Microscopical Examination of Drugs and Foods. II; 3 cr. Prerequisite: Botany 110. Lab. fee $4.00; deposit $2.00. Mr. Denniston.

112. Morphology of Bryophytes. II; 3 cr. Prerequisite: Botany 1. Given 1926-27 and in alternate years. Lab. fee $3.00; deposit $2.00. Mr. Allen, Miss Fisk.

113. Morphology of Pteridophytes. II; 3 cr. Prerequisite: Botany 1. Given 1927-28 and in alternate years. Lab. fee $3.00; deposit $2.00. Mr. Allen.

117. Structure of Economic Plants. I; 3 cr. Prerequisite: Botany 1 and 2. Lab. fee $3.00; deposit $2.00. Miss Addoms.

118. Structure of Fruits and Seeds. II; 3 cr. Prerequisite: Botany 1 and 2 or their equivalent. Given 1927-28 and in alternate years. Lab. fee $3.00; deposit $2.00. Miss Addoms.

129. Classification of Cultivated Plants. I; 2 or 3 cr. Prerequisite: Botany 1. Lab. fee $2.50; deposit $1.50. Miss Fisk.

130. Identification and Classification of Seed Plants. II; 3 or 4 cr. Prerequisite: Botany 1. Lab. fee $2.50; deposit $2.00. Mr. Denniston.

131. Dendrology. II; 2 cr. Prerequisite: Botany 1. Mr. Denniston.

146. Plant Physiology. II; 4 cr. Prerequisites: Botany 1 and a knowledge of physics and chemistry. Lab. fee $4.00; deposit $2.00. Mr. Overton, Mr. Otis.

147. Advanced Plant Physiology. Yr; 5 cr. Prerequisites: Botany 146 and a knowledge of physics and chemistry. Lab fee $5.00. Mr. Overton, Mr. Otis.

149. Special Physiology of Pathogenic Fungi. II; 2 cr. Prerequisite: Botany 146. Mr. Duggar.

150. Cytology. Yr; 5 cr. Prerequisites: Botany 1 and 2. Lab. fee $5.00. Mr. Allen.

154. Evolution of Plants. I; 2 cr. Prerequisites: Botany 1 and 2. Mr. Allen.

156. Inheritance and Variation. II; 2 cr. Prerequisite: Botany 1. Mr. Allen.

160. Plant Geography of Wisconsin. II; 2 or 3 cr. Prerequisite: Botany 1. Lab. fee $1.50 or $3.00; deposit $2.00. Mr. Fassett.

See Zoology 6 and 107 and Genetics 101-106 for other courses in evolution and heredity; also Horticulture 7 and 8 for courses in plant propagation and floriculture. The announcements of the Departments of Genetics and Horticulture appear under the College of Agriculture.

FOR GRADUATES

214. SEMINARY IN GENERAL BOTANY. Yr. Mr. Allen.

215. SEMINARY IN PLANT PHYSIOLOGY. Yr. Mr. Duggar, Mr. Overton.

216. RESEARCH. Yr. Investigation may be undertaken in any department of botany in which the student's preparation is adequate. Staff.

220. ADVANCED MYCOLOGY. Yr. Prerequisite: Botany 104. Lab. fee $2.50; deposit $1.00. Mr. Gilbert.

221. CLASSIFICATION OF PARASITIC FUNGI. Yr. Prerequisite: Botany 101 or 104. Mr. Davis.

223. SEMINARY IN PLANT PATHOLOGY. Yr; 1 cr. Mr. Jones.

225. RESEARCH IN PLANT PATHOLOGY. Yr; *cr. Mr. Jones, Mr. Keitt, Mr. Gilbert.

252. CYTOLOGY OF THE FUNGI. II. Given 1927-28 and in alternate years. Prerequisites: Botany 104 and 150. Lab. fee $2.50; deposit $1.00. Mr. Gilbert.

CHEMISTRY

PROFESSORS FISCHER, KAHLENBERG, KREMERS, MATHEWS (Chairman), WALTON
ASSOCIATE PROFESSORS ADKINS, DANIELS, KRAUSKOPF
ASSISTANT PROFESSORS CALDERWOOD, KEMERER, MCELVAIN, SCHIERZ, SCHUETTE, WAKEMAN, WILLIAMS
INSTRUCTORS EYRING, FANSELOW, FINZEL, KLEIN, LEWIS, MELOCHE, SORUM, WIIG
ASSISTANTS ANDREWS, AYERS, BAILEY, BOLYARD, CALDWELL, CARTWRIGHT, CLOSS, COFFMAN, CRAMER, CROZIER, DITTMAR, FEVOLD, FOLTS, FOSBINDER, FRIEDMAN, FRUEHAN, GAENSLEN, GLASS, HALE, HEIDT, H. HEINRICH, R. G. HEINRICH, HOLT, HURD, JENNINGS, JUDD, KEPFER, KINSEY, KLINE, KOCH, KOELSCH, KUTZ, LAIRD, LANDOW, LATHROP, LESSIG, LINNER, MACCORQUODALE, MCCUBBIN, J. H. PETERSON, W. R. PETERSON, PFEIFFER, QUIMBY, REYNOLDS, SCHWINGEL, STARK, STROUP, THAYER, TOENHART, URBAN, WALDELAND, WEBER, WESTON, WINSLOW.
RESEARCH ASSISTANTS ALDER, BRODERICK, BUSSE, MARESH
FELLOWS FRENCH, GRAHAM, MILLINGTON (Du Pont)
SCHOLAR TEMPLIN

MAJOR. In addition to a thesis, at least 30 credits, including course 1 and 6 credits in each of the courses 11, 120, and 130 (including the lectures throughout the year in each course).

For all laboratory courses in chemistry, including pharmaceutical chemistry, a fee of from $1.50 to $2.00 per actual semester laboratory hour is charged, depending on the nature of the work. The deposits for these courses vary from $2.00 to $12.80 per semester, depending on the value of materials and apparatus used.

FOR UNDERGRADUATES

1a. General Chemistry. I, II; 5 cr. Lab. fee, $12.20; deposit $5.30. Mr. Walton, Mr. Krauskopf, Mr. Fanselow, Mr. Finzel, Mr. Lewis, Mr. Sorum, Mr. Wiig, and staff.

1b. General Chemistry and Qualitative Analysis. II; 5 cr. Prerequisite: Chemistry 1a. Lab. fee $12.20; deposit $5.30. Mr. Walton, Mr. Krauskopf, Mr. Fanselow, Mr. Finzel, Mr. Lewis, Mr. Sorum, Mr. Wiig, and staff.

2a. General Chemistry. I, II; 4 cr. For freshmen in engineering. Lab. fee $9.80; deposit $5.20. Mr. Kahlenberg, Mr. Calderwood, and staff.

2b. General Chemistry. II; 4 cr. For freshmen in engineering. Lab. fee $9.80; deposit $5.20. Mr. Kahlenberg, Mr. Calderwood, and staff.

10. Mathematical Chemistry. I; 3 cr. Prerequisites: Algebra, trigonometry, and Chemistry 1 or 2. Mr. Daniels.

11. Quantitative Analysis. Yr; 3 or 5 cr. Prerequisite: General Chemistry, including qualitative analysis. The first semester of this course is repeated in the sesond semester. Mr. Kemmerer, Mr. Meloche, and staff.

12. Quantitative Analysis. I; 3 cr. For agricultural students only. Prerequisite: Chemistry 1b. Mr. Meloche and staff.

14. Quantitative Analysis. I; 5 cr. For engineering students only. Prerequisite: Chemistry 1b. Mr. Meloche and staff.

15. Quantitative Analysis. II; 2 cr. For pharmacy students only. Mr. Meloche and staff.

20. Organic Chemistry. I and II; 2 cr. class; 2 cr. lab. Prerequisite: Chemistry 1. Mr. McElvain, or Mr. Klein, and staff.

26. Inorganic Pharmaceutical Chemistry. I; 5 cr. Required of students in pharmacy. Prerequisites: Chemistry 1 and 15. Miss Wakeman.

27. Organic Pharmaceutical Chemistry. II; 5 cr. Required of students in pharmacy. Prerequisite: Chemistry 20 or 120. Miss Wakeman.

30. Physical Chemistry. II; 3 cr. For chemical engineering students. Mr. Daniels, Mr. Eyring, and staff.

40. Plant Chemistry. Yr; 3 cr. Prerequisite: Botany 1: Chemistry 20 or 120, or concurrent registration. Supplementary to Pharmacognosy 20. Miss Wakeman.

45. Alkaloid Assay. II; 1 or more cr. One hour required of students in pharmacy. Miss Wakeman.

90 (311). The Teaching of Chemistry. II; 2 or 39 cr. Prerequisites: Chemistry 1; first semester of Chemistry 120; credit or enrollment for five credits in Chemistry 11. Mr. Walton.

100. Senior Thesis. Yr; 2 cr. Staff.

FOR UNDERGRADUATES AND GRADUATES

106. Advanced Quantitative Analysis. Yr; *cr. A continuation of Chemistry 11. Mr. Kemmerer.

107. History of Chemistry. I; 2 cr. Prerequisite: Chemistry 11, 120, or concurrent registration. Mr. Kahlenberg.

108. Advanced Qualitative Analysis. II; 2 or more cr. Prerequisite: Chemistry 1. Mr. Krauskopf.

113. Water Analysis. II; 1 cr. Prerequisite: Chemistry 11. Mr. Schuette.

116. Industrial Organic Analysis. I, II; *cr. Prerequisites: Chemistry 11 and 120. Mr. Schuette.

117. Inorganic Preparations. II; *cr. Prerequisite: Chemistry 1b or 2b. Mr. Kemmerer.

118. Iron and Steel Analysis. I, II; 2-5 cr. Prerequisite: Chemistry 11 or 14. Mr. Kemmerer.

119. Organic Analysis. I; 3 cr. Prerequisites: Chemistry 11 and 120. Mr. Schuette.

120. Organic Chemistry. Yr; 2 cr. class; 1 to 3 cr. lab. Prerequisite: Chemistry 1 or 2. Mr. Fischer, Mr. Adkins, and staff.

121. Advanced Organic Preparations. *cr. Prerequisite: Chemistry 120. Mr. Fischer, Mr. Adkins, Mr. McElvain, Mr. Klein.

123. Characterization of Organic Compounds. II; 3 cr. Prerequisite: Chemistry 120. A study of homologous reactions, separation, and identification of organic compounds. Designed as an aid to research involving organic compounds. Mr. McElvain.

124. Advanced Survey of Organic Chemistry. Yr; 2 cr. Prerequisite: Chemistry 120. Mr. Adkins.

126. Chemistry of Coal-Tar Dyes. II; 2 cr. Prerequisite: Chemistry 120. Mr. Fischer.

127. Synthetic Organic Remedies. Yr; *cr. Prerequisite: Chemistry 27, and 20 or 120. Miss Wakeman.

128. Chemistry of Organic Nitrogen Compounds. I; 2 cr. Prerequisite Chemistry 120. Mr. Fischer.

130. Physical Chemistry. Yr; 5 cr. Prerequisites: Chemistry 1 and 11, and Physics 1 or 31. Mr. Mathews, Mr. Daniels, Mr. Eyring, and staff.

131. Electrochemistry. II; 2 cr. Prerequisite: Chemistry 130. Not given 1927-28. Mr. Williams.

132. Thermal Chemistry. I; 2 cr. Prerequisite: Chemistry 130. Not given 1927-28. Mr. Mathews.

133. Photochemistry. I; 2 or more cr. Prerequisite: Chemistry 130. Not given 1927-28. Mr. Mathews, Mr. Williams.

135. Chemistry of Solutions. Yr; 2 to 5 cr. Prerequisite: Chemistry 130. Mr. Kahlenberg.

136. Relation of Physical Chemistry to Other Sciences. II; 2 cr. Prerequisite: Chemistry 130. Mr. Kahlenberg.

137. Colloids. I; 2 cr. Prerequisite: Chemistry 130. Mr. Mathews.

144. Atomic Structure. II; 2 cr. Prerequisite: Chemistry 130. Mr. Daniels.

146. Chemistry of Foods and Their Adulterations. II; 2 cr. class; 1 to 3 cr. lab. Prerequisites: One semester's work in Chemistry 11 and 120. Mr. Schuette.

161. The Phase Rule. I; 1 cr. Mr. Lewis.

162. Chemical Dynamics. I; 1 cr. Mr. Walton.

FOR GRADUATES

209. Lives of Great Chemists. II; 1 cr. Mr. Kahlenberg.

217. Inorganic Preparations. II; *cr. Prerequisite for research in inorganic chemistry. Mr. Kemmerer, Mr. Meloche.

222. Research in Organic Chemistry. *cr. Mr. Fischer, Mr. Adkins, Mr. McElvain.

224. Advanced Organic Chemistry. 2 cr. A cycle of four semesters which students may enter any semester. Prerequisite: Chemistry 120. Mr. Fischer.

235. Thermodynamics as Applied to Chemistry. II; 2 cr. Prerequisites: Chemistry 130 and a course in calculus. Not given 1927-28. Mr. Daniels.

237. Research in Physical Chemistry. *cr. Prerequisite: Chemistry 130. Mr. Mathews, Mr. Daniels, Mr. Eyring.

238. Chemical Seminary. Yr; 1 cr. Mr. Kahlenberg, Mr. Calderwood.

239. Seminary in Physical Chemistry. Yr; 1 cr. Prerequisite: Chemistry 130. Mr. Mathews, Mr. Daniels.

241. Advanced Plant Chemistry. Yr; *cr. Mr. Kremers.

242. Research in Foods and Sanitation. *cr. Mr. Schuette.

243. Research. *cr. Volatile oils or other subjects of organic chemistry, with special reference to plant chemistry. Mr. Kremers.

247. Seminary in Organic Chemistry. Yr; 1 cr. Mr. Fischer, Mr. Adkins, Mr. McElvain.

250. Research in Colloids. *cr. Mr. Mathews.

251. Advanced Inorganic Chemistry. Yr; 2 cr. Lectures alternate with Chemistry 255. Mr. Kemmerer.

252. Seminary in Inorganic Chemistry. Yr; 1 cr. Mr. Kemmerer, Mr. Meloche.

253. Research in Inorganic Chemistry. Yr; *cr. Mr. Kemmerer, Mr. Meloche.

254. Seminary in Foods and Sanitation. Yr; 1 cr. Mr. Schuette.

255. Advanced Inorganic Analysis. Yr; 2 cr. Lectures. Alternates with Chemistry 251. Mr. Kemmerer.

256. Research in General and Physical Chemistry. *cr. Mr. Walton, Mr. Krauskopf, Mr. Fanselow, Mr. Finzel, Mr. Lewis, Mr. Sorum, Mr. Wiig.

257. Chemical Research. Yr; *cr. Mr. Kahlenberg, Mr. Calderwood.

263. Seminary in General Chemistry. Yr; 1 cr. Mr. Walton, Mr. Krauskopf.

CLASSICS

Professors Agard, Laird (Chairman), Showerman, Smith (Emeritus).
Assistant Professors Allen, Guyles, Schlicher.
Lecturers Prescott, Winspear
Assistant Whitsel
Fellows Malz, Savageau (Adams), Tankersley

Major. 20 credits in Greek, not including Greek 1; 24 credits in Latin, not including Latin 1-4, 90, 190, or the thesis, and including one advanced course for one year. For teaching major see pp. 93 and 94.

GREEK

FOR UNDERGRADUATES

1. Elementary Greek. Yr; 4 cr. Mr. Laird.

7. Xenophone and Herodotus. Yr; 3 cr. Prerequisite: Greek 1. Mr. Laird.

10. Homer and Plato. Yr; 3 cr. Prerequisite: Greek 1. Mr. Laird.

20. Euripides, Sophocles, and Aeschylus. Yr; 3 cr. Prerequisite: Greek 10. Mr. Agard.

FOR UNDERGRADUATES AND GRADUATES

105. Greek Lyric Poets. Yr; 3 cr. Not given 1927-28. Prerequisite: Greek 20. Mr. Laird.

108. Plato. Yr; 2 cr. Offered 1926-27 and in alternate years. Prerequisite: Greek 20. Mr. Laird.

110. Advanced Composition. Yr; 1 cr. Prerequisite: Greek 20. Mr. Laird.

112. General Survey of Classical Life and Letters. (Latin 112.) Yr; 1-3 cr. Offered 1926-27 and in alternate years. Prerequisite: Full sophomore standing. Mr. Showerman.

122. Classical Art. II; 1-3 cr. Prerequisite: Full sophomore standing. Mr. Showerman.

FOR GRADUATES

220. Greek Grammar. I; 2 cr. Not given 1927-28. Mr. Laird.

221. Greek Syntax. II; 2 cr. Not given 1927-28. Mr. Laird.

230. Greek Seminary. Yr; 2 cr. Subject for 1927-28: Demosthenes. Mr. Laird.

LATIN

FOR UNDERGRADUATES

1. Elementary Latin. I, II; 5 cr. Miss Malz, Mr. Tankersley, Miss Whitsel.

2. Caesar. I, II; 5 cr. Prerequisite: Latin 1. Miss Malz, Mr. Tankersley, Miss Whitsel.

3. Cicero. I, II; 4 cr. An additional credit for those who desire prose composition. Prerequisite: Latin 2. Miss Allen, Mr. Schlicher, Mr. Winspear.

4. Virgil's Aeneid, I-VI. I, II; 4 cr. An additional credit for those who desire prose composition. Prerequisite: Latin 3. Miss Allen, Mr. Schlicher, Mr. Winspear.

5. Ovid and Sallust. Yr; 4 cr. Prerequisite: Latin 3. Offered for the first time in 1928-29. Mr. Schlicher.

6. Cicero, Virgil, and Livy. Yr; 4 cr. Prerequisite: Latin 4. Miss Allen, Mr. Schlicher.

7. Horace and Catullus. Yr; 3 cr. Prerequisite: Latin 6. Mr. Showerman, Mr. Winspear.

8. Tibullus, Propertius, and Ovid. II; 2 cr. Not given 1927-28. Prerequisite: Latin 6. Special reference to mythology. Miss Allen.

9. SIGHT READING. Yr; 1 cr. Offered for the first time in 1928-29. Prerequisite: Latin 3. Mr. Schlicher.

10. CLASSICAL MYTHOLOGY. I; 1 or 2 cr. Not given 1927-28. Prerequisite: Full sophomore standing. Latin not essential. Miss Allen.

90 (374). THE TEACHING OF LATIN IN SECONDARY SCHOOLS. I; 2 cr. Prerequisite: Senior standing. Miss Guyles.

FOR UNDERGRADUATES AND GRADUATES

105. PLINY AND MARTIAL. II; 3 cr. Prerequisite: Latin 7. Miss Allen.

107. PROSE COMPOSITION. Yr; 2 cr. Prerequisite: Latin 6. Mr. Schlicher.

108. CICERO'S LETTERS. I; 3 cr. Prerequisite: Latin 7. Mr. Showerman.

109. ROMAN DRAMA. II; 3 cr. Prerequisite: Latin 7. Mr. Showerman.

110. LUCRETIUS. II; 3 cr. Prerequisite: Latin 7. Offered 1926-27 and in alternate years. Mr. Showerman.

111. VIRGIL'S AENEID, VII-XII. I; 3 cr. Prerequisite: Senior standing. Offered 1926-27 and in alternate years. Mr. Winspear.

112. GENERAL SURVEY OF CLASSICAL LIFE AND LETTERS. Yr; 1-3 cr. Prerequisite: Full sophomore standing. Greek and Latin not essential. Mr. Showerman.

118. ROMAN SATIRE. I; 3 cr. Prerequisite: Latin 7. Not given 1927-28. Mr. Showerman.

119. ROMAN HISTORIANS TO TACITUS. Yr; 2 cr. Prerequisite: Latin 7. Mr. Winspear.

190 (375). BACKGROUND OF HIGH-SCHOOL LATIN. II; 2 cr. Prerequisite: 20 major credits in Latin. Miss Guyles.

FOR GRADUATES

225. LATIN GRAMMAR. I; 2 cr. Mr. Laird.

227. ROMAN PHILOSOPHY AND RELIGION. II; 3 cr. Mr. Winspear.

229. PALEOGRAPHY AND EPIGRAPHY. Yr; 2 cr. Not given 1927-28. Mr. Schlicher.

230. PAGAN AND EARLY CHRISTIAN AUTHORS. I; 3 cr. Mr. Showerman.

231. LATIN LITERATURE. Yr; 3 cr. Offered 1926-27 and in alternate years. Miss Allan.

232. LITERARY CRITICISM. Yr; 2 cr. Not given 1927-28. Miss Allen.

233. LATIN SEMINARY. Yr; 2 cr. Subject for 1927-28: Roman Comedy. Mr. Prescott.

COMPARATIVE LITERATURE

Professors Buck (Chairman), Dodge, Hohfeld, Lathrop, Morgan, J. E. Olson, Pyre, Showerman, Zdanowicz
Associate Professors Bruns, Roedder
Assistant Professors Allen, Fulcher, Quintana
Instructor Harris
Fellow Briggs

Courses in Comparative Literature fall into two general classes: those in which the readings are mainly in English translation, and those in which an easy reading knowledge of one or more foreign literatures is required. Undergraduates majoring in the department must be able to do a portion of this work in one or more languages other than English. There is also provision for graduate work in Comparative Literature, as indicated below. None of the courses in this department is open to freshmen.

Major. A minimum of 30 credits in literature courses, of which at least 16 shall be in the Department of Comparative Literature, including Course 9 and four or more credits from Courses 141, 159, 165, 170-176. The remaining 14 or more credits shall be taken in literature (not language or composition) courses in at least two other departments, including not less than 9 credits in one foreign literature,—ancient, Romance, or German. A thesis is required of all majors.

It is further required that the completed work show a degree of continuity; that is to say, the elections will necessarily be in the same or related periods of literary history, or will include the same or similar literary types. For the same reason the student is advised to elect also corresponding courses in history, philosophy, or art. The exact grouping of courses for a major will be determined individually for each student. But to make more clear this purpose to coordinate the work in literature and the other related studies, the two following typical correlations are suggested:

1. An ancient and a modern literature. Minimum requirement in language, to begin with (unless the student is prepared to take a more advanced course): Latin 6; or Greek 10 or 7; or English, literature courses beyond 30 or 33; or French 21; or German 20 (except for students of exceptional ability who may, with special permission from the chairman, take an earlier course); or Italian, Dante; or Spanish 21.

For his other courses the student may select some period; e. g., the 17th century, or the 19th, or some literary type, such as lyric poetry, the drama, or the novel, and correlate the work, so far as is practicable, in both the language departments. In Comparative Literature the student will similarly take courses in a comparative study of the drama, novel, poetry, or in a special period.

For the related courses, he should take ancient history, ancient philosophy, and ancient art (offered in the Department of Classics), as well as the history, philosophy, and art of the period in modern Europe in which he is interested. For example, for a study of the 17th and 18th centuries there are courses in the history of modern Europe, especially History 177, and Philosophy 135, 136, Descartes to Hume; for the Renaissance, medieval history and history of the Renaissance. The art courses are self-explanatory.

2. Two modern literatures. For this the selection will be made from English, French, German, Italian, or Spanish literature as outlined above, and from modern history, philosophy, and art, according as he finds his interest draws him to some definite period or some literary type.

In any of the possible coordinations of his work the Department of Comparative Literature asks the student so to plan his studies that in his senior year he can do a piece of original work in which the result of this survey of a period or related periods will be manifest. The student, if he has the ability, can register for such original work in addition to the thesis, for which purpose the pro-seminary (151) is designed.

GRADUATE WORK. A person expecting to take a major in Comparative Literature in the Graduate School is expected to have the equivalent of the undergraduate major as defined above. A major in Comparative Literature for candidates for the master's degree should consist in the equivalent of 12 hours (including one seminary course or the preparation of a thesis), in Comparative Literature, in which the work done should be in at least two foreign languages, one of which preferably should be ancient. (Such students as expect to proceed to the doctorate should have three foreign languages, one at least of which must be ancient.) In this portion of the work it is expected that one type of poetry or prose (e. g. the drama, the epic), would be studied intensively.

Along with these courses in Comparative Literature the candidate is expected to elect work in one language department or more to the equivalent of from 9 to 12 hours, depending on the character of the courses.

The whole program of work is expected to follow a harmonious sequence, and to that end the candidate is asked to plan his work with the advice of his major professor and with the cooperation of the professors in other departments concerned.

The candidate for the doctorate with a major in Comparative Literature, in addition to a comprehensive survey of the literature in at least one language (including English), must be ready to show a mastery of one or two different "periods" in modern European literature and one in an ancient, or of the development of one literary genre. In addition he is expected to present a thesis to meet the requirements of the Graduate School. The candidate for the doctorate should offer, in addition, two minors, the equivalent of not less than 30 to 32 credits, in literature, one of which must be in a foreign language.

Comparative Literature may be taken as a minor, first or second, toward the doctor's degree, or as the equivalent of a minor for the master's degree in some other department. Such a minor will be defined to suit the individual needs of the candidate.

FOR UNDERGRADUATES

9. WORLD LITERATURE IN TRANSLATION. Yr; 3 cr. Homer to Whitman and Tolstoi. A study of the tradition of literature. Prerequisite: Sophomore standing. Mr. Buck.

10. CLASSICAL MYTHOLOGY. I; 1 or 2 cr. Prerequisite: Full sophomore standing. Latin not essential. Given 1927-28 and in alternate years. Miss Allen.

48. The Literary Aspects of the English Bible. I; 3 cr. Mr. Lathrop.

50. Masterpieces of Romance Literature. Yr; 2 cr. In translation. Mr. Harris.

67. Contemporary Drama. Yr; 2 cr. Given 1927-28 and in alternate years. In translation. Mr. Pyre.

68. Contemporary Novel. Yr; 2 cr. The English, Continental, and American novel, 1875-1927, in translation. Given 1926-27 and in alternate years. Mr. Fulcher.

73. Ibsen's Social Dramas. II; 2 cr. In translation. Prerequisite: Junior standing. Mr. Olson.

74. Ibsen's Dramatic Poems, Brand and Peer Gynt. I; 2 cr. In translation. Prerequisite: Junior standing. Mr. Olson.

75. German Classics in English Translation. Yr; 2 cr. A study of selected masterpieces of German literature, taken up entirely in English. Not open to freshmen. Lectures, assigned reading, discussions, and topics. The first semester begins with the Nibelungenlied and ends with Schiller; the second semester begins with Goethe and comes down to modern times. Given 1927-28 and in alternate years. Mr. Hohlfeld.

FOR UNDERGRADUATES AND GRADUATES

102. Renaissance Epic. II; 2 cr. The epic form after Virgil; Ariosto, Tasso (in translation); Spencer, Milton. Given 1926-27 and in alternate years. Mr. Dodge.

112. General Survey of Classical Life and Letters. Yr; 1 or 2 cr. In translation. Given 1926-27 and in alternate years. Mr. Showerman.

122. The Fine Arts in Antiquity. II; 1-3 cr. Prerequisite: Sophomore standing. Mr. Showerman.

141. Principles and Practice of Translation. II; 1 or 2 cr. For students with advanced training in French, German, Italian, or Spanish. Lectures on the principles of translation; detailed criticism of various types of translated material; original exercises in translation. The second credit is earned by a topic. Given 1927-28 and in alternate years. Mr. Morgan.

151. Pro-Seminary. Yr; *cr. Individual studies made by students under the direction of the instructor. Thesis students and others wishing to do original work will register for this course. Mr. Buck.

159. Germanic Mythology and Heroic Legends. II; 2 cr. Not given 1927-28. Mr. Roedder.

165. Literary Criticism. Yr; 3 cr. The search for a critical theory. One foreign language required, except for English majors. Mr. Buck.

170. Literary Type: Tragedy. 2 cr. A critical study. At least one foreign language required. Mr. Buck.

171. LITERARY TYPE: COMEDY. I; 2 cr. A critical study. At least one foreign language required. Given 1927-28 and in alternate years. Mr. Buck.

172. LITERARY TYPE: LYRIC POETRY. II; 2 cr. German required. Offered for the first time in 1928-29. Mr. Bruns.

176. THE ROMANTIC MOVEMENT IN FRANCE, GERMANY, AND ENGLAND. Yr; 2 cr. From Rousseau to Goethe and Chateaubriand. Presequisite: Ability to read German and French. Offered for the first time in 1928-29. Mr. Buck.

177. RENAISSANCE SATIRE. II; 3 cr. Given 1927-28 and in alternate years. Mr. Quintana.

FOR GRADUATES

250. THE RENAISSANCE IN ROMANCE COUNTRIES. Yr; 2 cr. Not given 1927-28. Mr. Zdanowicz.

COMPARATIVE PHILOLOGY

PROFESSOR LAIRD, ASSOCIATE PROFESSOR ROEDDER

103. ELEMENTARY SANSKRIT. Yr; 3 cr. Mr. Laird.

104. GOTHIC. I; 2 cr. Mr. Roedder.

220. GREEK GRAMMAR. I; 2 cr. Sounds and forms. Mr. Laird.

225. LATIN GRAMMAR. I; 2 cr. Sounds and forms. Mr. Laird.

ECONOMICS

PROFESSORS COMMONS, ELWELL, GARDNER, GILLIN, GILMAN, GLAESER, HIBBARD, JEROME, KIEKHOFER (Chairman), KOLB, LESCOHIER, MACKLIN, MCNALL, PERLMAN, ROSS, SCOTT, TRUMBOWER, WEHRWEIN.

ASSOCIATE PROFESSORS JAMISON, YOUNG.

ASSISTANT PROFESSORS AURNER, DONALD, FELLOWS, FOX, GIBSON, GROVES, MORTON, PRYOR, P. A. RAUSHENBUSH

LECTURERS ALTMEYER, BEECHER, WITTE, YERXA

INSTRUCTORS ALLIN, BRIDGMAN, CLARKE, HENSEY, MILLER, PERSON, E. B. RAUSHENBUSH

ASSISTANTS BARRY, BAUGH, BRATT, BRYAN, CHALMERS, COMMONS, FERGER, FIELD (deceased Jan. 15), LINS, LOGAN, HELLEBANDT, MOHLER, MORRISON, MURPHY, NEISWANGER, SCHMIDT, STATEN, SWAN, THOMSON, VANCE, WALLIN, WELLS

RESEARCH ASSOCIATES ADAMS, STARR, WOLF

FELLOWS CORRELL, HARNACK (Honorary), KIEHEL, LUMPKIN (Harriet Laird), MAHR (Honorary), MUZUMDAR; SCHOLARS BRETHOWER (Carroll College), HANSEN (Honorary), SNELL (Anna Morris Ely), ZEMPEL

MAJOR

Students majoring in the Department of Economics may take their major in either economics or sociology, in each of which a minimum of 30 credits is required. Courses below marked by a star may not be included in this minimum and, if elected, must be taken in addition to the 120 credits required for graduation from the College of Letters and Science.

Economics. For a major in economics the 30 credits required must include the following: 8 credits in Economics 1a and 1b, 3 credits in Economics 30, 4 credits of thesis or Economics 80, and a minimum of 15 additional credits selected in conference with the major adviser, not including more than 7 credits from Group X, Sociology.

The thesis may be written in any one of the fields designated in Groups II-IX and XI as described on pages 149-154. Usually a minimum of two related courses in the field selected is required as a background for the thesis. Lower group students, i. e., students who fail to earn fifty per cent more grade-points than credits, are barred from writing a thesis and from rights and privileges as to courses which upper group status confers. Such students are required to register in Economics 80 for reading in the field of their concentration. Students are not permitted to choose reading in a field of concentration unless they have successfully carried or are concurrently registered in a minimum of two courses in that field. Toward the end of the senior year a four-hour written examination will be given on the prescribed reading.

Sociology. For a major in sociology the 30 credits required must include the following: 4 credits in Economics 1a, 3 credits in Economics 32, 4 credits of thesis or Economics 80, 4 additional credits in economics, and 15 additional credits from Group X, Sociology, to be selected in conference with the major adviser. Lower group students, i. e., students who fail to earn fifty per cent more grade-points than credits, are barred from writing a thesis and from rights and privileges as to courses which upper group status confers. Such students are required to register in Economics 80 for reading in the field of their concentration. Toward the end of the senior year a four-hour written examination will be given on the prescribed reading.

School of Commerce. In place of majors as above defined, students in the School of Commerce elect groups of courses arranged with a view to preparing them for the vocation they expect to enter. These groups are described on pages 81-84 of this bulletin and in the special bulletin of the School of Commerce.

INDIVIDUAL READING AND RESEARCH

Upper group students who major in the Department and who have done distinctly superior work may, beginning with their junior year, undertake special work outside of regular class instruction. Assignments will be made by professors in charge of the various fields and conferences will be held on such assigned work. An examination will be held toward the end of the junior year on such independent work as shall have been assigned for that year. Toward the end of the senior year there shall be a final examination which, in the case of economics majors, will include general economics, the field of special concentration, and the independent work done under assignments in Economics 180. For

sociology majors such comprehensive examinations will be limited to sociology, including the independent work done on assignments in Economics 180.

SPECIAL PROFESSIONAL AND TECHNICAL COURSES

SCHOOL OF COMMERCE

The importance of professional trained men and women for business was recognized in the establishment of the Course in Commerce in 1900. The course has now become the School of Commerce with work extending over three years, the junior, senior, and one graduate year, and consisting in large part of courses offered by the Department of Economics. See pages 81-84 of this bulletin and the special bulletin of the School of Commerce for details.

INDUSTRIAL RELATIONS

PROF. J. R. COMMONS *in Charge*

The Department of Economics, in cooperation with the Industrial Commission of Wisconsin and the Extension Division of the University, has arranged a sequence of courses preparing for the profession of employment management with business concerns, or for positions as factory inspectors, statisticians, and special investigators with state and federal departments concerned with industrial and agricultural labor, or as employment agents in state and federal employment service.

Arrangements have been made with manufacturing establishments having successful labor departments by which students serve an apprenticeship in order to get practical experience to try out their personality and fitness in dealing with working people, foremen, superintendents, and employers.

Vocational conferences are held with the Industrial Commission, at which employment managers and service workers from various establishments, along with the deputies of the Commission, describe the practical work of the profession. The Industrial Commission provides opportunities for practical work in safety and sanitation, handling child labor permits, and in reports and statistics required of employers, covering accidents, compensation, wages, etc.

Before or after taking these courses the student must demonstrate his personality and fitness by serving for a time, usually at his own expense, as an assistant to a recognized industrial service manager in an establishment carrying on this work. Employers in such establishments are usually willing to furnish this opportunity to properly recommended applicants. The time and expense needed to get this practical experience will depend on the individual. Persons desiring to register for this apprenticeship may do so with the Secretary of the Industrial Commission, Madison.

A suggested sequence of courses follows:

SOPHOMORE YEAR

First Semester	Credits	Second Semester	Credits
Econ. 1a—General economics	4	Econ. 1b—General economics	4
Psych. 1—Introductory psychology	3	Psych. 1—Introductory psychology (repeated)	3
		Phys. Ed. 16—First aid to the injured	1

JUNIOR AND SENIOR YEARS

Econ. 30--Economic statistics 3
Econ. 122—Labor problems..... 3
Econ. 119—Evolution of capitalism..... 3
Econ. 123—Labor legislation 3
Pol. Sci. 112—Introduction to constitutional law 3
Econ. 131—Wages and prices 2
Econ. 141—Poverty and relief 3
Econ. 144—Capitalism and socialism 3
Econ. 30—Economic statistics (repeated) 3
Econ. 132—Statistical analysis of business cycles..... 3
Econ. 145—American labor history..... 3
Econ. 148--Foreign labor movements .. 3
Econ. 140—General sociology 3
Econ. 172—Immigration and race problems 3
Econ. 174—The labor market..... 3

SPECIAL COURSES

Ind. Ed. 120——Job and occupational analysis 2
Psych. 115—Vocational psychology..... 3
Speech 25—Correction of speech disorders 3
Educ. 244—Mental tests 2
City Plan. 102—Industrial housing..... 2
Shop work 1-3
Econ. 100—Thesis in labor legislation, labor problems, labor history, labor market, industrial management 2
Econ. 121—Property insurance 2
Econ. 171—Labor management 3
Econ. 175—Technique of field investigation 1
Ind. Ed. 121—Employe and leadership training 2
Speech 25—Correction of speech disorders (repeated) 3
City Plan. 102—Industrial housing (repeated) 1-3
Shop work 2
Econ. 100—Thesis 2

SOCIAL WORK

PROF. J. L. GILLIN *in Charge*

The demand for trained workers in the different fields of social service is greater than can be supplied. The fields include family and child welfare, juvenile protection and probation, mothers' pension, medical and psychiatric social work and the work of school attendance officers, community chest executives, and visiting teachers. To help supply this need, the Department of Economics has coordinated the courses offered in the University which provide training for social work, thereby giving students who desire a liberal education the fundamental and technical training which will hasten their preparation for work in this field. Some of these courses supply that broad liberal background necessary to an understanding of society, past and present, while others provide technical training in tht adjustment of personality to social conditions on the one hand, and of social conditions to personality on the other. The present arrangement saves the student at least a year in his professional training. Proficient students are recommended directly to social agents as visitors in training or for fellowships and scholarships in professional training schools of social work.

At the present time arrangements are made for the student who is looking forward to social work to prepare himself for two different kinds of work,—(1) family case work, and (2) group work. In the first case he does 250 hours of field work in the Madison Public Welfare Association or Juvenile Court; in the second, he does the same amount of field work with the Neighborhood House, the Y. W. C. A., Y. M. C. A., the Boy Scouts, or some other agency with which proper arrangements have been made and which deals with group activities. In

both cases the field work is supervised by the University. Only a limited number of students can be admitted to these classes.

During the last three years the following courses should be taken, preferably in the years suggested:

SOPHOMORE YEAR

First Semester	Credits	Second Semester	Credits
Econ. 1a—General economics	4	Econ. 1b—General economics	4
Econ. 4—Social problems	3	Econ. 46—Social origins	3
		Phys. Ed. 80—Community recreation	2

JUNIOR YEAR

Econ. 141—Poverty and relief	3	Econ. 161—Criminology and penology	3
Econ. 25—Rural life	3	Econ. 32—Social statistics (repeated)	3
Econ. 32—Social statistics	3	Speech 25—Correction of speech disorders (repeated)	3
Econ. 139—Social psychology	3	Home Econ. 1b—Introduction to home economics	2-4
Speech 25—Correction of speech disorders	3		
Zool. 6—Heredity and eugenics	2		
Home Econ. 1a—Introduction to home economics	2-4		
Home Econ. 47—Diet problems in feeding children	3		

SENIOR YEAR

Econ. 164—Principles of social service	2	Econ. 140—General sociology	3
Econ. 177—Social agencies and social legislation	2	Econ. 147—Methods of social case work	2
Speech 125—Advanced correction of speech disorders	3	Econ. 178—Principles of social organization and administration	2
Econ. 162—Child welfare	2	Speech 125—Advanced correction of speech disorders (repeated)	3

LAND ECONOMICS

PROF. B. H. HIBBARD and G. S. WEHRWEIN *in Charge*

Realizing that the proper utilization and development of our land resources —agricultural, forest, mineral, and urban—constitute one of the most important problems of society, courses dealing with land as an economic factor in both its public and private aspects are offered. It is suggested that those planning to major in land economics include in the first two years of undergraduate work courses in geography or geology in satisfaction of the science requirement, and Mathematics 7, Theory of investment, in partial satisfaction of the requirement in mathematics. In the sophomore year Economics 1a and 1b should be elected in preparation for advanced courses. Students planning to specialize in real estate, whether registered in the School of Commerce or not, are advised to elect Elements of accounting (Economics 8a and 8b) in their junior year. All students desiring to specialize in land economics are advised to elect Outlines of land economics (Economics 117) in the first semester of their junior year. This course may be followed by Urban land economics (Economics 179) in the second semester.

The following courses are suggested as additional electives for students interested particularly in agricultural, mineral, or forest land: Rural life (Economics 25); Marketing of farm products (Economics 128); Agricultural geography (Geography 106); Industrial geography (Geography 127); Economic aspects of geology (Geology 150); Economic aspects of mining (Mining 150); Origin and classification of soils and agricultural climatology (Soils 125); Forestry (Forestry 1); Landscape gardening (Horticulture 6); Rural improvement (Horticulture 126).

AGRICULTURAL ECONOMICS

PROF. B. H. HIBBARD *in charge*

The courses in agricultural economics are intended to give the student a knowledge of the economic principles which relate to the production and marketing of farm products, and to the economic condition of the agricultural classes. The Department prepares its students for positions as teachers and research workers in the field of agricultural economics, for positions in agricultural marketing, and for practical work as farm managers.

I. ECONOMIC THEORY

1a. GENERAL ECONOMICS. I, II; 4 cr. Production, exchange, and value. Prerequisite: Full sophomore standing. Mr. Kiekhofer, Mr. Raushenbush and staff.

1b. GENERAL ECONOMICS. I, II; 4 cr. Distribution, consumption, public finance, and economic policies. Prerequisite: Economics 1b. Mr. Kiekhofer, Mr. Raushenbush, and staff.

143. PUBLIC VALUE. I; 3 cr. Prerequisites: Senior standing and consent of instructor. Mr. Commons.

150. ECONOMIC THEORY. Yr; 2 cr. Conferences on assigned readings. Prerequisite: Consent of instructor. Mr. Kiekhofer, Miss Pryor.

173. ECONOMICS OF CONSUMPTION. I, II; 2 cr. Prerequisite: Economics 1b. Miss Pryor.

180. READING IN ECONOMICS OR SOCIOLOGY. Yr; *cr. Prerequisite: Candidacy for degree with honors in major. Students electing this work will be expected to pass a comprehensive examination in the field of their major. Staff.

200. DEVELOPMENT OF ECONOMICS. Yr; 2 cr. Prerequisites: Graduate standing and Economics 1b. Mr. Scott.

210. VALUE AND VALUATION. Yr; 2 cr. Prerequisite: Graduate standing. May be taken more than once with consent of instructor. Mr. Commons.

218. ECONOMIC INSTITUTIONS. II; 3 cr. Prerequisite: Graduate standing. Mr. Glaeser.

250. SEMINARY IN ECONOMIC THEORY. Yr; 2 cr. Prerequisite: Graduate standing. Mr. Kiekhofer.

280. READING AND RESEARCH IN ECONOMICS OR SOCIOLOGY. Yr; *cr. Prerequisite: Open only to advanced graduate students. Staff.

II. AGRICULTURAL ECONOMICS

25. RURAL LIFE. I; 3 cr. Prerequisite: Sophomore standing. Mr. Kolb.

107. FARM COST ACCOUNTING. II; 2 cr. Prerequisite: Agricultural Economics 8. Mr. McNall.

127. COOPERATIVE MARKETING. II; 2 cr. Prerequisite: Economics 128. Mr. Macklin.

128. MARKETING OF FARM PRODUCTS. II; 3 cr. Prerequisite: Economics 1a or middle course sophomore standing. Mr. Macklin.

152. FARMER MOVEMENTS. I; 2 cr. Prerequisite: Agricultural Economics 1. Mr. Allin.

193. AGRICULTURAL CREDIT. II; 2 cr. Prerequisite: Economics 1a. Not given 1927-28. Mr. Hibbard.

225. SEMINARY IN RURAL SOCIAL ORGANIZATION. I; 2 cr. Prerequisite: Economics 25 or consent of instructor. Mr. Kolb.

229. ADVANCED AGRICULTURAL ECONOMICS. Yr; 2 cr. Prerequisite: Graduate standing. Mr. Hibbard.

III. ACCOUNTING

★8a. ELEMENTS OF ACCOUNTING. I, II; 3 cr. Prerequisite: Junior standing. Lab. fee $1.50. Mr. Gibson, Miss Hensey.

★8b. ELEMENTS OF ACCOUNTING. I, II; 3 cr. Prerequisite: Economics 8a and Mathematics 7b. Lab. fee $2.50. Mr. Elwell, Mr. Gibson, Miss Lins.

90 (314). THE TEACHING OF BOOKKEEPING. II; 2 cr. Prerequisites: Senior standing and Economics 181. Miss Hensey.

181. THEORY AND PRACTICE OF ACCOUNTING. I; 3 cr. Prerequisite: Economics 8b. Lab. fee $1.50. Mr. Elwell, Mr. Gibson, Miss Hensey.

182. COST ACCOUNTING. I; 2 cr. Prerequisite: Minimum grade of 85 in Economics 181. Lab. fee $1.50. Mr. Gibson.

183. ADVANCED ACCOUNTING PROBLEMS. II; 2 cr. Prerequisite: Minimum grade of 85 in Economics 181. Lab. fee $1.50. Mr. Gibson.

184. AUDITING. II; 2 cr. Prerequisite: Minimum grade of 85 in economics 181. Lab. fee $2.00. Mr. Elwell, Miss Lins.

★Does not count toward the requirements for graduation from the College of Letters and Science except for students in the School of Commerce or the Chemistry-Commerce Course.

186. Accounting Systems. I; 1 cr. Prerequisite: Minimum grade of 85 in Economics 182. Mr. Elwell.

187. Governmental Accounting. II; 2 cr. Prerequisite: Minimum grade of 85 in Economics 182. Mr. Elwell.

208. Accounting Principles. I; 2 cr. Prerequisite: Graduate standing Mr. Elwell.

283. Seminary in Accounting and Business Statistics. Yr; 2 cr. Prerequisite: Graduate standing and consent of instructor. Mr. Elwell, Mr. Fox.

IV. BUSINESS ADMINISTRATION AND COMMERCIAL LAW

★★6. Business Letter Writing. I, II; 2 cr. Prerequisite: Junior standing. Mr. Aurner.

★11. Business Management. I, II; 2 cr. Prerequisite: Junior standing. Mr. Jamison.

★13. Marketing Methods. I, II; 2 cr. Prerequisite: Junior standing. Mr. Fellows.

★14. Sales Administration. II; 2 cr. Prerequisite: Economics 13. Mr. Fellows.

★15. Retail Advertising. I; 2 cr. Prerequisite: Junior standing. Mr. Aurner, Mr. Fellows.

★16. Advertising Campaigns. II; 2 cr. Prerequisites: Economics 13 and 15 and junior standing. Mr. Aurner, Mr. Fellows.

109. Commercial Law. Yr; 3 cr. Prerequisite: Senior standing or consent of instructor. Mr. Gilman.

211. Seminary on Business Associations. Yr; 2 cr. Economic and legal aspects of business association problems. Conducted jointly with the Law School. Prerequisite: Consent of instructor. Not given 1927-28. Mr. Richards, Mr. Jamison.

213. Marketing of Manufactured Products. Yr; 2 cr. Not given 1927-28. Mr. Gardner.

V. FINANCE

5. Money and Banking. I, II; 3 cr. Prerequisites: Economics 1a and junior standing. Mr. Scott and staff.

37. Fundamentals of Business Finance. I; 3 cr. Prerequisites: Economics 1a and junior standing. Given only in 1927-28. Mr. Jamison.

★Does not count toward the requirements for graduation from the College of Letters and Science except for students in the School of Commerce or the Chemistry-Commerce Course, and in other special courses as follows: Economics 15 and 16 count also in the Course in Journalism and Economics 11 in the Chemistry Course.

★★May be taken for credit only by students in a technical course, by seniors preparing to teach the subject, or by students who have taken one semester of English 2.

103. PUBLIC EXPENDITURES AND TAX DISTRIBUTION. I, II; 2 cr. Prerequisite: Economics 124 or consent of instructor. Mr. Groves.

110. INVESTMENTS. II; 2 or 3 cr. Prerequisites: Senior standing and minimum grade of 80 in Economics 137 and 181. Mr. Gilman.

124. TAXATION AND TAX SYSTEMS. I, II; 3 cr. Prerequisite 1b. Mr. Groves.

133. FINANCIAL HISTORY OF THE UNITED STATES. II; 3 cr. Prerequisites: Economics 1b and upper-group status. Mr. Scott.

134. THE MONEY MARKET. I; 3 cr. Prerequisites: Minimum grade of 80 in Economics 5 and upper-group status. Mr. Scott.

137. CORPORATION FINANCE. I, II; 3 cr. Prerequisite: Economics 5. Mr. Gilman, Mr. Jamison.

151. LATIN AMERICA: ECONOMIC DEVELOPMENT AND TRADE. I; 3 cr. Prerequisite: Economics 1b. Offered for the first time in 1928-29. Mr. Lloyd Jones.

153. INTERNATIONAL FINANCE. II; 2 cr. Prerequisites: Upper-group status and 16 credits in economics, including Economics 1b. Not given 1927-28. Mr. Kiekhofer.

154. RISKS AND RISK-BEARING. I; 3 cr. Prerequisite: Economics 1b. Mr. Morton.

191. THE CREDIT SYSTEM. II; 3 cr. Prerequisite: Grade of C in Economics 5. Mr. Morton.

237. SEMINARY IN BUSINESS FINANCE. Yr; 2 cr. Prerequisite: Graduate standing and consent of instructor. Mr. Jamison.

VI. INSURANCE

121. PROPERTY INSURANCE. II; 2 cr. Prerequisite: Economics 1a. Mr. Beecher.

138. LIFE INSURANCE. I; 2 cr. Prerequisite: Economics 1a. Mr. Beecher.

VII. LABOR

119. EVOLUTION OF CAPITALISM. I; 3 cr. Prerequisite: Economics 1b. Mr. Perlman.

122. LABOR PROBLEMS. I; 3 cr. Prerequisite: Economics 1b. Mr. Perlman.

123. LABOR LEGISLATION. I; 3 cr. Prerequisite: Economics 1b. Mrs. Raushenbush, Mr. Witte.

144. CAPITALISM AND SOCIALISM. II; 3 cr. Prerequisites: Economics 1b and senior standing. Not given 1927-28. Mr. Commons.

145. American Labor History. II; 3 cr. Prerequisite: Economics 1b. Mr. Perlman.

148. Foreign Labor Movements. II; 3 cr. Prerequisite: Economics 1b. Mr. Perlman.

171. Labor Management. I, II; 3 cr. Prerequisites: Economics 1b or major in industrial education or engineering. Mr. Lescohier.

174. Labor Market. I; 3 cr. Prerequisite: Economics 1b. Mr. Leschohier.

265. Seminary in Labor. Yr; 2 cr. Labor problems, labor history, labor legislation, and labor market. Mr. Commons, Mr. Lescohier, Mr. Perlman.

Students majoring in economics may include in the list of courses accepted for the major: Economics 172, Immigration and Race Problems, listed under Group X, Sociology.

VIII. LAND ECONOMICS

117. Outlines of Land Economics. I; 3 cr. Prerequisite: Economics 1b. Mr. Hibbard.

179. Urban Land Economics. II; 2 cr. Prerequisite: Economics 1b. Mr. Wehrwein.

226. Land Problems. Yr; 2 cr. Mr. Hibbard, Mr. Wehrwein.

IX. PUBLIC UTILITIES

135. Transportation Utilities. II; 3 cr. Prerequisite: Economics 142. Mr. Trumbower.

136. Transportation Problems. II; 3 cr. Prerequisite: Economics 142 or consent of instructor. Mr. Trumbower.

142. Public Utilities. I, II; 3 cr. Prerequisites: Economics 1b or concurrent registration, or consent of instructor. Mr. Glaeser, Mr. Trumbower.

168. Highway Transportation. I; 3 cr. Prerequisite: Economics 1b or consent of instructor. Mr. Trumbower.

189. Railway Traffic and Rates. I; 3 cr. Prerequisite: Economics 142 or consent of instructor. Mr. Trumbower.

195. Municipal Utilities. II; 3 cr. Prerequisite: Economics 142. Mr. Glaeser.

266. Seminary in Public Utilities. Yr; 2 cr. Prerequisites: Graduate standing and consent of instructor. Mr. Glaeser, Mr. Trumbower.

X. SOCIOLOGY

4. Introduction to Sociology: Social Problems. I; 3 cr. Not open to freshmen. Mr. Young and staff.

46. Introduction to Sociology: Social Origins. II; 3 cr. Not open to freshmen. Mr. Young and staff.

139. Social Psychology. I; 3 cr. Prerequisite: For sociology majors: Econ. 4 and 46 or concurrent registration in Econ. 4; for others: junior standing. Mr. Ross, Mr. Young.

140. General Sociology. II; 3 cr. Prerequisite: For sociology majors: Econ. 4 or 46 or concurrent registration in Econ. 46. For others: senior standing or concurrent registration in Econ. 46. Mr. Ross.

141. Poverty and Relief. I; 3 cr. Prerequisites: For sociology majors: Econ. 4 and 46 or concurrent registration in Econ. 4. For others: Junior standing or concurrent registration in Econ. 4. Mr. Gillin, Mr. Person.

147. Methods of Social Case Work. II; 2 cr. Prerequisite: Economics 164. Miss Clarke.

161. Criminology and Penology. II; 3 cr. Prerequisites: For sociology majors: Econ. 4 and 46 or concurrent registration in Econ. 46. For others: junior standing or Econ. 46, or concurrent registration. Mr. Gillin, Mr. Person.

162. Child Welfare. I; 2 cr. Prerequisite: Full junior standing. Miss Yerxa.

163. Population Problems. I; 2 cr. Prerequisite: Senior or graduate standing. Mr. Ross.

164. Principles of Social Service. I; 2 cr. Prerequisites: Economics 177 or concurrent registration, senior standing, and consent of instructor. Miss Clarke.

172. Immigration and Race Problems. I; 3 cr. Prerequisites: Junior standing and Economics 1a. (Not given 1927-28.) Mr. Lescohier.

176. History of Social Thought. II; 3 cr. Prerequisite: Senior or graduate major in sociology or consent of instructor. Mr. Young.

177. Social Agencies and Social Legislation. I; 2 cr. Prerequisite: Economics 141. Miss Clarke.

178. Social Organization and Administration. II; 2 cr. Prerequisite: Economics 177. Miss Clarke.

197. The Individual and Social Adjustment. II; 3 cr. Prerequisite: Economics 139 or senior standing. Mr. Young.

204. Cultural Anthropology. I; 2 cr. Prerequisite: Graduate standing. Mr. Young.

239. Seminary in Public Opinion. II; 2 cr. Prerequisite: Graduate standing. Mr. Harris, Mr. Hyde, Mr. Young.

256. Development of Correctional Policies. I; 2 cr. Prerequisite: Graduate standing. Not given 1927-28. Mr. Gillin.

258. Degeneracy and Society. I; 2 cr. Prerequisite: Graduate standing. Not given 1927-28. Mr. Gillin.

259. Development of Poor Law Policy. I; 2 cr. Prerequisite: Graduate standing. Not given 1927-28. Mr. Gillin.

260. Seminary on Cities. I; 2 cr. Prerequisite: Graduate standing. Mr. Ross.

261. Seminary on Group Conflicts. II; 2 cr. Prerequisite: Graduate standing. Not given 1927-28. Mr. Ross.

262. Seminary on the American Family. I; 2 cr. Prerequisite: Graduate standing. Not given 1927-28. Mr. Ross.

263. Seminary on Social Mobility. II; 2 cr. Prerequisite: Graduate standing. Mr. Ross.

269. Research Seminary. II; 2 cr. Prerequisite: Graduate standing. Not given 1927-28. Mr. Gillin.

XI. STATISTICS

30. Economic Statistics. I, II; 3 cr. Prerequisite: Economics 1a and major in economics. Lab. fee $1.50. Mr. Jerome and staff.

31. Business Statistics. I, II; 3 cr. Prerequisite: Economics 1a and registration in School of Commerce. Lab. fee $1.50. Mr. Fox and staff.

32. Social Statistics. I, II; 3 cr. Prerequisite: Economics 1a and major in sociology. Lab. fee $1.50. Mr. Mohler.

130. Statistical Method. I; 3 cr. Prerequisite: Graduate Standing. Lab. fee $1.50. Mr. Jerome.

131. Wages and Prices. I; 2 cr. Prerequisite: A course in statistics. Mr. Lescohier.

132. Statistical Analysis of Business Cycles. II; 3 cr. Prerequisites: A course in statistics and upper-group status or graduate standing, or consent of instructor. Given 1927-28 and in alternate years. Mr. Jerome.

175. Technique of Field Investigation. II; 1 cr. Prerequisites: Senior standing and upper group status. Not given 1927-28. Mr. Lescohier.

196. Advanced Statistical Technique. II; 3 cr. Prerequisite: A course in statistics. Given 1926-27 and in alternate years. Mr. Jerome.

230. Seminary in Statistical Research. Yr; 2 cr. Prerequisite: Graduate standing. Mr. Jerome.

283. Seminary in Accounting and Business Statistics. Yr; 2 cr. Prerequisite: Graduate standing and consent of instructor. Mr. Elwell, Mr. Fox.

See Mathematics 136, 137, and 238 for courses in the mathematics of statistics, and Drawing 8 (College of Engineering) for course in chart drawing.

EDUCATION

PROFESSORS CLAPP, EDGERTON, FOWLKES, HART, MILLER†, O'SHEA, UHL (chairman)

ASSOCIATE PROFESSORS ANDERSON, BARR, CHASE, JONES, MERRIMAN, WILLINGERSON

ASSISTANT PROFESSORS DAVIS, DORRANS, RAGSDALE; LECTURERS GREELEY, TORG-

ASSISTANTS BUTLER, DAGGETT, ERVIN, HEUBNER, MITCHELL, MORLEY, REPPEN, WILLIAMS

RESEARCH ASSISTANTS HARRIS, HRUDKA; FELLOW NELSON; HONORARY SCHOLARS MCGRATH, ROSANDER

Students below the junior class are not admitted to courses in the Department of Education except Courses 6, 11, and 31 (open to sophomores) without the written permission of the instructor in charge. This permission is granted only to mature students and to students properly prepared who are under the necessity of leaving the University, before graduation, to enter teaching.

Courses 6, 11, 31, and 75 are regarded as elementary and as introductory to the advanced courses given in the department. These courses are not open for election by graduates of the professional courses of the normal schools without special action by the department. Courses numbered in the 200-group are open to properly qualified seniors who obtain the consent of the instructor.

MAJOR. Candidates for a bachelor's degree who elect education as a major automatically become candidates for the University Teachers' Certificate and must, therefore, acquire 124 credits and grade-points for graduation. They must also meet the following specific requirements:

1. They must present 24 credits in education, including courses 31, 75, and 147 (Economics 30, 31, 32, or 130 may be substituted for Education 147), and a minimum of two advanced courses in one of the eight divisions of the Department of Education:

History of Education
Educational Psychology
Secondary Education
Elementary Education
Educational Organization and Administration
Educational Measurements and Scientific Techniques
Educational Supervision and Methods

VOCATIONAL GUIDANCE AND VOCATIONAL EDUCATION

Teachers' courses numbered 90 or 91 (numbered in the 300-group in the 1928-29 announcements) in other departments cannot be counted toward a major in education. A minimum of 15 credits in education must be completed in residence at this institution. Not more than 6 credits in education may be elected before attainment of junior standing.

2. Lower-group students shall, at the option of the Department of Education present a thesis, or substitute therefor four credits in advanced courses.

3. They must meet the University requirement for a teaching major, with

†Deceased October 13, 1928.

the exception of a thesis, in one academic department other than education, or for teaching minors in two academic departments other than education. (These requirements should be fulfilled in departments whose subjects are taught in elementary or secondary schools.) A student must earn as many grade-points as credits in these departments. Students who transfer from other institutions must complete a minimum of two advanced courses in their major or one advanced course in each of their minor subjects at the University of Wisconsin, and must earn as many grade-points as credits in the courses pursued in majors or minors at this University.

Bureau of Educational Research. A bureau of educational research has been established in the School of Education for the purpose of coordinating and facilitating research in education with particular reference to the public schools of the state. The facilities of the bureau are available for use by graduate students majoring in education and in allied departments and by superintendents, principals, and teachers throughout the state. Bulletins and studies, reporting the results of investigations, are issued from time to time. (See bulletin of the Graduate Division of Education, Psychology, and Allied Fields.) The work of the bureau is in charge of a committee consisting of members of the faculty of the Department of Education.

University Teachers' Certificate. See page 87.

ELEMENTARY COURSES

6. Introduction to Education. I; 2 cr. Mr. Clapp.

11. Mental Development. I, II; 2 or 3 cr. Mr. O'Shea.

31. Principles of Secondary Education. I, II; 3 cr. Mr. Willing.

75. Psychology and Practice of Teaching. I, II; 5 cr. This course includes educational practice (one credit) and laboratory work in educational psychology. In the College of Letters and Science educational practice may not be counted as part of the 120 credits required for graduation, but is counted, however, toward the University Teachers' Certificate. Open only to students qualifying for the University Teachers' Certificate. Mr. Merriman, Mr. Miller, Mr. Anderson, Mr. Ragsdale.

EDUCATIONAL ORGANIZATION AND ADMINISTRATION

105. City School Administration. I; 3 cr. Mr. Fowlkes.

106. The Teaching Staff. I; 2 cr. Mr. Fowlkes.

165. Elementary School Organization and Administration. II; 3 cr. Mr. Fowlkes.

170. Administration and Supervision of Rural Schools. I; 2 cr. Mr. Anderson.

171. Business Elements of Educational Administration and School Finance. I; 3 cr. Prerequisite: Major in education. Mr. Fowlkes.

271. Seminary in School Finance. II; 2 cr. Mr. Fowlkes.

272. School Buildings and School Building Programs. II; 2 or 3 cr. Mr. Fowlkes.

278. Seminary in School Administration. Yr; 1 or 2 cr. Mr. Fowlkes.

PROFESSIONAL TRAINING OF TEACHERS

119. Health and Hygiene. II; 2 cr. Mr. Greeley.

235. Professional Preparation of Elementary Teachers. II; 3 cr. Mr. Anderson.

For related courses see Education 107, 110, 128, 129, 138, 139, 140, 143, 144, 146, 147, 161, 167, and 190.

RURAL EDUCATION

1. Rural Education. I; 2 cr. Mr. James.

25. Rural Life. I; 3 cr. Prerequisite: sophomore standing. Mr. Kolb.

170. Administration and Supervision of Rural Schools. I; 2 cr. Mr. Anderson.

270. Research in Rural Education. I; 2 cr. Mr. Anderson.

See also Education 128.

EDUCATIONAL MEASUREMENTS AND SCIENTIFIC TECHNIQUES

107. School Surveys and Current Educational Problems. II; 3 cr. Mr. Anderson.

138. Classroom and Supervisory Uses of Educational Tests. Yr; 2 cr. Mr. Torgerson.

140. Test Construction and Improvement of Examinations. I; 2 cr. Mr. Torgerson.

146. Mental Tests. II; 2 cr. Mr. Torgerson.

147. Statistical Methods Applied to Education. I, II; 3 cr. Required of majors in education. Mr. Merriman.

214. Seminary in Adult Education. Yr; 2 cr. Mr. Hart.

239. Seminary, Methods of Educational Research. I; 2 cr. Mr. Barr.

For related courses see Education 203, 220, 248, 263, and 278, Psychology 116, Mathematics 136 and 137.

EDUCATIONAL PSYCHOLOGY

112. Social Development and Education. I, II; 2 or 3 cr. Mr. O'Shea.

131. Psychology of High-School Subjects. I; 2 cr. Mr. Uhl.

143. Individual Differences and the Measurement of Intelligence. II; 3 cr. Mr. Henmon.

144. The Psychology of Learning. I; 3 cr. Mr. Henmon.

145. The Psychology of Motor Learning. Yr; 2 cr. Prerequisite: Education 143 or 144 or concurrent registration. Mr. Ragsdale.

161. The Psychology of Elementary School Subjects. II; 3 cr. Prerequisite: Educational psychology or satisfactory teaching experience. Mr. Clapp.

220. Seminary in Education. Yr; 1 or 2 cr. Mr. O'Shea.

245. Research in Motor Learning. Yr; 2 cr. Prerequisite: Education 145 or concurrent registration. Mr. Ragsdale.

248. Research in Educational Psychology. Yr; 1 or 2 cr. Mr. Merriman, Mr. Ragsdale.

For related courses see Education 138, 140 and 146.

VOCATIONAL GUIDANCE AND VOCATIONAL EDUCATION

113. Vocational and Educational Guidance. I; 2 cr. Mr. Edgerton.

114. Occupational Visitation and Coordination. Yr; 2-4 cr. Mr. Dorrans.

115. Vocational Aptitude Tests. I; 3 cr. Prerequisite: Psychology 103 or Education 147. Mr. Hull.

116. Vocational Guidance and Counseling Problems. II; 2 cr. Mr. Edgerton.

155. Employe and Leadership Training Problems. II; 2 cr. Mr. Edgerton.

216. Seminary, Direction of Vocational and Educational Guidance. Yr; 2 cr. Prerequisite: Graduate standing or teaching experience. Mr. Edgerton.

252. Seminary, Vocational Analysis and Research. Yr; 2 cr. Prerequisite: Graduate standing or teaching experience. Mr. Edgerton.

EDUCATIONAL SUPERVISION AND METHODS

110. Supervision of Elementary School Subjects. I; 3 cr. Mr. Anderson.

136. Supervision of High School Subjects. II; 2 cr. Mr. Uhl.

139. Technique of Supervision. I; 3-5 cr. Mr. Barr.

170. Administration and Supervision of Rural Schools. I; 2 cr. Mr. Anderson.

190. Experimental Study of Teaching. II; 3-5 cr. An advanced course in educational method. Prerequisite: Education 75 or teaching experience. Mr. Barr.

191. Problems in the Teaching of Literature. II; 2 cr. Prerequisite: English 90, or consent of instructor. Mr. S. A. Leonard.

192. Problems in Teaching of English Composition. I; 2 cr. Prerequisite: English 90 or consent of instructor. Mr. S. A. Leonard.

195. The Teaching of General Science. II; 2 cr. Mr. Davis.

197. The Content of General Science. I; 2 cr. Mr. Davis.

290. Research in Supervision and the Improvement of Teaching. Yr; 2 cr. Mr. Barr.

291. Seminary, Quantitative Methods in the Supervision of Instruction. II; 2 cr. Mr. Barr.

For related courses see the departmental teachers' courses numbered 90, 190, and 290.

CURRICULUM CONSTRUCTION

111. Elementary School Curriculum. I; 3 cr. Mr. Clapp.

128. Educational Sociology. I; 2 cr. Mr. Willing.

129. Curriculum Construction. II; 2 cr. Mr. Willing.

130. Secondary School Curricula. I; 2 cr. Mr. Uhl.

ELEMENTARY EDUCATION

107. School Surveys and Current Educational Problems. II; 3 cr. Mr. Anderson.

110. Supervision of Elementary School Subjects. I; 3 cr. Mr. Anderson.

111. Elementary School Curriculum. I; 3 cr. Mr. Clapp.

161. Psychology of Elementary School Subjects. II; 3 cr. Prerequisite: Educational psychology or satisfactory teaching experience. Mr. Clapp.

165. Elementary School Organization and Administration. II; 3 cr. Mr. Fowlkes.

167. Investigations in Reading. II; 2 cr. Mr. Anderson.

235. The Professional Preparation of Elementary Teachers. II; 3 cr. Mr. Anderson.

263. Seminary in Elementary Education. Yr; 1 or 2 cr. Mr. Clapp.

SECONDARY EDUCATION

128. Educational Sociology. I; 2 cr. Mr. Willing.

129. Curriculum Construction. II; 2 cr. Mr. Willing.

130. Secondary School Curricula. I; 2 cr. Mr. Uhl.

131. *Psychology of High-School Subjects.* I; 2 cr. Mr. Uhl.

136. Supervision of High School Subjects. II; 2 cr. Mr. Uhl.

138. Classroom and Supervisory Uses of Educational Tests. Yr; 2 cr. Mr. Torgerson.

139. Technique of Supervision. I; 3-5 cr. Mr. Barr.

230. Seminary in Secondary Education. II; 2 cr. Mr. Uhl.

237. High-School Administration: Organization of the School. I; 2 cr. Mr. Willing.

For related courses see Education 190, 290, 291.

HISTORY AND PHILOSOPHY OF EDUCATION

101. History of Modern European Education. II; 3 cr. Mr. Chase.

102. History of Ancient and Medieval Education. I; 3 cr. Mr. Chase.

103. History of American Education. I, II; 3 cr. Mr. Chase.

117. Philosophy of Education. II; 2 cr. Mr. Clapp.

125. The Social Aspects of Education. II; 3 cr. Mr. Hart.

126. The Social Interpretation of Education. I; 3 cr. Mr. Hart.

203. Pro-Seminary in the History of American Education. II; 2 cr. Mr. Chase.

204. European School Systems and Recent Educational Progress. I; 2 cr. Mr. Chase.

213. Contemporary American Education. I; 2 or 3 cr. Mr. O'Shea.

ENGLISH

PROFESSORS BEATTY, DODGE, HUBBARD* (Emeritus), LATHROP (Chairman), W. E. LEONARD, PYRE, ROE, TAYLOR

ASSOCIATE PROFESSORS CAIRNS, FOSTER, GLICKSMAN, S. A. LEONARD

ASSISTANT PROFESSORS FULCHER, HANLEY, QUINTANA, WALES, WALLERSTEIN, H. C. WHITE

INSTRUCTORS BABB, BRISCOE, CLAPP, CONWELL, DAUGHERTY, DISSINGER, DWYER, HARNACK, MCCANSE, PHILLIPS, E. F. POPE, ROGERS, RYAN, ST. CLAIR, SCALLON, SHANKS, SHARP, SPENCE, TEATS, THORNBURY, R. C. WHITE, WOOD, ZUCKER

ASSISTANTS BACKUS, BROWNLEE, CALKINS, CARD, CARY, CHAMBERLAIN, COUTU, DOAN, ELIOT, FALLS, FREEMAN, HALL, HARRIS, HARRISON, JENKINS, KITTREDGE, KRUEGER, MCMULLEN, MONK, PAULSON, PAYNE, POINDEXTER, M. I. POPE, RICKETT, RUBEL, RUSSELL, SALTUS, SAUNDERS, SCHWAB, TROYER, VILJOEN, WEBSTER, WHEELER

FELLOWS (Mary M. Adams), BRADFORD, NEWSOME, WHEELER; SCHOLAR FELTEN (Lawrence College)

MAJOR: A minimum of 34 credits, including freshman composition and either 6 credits in English 30 or 4 credits in English 33, together with at least one course from each of the following groups: (a) 34 (3 cr.) or 35 (3 cr.), or 40 (4 cr.), normally in junior year; (b) 37, 136, or 137, junior or senior year; (c) 31, 118, 120, 123, 129, 156, 157, 158, 159, or 160; (d) a thesis or equivalent, senior year. Students intending to choose English as their major study are strongly urged to take English 30, Survey of English Literature, in their sophomore year. A thesis is required only of upper-group students; others are required to substitute four credits in courses of the one-hundred group in addition to those offered in satisfaction of the above group requirements. Students entering with advanced standing are generally required to earn 20 credits in English at the University of Wisconsin.

TEACHER TRAINING. A student who is majoring in English for the teachers' certificate is required to take English 340 and either 120 or 123 in place of the option from group (c) above, excepting that one who has adequate training in Latin or Greek may substitute some other English course for 120 or 123. All students, whether or not they are candidates for the teachers' certificate, who wish to have the department recommend them as teachers of English, are required to take English 340 and to pass an examination in English grammar. For the teachers' minor in English see page 91.

LIBRARY WORK. Of the twenty hours of library work for which credit is given by the University, four may be counted toward an English major if the candidate so desires, reducing the minimum number of credits to thirty, but not otherwise abridging the above requirements. A detailed statement of the Library School may be found on page 118.

ADVANCED DEGREES. For the requirements for advanced degrees see the Graduate Bulletin, or under the heading Graduate School in this catalog.

*Deceased March 15, 1928.

RHETORIC AND COMPOSITION

FOR UNDERGRADUATES

A. ENGLISH COMPOSITION. Three hours a week; no credit. For students who have failed to pass the preliminary test. Miss Ryan and staff.

1a. FRESHMAN ENGLISH. I, II; 3 cr. Required of freshmen in all colleges. Mr. Taylor and staff.

1b. FRESHMAN ENGLISH. I, II; 3 cr. Continuation of English 1a. Required of all freshmen excepting those who receive a grade of A in English 1a. On the completion of this course, a provisional pass mark is given; if subsequently a student is reported deficient or careless in English composition, he may be required to take additional work in that subject. Mr. Taylor and staff.

2a, 2b. SOPHOMORE COMPOSITION. I, II; 2 cr. Open to students who have passed English 1b. Miss Wales and staff.

5. JUNIOR COMPOSITION. Yr; 2 cr. Prerequisite: Consent of instructor. Miss White.

6. ADVANCED COMPOSITION. Yr; 3 cr. Prerequisite: Junior standing. Mr. Dodge.

7. NARRATIVE COMPOSITION. Yr; 2 cr. Prerequisites: Junior standing and consent of instructor. Mr. Fulcher.

8. CRITICAL WRITING. Yr; 2 cr. Mr. Rce.

ENGLISH LANGUAGE AND LITERATURE

FOR UNDERGRADUATES

25. ENGLISH WORDS. II; 3 cr. Sophomore standing. Mr. Han'ey.

30. SURVEY OF ENGLISH LITERATURE. Yr; 3 cr. This course, the material in which is arranged in historical sequence, is designed for students who have a special interest in the study of literature, and is recommended to sophomores who contemplate making English their major subject. Either this course or course 33 must be taken as a prerequisite for all advanced courses in English literature. A student who has credit in course 33 may not elect course 30. (First semester's work repeated in second semester.) Mr. Pyre and staff.

31. CHAUCER. I; 3 cr. Mr. Beatty.

33. INTRODUCTION TO ENGLISH LITERATURE. Yr; 2 cr. This course, the material in which is not taken up in historical order, is primarily a course in the appreciation of literature. It is provided especially for sophomores who are candidates for the general B. A. degree. The requirement in English literature for this degree may be met, however, either by 4 credits in this course or by 6 credits in course 30. Either course 30 or course 33 must be

taken as a prerequisite for all advanced courses in English literature. A student who has credit in course 30 may not elect course 33. (First semester's work repeated in second semester.) Mr. Beatty and staff.

34. The Romantic Movement. I; 3 cr. Mr. Foster, Miss White.

35. The Victorian Era. II; 3 cr. A continuation of 34. Mr. Foster, Miss White.

37. Shakespearean Drama. Yr; 3 cr. Open to juniors. Mr. Beatty.

39. The Novel. Yr; 3 cr. Offered 1927-28 and in alternate years. Mr. Fulcher.

40. American Literature. Yr; 2 cr. This course should be preceded or accompanied by English 30. Mr. Cairns.

48. The Literary Aspects of the English Bible. I; 3 cr. Mr. Lathrop.

54. Carlyle and Ruskin. I; 3 cr. Mr. Roe.

55. Emerson and Arnold. II; 3 cr. Mr. Roe.

67. Contemporary Drama (Comp. Lit. 67). Yr; 2 cr. Does not count toward the major in English. Offered 1927-28 and in alternate years. Mr. Pyre.

68. Contemporary Novel (Comp. Lit. 68). Yr; 2 cr. Does not count toward the major in English. Offered 1926-27 and in alternate years. Mr. Fulcher.

FOR UNDERGRADUATES AND GRADUATES

118. Pre-Shakespearean Drama. Yr; 3 cr. Offered for the first time in 1928-29. Mr. Clark.

120. Anglo-Saxon. I; 3 cr. Mr. Hanley.

121. Middle English. II; 3 cr. A continuation of course 120. Mr. Hanley.

122. Beowulf. II; 3 cr. Mr. W. E. Leonard.

123. History of the English Language. I, II; 3 cr. Mr. Hanley.

129. Swift. I; 3 cr. Mr. Quintana.

136. Elizabethan Drama Including Shakespeare. Yr; 3 cr. Mr. Pyre.

137. Shakespeare. Yr; 3 cr. Mr. Lathrop.

138. English Prose Style. Yr; 2 cr. Offered 1926-27 and in alternate years. Mr. Taylor.

141. Tennyson. I; 2 cr. Mr. Beatty.

142. Verification. II; 2 cr. Offered 1927-28 and in alternate years. Mr. Pyre.

143. Familiar Essay. I; 2 cr. Offered 1927-28 and in alternate years. Mr. Taylor.

144. Wordsworth. II; 3 cr. Mr. Beatty.

145. Browning. II; 2 cr. Mr. Foster.

147. English Essayists. II; 2 cr. Offered 1927-28 and in alternate years. Mr. Taylor.

149. The American Short Story. I; 2 cr. Mr. Cairns.

150. The American Novel. II; 2 cr. Mr. Cairns.

156. The Early Seventeenth Century. I; 3 cr. Miss Wallerstein.

157. Milton. II; 2 cr. Mr. Dodge.

158. The Age of Dryden. II; 3 cr. Offered 1927-28 and in alternate years. Mr. Lathrop.

159. The Age of Pope. II; 3 cr. Offered 1926-27 and in alternate years. Mr. Lathrop, Miss Wallerstein.

160. The Sixteenth Century. I; 3 cr. Mr. Dodge.

162. Samuel Johnson and His Circle. I; 2 cr. Mr. Foster.

165. Literary Criticism (Comp. Lit. 165). Yr; 3 cr. Mr. Buck.

169. American Poetry of the Nineteenth Century. Yr; 2 cr. Mr. Cairns.

185. Introduction to Phonetics I: 3 cr. Mr. Hanley.

186. Advanced Phonetics. II; 3 cr. Offered 1927-28 and in alternate years. Mr. Hanley.

340. The Teaching of English. I, II; 3 cr. Senior standing and satisfactory grade in a qualifying examination covering the elements of grammar, the detection and correction of deviations from standard English, and the works of English literature commonly studied in high schools. This examination is given in the second semester of the junior year. Mr. S. A. Leonard.

341. Problems in the Teaching of Composition. II; 2 cr. (Gives graduate credit.) Mr. S. A. Leonard.

FOR GRADUATES

201. Research in English. II; 2 cr. Mr. Beatty.

227. Seminary History of the English Language. Yr; 2 cr. Mr. W. E. Leonard.

232. Introductory Seminary, Chaucer. Yr; 2 cr. Mr. W. E. Leonard.

233. Introductory Seminary, Johnson. Yr; 2 cr. Mr. Pyre.

240. Introductory Seminary, Problems in Anglo-American Literary Relations, 1783-1833. Yr; 2 cr. Mr. Cairns.

244. Seminary, Spenser and the Early Spenserians. Yr; 2 cr. Mr. Dodge.

FRENCH

See Romance Languages, page 207

FOREST PRODUCTS

See Forest Products Laboratory, page 375.

GEOLOGY AND GEOGRAPHY

Professors Finch, Leith (Chairman), Mead, Twenhofel, Whitbeck, Winchell
Associate Professor Lobeck
Assistant Professors Emmons, Frey, Swanson, Trewartha
Instructor Loft; Curator Thwaites, Assistant Curator Barnes
Assistants Bostock, Durand, Frost, Hawley, Ockerman, Rand, Shields, Wood
Research Assistants Johnson, Woodstock
Fellow Tillman; Scholars Baker, Lund; Honorary Scholars Hansell, Ledeboer, Rudolph, Wright

GEOLOGY

For the major a minimum of 30 credits, including a thesis, is required. For students wishing a survey of the field for general educational purposes, courses 1, 2, 6, 7, and 8 are suggested. Course 1, General Geology, is the principal introductory course. Short courses in geology and mineralogy (2, 7, and 8) are offered without prerequisites, except for elementary knowledge of chemistry, to students not intending to take further work in these subjects. Students who take these short courses will be allowed to enter advanced courses only by special arrangement. Field work is given in connection with Geology 1, 11, 112, 114, 125, and 133. For summer field courses see Geography 131 and 139.

GENERAL GEOLOGY

1. General Geology. Yr; 5 cr. Students who have not studied chemistry should consult with the instructor before electing this course. Students who have taken Geography 4 may receive but 4 credits for the work of the first semester in order to offset certain duplications of subject matter. The first semester is a study of the materials and structures of the earth, the surface of the earth, and the processes which modify materials, structure, and surface. Second semester a study of earth history through geologic time and field problems in geology or elementary paleontology. Lab. fee $1.50. Mr. Twenhofel and staff.

2. Short Course in Geology. II; 3 cr. Mr. Hawley.

9. Engineering Geology. Yr; 3 cr. A course in elementary geology for students in engineering; first semester required of juniors in civil engineering; both semesters required of students in mining engineering. Lab. fee $1.50. Mr. Mead, Mr. Hawley.

11. Mapping. II; 3 cr. Application of plane table and other instruments to geologic and topographic mapping. Lab. fee $3.00. Mr. Thwaites.

22. Elementary Paleontology. II; 3 cr. To be preceded by or taken with Geology 1 or 9 unless student has taken Zoology 1. To be offered for the first time in 1928-29. Mr. Twenhofel.

125. Field Work for Advanced Students. II; 1 cr. One week in May in alternate years is spent in geologic mapping of some selected area, usually in the iron or copper districts of Lake Superior or the zinc district of Wisconsin. In the semester following course 117, a ten-day trip is taken to the Lake Superior district, offering a survey of the region. Mr. Leith, Mr. Mead.

134. Regional Geology. I; 3 cr. A study of world geology. Prerequisites: Geology 1 or 9, 114, and senior standing. Given 1927-28 and in alternate years. Mr. Twenhofel.

135. History of Geology. I; 2 cr. Prerequisites: Geology 1, 9, or Geography 4 and senior standing. Given 1927-28 and in alternate years. Mr. Twenhofel.

200. Research. Research courses with hours to be determined may be taken in economic, metamorphic, and structural geology, mineralogy, paleontology, petrography, petrogeny, physiography, and stratigraphy, the work being done under the direction of the different specialists of the staff.

253. Seminary, Current Geological Literature. Yr; 1 cr. Critical discussion of current literature in the geological sciences. Staff.

PHYSICAL GEOLOGY

53. Elementary Economic Geology. I; 3 cr. Prerequisites: Geology 1, 2, or 9, and 6 or 7. A study of the manner of occurrence, origin, and uses of the metallic ores and the non-metallic mineral products. Offered for the first time in 1928-29. Mr. Mead, Mr. Hawley.

114. Structural Geology. I; lect. 3 cr; lab. 2 cr. The laboratory work includes map interpretation. Prerequisite Geology 1. Lab. fee $3.00. Mr. Leith, Mr. Mead.

115. Metamorphic Geology. II; 5 cr. Prerequisites: Geology 1 and 6. Given 1926-27 and in alternate years. Lab. fee $3.00. Mr. Mead, Mr. Leith, Mr. Emmons.

117. Principles of Pre-Cambrian Geology. I; 2 cr. Prerequisite: Geology 114. Not given 1927-28. Mr. Leith.

123. Oil Geology. II; 2 cr. Prerequisites: Geology 1 or 9, and 114. Given 1926-27 and in alternate years. Mr. Twenhofel.

133. Sedimentation. II; 5 cr. Prerequisites: Geology 1 or 9, 6, and 114 and senior standing. Mr. Twenhofel.

148. Seminary in Tectonic Geology. II; 1 cr. A review of current theories dealing with the causes and mechanics of major earth deformations. Given 1927-28 and in alternate years. Mr. Mead.

149. Methods of Mineral Exploration. II; 2 cr. Dealing with the geological and physical field methods employed in the search for and development of mineral deposits. Given for the first time in 1928-29. Mr. Mead.

150. Economic Aspects of Geology. I; 2 cr. A general survey of the field of mineral resources from the standpoint of geographic and commercial distribution, valuation, taxation, conservation, and international relations. The international phase of the discussion covers questions of foreign exploitation, the "open door,' tariffs, and relations to war. Introductory to Geology 151. Given 1927-28 and in alternate years. Mr. Leith, Mr. Mead.

151. Geology of Mineral Deposits. II; 5 cr. Prerequisites: Chemistry 1, Geology 6 or 7, and Geology 1, 2, or 9. Metallic and non-metallic mineral deposits are studied from the standpoint of mineralogy, field occurrence, and genesis. The principal mineral deposits will be taken up topically. It is desirable, but not essential, that this course be preceded by course 150. Lab. fee $1.50. Given 1927-28 and in alternate years. Mr. Mead, Mr. Leith, Mr. Hawley.

233. Studies of Sediments. II; 2 cr. Prerequisites: Geology 133, 108. Lab. fee $2.00. Offered for the first time in 1928-29. Mr. Twenhofel, Mr. Hawley.

STRATIGRAPHY AND PALEONTOLOGY

112. Historical Geology and Stratigraphy. II; 5 cr. Prerequisites: Geology 1 and 121. Given 1926-27 and in alternate years. Mr. Twenhofel.

121. Paleontology. I; 5 cr. Prerequisite: Geology 112. Given 1926-27 and in alternate years. Lab. fee $1.00. Mr. Twenhofel.

MINERALOGY AND PETROLOGY

6. General Mineralogy. Yr; 5 cr. Prerequisite: Chemistry 1 or a high-school course in chemistry. Lab. fee $6.00 per semester. Mr. Winchell, Mr. Emmons.

7. Short Course in Mineralogy. II; 2 cr. Prerequisite: Chemistry 1 or a high-school course in chemistry. Lab. fee $6.00. Mr. Emmons.

8. Short Course in Lithology. I; 2 cr. The megascopic study of igneous and sedimentary rocks. Prerequisite: Chemistry 1 or a high-school course in chemistry. Lab. fee $2.00. Mr. Emmons.

108. Petrology. Yr; 5 cr. Prerequisite: Geology 6 or 7. Lab. fee $6.00 per semester. Mr. Winchell.

119. Petrology of Lake Superior Rocks. Yr; 3 cr. Prerequisite: Geology 108. Given 1926-27 and in alternate years. Lab. fee $6.00 per semester. Mr. Winchell.

120. Advanced Mineralogy. Yr; 2 to 4 cr. The relations between composition and optical properties in isomorphous groups. Prerequisite: Geology 6. Mr. Winchell.

129. Petrogeny. Yr; 2 or 3 cr. Prerequisite: Geology 108. Lab. fee $1.00 per semester. Mr. Winchell.

138. Soils Mineralogy. II; 1 cr. Prerequisite: Chemistry 1. Lab. fee $2.00. Mr. Emmons.

141. Mineragraphy. II; 2 cr. Prerequisite: Geology 6. Lab. fee $2.00. Mr. Emmons.

GLACIAL GEOLOGY

143. Glacial Geology. II; 3 cr. Prerequisite: Geology 1, 2, or 9, or Geography 4. Lab. fee $1 00. Mr. Thwaites.

PHYSIOGRAPHY

See Courses 109, 130, 137, 139, and 230 below, under heading of Geography.

GEOGRAPHY

The courses offered in this department fall into five groups; (1) general introductory courses in geography, (2) more advanced courses treating elements of the natural environment, (3) topical courses that treat industries or groups of commodities in their world relationships, (4) courses presenting the geopraphy of regions, and (5) semitechnical courses treating aspects of the teaching of geography or the presentation of geographical material.

The introductory courses in geography are 4 or 5. For a general survey of geograpry either of these courses should be followed by one or more of the regional courses, 101, 102, 103, 104, 110, and 111, and by one or more of the topical courses, 105, 106, 127, and 145. Courses 4 and 130 are the only courses in geography that satisfy the science requirements for the B.A. and Ph.B. degrees. Field work is given in connection with Geography 4.

Major: An undergraduate major in geography requires a minimum of 30 credits, including 12 credits of regional and topical courses and 4 credits of thesis. Courses 4 or 5 will normally be followed by course 140 and that by a selection of the regional and topical courses together with such special courses (109, 126, 130, 137 and 142) as the student may elect. Major students who expect to teach geography should include course 90.

4. PHYSIOGRAPHY AND WORLD GEOGRAPHY. Yr; 5 cr. Open to freshmen. Students who elect both Geology 1 and Geography 4 may receive full credit for the first semester's work in both subjects only by doing an amount of extra work equivalent to one credit in order to offset certain duplications in subject matter. Lab. fee $1.50 per semester. Mr. Whitbeck and staff.

5. PHYSICAL AND ECONOMIC GEOGRAPHY. Yr; 3 cr. An introductory course intended primarily for students expecting to enter the School of Commerce. Open to freshmen. First semester; climate, land forms, soils, natural resources, the sea and its margins. Second semester; a regional survey of the interrelations between the nature and distribution of world industries and the natural environment. 9 MWF. Mr. Finch.

44. PRINCIPLES OF GEOGRAPHY. II; 2 or 3 cr. A study of certain aspects of human progress in their relation to natural environment. Designed for students of the social sciences. Not open to freshmen nor to students who have had Geography 4 or 5. Not given 1927-28. Mr. Whitbeck.

90 (346). THE TEACHING OF HIGH-SCHOOL GEOGRAPHY. II; 2 cr. Prerequisite: Geography 4. Given 1926-27 and in alternate years. Miss Loft.

101. GEOGRAPHY OF EUROPE. I; 3 cr. Prerequisite: Sophomore standing. Mr. Lobeck.

102. GEOGRAPHY OF SOUTH AMERICA. II; 3 cr. Prerequisite: Sophomore standing. Mr. Whitbeck.

103. GEOGRAPHY OF NORTH AMERICA. I; 3 cr. Prerequisite: Sophomore standing. Mr. Finch.

104. GEOGRAPHY OF WISCONSIN. II; 2 cr. Prerequisite: Sophomore standing. Not given in 1927-28. Mr. Durand.

105. OVERSEAS COMMERCE. I; 3 cr. Prerequisite: Sophomore standing. Mr. Frey.

106. AGRICULTURAL GEOGRAPHY. II; 3 cr. Prerequisite: Geography 4 or 5. Mr. Finch.

109. ADVANCED PHYSIOGRAPHY. II; 3 cr. Prerequisite: Geol. 1 or 9 or Geography 4 or 5. Given 1926-27 and in alternate years. Mr. Lobeck.

110. GEOGRAPHY OF ASIA. II; 3 cr. Prerequisites: Geography 4 or 5, and consent of instructor. Mr. Trewartha.

111. GEOGRAPHY OF MIDDLE AMERICA. I; 2 cr. Prerequisite: Sophomore standing. Includes Mexico, Central America, and the West Indies. Mr. Whitbeck.

126. MAPS FOR GEOGRAPHIC TEACHING. II; 1 cr. Prerequisite: Geography 4 or 5 or consent of instructor. Mr. Finch.

127. INDUSTRIAL GEOGRAPHY. II; 3 cr. Prerequisite: Sophomore standing. Mr. Whitbeck.

130. Physiography of the United States. Yr. 3 or 5 cr. Prerequisite: Geology 1, 2, or 9, or Geography 4 or 5. Lab. fee $1.00 per semester. Mr. Lobeck.

131. Summer Field Course in Physiography and Geography. 3 to 6 cr. During or following the summer session. Enrollment limited to men and by previous arrangement with the instructor only. Mr. Finch.

132. Geographic Seminary. Yr; 2 cr. Prerequisite: Senior standing. Mr. Whitbeck, Mr. Finch.

135. Field Practice in Economic Geography. II; 2 cr. Geography major or consent of instructor. Mr. Finch.

137. Block Diagrams. II; 3 cr. Prerequisite: Geology 1 or 9, or Geography 4 or 5. Mr. Lobeck.

139. Rocky Mountain Physiography. 3 or 4 cr. Field course to Colorado Rockies and Yellowstone and Glacier Parks. Credit given only to those who have had suitable training in geology and physiography, such as Geology 1, 2 or 9, or Geography 4 or 5. Cost, including tuition, about $300. Mr. Lobeck.

140. The Climatic Factor in Geography. Yr; 2 cr. Prerequisite: Geography 4 or 5. Lab. fee $1.00. Mr. Trewartha.

142. Current Geographic Literature. Yr; 1 cr. Prerequisite: Geography 4 or 5. Mr. Lobeck.

145. The Geography of Foreign Markets. II; 3 cr. Prerequisite: Sophomore standing. Mr. Frey.

200. Research. Research work, with hours and credits to be arranged, may be done by graduate students under the direction of individual members of the staff. Such work may be done in regional or topical geography or in aspects of the natural environment.

230. Advanced Physiography of the United States. II; 3 cr. Prerequisite: Graduate standing and fundamental courses in geology. Given 1927-28 and in alternate years. Mr. Lobeck.

GERMAN

Professors Griebsch, Hohlfeld (Chairman), B. Q. Morgan (Secretary), Voss
Associate Professors Bruns, Roedder
Assistant Professor Sterling (Emeritus)
Instructors Krafft, Lewis, Lyte, E. A. Morgan, Neuse, Nicolai, Olli, Polt, Quadt, M. Schreiber, Staley
Assistants Doering, Dummer, Jenson, Kelley, Landwehr, Pilger (I), Reitz, Schlueter, Schneck, T. Schreiber, Wenninger
Fellows Fitzsimons, Hinz (Markham Traveling), Rosenberg, Schirmer; Scholars Francke, Lanzer (Gund), Pilger (II)

MAJOR: 24 credits beyond 1b, including 4 credits in courses of the 100 group and a thesis or a course substitute for the thesis.

For teaching major and minor, see under heading School of Education, page 92.

The Elementary Courses represent the work normally done in the first and second years, and are graded to meet the needs of high school graduates with different degrees of preparation. Freshman with four years of high-school German are not allowed to enter any of these elementary courses. They are eligible to the advanced practice courses and the literary courses in Group A, and can thus elect two, three, or four-hour programs in German. Students who possess a thorough, practical knowledge of German, considerably in advance of what their high school work indicates, should present themselves for an informal examination with a view to being assigned to more advanced classes. Credit for the omitted lower work will however, be granted only in exceptional cases, regulated by special rules of the Faculty, and never without a formal examination.

The Advanced Practice Courses are intended for specific practical ends, definitely stated in each case. None of these courses is required of students wishing to study German chiefly for its literature.

The Literary Courses are of very different degrees of advancement, those over 200 not being open to undergraduate students. The less advanced courses are divided into two groups designated A and B. Ordinarily students may not enter group B unless they have taken at least one course in group A, or its equivalent. Generally, about eight credits in these two groups combined are prerequisite for the more advanced courses in literature or philology. Students intending to specialize in German literature are advised to do related work in English literature, in medieval and modern history, and in philosophy. They should also pursue, to a fair degree of advancement, the study of at least one other foreign language and literature, ancient or modern. Their attention is also called to the courses mentioned under Comparative Literature.

While the Philology Courses are intended for graduate students working for a higher degree in German, some of them are well suited to the needs of advanced undergraduates. This is especially true of courses 150 and 151, which are so conducted as to be of direct benefit to properly qualified seniors.

DER DEUTSCHE VEREIN. Students and instructors who are interested in the study of the German language and literature and in German life and culture compose the German Club, which meets in general twice a month while the University is in session. The programs comprise lectures, recitations, dramatic and musical performances, and social entertainments.

DAS DEUTSCHE HAUS. The German House, which is maintained for the benefit of students of German, is open to women students for room and board, and both men and women residing outside the house may take their meals there. The house is in charge of a regular member of the German Department, and German is spoken at meals and is in general the language of the house. For further information, apply to Miss A. B. Ernst, 508 N. Frances Street, Madison.

ELEMENTARY COURSES

MR. B. Q. MORGAN, in general charge of these courses

FOR UNDERGRADUATES

1a. FIRST-SEMESTER GERMAN. I, II; 4 cr.

1b. SECOND-SEMESTER GERMAN. I, II; 4 cr. Prerequisite: German 1a, or one year of high-school German.

2a. THIRD-SEMESTER GERMAN. I, II; 4 cr. Prerequisite: German 1b, or two years of high-school German.

2b. FOURTH-SEMESTER GERMAN. I, II; 4 cr. Prerequisite: German 2a, or three years of high-school German. Students completing German 2b in the first semester should elect German 3 in the second semester.

FOR GRADUATES

9. BEGINNERS' GERMAN. Yr; two hours a week; no credit. Leads up to German 16. Mr. Morgan, Mr. Lyte.

ADVANCED PRACTICE COURSES

FOR UNDERGRADUATES

10. COMPOSITION AND CONVERSATION. Yr; 2 cr. Prerequisite: Four credits in advance of German 2b. Mr. Bruns.

19. SCIENTIFIC GERMAN. Yr; 2 cr. For students specializing in science. Prerequisite: German 2b. Mr. Lyte.

40. ELEMENTARY CONVERSATION. Yr; 1 cr. (2 hours). Prerequisite: German 2b. Mr. Voss, Mr. Roedder.

41. INTERMEDIATE CONVERSATION. Yr; 1 cr. (2 hours). Prerequisite: Four credits in advance of German 2b, or sufficient ability in speaking German. Mr. Neuse.

90 (347). THE TEACHING OF GERMAN. I; 2 cr. Methods. For seniors and graduates. Mr. Griebsch.

FOR UNDERGRADUATES AND GRADUATES

112. ADVANCED PRACTICE IN SPEAKING AND WRITING GERMAN. II; 2 cr. Mr. Griebsch.

FOR GRADUATES

16. PROSE READING. Yr; two hours a week; no credit. Practice course. Mr. Lyte, Mr. Lewis.

SUPPLEMENTARY COURSES

These courses do not count toward the German major, nor toward the language requirement.

75. GERMAN CLASSICS IN ENGLISH TRANSLATION (Comp. Lit. 75). Yr. 2 cr. A study of selected masterpieces of German literature, conducted entirely in English. Not open to freshmen. Mr. Hohlfeld.

111. GERMANY AND HER INSTITUTIONS. Yr; 2 cr. Lectures and collateral reading (in German for graduate credit). Especially recommended to prospective teachers. Mr. Griebsch.

141. PRINCIPLES AND PRACTICE OF TRANSLATION (Comp. Lit. 141). II; 1-2 cr. For students with advanced training in French, German, Italian, or Spanish. Given 1927-28 and in alternate years. Mr. Morgan.

GERMAN LITERATURE

FOR UNDERGRADUATES

GROUP A

These courses are intended primarily for students who have had German 2b, or its equivalent. Students having more than four credits in advance of German 2b will be required to do additional work to receive full credit, and not more than two courses in this group may regularly be taken for credit.

To make suitable four or five-hour combinations, 15, 18, and 20 may be combined with 40 or 41.

3. SELECTED MASTERPIECES. II; 4 cr. Prerequisite: German 2b or four years of high-school German. Mr. Lyte.

15. CLASSICAL AND MODERN WRITERS. Yr; 3 cr. Not open to students who have had German 3. Miss Schreiber.

18. MODERN GERMAN NOVEL. Yr; 2 cr. A rapid reading course. Offered 1927-28 and in alternate years. Miss Nicolai, Mr. Neuse.

20. SCHILLER. Yr; 2 cr. Mr. Roedder, Mr. Morgan, Miss Nicolai.

GROUP B

These courses are open to students who have had at least four credits in advance of German 2b. Not more than 12 credits may be taken in this group for full credit.

21. GERMAN POETRY. II; 2 cr. Offered 1926-27 and in alternate years. Mr. Bruns.

22. HEBBEL. I; 2 cr. Offered 1926-27 and in alternate years. Mr. Bruns.

23. GOETHE. I; 2 cr. Offered 1926-27 and in alternate years. Mr. Voss.

24. LESSING. Yr; 2 cr. Offered 1927-28 and in alternate years. Mr. Voss.

27. Modern German Drama. Yr; 2 cr. Offered 1927-28 and in alternate years. Mr. Bruns.

FOR UNDERGRADUATES AND GRADUATES

130. Goethe's Faust. Yr; 2 or 3 cr. Not offered 1927-28. Mr. Hohlfeld.

131. Survey of German Literature. Yr; 2 or 3 cr. Mr. Hohlfeld.

134. Lyric Poetry of the Nineteenth Century. Yr; 2 cr. Offered 1927-28 and in alternate years.

136. Popular German Literature. I; 2 cr. Not offered 1927-28. Mr. Roedder.

137. Schiller. I; 2 cr. Not offered 1927-28. Mr. Roedder.

149. The Romantic Movement in Germany. Yr; 2 cr. Offered 1926-27 and in alternate years. Mr. Bruns.

FOR GRADUATES

246. Bibliography and Methods. Yr; once a week; no cr. Required of members of the pro-seminary or seminary. Mr. Hohlfeld.

247. Pro-Seminary in German Literature. Yr; 2 cr. Mr. Morgan.

248. Seminary in German Literature. Yr; 2 cr. Mr. Hohlfeld.

GERMAN PHILOLOGY

FOR UNDERGRADUATES AND GRADUATES

150. History of the German Language. II; 2 cr. Mr. Voss.

151. Elementary Middle High German. I; 2 cr. Mr. Voss.

152. Advanced Middle High German. Yr; 2 cr. Not offered 1927-28. Mr. Voss.

154. Gothic. II; 2 cr. Mr. Roedder.

155. Old High German. I; 2 cr. Mr. Voss.

159. Germanic Mythology and Heroic Legends (Comp. Lit. 159). II; 2 cr. Not offered 1927-28. Mr. Roedder.

191 (348). Phonetics. II; 2 cr. With special reference to the teaching of German. Conducted in English. Mr. Morgan.

FOR GRADUATES

264. Modern and Middle Low German. Yr; 1 cr. Not offered 1927-28. Mr. Voss.

269. PHILOLOGICAL PRO-SEMINARY. II; 2 cr. Not offered 1927-28. Mr. Roedder.

270. PHILOLOGICAL SEMINARY. Yr; 2 cr. Mr. Voss.

GREEK

See Classics, page 137.

HISTORY

PROFESSORS BYRNE, FISH, HIGBY, KNAPLUND, PAXSON (Chairman), SELLERY, STEPHENSON, VASILIEV

ASSOCIATE PROFESSOR SAUNDERS; LECTURER EDSALL

ASSISTANT PROFESSORS C. NETTELS, PHILLIPS, SELLERS

ASSISTANTS BAUMGARTEN, BEARD, BURTON, COSTIGAN, COTTON, EASUM, ERICKSON, EVANS, GANFIELD, GANOE, GREER, HICKMAN, HILTON, KRUEGER, LAUB, MCCLENDON, MOCK, OTIS, PATRICK, PHELAN, ROBBINS, SHARP, SILVEUS, STALEY, STORY, VALENTINE, WARREN

RESEARCH ASSISTANT E. P. NETTELS

FELLOWS BARNES, REYNOLDS (Adams), SCHNEIDER, THOMPSON (Draper)

SCHOLARS BRADSHAW, CORLEY, HICKMAN, SWANTNER (Edwards)

HONORARY SCHOLARS RANDALL, RODY, SHOEMAKER

When history is offered as one of the required studies in the general course leading to the degree of Bachelor of Arts (see page 63), the resuirement must be satisfied by a continuous three-credit course extending through two semesters.

The courses in history are divided into three groups: (a) Courses numbered under 100 carry only undergraduate credit. The introductory courses 1, 5, and 10 are the courses open to freshmen. Students may take only one of these courses for three credits a semester, since each contains introductory training for which credit ought not to be given twice; that is, if they have had or are taking one of these courses for full credit, another may be taken from this group for two credits a semester only, omitting the supplementary reading and a topical report. Students not registered in the College of Letters and Science may take any of the introductory courses for two credits each semester. Course 90 is primarily for students who expect to teach history in a secondary school. Students are advised not to elect advanced work in an attempt to cover all of the introductory courses. (b) Courses numbered in the 100 series continue in the direction of greater specialization the work begun in the introductory courses; they may be elected by students who have the necessary preparation. (c) Courses numbered over 200 are open only to graduate students.

MAJOR: Not less than 32 nor more than 40 credits in history; to include 6 credits in one of the freshman courses (History 1, 5, or 10); 6 credits in History 4; and at least 16 credits in advanced courses, of which, for upper-group students (see Page 61), 4 shall be devoted to a thesis. In addition, Economics 1a (4 credits) and Political Science 7a (3 credits) are required, and Geography 4 is recommended.

Teaching Major and Minor. See School of Education, page 93.

INTRODUCTORY COURSES OPEN TO FRESHMEN

1. Medieval History. Yr; 3 or 2 credits. Humanities students who elect this course must take it for 4 credits. Mr. Byrne and staff.

5a. English History (first semester). I, II; 3 or 2 cr. Mr. Knaplund, Mr. Nettels, Mr. Saunders, Mr. Stephenson, and staff.

5b. English History (second semester). I, II; 3 or 2 cr. Students who have had both semesters of History 1 may enter this course. Mr. Knaplund, Mr. Sellers, Mr. Stephenson, and staff.

10. Ancient History. Yr; 3 or 2 cr. Mr. Vasiliev and staff.

INTRODUCTORY COURSES NOT OPEN TO FRESHMEN

2. Modern European History. Yr; 3 or 2 cr. Prerequisite: Sophomore standing or consent of instructor. Mr. Higby.

4. History of the United States. Yr; 3 cr. Seniors may elect for two or three credits. Prerequisite: Sophomore standing. Mr. Fish, Mr. Sellers, and staff.

FOR UNDERGRADUATES AND GRADUATES

90 (349). The Teaching of History and the Social Studies. I, II; 3 cr. Required of seniors of the teachers' major or minor. Combined with educational practice. Prerequisite: Senior standing or consent of instructor. Mr. Phillips.

180. Special Work. Study suited to individual upperclass students may be arranged by members of the staff, which, when properly carried out and checked, may be granted credit on the basis of one credit for each full week devoted to such work alone.

190 (350). Special Problems in the Teaching and Supervision of History and the Social Studies. Yr; 2 cr. Open to teachers and critic teachers and advanced students who have had History 90. Mr. Phillips.

ANCIENT AND MEDIEVAL HISTORY

127. Hellenistic Civilization. 1; 2 cr. Prerequisite: Junior standing or consent of instructor. Mr. Vasiliev.

129. The Fall of Byzantium. II; 2 cr. Prerequisite: Junior standing or consent of instructor. Mr. Vasiliev.

131. Medieval Civilization. I; 2 cr. Prerequisite: History 1 or 5 and junior standing. Mr. Sellery.

133. Medieval Commerce. II; 2 cr. Prerequisite: History 1, 5, or 10. Not offered 1927-28. Mr. Byrne.

134. The Renaissance. II; 3 cr. Prerequisite: History 1, 2, or 5, and junior standing. Mr. Sellery.

135. History of the Later Roman Empire. Yr; 2 cr. Offered 1926-27 and in alternate years. Prerequisite: Junior standing or consent of instructor. Mr. Vasiliev.

141. English Constitutional History. Yr; 3 cr. Prerequisite: History 1, 5, or 10. Mr. Byrne.

MODERN HISTORY

136. History of France, 1000-1918. Yr; 2 cr. Prerequisite: Sophomore standing. Mr. Stephenson.

138. The French Revolution and Napoleon. Yr; 3 cr. Prerequisite: Junior standing or consent of instructor. Mr. Stephenson.

139. Europe Since 1815. Yr; 3 cr. Prerequisite: Junior standing. Mr. Higby.

140. The Reformation. I; 3 cr. Prerequisite: History 1, 2, or 5, and junior standing. Offered 1926-27 and in alternate years. Mr. Sellery.

142. England Under the Tudors and Stuarts. Yr; 2 cr. Not offered 1927-28. Prerequisite: Junior standing or consent of instructor. Mr. Knaplund.

143. The British Empire Since 1815. Yr; 3 cr. Prerequisite: Junior standing or consent of instructor. Mr. Knaplund.

146. History of the German People. Yr; 2 cr. Prerequisite: Sophomore standing. Offered for the first time in 1928-29. Mr. Dorn.

147. Modern Britian, 1815-1925. Yr; 3 cr. Prerequisite: Junior standing or consent of instructor. Not offered 1927-28. Mr. Knaplund.

148. Modern Oriental Europe. Yr; 2 cr. Prerequisite: History 1, 2, 5, or consent of instructor. Not offered 1927-28. Mr. Vasiliev.

167. Pro-Seminary in European Civilization, 1600-1789. Yr; 2 cr. Prerequisite: Senior standing. Not offered in 1927-28. Mr. Stephenson.

177. European History, 1660-1713. I; 3 cr. Prerequisite: Junior standing or consent of instructor. Mr. Saunders.

AMERICAN HISTORY

111. History of the West, 1763-1893. Yr; 3 cr. Prerequisite: Junior standing. Mr. Paxson.

112. Representative Americans. II; 3 cr. Prerequisite: History 4 and junior standing. Not offered in 1927-28. Mr. Fish.

116. American Colonial History, 1583-1783. Yr; 3 cr. Prerequisite: An elementary course or junior standing. Not offered second semester 1927-28. Mr. Nettels.

117. American Constitutional History. Yr; 3 cr. Prerequisite: An elementary course or junior standing. Mr. Sellers.

118. Civil War and Reconstruction. I; 3 cr. Prerequisite: History 4 or junior standing. Not offered in 1927-28. Mr. Fish.

119. Spain in America, 1492-1830. I; 3 cr. Prerequisite: An elementary course or junior standing. Miss Edsall.

120. American Foreign Policy, 1783-1919. II; 3 cr. Prerequisite: History 4a or junior standing. Mr. Fish.

121. American Political Parties, 1775-1920. Yr; 3 cr. Prerequisite: Junior standing. Offered for the first time in 1928-29. Mr. Cole.

124. Recent History of the United States, 1873-1925. Yr; 3 cr. Prerequisite: Junior standing. Mr. Paxson.

FOR GRADUATES

252. Historical Method. Yr; 1 cr. Graduate students in their first year are expected to take this course. Mr. Stephenson et al.

253. Latin Paleography. II; 1 cr. Elements of paleography, with practical exercises in reading of manuscripts. Mr. Byrne.

254. Seminary in Ancient History. Yr; 2 cr. A reading knowledge of Greek and Latin is required. Mr. Vasiliev.

257. Seminary in Medieval History. Yr; 2 cr. A reading knowledge of Latin, French, and German is required. Mr. Byrne.

258. Seminary in History of the British Empire. Yr; 2 cr. Mr. Knaplund.

260. Seminary in American History. Yr; 2 cr. Offered for the first time in 1928-29. Mr. Cole.

261. Seminary in American History. Yr; 2 cr. Not offered first semester 1927-28. Mr. Fish.

262. Seminary in American History. Yr; 2 cr. Mr. Paxson.

263. Seminary in Colonial History. Yr; 2 cr. Not offered second semester 1927-28. Mr. Nettels.

267. Seminary in Modern European History. Yr; 2 cr. Mr. Higby.

280. Special Work. Research problems suited to individual graduate students may be arranged by members of the staff, which, when properly carried out and checked, may be granted credit on the basis of one credit for each full week devoted to such work done.

INDUSTRIAL EDUCATION AND APPLIED ARTS

PROFESSOR EDGERTON (Chairman)
ASSOCIATE PROFESSORS ORTH, VARNUM
ASSISTANT PROFESSORS DORRANS, FRIESE, HICKINSON (Acting), STEBBINS, WILSON
LECTURER GRAHAM
INSTRUCTORS BALDWIN, WANN, WILLIAMS
COORDINATORS BROWN, FOSTER, HIELD, TUSTISON

Starred (*) courses may be counted for credit only toward the degree of Bachelor of Science, Industrial Education, or Bachelor of Science, Applied Arts. See School of Education, pages 98-102.

INDUSTRIAL EDUCATION

INDUSTRIAL ARTS, VOCATIONAL EDUCATION, AND VOCATIONAL GUIDANCE

FOR UNDERGRADUATES

1. ELEMENTS OF MECHANICAL DRAWING. I, II; 3 cr. Mr. Orth and staff.

2. ELEMENTS OF MECHANICAL DRAWING. I, II; 3 cr. Prerequisite: Industrial Education 1. Mr. Orth and staff.

3. DESCRIPTIVE GEOMETRY. I, II; 3 cr. Prerequisite: Industrial Education 2. Mr. Millar and staff.

*4. ELEMENTARY SHOP PROBLEMS. Yr; 3 cr. Elementary construction problems in carpentry, furniture making, sheet metal, electrical wiring, radio construction, machine shop, etc. Lab. fee $1.50; deposit $4.50. Mr. Friese.

8. CHART DRAWING. I; 1 cr. Prerequisite: Industrial Education 1 and 2. Not given 1927-28. Mr. Baldwin.

*11. ADVANCED SHOP PROBLEMS. Yr; 1-4 cr. Prerequisite: Industrial Education 4. Advanced construction problems in carpentry, pattern making and foundry, electrical construction, sheet metal, machine shop, forge and bench work, automobile mechanics, etc. Lab. fee $3.00 a credit. Mr. Dorrans and staff.

90 (363). TEACHING AND SUPERVISION OF INDUSTRIAL ARTS. I; 2-4 credits. Prerequisite: Junior standing. Mr. Friese.

91. DIRECTION OF ART AND INDUSTRIAL VOCATIONS. I; 2-4 credits. Prerequisite: Junior standing. Mr. Hield.

100. SENIOR THESIS IN INDUSTRIAL ARTS. Yr; 2 cr. Mr. Friese.

FOR UNDERGRADUATES AND GRADUATES

109. ADMINISTRATION OF SECONDARY SCHOOL INDUSTRIAL ARTS. I; 2 cr. Prerequisite: Junior standing. Mr. Friese.

112. Problems in Teaching and Supervision of Industrial Arts. II; 2-3 cr. Prerequisite: Industrial Education 90 or senior standing. Mr. Friese.

113. Vocational and Educational Guidance Survey. I; 2 cr. Prerequisite: Sophomore standing. Mr. Edgerton, Mr. Hield.

114. Occupational Visitation and Coordination. Yr; 2-4 cr. Prerequisite: Junior standing. Mr. Dorrans.

116. Vocational Guidance and Counseling Problems. II; 2 cr. Prerequisite: Junior standing. Mr. Edgerton.

124. Coordination. Yr; 1-4 cr. Prerequisite: Junior standing. Mr. Hield.

150. Vocational Guidance and Placement Problems. I; 2 cr. Prerequisite: Junior standing. Not given 1927-28.

152. Vocational Education and Research Survey. I; 2 cr. Prerequisite: Junior standing. Not given 1927-28. Mr. Edgerton, Mr. Wyatt.

153. Direction and Supervision of Vocational Education. II; Prerequisite: Junior standing. Not given 1927-28. Mr. Edgerton.

154. Job and Occupational Analysis. I; 2 cr. Prerequisite: Junior standiing. Not given 1927-28. Mr. Edgerton.

155. Employe and Leadership Training. II; 2 cr. Prerequisite: Sophomore standing. Mr. Edgerton.

156. The Part-Time School and Its Problems. I; 2 cr. Given 1927-28 as Course 129. Mr. Graham.

157. Advanced Problems in Part-Time School Education. I; 2 cr. Prerequisite: Junior Standing. Mr. Graham.

216. Research in Vocational and Educational Guidance. Yr; 2 cr. Prerequisite: Graduate standing or teaching experience. Mr. Edgerton.

225. Seminary in Industrial Arts. Yr; 2 cr. Prerequisite: Graduate standing or teaching experience. Not given 1927-28. Mr. Friese.

252. Seminary in Vocational Analysis and Research. Yr; 2 cr. Prerequisite: Graduate standing or teaching experience. Mr. Edgerton.

APPLIED ARTS

Drawing, Painting, Design, Art-Crafts, and Art in Industry

FOR UNDERGRADUATES

1. Elements of Mechanical Drawing; Construction and Instrumental Drawing. I, II; 3 cr. Mr. Baldwin.

★7a. Advanced Lettering. I, II; 2 cr. Prerequisite: Applied Arts 1. Mr. Baldwin.

★7b. ADVANCED LETTERING. I, II; 2 cr. Prerequisite: Applied Arts 7a. Mr. Baldwin.

★18. ARCHITECTURAL DRAFTING AND INTERPRETATION. II; 3 cr. Prerequisites: Applied Arts 1. Lab. fee $.75; deposit $1.25. Mr. Friese.

50. FREEHAND DRAWING AND PERSPECTIVE. I; 3 cr. Open to freshmen. Lab. fee $.75, deposit $2.00. Miss Williams, Mrs. Foster.

51. FREEHAND DRAWING AND ANATOMY. II; 3 cr. Prerequisite: Applied Arts 50. Lab. fee $.75; deposit $3.25. Miss Williams.

52. ELEMENTARY WATERCOLOR RENDERING. II; 2 cr. Prerequisite: Applied Arts 50 or equivalent. Lab. fee $.75; deposit $2.00. Miss Wann.

54. CLAY MODELLING. Yr; 1-3 cr. Lab. fee $1.50; deposit $4.50. Miss Wilson, Mr. Hickinson.

55. ADVANCED DRAWING. Yr; 2 or 3 cr. Prerequisite: Applied Arts 51 or consent of instructor. Lab. fee $.75, deposit $3.25. Mr. Hickinson, Mrs. Foster.

56. ELEMENTARY OIL PAINTING. Yr; 3 cr. Prerequisite: Applied Arts 51. Lab. fee $.75, deposit $2.25. Mr. Stebbins.

★57. MECHANICAL PERSPECTIVE AND ARCHITECTURAL RENDERING. II; 3 cr. Prerequisites: Applied Arts 1, 18, and 50. Lab. fee $.75; deposit $1.25. Miss Wilson.

60. BLOCK PRINTING AND ETCHING. I; 2 cr. Prerequisites: Applied Arts 51 and 62. Open to students registered or with credit in Art History 101 or 102. Lab. fee $.50; deposit $3.50. Mr. Varnum.

62. ELEMENTARY DESIGN. Yr; 3 cr. Prerequisites: Applied Arts 1 and 50. Lab. fee $.75; deposit $.50. Miss Wann.

63. ART IN INDUSTRY (Commercial Art). Yr; 3-4 cr. Prerequisites: Applied Arts 1, 50, 56, and 62. Lab. fee $.75; deposit $1.50. Mr. Varnum.

70. ART METAL. Yr; 3 cr. Copper, silver, gold, Britannia. Prerequisite: Applied Arts 62. Lab. fee $1.00; deposit $6.00. Mr. Varnum, Mrs. Foster.

71. ELEMENTARY POTTERY. Yr; 1-3 cr. Prerequisite: Applied Arts 62. Lab. fee $1.50; deposit $4.50. Miss Wilson.

72. DESIGN APPLIED TO INDUSTRIAL PRODUCTS. I; 2 cr. Not given 1927-28. Mr. Friese.

★★80. PRIMARY APPLIED AND INDUSTRIAL ARTS. I; 2 cr. Prerequisite: Applied Arts 90. Lab. fee $1.50; deposit $4.50. Miss Wilson.

★★Does not count toward the requirements for graduation from the College of Letters and Science except for students majoring in Education or registered for a major or minor in Industrial Education or Applied Arts.

**81. Intermediate Applied and Industrial Arts. II; 2 cr. Prerequisite: Applied Arts 90. Lab. fee $1.50; deposit $4.50. Miss Wilson.

90 (306). Teaching and Supervision of Applied Arts. I; 3-4 cr. Prerequisite: Junior standing. Miss Wann.

91. Direction of Art and Industrial Vocations. I; 2 cr. Prerequisite: Junior standing. Mr. Hield.

100. Senior Thesis in Applied Arts. Yr; 2 cr. Mr. Varnum and staff.

111. Administration of Secondary School Art. I; 2 cr. Prerequisite: Junior standing. Not given 1927-28. Miss Wann.

115. Topical Art Problems. II; 2-3 cr. Prerequisite: Applied Arts 90 or senior standing. Miss Wann.

122. Stage Design. II; 2 cr. Application of principles of design to scenic art. Prerequisites: Applied Arts 51 and 62. Open to students registered or with credit in Speech 19 or graduate standing in Speech. Offered for the first time in 1928-29. Mr. Varnum.

124. Co-ordination in Applied Arts. Yr; 1-3 cr. Prerequisite: one semester of Applied Arts 63 and junior standing. Mr. Varnum, Mrs. Foster.

*130. Experimental Design. 1; 2 cr. Prerequisites: Applied Arts 51 and 62. Lab. fee $.50. Not given 1927-28. Mr. Varnum.

*131. Advanced Design. II; 2-4 cr. Prerequisites: Applied Arts 62 and 63. Not given 1927-28. Mr. Varnum.

132. Portrait and Decorative Painting. Yr; 2-3 cr. Prerequisite: Applied Arts 56. Lab. fee $.50; deposit $4.50. Mr. Stebbins.

134. Pro-Seminary in Applied Arts. Yr; 2 cr. Open to graduate students and seniors with adequate preparation. Mr. Varnum.

ITALIAN

See Romance Languages, page 207.

JOURNALISM

Professors Bleyer (Chairman), Hyde
Assistant Professors Bush, Olson
Instructors Patterson, Salisbury
Assistants Casey, Nafziger

Purpose and Plan. The courses in journalism are designed to give the student instruction and practice in newspaper writing and editing, in some kinds of magazine writing, and in advertising, as well as to present current problems of journalism in the light of their origin and development. They have been arranged to meet the needs of students in the School of Journalism, and those in

the College of Letters and Science, Agriculture, and Engineering who desire training in journalistic writing.

LABORATORY EQUIPMENT. The department has a large laboratory equipped like the city room of a newspaper office, with typewriters, reference books, maps, a "morgue," a copy-desk, and printer telegraph receiving the full United Press service. Adjoining this are a reading room with current files of representative American newspapers and journalistic periodicals and a lecture room. To familiarize students of journalism with the principles of typography, the department has a printing laboratory for practical work in connection with the courses in editing, advertising, and newspaper administration.

MAJOR. The undergraduate major in journalism is offered only to candidates for the degree of Bachelor of Arts in Journalism. It requires, in addition to a thesis, not less than 26 credits, as outlined under the heading, School of Journalism, on page 109. A complete description of the courses in journalism and advertising is given in a special bulletin, "School of Journalism 1927-29," which may be had upon application to the University Editor.

Information relative to graduate work may be found either under the heading Graduate School or in the Graduate Bulletin.

FOR UNDERGRADUATES

★1. GENERAL SURVEY OF JOURNALISM. Yr; 1 cr. Required of freshmen who intend to enter the School of Journalism and may not be credited by others. Mr. Hyde.

2. NEWSPAPER REPORTING AND CORRESPONDENCE. Yr; 3 cr. Primarily for sophomores. Mr. Hyde, Miss Patterson, Mr. Casey, Mr. Nafziger.

★3. COPY READING. Yr; 3 cr. Prerequisite: Journalism 2 or equivalent practical experience. Mr. K. E. Olson.

★7. THE COMMUNITY NEWSPAPER. I; 2 cr. Open only to juniors and seniors. Mr. Bush.

★8. NEWSPAPER ADMINISTRATION. II; 2 cr. Open only to juniors and seniors. Mr. Bush.

★15. RETAIL ADVERTISING (Economics 15). I; 2 cr. Prerequisite: Junior standing. Mr. Gardner, Mr. Fellows, Mr. Aurner.

★16. ADVERTISING CAMPAIGNS (Economics 16). II; 2 cr. Prerequisite: Economics 13 and 15. Mr. Gardner, Mr. Fellows, Mr. Aurner.

17. SPAIN AND SOUTH AMERICA OF TODAY. (Spanish 17). Yr; 2 cr. Reading and discussion of books, newspapers, and periodicals. Prerequisites: Spanish 10b and sophomore standing. Mr. Neale.

★Does not count toward the requirements for graduation from the College of Letters and Science except for students in the School of Journalism, and in other special courses as follows: ournalism 3 and 8 count also in the School of Commerce and Journalism 15 and 16 in the Commerce and Chemistry-Commerce Courses.

18. France of Today. (French 18). Yr; 2 cr. Reading and discussion of books, newspapers, and periodicals. Prerequisites: French 10b and sophomore standing. Mr. Levy.

23. Women's Departments in Newspapers and Magazines. II; 2 cr. For juniors and seniors. Miss Patterson.

50-51. Freehand Drawing and Illustration (Applied Arts 50-51). I, II; 3 cr. Miss Williams.

100. Thesis. Yr; 2 cr. For seniors. Staff.

FOR UNDERGRADUATES AND GRADUATES

104. Editorial Writing. I; 2 cr. Primarily for seniors and graduates. Mr. Bush.

105. Writing of Special Feature Articles. I; 2 cr. Prerequisite: Junior standing. Mr. Bleyer.

106. Critical Writing. II; 2 cr. Primarily for seniors and graduates. Not offered 1927-28. Mr. Bleyer.

107. Writing of Special Articles. II; 2 cr. Prerequisite: Journalism 105. Mr. Bush.

110. History of American Journalism. I; 3 cr. Open only to seniors and graduates. Mr. Bleyer.

111. Principles of Journalism. II; 3 cr. Open only to seniors and gradutaes. Mr. Hyde.

112. The Law and the Press. II; 2 cr. Open only to seniors who have done good work in Journalism 2 and 3. Mr. Bush.

190. The Teaching of Journalism. I; 2 cr. For seniors and graduates. Miss Patterson.

FOR GRADUATES

200. Seminary. I; 2 cr. Influence of the press. Mr. Hyde.

201. Seminary. Yr; 2 cr. A study of journalistic style. Mr. Bleyer, Mr. Bush.

239. Joint Seminary in Public Opinion. II; 2 cr. Given cooperatively by the Departments of Journalism, Political Science, and Sociology. Mr. Hyde, Mr. Harris, Mr. Young.

MATHEMATICS

PROFESSORS DOWLING†, INGRAHAM, LANGER, SKINNER, SLICHTER, VAN VLECK (Chairman), WEAVER.
ASSOCIATE PROFESSORS W. W. HART, MARCH.
ASSISTANT PROFESSORS BABCOCK, TAYLOR
INSTRUCTORS ALLEN, BROWN, CARMICHAEL, DANCER, GERMOND, HARTUNG, MICKELSON, SANGER, SOKOLNIKOFF, VASS
ASSISTANTS CRAIG, ERICKSON, GILMORE, HOPKINS, ROTH
FELLOWS E. J. HART, HESTENES; SCHOLARS FURMINGER, STEDMAN (Honorary)

In this department, Math. 1 to 7 are planned to give a working knowledge of elementary mathematics. Math. 7 is required of students in the School of Commerce, Math. 51 to 55 are required of students in engineering, and Math. 71 is required of students in agriculture. Students who elect the minimum amount of mathematics in fulfillment of the optional requirement for the degree of Bachelor of Arts may choose eight credits from any of the elementary courses except 71, 90, and 91.

MAJOR: 21 credits which shall consist of Math. 5, 6, 112 or 113, and other courses numbered 100 or above, with the exception of Math. 136, 137, 238. Students entering the junior class with advanced standing from other institutions and desiring to complete an undergraduate major in mathematics in four semesters should previously have completed the equivalent of Math. 5. The requirements in mathematics as a major or minor subject for the teachers' certificate are given under the School of Education on page 95.

HIGHER DEGREES: The special requirements for the degree of Master of Arts or Master of Science in mathematics are a thesis and one year of graduate courses pursued in residence with an average grade of "good," preceded by an amount of undergraduate work substantially equivalent to that required for an undergraduate major in mathematics as outlined above.

CLUBS: The Mathematical Club, for instructors and graduates, meets twice monthly; its object is to follow important recent developments in mathematics. The Junior Mathematical Club, open to all students interested in the subject, also meets twice a month.

FOR UNDERGRADUATES, COLLEGE OF LETTERS AND SCIENCE

1. ALGEBRA. I, II; 4 cr. For students presenting one unit of algebra for entrance. Prerequisite to all other courses except 2. Mr. Skinner and staff.

2. TRIGONOMETRY. I, II; 4 cr. Prerequisite to all other courses except 1, 7 and 24. Mr. Skinner and staff.

3. ANALYTIC GEOMETRY. I; 3 cr. Prerequisite: Math. 2. Recommended to students presenting one and one-half units of algebra for admission and who have taken or are taking Math. 2. Miss Allen, Mr. Hartung, Mr. Langer, Mr. Taylor.

†Deceased September 16, 1928.

4. Analytic Geometry. II; 4 cr. Prerequisite: Math. 2. Mr. Carmichael, Mr. Roth, Mr. Skinner, Mr. Taylor.

5. Calculus. Yr; 3 cr. Prerequisite: Math. 3 or 4, which can, however, be taken simultaneously with Math. 5. Begins each semester. Students who intend to specialize in mathematics or who desire calculus for application to science are advised to take Math. 5 in the sophomore year. Mr. Dowling, Mr. Langer, Mr. Skinner, Mr. Taylor, Mr. Van Vleck.

6. Determinants and Analytic Geometry of Three Dimensions. I; 3 cr. Prerequisite: Math. 3 or 4. Mr. Langer.

7. Theory of Investment. I, II; 3 cr. Prerequisite: Math. 1, or 51. Staff.

24. Theory of Life Insurance. Yr; 2 cr. Prerequisite: Math. 7 or its equivalent. Mr. Dowling, Mr. Ingraham.

90 (377). The Teaching of Mathematics. I; 3 cr. One credit is for educational practice and does not count toward the 120 credits required for graduation from the general courses. Open to seniors who are preparing to teach mathematics either as major or minor subjects. Mr. Hart.

91. (378). The Content of Secondary Mathematics. II; 2 cr. Admission to course restricted to students enrolled in the School of Education. Mr. Hart.

100. Thesis Course. Yr; 2 cr. Mr. Dowling, Mr. Ingraham, Mr. Van Vleck.

FOR UNDERGRADUATES, COLLEGE OF ENGINEERING

50. Subfreshman Algebra. I; 5 hours per week, no cr. For students who fail to pass the examination for admission to Math. 51. Mr. Babcock and staff.

51. Elementary Mathematical Analysis. I, II; 5 cr. Required of freshmen in engineering. Mr. March, Mr. Weaver, and staff.

52. Elementary Mathematical Analysis. I, II; 5 cr. A continuation of Math. 51. Required of freshman in engineering. Mr. March, Mr. Weaver, and staff.

54. Differential and Integral Calculus. I, II; 4 cr. Required of all sophomores in engineering. Mr. March, Mr. Weaver, and staff.

55. Calculus. I, II; 4 cr. Continuation of Math. 54. Required of sophomores in engineering. Mr. March, Mr. Weaver, and staff.

71. Mathematics for Agricultural Students. I; 4 cr. Mr. Babcock and staff.

FOR UNDERGRADUATES AND GRADUATES

Math. 5 or 55 is prerequisite to all courses in this group except 115, 125, 136, 137.

110. HIGHER MATHEMATICS FOR ENGINEERS. Yr; 3 cr. Elective for juniors, seniors, and graduate students. Mr. Babcock.

111. ADVANCED CALCULUS. I; 3 cr. Mr. Skinner.

112. DIFFERENTIAL EQUATIONS. I, II; 3 cr. Primarily a working course for students in mathematics and physics. Mr. Taylor, Mr. Van Vleck.

113. THEORETICAL MECHANICS. Yr; 3 cr. Mr. Slichter.

114. MODERN ANALYTIC GEOMETRY. II; 3 cr. Mr. Taylor.

115. PROJECTIVE GEOMETRY. II; 3 cr. Mr. Dowling, Miss Allen.

116. HIGHER ANALYSIS. Yr; 3 cr. Offered 1926-27 and in alternate years. Mr. March.

118. THE THEORY OF PROBABILITIES AND METHOD OF LEAST SQUARES. II; 2 cr. Mr. Weaver.

125. THEORY OF EQUATIONS. II; 3 cr. Mr. Ingraham.

136. THE MATHEMATICS OF STATISTICS. II; 3 cr. (Not given 1926-27.) Prerequisite: College algebra, elementary statistics, a knowledge of logarithms, and the consent of the instructor. Parts of calculus necessary to the theory of statistics are developed, and the theory of probability and other portions of theoretical mathematics necessary for statistical work are included. Can not be counted toward the minimum requirement for a major in mathematics. Mr. Ingraham.

137. THE MATHEMATICS OF STATISTICS. I; 4 cr. Prerequisite: Math. 136, or consent of instructor. A course in probability, interpolation, curve fitting, correlation, dispersion, and graphical calculation, including a certain amount of laboratory work. Can not be counted toward the minimum requirement for a major in mathematics. Mr. Ingraham.

FOR GRADUATES

These courses are varied from year to year according to the needs of the students, other subjects being introduced in addition to those here announced.

220. THEORY OF ANALYTIC FUNCTIONS. Yr; 3 cr. Offered 1927-28 and in alternate years. Mr. Van Vleck.

221. THEORY OF FUNCTIONS OF A REAL VARIABLE. Yr; 3 cr. Given 1926-27 and in alternate years. Mr. Van Vleck.

238. THE MATHEMATICS OF ECONOMIC STATISTICS. I; 3 cr. Not given 1927-28. Prerequisites: Math. 136 and 137, or consent of the instructor. Deals with the mathematics of problems peculiar to economic statistics such as secular trends, seasonal variations, correlation of time series, and index numbers.

243. LINEAR DIFFERENTIAL EQUATIONS. Yr; 3 cr. Mr. Langer.

244. HIGHER GEOMETRY. I; 3 cr. Mr. Dowling.

246. Finite Groups. Yr; 3 cr. Mr. Skinner.

247. Differential Geometry. Yr; 3 cr. Not offered 1927-28.

249. Theoretical Hydrodynamics. I; 3 cr. Not offered 1927-28.

250. Theory of Elasticity. Yr; 3 cr. Not offered 1927-28.

251. Theory of Potential. Yr; 2 cr. Not offered 1927-28.

257. Infinite Series and Processes. Yr; 2 cr. Not offered 1927-28.

258. Foundations of Analysis. I; 2 cr. Mr. Van Vleck.

263. Higher Algebra. Yr; 3 cr. Offered 1927-28 and in alternate years. Mr. Ingraham.

265. Harmonic Analysis. Yr; 3 cr. Offered 1927-28 and in alternate years. Mr. March.

266. Theory of Numbers. Yr; 3 cr. Mr. Skinner.

267. Calculus of Variations. Yr; 3 cr. Not offered 1927-28.

268. Partial Differential Equations. Yr; 3 cr. Not offered 1927-28.

269. Integral Equations II; 3 cr. Mr. Van Vleck.

270. The Mathematical Bases of the Theory of Relativity. I; 3 cr. Mr. Dowling.

271. Linear Algebras. Yr; 3 cr. Offered for the first time in 1928-29. Mr. Ingraham.

272. Second Course in the Theory of Functions. Yr; 3 cr. Offered for the first time in 1928-29. Mr. Van Vleck.

METEOROLOGY

Lecturer Miller

Courses 1 and 2 are intended to afford a general survey of atmospheric processes and their effects upon life on earth. Courses 103 and 106 are planned to prepare students of agriculture, commerce, engineering, journalism, medicine, physical geography, etc., for the treatment of meterological and climatological questions of importance in their professions, and to fit students for the investigation of special problems in meteorology. Further opportunity to pursue original research under supervision will be provided if desired.

1. Weather and Climate. I; 3 cr. Prerequisite: Physics 1 or entrance physics. Mr. Miller.

2. Climate and Man. II; 3 cr. Prerequisite: Meterorology 1 or Geography 4 or 5. Mr. Miller.

103. Meteorology. I; 3 cr. Prerequisite: Mathematics 111, Physics 2. Mr. Miller.

106. Climatology. II; 3 cr. Prerequisite: Economics 130 or Mathematics 137. Mr. Miller.

MUSIC

PROFESSORS BURLEIGH, GORDON, MILLS (Chairman)
ASSOCIATE PROFESSORS COON, MORPHY, SWINNEY
ASSISTANT PROFESSORS CARPENTER, EASTMAN, ILTIS
INSTRUCTORS BERGENDAHL, BORGE, CASTER, JONES, MCKITRICK, MAR
ASSISTANT BAILEY

FOR UNDERGRADUATES

1. HARMONY. Yr; 3 cr. Miss Mar.

5. FORM: STRUCTURAL ANALYSIS. I; 2 cr. Miss Mar.

6. FORM: HARMONIC ANALYSIS. II; 2 cr. Prerequisite: Music 5. Miss Mar.

11. SECOND-YEAR HARMONY. Yr; 3 cr. Prerequisite: Music 1. Miss Eastman.

21. COUNTERPOINT. Yr; 2 cr. Prerequisite: Music 11. Miss Mar.

31. HISTORY OF MUSIC. Yr; 2 cr. Not open to freshmen. Miss Mar.

36. PIANO PEDAGOGY. I; 2 cr. Prerequisites: Music 1, 5, 11, 31, 44, 75. Mr. Coon.

37. APPLIED PIANO PEDAGOGY. II; 2 cr. Continuation of 36. Mr. Coon.

44. PRINCIPLES OF MUSIC EDUCATION. I; 3 cr. Not open to freshmen. Miss Borge.

45. INTRODUCTORY METHODS IN PUBLIC SCHOOL MUSIC. II; 3 cr. Prerequisite: Music 44. Miss Borge.

51. GRADE-SCHOOL PRACTICE. Yr; 2 cr. Prerequisite: Music 45. Laboratory and conference. Miss Borge.

53. HIGH-SCHOOL PROBLEMS. I; 2 cr. Prerequisite: Music 51. Mr. Gordon.

54. HIGH-SCHOOL PARTICIPATION. I; 2 cr. Prerequisite: Music 53. Laboratory and conference. Mr. Gordon.

55. GRADE AND HIGH-SCHOOL SUPERVISION. Yr; 2 cr. Prerequisite: Music 51 and 53. Laboratory and conference. Mr. Gordon, Miss Borge.

65. APPRECIATION OF MUSIC. Yr; 1 cr. Mr. Mills.

66. CONDUCTING. II; 2 cr. Mr. Gordon.

67. COMMUNITY MUSIC, FESTIVAL, AND PAGEANT MOVEMENTS. I; 2 cr. Mr. Gordon.

70. Piano Technic. Yr; no cr. Required of first-year students in piano. Mr. Jones.

71. Solfeggio. Yr; 1 cr. Miss McKitrick.

75. Advanced Solfeggio. Yr; 1 cr. Miss Borge.

76. Orchestra. Yr; 1 cr. Prerequisite: Instrumental test. Mr. Morphy.

79. Selection and Interpretation of Music Material. II; 2 cr. Mr. Gordon.

80. Bands. No cr. Prerequisite: Instrumental test. Mr. Morphy, Mr. Bailey.

81. Pianoforte. 0 to 2 cr. Mrs. Carpenter, Mr. Coon, Mr. Iltis, Mr. Jones, Miss McKitrick.

82. The Art of Singing. 0 to 2 cr. Miss Bergendahl, Mrs. Caster, Mr. Swinney.

83. String and Orchestral Instruments. 0 to 2 cr. Mr. Burleigh, Mr. Morphy.

84. Organ. 0 to 2 cr. Prerequisite: Satisfactory piano technique and some skill in polyphonic playing. Mr. Mills, Miss Eastman, Mr. Jones.

85. Ensemble. I, II; *cr. Staff.

89. Elements of Instrumentation. Yr; 2 cr. Prerequisite: Music 1. Mr. Dalley.

90. Instrumentation. I; 2 cr. Prerequisite: Music 89. Mr. Morphy.

100. Thesis. Yr; 2 cr. Staff.

FOR UNDERGRADUATES AND GRADUATES

102. Advanced Harmony. Yr; 2 or 3 cr. Prerequisite: Music 11. Mr. Mills.

112. Advanced Counterpoint. Yr; 2 cr. Prerequisite: Music 21. Mr. Mills.

162. Composition. Yr; 2 cr. Prerequisite: Music 102. Miss Mar.

165. Survey of Music. Yr; 2 cr. Open to seniors and graduates. Mrs. Carpenter.

181. Artists Course in Applied Music. Yr; 1 or 2 cr. Prerequisite: Graduate standing in applied music. Staff.

FOR GRADUATES

211. Modern Orchestration. Yr; *cr. Prerequisite: Music 162. Miss Mar.

265. Free Composition. Yr; *cr. Prerequisite: Music 162. Mr. Mills, Mr. Burleigh.

NORSE

See Scandinavian Languages, p. 214.

PATHOLOGY AND MEDICAL BACTERIOLOGY

See Medical School

PHARMACOLOGY AND TOXICOLOGY

See Medical School

PHARMACY

PROFESSOR KREMERS (Chairman)
ASSOCIATE PROFESSOR RICHTMANN
ASSISTANT PROFESSOR WAKEMAN
INSTRUCTORS CLARK, HARWOOD
ASSISTANTS BIENFANG, MATLACK; RESEARCH ASSISTANT FOOTE
FELLOWS BRAUN (Fritzche), ZEIGLER (Hollister)
SCHOLAR SONDERN

PHARMACY

FOR UNDERGRADUATES

1. PHARMACEUTICAL TECHNIQUE. Yr; 3 cr. Lab. fee $9.00 per semester. Mr. Harwood.

20. ELEMENTARY PRESCRIPTION PRACTICE. Yr; 2 cr. Lab. fee $4.00 per semester. Mr. Clark.

22. ELEMENTARY PRESCRIPTION PRACTICE. II; 2 cr. Prerequisite: Enrollment in medical or premedical course. Lab. fee $3.00. Mr. Clark.

30. PHARMACEUTICAL TECHNOLOGY. I; 5 cr; II; 1 to 4 cr. Prerequisites: Chem. 20 and 26 or concurrent registration, Pharmacy 20. Lab. fee I, $12.00; II, $4.00 to $10.00. Mr. Clark.

40. DRUG-STORE PRACTICE. Yr; 1 cr. Given 1927-28 and in alternate years. Mr. Kremers, Mr. Harwood, and special lecturers.

50. HISTORY OF PHARMACY. Yr; 1 cr. Given 1926-27 and in alternate years. Mr. Harwood.

100. THESIS. Yr; 2 cr. Staff.

FOR UNDERGRADUATES AND GRADUATES

121. ADVANCED PRESCRIPTION PRACTICE. II; 2 cr. Prerequisites: Pharmacy 1 and 20, Chemistry 20 and 26 or concurrent registration. Lab. fee $6.00. Mr. Clark.

130. Advanced Pharmaceutical Technology. Yr; *cr. Mr. Clark.

160. Pharmaceutical Literature. Yr; 1 cr. Mr. Kremers.

FOR GRADUATES

230. Advanced Pharmaceutical Technology. Yr; *cr. Mr. Kremers.

250. Conference of Research Workers. Yr; 1 or 2 cr. Mr. Kremers.

PHARMACEUTICAL AND PLANT CHEMISTRY

FOR UNDERGRADUATES

26. Inorganic Pharmaceutical Chemistry. I; 5 cr. Prerequisites: Chemistry 1 and 11 or 15. Lab. fee $15.00. Miss Wakeman, Mr. Matlack.

27. Organic Pharmaceutical Chemistry. II; 5 cr. Prerequisite: Chemistry 20 or 120. Lab. fee $15.00. Miss Wakeman and Mr. Matlack.

40. Plant Chemistry. Yr; 3 cr. Prerequisite: Chemistry 20 or 120. Lab. fee, $12.00 per semester. Miss Wakeman and Mr. Matlack.

45. Alkaloidal Assay. II; 1 cr. Prerequisite: Chemistry 40 or concurrent registration. Lab. fee $6.00. Miss Wakeman.

100. Thesis. Yr; 2 cr. Staff.

FOR UNDERGRADUATES AND GRADUATES

127. Chemotherapy. I, II; *cr. Miss Wakeman.

FOR GRADUATES

222. Research in Organic Chemistry. Yr; *cr. Mr. Kremers.

241. Advanced Plant Chemistry. Yr; *cr. Mr. Kremers.

243. Research in Volatile Oils or Other Subjects of Plant Chemistry. Yr; *cr. Mr. Kremers.

PHARMACOGNOSY

FOR UNDERGRADUATES

10. Sources and Collection of Crude Vegetable and Animal Drugs. Yr; 1 cr. Mr. Richtman.

20. Crude Vegetable and Animal Drugs of the United States Pharmacopoeia and National Formulary. Yr; 3 cr. Prerequisites: Pharmacognosy 10, Botany 1, Chemistry 1. Mr. Richtmann.

21. Doses of Vegetable and Animal Drugs of the United States Pharmacopoeia and the National Formulary. I, II; 1 cr. Prerequisites: Pharmacognosy 10, Botany 1, Chemistry 1. Mr. Richtmann.

22. Habitats of Crude Vegetable and Animal Drugs. I, II; 1 cr. Prerequisites: Pharmacognosy 10, Botany 1, Chemistry 1. Mr. Richtmann.

100. Thesis. Yr; 2 cr. Mr. Richtmann.

FOR UNDERGRADUATES AND GRADUATES

110. Sources of Information of Crude Vegetable and Animal Drugs. I, II; *cr. Mr. Richtmann.

130. Cultivation of Medicinal Plants. Yr; *cr. Mr. Richtmann.

FOR GRADUATES

240. Research in Medicinal Plants. Yr; *cr. Mr. Richtmann.

PHILOSOPHY

Professors McGilvary (Chairman), Meiklejohn, Otto, Sharp
Assistant Professors Baumgarten, Fox
Instructors Haentzschel, Payne
Assistants Bögholt, Powell, Vivas
Fellow Chen; Scholar Babcock

The student is at liberty to begin his work in philosophy with any of the courses numbered under one hundred, but beginners who desire to take three hours of work throughout the year in the department, whether they wish to continue with the subject or not, will ordinarily find it most profitable to select courses 11 or 31 in the first semester, and either 11, 21, 32, or 41 in the second semester. None of the courses in this department is open to freshmen.

The requirement for an undergraduate major in philosophy is a minimum of 25 credits, including a thesis. At least twelve credits must be obtained in courses numbered over 100. Only students with upper-group status may select philosophy as a major, and students majoring in philosophy are required to take courses 31 and 32.

FOR UNDERGRADUATES

11. Elementary Logic. I, II; 3 cr. Prerequiiste: Sophomore standing. Mr. Otto, Mr. Haentzschel, Mr. Payne.

21. Introduction to Philosophy. I, II; 3 cr. Prerequisite: Sophomore standing and upper-group status. Mr. McGilvary.

25. The Relation of Man to Nature. II; 3 cr. Prerequisite: Junior standing. Mr. Otto and staff.

31. History of Ancient and Medieval Philosophy. I; 3 cr. Prerequisite: Sophomore standing. Mr. Baumgarten.

32. History of Modern Philosophy. II; 3 cr. Prerequisite: Philosophy 31. Mr. Baumgarten.

41. Ethics. II; 3 cr. Prerequisite: Full sophomore standing. Introductory course. Mr. Sharp.

43. Business Ethics. I, II; 2 cr. Prerequisite: Sophomore standing. Mr. Sharp, Mr. Fox.

FOR UNDERGRADUATES AND GRADUATES

122. The Philosophy of Naturalism. I; 3 cr. Prerequisite: Philosophy 21, 25, 31, or 32. Mr. Payne.

123. St. Augustine, Luther, Pascal: Their Philosophy of Life. I; 3 cr. Prerequisite: Philosophy 21, 25, 31, or 32. Mr. Baumgarten.

134. Contemporary Philosophy. Yr; 3 cr. Prerequisite: Philosophy 21, 25, 31, or 32 and upper-group status. Mr. McGilvary.

135. Descartes, Spinoza, and Leibniz. II; 3 cr. Prerequisite: Philosophy 21, 25, 31, or 32. Mr. Baumgarten.

136. Locke, Berkeley, and Hume. I; 3 cr. Prerequisite: Philosophy 21, 25, 31, or 32. Mr. Baumgarten.

137. The Philosophy of Kant. II; 3 cr. Prerequisite: Philosophy 21, 25, 31, or 32. Mr. Baumgarten.

139. American Philosophers. I; 3 cr. With special reference to Royce, Santayana, and James. Prerequisite: 21, 25, 31, or 32. Mr. Otto.

FOR GRADUATES

213. Logical Seminary. Yr; 2 cr. Mr. Otto.

240. Metaphysical Seminary. Yr; 2 cr. Mr. McGilvary.

247. Ethical Seminary. Yr; 2 cr. Mr. Sharp.

PHYSICAL EDUCATION

The four-year curricula in physical education leading to the degree of Bachelor of Science, Physical Education, are described under the heading School of Education, page 104. Starred courses (★) do not count toward the requirements for graduation from the College of Letters and Science except for students in one of the four-year curricula in physical education.

MEN'S DEPARTMENT

PROFESSORS T. E. JONES, LITTLE (Director), LOWMAN, MEANWELL, THISTLETHWAITE.

ASSOCIATE PROFESSORS LEVIS, VAIL.†

ASSISTANT PROFESSORS ALLISON, BERG, GAGE, LIEB, MASLEY, NOHR, STEINAUER, SUNDT, UTERITZ

INSTRUCTORS BARNUM, EVANS, FARQUHAR, HITCHCOCK, HOLMES, LEITZ, NICKERSON

ASSISTANTS HICKS, HULL, TECKMEYER

3. PHYSIOLOGY (Physiology 3). II; 4 cr. Lab. fee $3.00. Mr. Meek and staff.

★6. THEORY AND PRACTICE. I; 3 cr. History and principles of physical education; football and basketball with special methods; and introductory physical training. Staff.

★7. THEORY AND PRACTICE. II; 3 cr. Tactics, calesthenics, and elementary apparatus; track and field with special methods; baseball and swimming with special methods. Staff.

★8. THEORY AND PRACTICE. I; 3 cr. Graded games, calisthenics, and nomenclature; theory and practice of basketball; minor sports. Staff.

★9. THEORY AND PRACTICE. II; 3 cr. Calisthenics, apparatus, with methods of progression; theory of football; theory and practice of track and baseball. Staff.

★10. THEORY AND PRACTICE. I; 3 cr. Physical education school programs; football practice; minor sports; practice teaching. Staff.

★11. THEORY AND PRACTICE. II; 3 cr. Minor sports; theory of baseball; scoutcraft and camping; hand apparatus, natural gymnastics, stunts, and efficiency tests; practice teaching. Staff.

★12. THEORY AND PRACTICE. I; 3 cr. Athletic conditioning and training, advanced basketball; advanced football; practice teaching. Staff.

★13. THEORY AND PRACTICE. II; 3 cr. General elections; advisory assignments; advanced gymnastics or advanced track and field; minor sports or advanced baseball; practice teaching. Staff.

†Deceased October 8, 1928.

*17. Athletic Training and First Aid. II; 2 cr. Open only to physical education minors. Mr Elsom, Mr. Steinauer.

39. Human Anatomy (Anatomy 39). I; 4 cr. Prerequisite: Biology 1. Mr. Bardeen.

*58. Human Mechanics. I; 2 cr. For men majoring or minoring in physical education. Prerequisite: Human anatomy. Mr. Nohr.

*90 (388). Principles of Teaching and Adaptation. II; 2 cr. Prerequisites: Physical Education 58 and 59. Mr. Lowman.

107. Physiology of Exercise. II; 3 cr. Prerequisites: Physical Education 3 and 58. Mr. Nohr.

118. Physical Examination (Medicine 118). I; 3 cr. Prerequisites: Anatomy 39, Physiology 3. Lab. fee $5.00. Mr. Elsom.

159. Social Aspects of Play and Recreation. I; 2 cr. Prerequisites: Psychology 1 or Education 11; Physical Education 59. Mr. Lowman.

161. Tests and Measurements in Physical Education. II; 2 cr. Prerequisites: Physical Education 12, 13, 58, 90, or 168. Mr. Nohr.

163. Therapeutic Gymnastics. Yr; 2 cr. Prerequisites: Anatomy 39 and Physical Education 58. Mr. Elsom.

*168. Organization and Administration of Physical Education. II; 2 cr. Prerequisites: Physical Education 10, 11, 12, and 59. Mr. Little, Mr. Lowman.

169. Aims and Ideals in Competition and Athletic Coaching. I; 2 cr. Prerequisite: Physical Education 168 or equivalent. Mr. Little.

263. Advanced Therapeutic Gymnastics. I; 2 cr. Prerequisite: Physical Education 163 or 166. Especially qualified students may arrange for research in corrective gymnastics and physiotherapy. Mr. Elsom.

291. Problems in Organization, Teaching, and Adaptation. I; 2 cr. Prerequisite: Physical Education 168 or 388. Mr. Lowman.

WOMEN'S DEPARTMENT

Professor Trilling (Director of Womens Gymnasium)
Associate Professor H'Doubler; Lecturer Rice
Assistant Professors Bassett, Denniston, Gorman, Mosscrop
Instructors Anderson, Ambler, Hastie, Meyer, Sherwin, Winn
Assistant Trumpf

*20. Practice in Dancing, Gymnastics, and Sports. Yr; no cr. For students majoring or minoring in physical education. Parallel to courses 1 and 2, including, in addition, instruction in nomenclature, elementary organization of materials, methods of leading sections and squads, and practice leading in courses 1 and 2. The course covers four years for major and two years for minor students. Staff.

*31. PRINCIPLES OF COACHING. II; 2 cr. Staff.

*32. PRINCIPLES OF COACHING. I; 2 cr. Staff.

*33. PRINCIPLES OF COACHING. II; 2 cr. Staff.

*41. THE SELECTION AND PRACTICE OF ACTIVITIES FOR ELEMENTARY AND SECONDARY SCHOOLS. II; 2 cr. Staff.

*42. PLAYS AND GAMES. I; 2 cr. Miss Gorman.

*43. ELEMENTARY FOLK DANCING. II; 1 cr. Miss Bassett.

*49. ADVANCED FOLK DANCING. I; 1 cr. Prerequisite: Physical Education 43 or consent of instructor. Miss Mosscrop.

*56. KINESIOLOGY. I; 3 cr. Prerequisites: Physical Education 20 and Anatomy 120. Miss Rice.

*60. RHYTHMIC FORM AND ANALYSIS. I; 1 cr. Prerequisite: Major in dancing. Miss H'Doubler.

*81. CAMP LEADERSHIP. II; 2 cr. Prerequisite: Sophomore standing. Miss Gorman.

*90. PRINCIPLES OF TEACHING AND ADAPTATION. I; 4 cr. Includes practice teaching. Prerequisites: Physical Education 20, 56, and 59. Miss Trilling and staff.

115. PHYSIOLOGY (Physiology 115). Yr; 5 cr. Prerequisites: Anatomy 120 and concurrent registration in Physiological Chemistry 114. Mr. Eyster, Mr. Meek, Mr. Dawson, and staff.

118. PHYSICAL EXAMINATION (Medicine 118). I, II; 3 cr. Prerequisites: Anatomy 120, Physiology 115. Lab. fee $5.00. Miss Morris.

120. HUMAN ANATOMY. II; 6 cr. Prerequisite: Biology 1. Mr. Bardeen.

*146. PHILOSOPHY OF DANCING. I; 1-3 cr. Miss H'Doubler.

160. ADVANCED RYTHMIC FORM AND ANALYSIS. II; 2 cr. Prerequisite: Physical Education 60. Miss H'Doubler.

162. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION. II; 2 cr. Prerequisite: Senior standing. Miss Gorman.

163. THERAPEUTIC GYMNASTICS. Yr; 2 cr. Prerequisites: Anatomy 120, Physical Education 56. Mrs. Denniston.

165. DANCE COMPOSITION. II; 2 cr. Prerequisite: Major in dancing. Miss H'Doubler.

*168. ORGANIZATION AND ADMINISTRATION OF PHYSICAL EDUCATION. II; 2 cr. Prerequisites: Physical Education 20 and 59. Miss Trilling.

262. RESEARCH IN TESTS AND MEASUREMENTS. Yr; 2 cr. Prerequisite: Physical Education 162.

263. Advanced Therapeutic Gymnastics. I, II; 2 or 3 cr. Prerequisite: Physical Education 163. Mrs. Denniston.

265. Seminary in Dance Drama. II; 2 cr. Prerequisites: Physical Education 60, 165. Miss H'Doubler.

292. Seminary in Administration. II; 2 cr. Prerequisites: Physical Education 90, 168. Miss Trilling.

COURSES OPEN TO BOTH MEN AND WOMEN

5. Disease Prevention (Pathology 5). II; 2 cr. Mr. Clark.

16. First Aid to the Injured. II; 1 cr. Discussion of accidents that may occur in the home, the gymnasium, the athletic field, etc. Methods of emergency treatment with actual practice. Latest methods of transportation of injured. Red Cross diploma in first aid is granted. Mr. Elsom.

59. Nature, Function, and Organization of Play. I; 3 cr. Prerequisite: Psychology 1 or 3 credits in education. Mr. Lowman.

*71. Scouting and Other Adolescent Organizations. II; 2 cr. Prerequisite: Physical Education 59 or three credits in education or sociology. Mr. Elsom.

80. Community Recreation. II; 2 cr. Prerequisite: Physical Education 59 or three credits in education or sociology. Mr. Elsom.

114. Physiological Chemistry (Physiol. Chem. 114). I; 3 cr. Prerequisite: General chemistry. Mr. Bradley, Mr. Witzemann, and staff.

119. Health and Hygiene (Education 119). II; 2 cr. Mr. Greeley.

145. Psychology of Motor Learning (Education 145). Yr; 2 cr. Prerequisite: Education 143 or 144 or concurrent registration. Mr. Ragsdale.

159. Social Aspects of Play and Recreation. I; 2 cr. Prerequisites: Psychology 1 or Education 11; Physical Education 59. Mr. Lowman.

164. School Health Problems. II; 2 cr. Prerequisites: Anatomy 39 or 120, Physiology 3 or 115, Phys. Ed. 5 or 119, and Phys. Ed. 163. Mr. Elsom, Mr. Lowman.

166. Physical Therapy. II; 2-3 cr. Prerequisites: Anatomy and physiology. Mr. Elsom.

215. Research in Physiology. Yr; 2 cr. Prerequisite: Physiological Chemistry 114, Physiology 115. Mr. Dawson.

245. Research in Motor Learning (Education 245). Yr; 2 cr. Prerequisite: Education 145 or concurrent registration. Mr. Ragsdale.

PHYSICS

PROFESSORS BRILLOUIN (Acting), INGERSOLL, MENDENHALL (Chairman), SNOW† (Emeritus)
ASSOCIATE PROFESSORS ROEBUCK, TERRY
ASSISTANT PROFESSORS STEVE, WAHLIN, WILLIAMSON
INSTRUCTORS G. W. GIDDINGS, SOLLER, VAN DYKE
ASSISTANTS BELL, CALDER, CARDWELL, DAVIS, EARLS, ECKELS, L. GIDDINGS, GODFREY, GUYER, HANAWALT, JOHNSON, KNAPP, MARTIN, OSTERBERG, ROLLEFSON, ROUSE, SEARS, VACQUIER, WHITELAW, WHITFORD
RESEARCH ASSISTANTS CAVENDER, DILLON, SORDAHL, WEBB
FELLOW GLASOE; SCHOLARS JANSKY, WINCH (Milton College)

In order to adapt the instruction in physics to students of different purpose and degree of preparation, the introductory course is given in two divisions designated as courses 1 and 31. Course 1 is arranged primarily for those who are taking this subject for its general interest. Course 31 is intended for those who need or desire a more fundamental training, and presupposes either high-school physics or freshman mathematics, or concurrent registration in the latter.

Following these general courses, nine others are given for all who desire a further knowledge of the subjects treated in courses 1 and 31 and for those who are preparing to teach. Courses 115-124 are more advanced in nature and lead to courses 211-220 which are strictly graduate in character and are designed for those who are making a special study of the higher branches of physics.

MAJOR: The minimum amount of work acceptable for a major study in physics is 24 credits in approved courses, including the thesis.

FOR UNDERGRADUATES, COLLEGE OF LETTERS AND SCIENCE

1a. GENERAL PHYSICS. I, II; 5 cr. Mechanics, heat, magnetism, static electricity. (See also Physics 31.) Lab. fee $7.00. Mr. Steve, Mr. Ingersoll, and staff.

1b. GENERAL PHYSICS. I, II; 5 cr. Current electricity, sound, and light. Prerequisite: Physics 1a. Lab. fee $7.00. Mr. Steve, Mr. Ingersoll, and staff.

2. HEAT. I; 3 cr. Lecture-conference and laboratory. Prerequisite: Physics 1 or 31. Lab. fee, $6.50. Mr. Roebuck.

3. LIGHT. II; 3 cr. Lecture-conference and laboratory. Prerequisite: Physics 1 or 31. Lab. fee $6.50. Mr. Roebuck.

4. ELECTRICITY AND MAGNETISM. Yr; 3 cr. Lecture-conference and laboratory. Prerequisite: Physics 1 or 31. Lab. fee, $6.00 a semester. Mr. Wahlin.

7. PHOTOGRAPHY. II; 2 cr. Lectures and laboratory. Lab. fee, $4.50. Mr. Williamson.

†Deceased September 20, 1928.

10. Laboratory Arts. I; 1 cr. Glass blowing and shop work. Required for Physics 100 and 220. Lab. fee, $3.00. Mr. Roebuck, Mr. Foerst, Mr. Davis.

15. Radio-Activity and Discharge Through Gases. I; 3 cr. Laboratory and conference. Prerequisite: Physics 4. Lab. fee, $6.00. Mr. Williamson.

31. General Physics. Yr; 5 cr. Prerequisite: High-school physics or freshman mathematics, or concurrent registration in the latter. Lab. fee, $7.00. Mr. Roebuck, Mr. Williamson, Mr. Ingersoll, and staff.

65. General Physics. Yr; 3 cr. Required of sophomores in physical education. Lab. fee, $3.60. Mr. Williamson, Mr. Ingersoll, and staff.

90 (393). The Teaching of Physics. II; 2 cr. Mr. Steve.

100. Thesis. Yr; 2 cr. Lab. fee, $3.00 per credit. Staff.

FOR UNDERGRADUATES, COLLEGE OF ENGINEERING

51. General Physics. I; 5 cr. Mechanics, wave motion, and heat. Lab. fee, $7.00. Mr. Ingersoll, Mr. Wahlin, and staff.

52. General Physics. II; 5 cr. Magnetism, electricity, sound and light. Lab. fee, $7.00. Mr. Ingersoll, Mr. Wahlin, and staff.

53. Mechanics, Electricity and Magnetism. I; 3 cr. Required of sophomores in electrical engineering. Lab. fee, $3.60. Mr. Terry, Mr. Ingersoll, and staff.

54. Electrodynamics, Heat, and Sound. II; 3 cr. Continuation of Physics 53. Lab. fee, $3.60. Mr. Terry, Mr. Ingersoll, and staff.

55. Advanced Electricity and Magnetism. I; 3 cr. Required of juniors in electrical engineering. Lab. fee, $6.00. Mr. Terry, Mr. Wahlin, Mr. Soller.

56. Advanced Electricity and Light. II; 3 cr. Required of seniors in electrical engineering. Lab. fee, $6.50. Mr. Roebuck, Mr. Wahlin, Mr. Soller, Mr. Hanawalt.

FOR UNDERGRADUATES, COLLEGE OF AGRICULTURE

61. General Physics. II; 5 cr. Required of agricultural students. Lab. fee, $7.00. Mr. Steve, Mr. Ingersoll, and staff.

65. General Physics. Yr; 3 cr. Required of sophomores in home economics. Lab. fee, $5.00. Mr. Williamson, Mr. Ingersoll, and staff.

FOR UNDERGRADUATES AND GRADUATES

108. Elements of Radio-Communication. II; 3 cr. Prerequisite: Physics 1 or 31. Lab. fee, $3.00. Mr. Terry.

115. Introduction to Thermodynamics. I; 3 cr. Mr. Roebuck.

116. Electric Circuits and Electomagnetic Waves. I; 3 cr. Mr. Terry.

117. Physical Optics. II; 3 cr. Mr. Ingersoll.

118. Kinetic Theory of Gases. I; 3 cr. Mr. Ingersoll.

120. Colloquium. Yr; 1 cr. Mr. Mendenhall.

124. Mathematical Theory of Heat Conduction. II; 3 cr. Mr. Ingersoll.

FOR GRADUATES

211. Advanced Dynamics. Yr; 3 cr. Mr. Weaver.

212. Seminary Electron Theory of Solids. Yr; 3 cr. Not offered 1927-28. Mr. Mendenhall.

214. Application of Thermodynamics to the Properties of Matter. II; 3 cr. Mr. Roebuck.

215. Theory of Electricity. Yr; 3 cr. Not offered 1927-28. Mr. Weaver.

216. Electromagnetic Theory of Light. Yr; 3 cr. Mr. Mendenhall.

219. Radiation Theory. I; 3 cr. Not offered 1927-28. Mr. Mendenhall.

220. Graduate Research. Yr; *cr. Lab. fee, $3.00 a credit. Staff.

223. Applications of Dynamics to Quantum Theory. II; 3 cr. Mr. Brillouin.

For courses in mechanics, harmonic analysis, etc., see Department of Mathematics.

PHYSIOLOGY

See Medical School.

PHYSIOLOGICAL CHEMISTRY

See Medical School.

POLITICAL SCIENCE

Professors Gaus, Ogg (Chairman), Potter
Associate Professors Harris, MacGregor, Sharp
Assistant Profesor Saunders
Instructor Grant
Assistants Kirk, Pois, Sprout
Fellows Han (Honorary), Mattusch (German Exchange), Shreiner, White (Honorary)
Scholars Calkins, Li (Honorary), Motzeff (Beloit College), Shelvankar (Honorary)

The courses offered by the Department of Political Science are designed to afford a well-rounded view of the nature and activities of government and to

give substantial acquaintance with public affairs, both national and international. Some of them are intended primarily to furnish information requisite for intelligent citizenship, along with the mental training which forms a part of any liberal education. Others involve more specialized study, with a view to expert knowledge of legislation, administration, judicial procedure, diplomacy, and public law. The courses are open, in general, to students above the freshman year, and all are elective. Courses 7a and 7b, which are given every semester, form a normal introduction to the work of the department. They are intended primarily for students in their sophomore year and ought, if possible, to be taken in that year. Either may be taken for credit without the other, but both are necessary to give a complete view of the field of American government. With slight exceptions 7a or 7b, is a prerequisite for courses 122, 123, 129, 135, 138, and 143, and is recommended as affording desirable preparation for all other courses. Courses which can be taken to advantage immediately after 7a or 7b include 2, 13, 101, 112, 114, 115, 121, 122, 123, 125, 127, 131, 134, 138, 143, and 165, according to the interest of the student.

MAJOR: 25 credits (including thesis when one is written). The student will do well to include in the major courses 7a, 7b, 101, 112, 122, 125, 127, and 137. Students who expect to major in the department should take courses 101 and 112 not later than the junior year. The thesis may be written in any one of the fields designated below in groups I-V. Ordinarily, at least two courses in the field selected are required as a background for the thesis.

I. GENERAL POLITICAL SCIENCE

101. ELEMENTS OF POLITICAL SCIENCE. I, II; 3 cr. A survey of the entire field of political organization and practice. Mr. Saunders.

147. CONTEMPORARY POLITICAL THEORIES. I, II; 3 cr. The political ideas implicit in the relationships of political governments to economic and religious institutions, cultural interests, individuals, and one another. Mr. Gaus.

165. HISTORY OF AMERICAN POLITICAL IDEAS. I; 2 cr. An historical and analytical survey. Mr. Saunders.

200. METHODOLOGY OF POLITICAL SCIENCE. II; 1 cr. Mr. Gaus.

239. SEMINARY IN PUBLIC OPINION. II; 2 cr. Mr. Harris and others.

245. HISTORY OF EUROPEAN POLITICAL THOUGHT. Yr; 2 cr. The subject is covered in the first semester to the seventeenth century; in the second, thence to the middle of the nineteenth. Mr. Ogg.

II. AMERICAN GOVERNMENT

7a. AMERICAN GOVERNMENT AND POLITICS. (National) I, II; 3 cr. Not open to freshmen. Deals with the national government, including political parties. Mr. Sharp and staff.

7b. AMERICAN GOVERNMENT AND POLITICS. (State) I, II; 3 cr. Not open to freshmen. Deals with state and local government. Mr. Harris and staff.

13. MUNICIPAL GOVERNMENT. I; 3 cr. Prerequisite: Full sophomore standing. Chiefly American, but with introductory survey of European municipal organization. Mr. Harris.

114. PRACTICAL PROBLEMS OF MUNICIPAL GOVERNMENT. I; 3 cr. Prerequisite: Political Science 7a, 7b or consent of instructor. Mr. MacGregor.

115. SOCIAL PROBLEMS OF MUNICIPAL GOVERNMENT. II; 3 cr. Prerequisite: Political Science 7a, 7b or consent of instructor. Mr. MacGregor.

122. POLITICAL PARTIES AND PARTY PROBLEMS. I, II; 3 cr. Prerequisite: Political Science 7a or 7b. Mr. Harris.

123. THE FOREIGN SERVICE OF THE UNITED STATES. I; 2 cr. Prerequisite: Political Science 7a. The organization and workings of the diplomatic and consular services, and consultation regarding entrance to the foreign service. Mr. Potter.

126. PRINCIPLES OF LEGISLATION. I; 2 cr. Prerequisite: Political Science 112. Mr. Grant.

129. PRACTICAL PROBLEMS OF DEMOCRACY. I or II; 2 cr. Prerequisite: Political Science 7a or 7b. Mr. Grant.

134. COUNTY AND TOWNSHIP GOVERNMENT IN THE UNITED STATES. I; 2 cr. Prerequisite: Full sophomore standing. Mr. Saunders.

135. MUNICIPAL ADMINISTRATION. II; 3 cr. Prerequisite: Political Science 7b or consent of instructor. Mr. Harris.

138. LEGISLATIVE ORGANIZATION AND PROCEDURE. II; 2 or 3 cr. Prerequisite: Political Science 7a or 7b or consent of instructor. Mr. Grant.

139. GOVERNMENT OF WISCONSIN. II; 2-3 cr. Prerequisite: Political Science, 7a or 7b or consent of instructor. Mr. Saunders.

143. INTRODUCTION TO PUBLIC ADMINISTRATION. I; 2 cr. Prerequisite: Political Science 7a or 7b or consent of instructor. Mr. Harris.

258. SEMINARY IN ADMINISTRATION. Yr; 2 cr. Prerequisite: Graduate standing or consent of instructor. Not offered 1927-28.

III. FOREIGN AND COMPARATIVE GOVERNMENT

121. DEPENDENCIES AND THEIR INTERNATIONAL STATUS. II; 2 cr. Prerequisite: A course in modern history. Mr. Potter.

124. FEDERALISM IN THE BRITISH DOMINIONS. II; 2 or 3 cr. Prerequisite: Political Science 7a, 127, or 128, or consent of instructor. Mr. Sharp.

127. COMPARATIVE GOVERNMENT (ENGLAND). I; 3 cr. Prerequisite: Full sophomore standing. Mr. Sharp.

128. COMPARATIVE GOVERNMENT (CONTINENTAL EUROPE). II; 3 cr. Prerequisite: Full sophomore standing. The systems dealt with chiefly are the French, Italian, German, Swiss, and Russian. Mr. Sharp.

130. GOVERNMENTS AND POLITICS OF LATIN AMERICA. II; 2 or 3 cr. Offered for the first time in 1928-29. Mr. Lloyd Jones.

250. ADVANCED COMPARATIVE GOVERNMENT. Yr; 2 cr. Courses 127 and 128 are designed primarily for undergraduates. Graduate students are expected ordinarily to take course 250. Emphasis in the first semester is on English government; in the second, on governments of Continental Europe. Mr. Ogg.

IV. INTERNATIONAL ORGANIZATION AND RELATIONS

120. WORLD POLITICS: THE FAR EAST. I; 2 cr. Prerequisite: Full sophomore standing. Mr. Ogg.

125. GENERAL SURVEY OF WORLD POLITICS. I, 3 cr. Prerequisite: Full sophomore standing. A general survey of international relations since the opening of the nineteenth century, with stress on present day conditions. Mr. Sharp.

131. UNITED STATES AND LATIN AMERICA. I or II; 2 cr. Prerequisite: Full sophomore standing. Not offered 1927-28. Mr. Lloyd Jones.

133. AFRICA AND THE NEAR EAST. II; 2 cr. Prerequisite: Full sophomore standing. Mr. Ogg.

137. INTERNATIONAL ORGANIZATION AND THE LEAGUE OF NATIONS. I; 3 cr. Prerequisite: A course in modern history. Mr. Potter.

255. SEMINARY IN WORLD POLITICS. Yr; 2 cr. Deals principally with topics relating to Pacific Asia, but also to some extent Africa and the Near East. Either semester's work may be taken separately; and, normally, graduate students should enroll in this course rather than courses 120 and 133. Mr. Ogg.

259. SEMINARY IN INTERNATIONAL LAW. II; 2 cr. Mr. Potter.

260. SEMINARY IN INTERNATIONAL ORGANIZATION AND THE LEAGUE OF NATIONS. I, II; 2 cr. Mr. Potter.

V. PUBLIC LAW AND JURISPRUDENCE

2. ELEMENTARY LAW. II; 3 cr. Prerequisite: Full sophomore standing. A general introduction to private law. Mr. Grant.

109. ROMAN LAW. I; 3 cr. Prerequisite: Full sophomore standing. Not offered 1927-28. Mr. Sharp.

112. INTRODUCTION TO THE CONSTITUTION. I; 3 cr. Prerequisite: Political Science 2 or 7a, History 4, or Economics 1a. An introductory course in constitutional law. Mr. Grant.

118. PRINCIPLES OF INTERNATIONAL LAW. Yr; 3 cr. Prerequisite: A course in modern history. Mr. Potter.

119. International Law as Interpreted by the Courts. II; 3 cr. Prerequisite: Second year standing in Law School or a course in modern history. A study of the principles and theory of international law as illustrated by judicial decisions. Mr. Potter.

144. Social Legislation and the Police Power. II; 3 cr. Mr. Grant.

261. Seminary in Legislation and Constitutional Law. II; 2 cr. Not offered 1927-28. Mr. Grant.

VI. MISCELLANEOUS

180. Special Work for Upper-Group and Graduate Students. I, II; 3 cr This course is intended primarily for undergraduates, but may be taken by graduates. The work is on a purely individual basis, under the direction of some member of the staff.

PSYCHOLOGY

Professors Henmon (Chairman), Hull, Jastron (Emeritus), Sharp
Assistant Professors Cameron, Sheldon
Instructor Mueller
Assistants Burke, Caster, Scott, Williams
Research Fellow Drought

The requirement for an undergraduate major in psychology is a minimum of 24 credits, including courses 103, 104, and a thesis. At least 12 of these credits must be obtained in courses numbered over 100. None of the courses in this department is open to freshmen.

FOR UNDERGRADUATES

1. Introductory Psychology. I, II; 3 cr. Prerequisite: Sophomore standing. Prerequisite to all other courses in psychology. Mr. Sharp, Mr. Sheldon and staff.

22. Human Personality. I; 2 cr. Mr. Mueller.

23. Psychology of Business Relations. II; 3 cr. Mr. Sheldon.

FOR UNDERGRADUATES AND GRADUATES

103. Experimental Psychology. I; 3 cr. Mr. Hull, Mr. Mueller.

104. Experimental Psychology. II; 3 cr. Mr. Hull, Mr. Mueller.

105. Research in Psychology. *cr. Staff.

107. Abnormal Psychology. II; 3 cr. Mr. Hull, Mr. Mueller.

108. Psychology of the Emotions. I; 2 cr. Mr. Henmon.

111. Psychology of Thinking. II; 3 cr. Mr. Sharp.

115. Vocational Aptitude Tests. I; 3 cr. Prerequisites: Psychology 103 or 104 or Educ. 147. Mr. Hull.

124. Psychology of Social Institutions. I; 3 cr. Mr. Sheldon.

125. Psychology of Instinct and Motivation. II; 3 cr. Mr. Sheldon.

143. Individual Differences and the Measurement of Intelligence. *II;* 3 cr. Mr. Henmon.

144. Psychology of Learning. I; 3 cr. Mr. Henmon.

146. Mental Tests. II; 2 cr. Mr. Torgerson.

153. Animal Psychology. I; 3 cr. Given in 1926-27 and in alternate years. Mr. Cameron.

154. Physiological Psychology. II; 2 cr. Not offered 1927-28. Mr. Cameron.

155. Comparative Psychology. I; 2 or 3 cr. Not offered 1927-28. Mr. Cameron.

156. Race Psychology. II; 2 cr. Not offered 1927-28. Mr. Ragsdale.

161. Introduction to Behaviorism. II; 2 cr. Not offered 1927-28. Mr. Cameron.

170. Neuro-Psychology. II; 3 cr. Not offered 1927-28. Mr. Cameron.

FOR GRADUATES

210. Psychological Seminary. Yr; 2 cr. Mr. Henmon.

214. Psychological Seminary. Yr; 2 cr. Mr. Hull.

PUBLIC SPEAKING

See Speech, page 216.

ROMANCE LANGUAGES

PROFESSORS GIESE, OWEN (Emeritus), SCHLATTER, H. A. SMITH, ZDANOWICZ (Chairman)

ASSOCIATE PROFESSORS CHEYDLEUR, COOL, GAY, GILLEN, ORTEGA, ROGERS, SOLALINDE

ASSISTANT PROFESSORS BERKOWITZ, BRADLEY, J. H. GREENLEAF, JOHNSON, LYON, MICHELL, RUSSO

INSTRUCTORS BENNETT, BODENSIECK, BOSCHINI, CADDOCK, CILLEY, COOK, CORNWELL, DEXTER, FLINT, GAINES, GARWOOD, GOULD, C. H. GREENLEAF, GULLETTE, HARRIS, HERRIOTT, HOCKING, LEVY, MERCIER, METTENET, MOTT, NUNEMAKER, TREILLE, VACQUIER

ASSISTANTS BLEIN, CARRANZA, COVERT, DE MORA, ERNST, LANE, LOWE, MCGILVARY, MAGARO, NEALE, TUFTS, TYRE

FELLOWS LEVEQUE REY (Honorary); SCHOLARS DIDDERRICH (Lawrence College), PILGER (Ripon College), SAYRE

The elementary courses in French and Spanish have been planned to meet the needs of those who have begun the language in high school, as well as of those who take it up for the first time in college. One unit of high-school work is assumed to be the equivalent of 4 credits of college work.

French 13 and 15 and Spanish 15 and 20 are second-year practice courses intended to supplement the training in French or Spanish 10, which emphasizes the acquiring of a reading knowledge. Spanish 20 may be taken separately, but the others only in conjunction with some other course in the language, except by special permission. French 16, 124, 127, 227, and Spanish 25 and 116 afford more advanced training in writing and speaking, and are designed as supplementary courses for those aiming at a thorough knowledge of the language.

French 20 and 21 are both third-year courses. Only one may be taken for credit, as prescribed below under the announcements of these courses. French 20 is mainly a reading and translation course; French 21 includes translation, study of the literary aspect of the works read, and literary history. One of these two courses or its equivalent is prerequisite to advanced courses in French literature. Spanish 21 is similarly designed to be introductory and prerequisite to other courses in Spanish literature.

MAJOR: In French, Spanish, or Italian—24 credits in advance of 1b, including thesis, thesis course, or substitute. (Lower-group students are required to take 4-6 credits in literature courses above 100 to replace the 4 credits of thesis.)

Those majoring in French or Spanish with the expectation of teaching are required to have, in addition to these 24 credits, 2-3 credits in the teachers' course (French 90). They must offer, as part of the required minimum, 4 credits in composition and conversation above French 15, with an average grade of B or above, 2 credits in phonetics (French or Spanish 190) and 6 credits in French or Spanish literature, of which at least three shall be chosen from the following courses: French 122, 123, 126, 131, 132, 134, 136, 137, 139; Spanish 102, 103, 104, 105, 106, 107, 111.

Majors in Romance Languages are urged to elect related courses in other languages and literatures, history, and philosophy. For regulations regarding the

maximum number of credits which may be taken in a single department toward a bachelor's degree, see page 62.

MINOR. In French, Spanish, or Italian—12 credits in advance of 10b, including at least 2 credits in composition and conversation and at least 3 credits in some general course in literature.

GRADUATE WORK. Detailed information may be found under the heading Graduate School or in the Graduate Bulletin.

The advanced courses are planned to cover adequately, in successive years the principal periods and genres of Romance literature, medieval and modern. Courses in Old French, Provençal, and other philological courses are grouped under Romance Philology. For satisfactory work in Romance philology some knowledge of Latin is indispensable; it is required of all candidates for the doctor's degree.

FRENCH AND SPANISH HOUSES. Houses intended especially for intensive training in speaking French and Spanish are maintained under the auspices of the Department of Romance Languages. They are open to women students for room and board, and both men and women rooming outside may take their meals there. Women of French and Spanish birth reside in the houses to aid in conversation, and they, with regular instructors, preside at the tables. French and Spanish only are spoken in parlors and dining-rooms. Prospective teachers of French and Spanish, and all others desirous of acquiring practice in the spoken language, are urged to room or board at one of these houses. Requests for further information and application for rooms should be directed to the Chairman, Department of Romance Languages, and sent well in advance, both for summer session and regular year. The houses are also headquarters for the French and Spanish Clubs.

ITALIAN TABLE. Arrangements are made for a table at which Italian is spoken, if a sufficient number desire this.

CLUBS. French, Italian, and Spanish clubs at the University afford students an opportunity to participate in short plays, French and Spanish games, and to converse, under the most natural conditions possible, in the language in which they are interested. Modern and classical plays are presented from time to time. New members are admitted to the French club upon successful competition in a try-out given by the old members. For the Spanish club there is no try-out, but students must indicate their purpose to attend regularly. The Italian club requires that its members shall have a year of Italian or be graduate students taking Italian.

FRENCH

I. LANGUAGE

FOR UNDERGRADUATES

1a. FIRST-SEMESTER FRENCH. I, II; 4 cr. Mr. Cheydleur and staff.

1b. SECOND-SEMESTER FRENCH. I, II; 4 cr. Prerequisite: French 1a or one year of high-school French. Mr. Cheydleur and staff.

10a. THIRD-SEMESTER FRENCH. I, II; 3 cr. Prerequisite: French 1b or two years of high-school French.

10b. FOURTH-SEMESTER FRENCH. I, II; 3 cr. Prerequisite: French 10a or three years of high-school French. Mr. Bradley and staff.

13. RAPID READING. Yr; 1 cr. To be taken only with French 10a or 10b, except by special permission. Not open to students with two years of college French. Does not count toward French teaching major. Mr. Bradley and staff.

15. ELEMENTARY COMPOSITION AND CONVERSATION. Yr; 2 cr. Supplementary course to be taken with French 10a and 10b. Not open to students who have had the equivalent of two years of college French. Mr. Bradley and staff.

16. INTERMEDIATE CONVERSATION AND COMPOSITION. Yr; 2 cr. Prerequisite: French 10b or equivalent. Miss Gay and staff.

18. FRANCE OF TODAY. Yr; 2 cr. Reading and discussion of books, newspapers, and periodicals. Primarily for students in journalism and commerce. Prerequisite: French 10b and sophomore standing. Mr. Levy.

20. THIRD-YEAR READING. Yr; 3 cr. Prerequisite: French 10b. Not open to those whose grade in French 10b was 85 or above; (Such students take French 21.) Students offering high school or college preparation will be transferred to French 21 if examination warrants it. Mr. Caddock, Mr. Cook, Miss Cornwell, Miss Flint, Mr. Gaines, Mr. Harris, Mr. Hocking, Mr. Levy, Miss Mott.

90 (344). THEORY AND PRACTICE OF TEACHING FRENCH AND SPANISH. I, II; 2 cr. Mr. Smith, Miss Johnson, Miss Gay.

FOR UNDERGRADUATES AND GRADUATES

124. COMPOSITION AND CONVERSATION. Yr; 2 cr. Prerequisite: French 16 or equivalent with grade of B. Conducted in French. Mlle Blein, Miss Gay, Mlle Treille.

127. COMPOSITION AND STYLE. Yr; 2 cr. Prerequisite: Two years of college composition and conversation or French 16 with grade of A. Conducted in French. Mrs. Greenleaf.

141. HISTORY OF THE FRENCH LANGUAGE. Yr; 1 cr. Lectures and assigned reading. Mr. Schlatter.

190. PHONETICS. I, II; 2 cr. Theory of French sounds, with practice in pronunciation. Prerequisite: Three years of college French. Mrs. Greenleaf.

191. FRENCH DICTION. I, II; 2 cr. Study of stress, quantity, rhythm, breathing, articulation, voice, intonation. Prerequisite: French 190 or consent of instructor. Mrs. Greenleaf.

FOR GRADUATES

3. READING COURSE FOR GRADUATE STUDENTS. Yr; two hours a week; no credit. Mr. Gillen.

227. GRADUATE COMPOSITION. Yr; 1 cr. Conducted in French. Mrs. Greenleaf.

II. LITERATURE

Course 20 or 21, or the equivalent, is prerequisite to all other courses in French literature.

FOR UNDERGRADUATES

21. ELEMENTARY SURVEY. Yr; 3 cr. Prerequisite: Grade of 85 or above in French 10b. Students offering high-school or college preparation will be transferred to French 20 if examination shows inadequate preparation. Mr. Bradley, Miss Gay, Mr. Giese, Mr. Gillen, Mr. Michell, Mr. Harris.

50. MASTERPIECES OF ROMANCE LITERATURE IN TRANSLATION. (Comp. Lit. 50.) Yr; 2 cr. This course does not carry credit toward the requirement in foreign language nor toward the major. Mr. Harris.

FOR UNDERGRADUATES AND GRADUATES

100. THESIS COURSE. Yr; 2 cr. Open only to seniors and graduates. Three sections: 1. Balzac, Miss Cornwell; 3. Letters and Biography, Mr. Gillen.

122. FRENCH LITERATURE OF THE NINETEENTH CENTURY. Yr; 3 cr. Mr. Giese.

123. MODERN FRENCH DRAMA. Yr; 3 cr. Mr. Smith.

125. CONTEMPORARY FRENCH LITERATURE. Yr; 3 cr. This course should be preceded by some general course on a century or a genre. Mr. Rogers.

126. FRENCH POETRY. Yr; 2 cr. Explication de textes. Mrs. Greenleaf.

131. GENERAL SURVEY OF FRENCH LITERATURE. Yr; 3 cr. Mr. Cheydleur.

132. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY. Yr; 2 cr. Mr. Michell.

133. VICTOR HUGO. I; 2 cr. Not given 1927-28. Mr. Michell.

134. BALZAC. II; 2 cr. Not given 1927-28. Mr. Michell.

136. FRENCH NOVEL FROM THE SEVENTEENTH CENTURY TO THE TWENTIETH. Yr; 3 cr. Mr. Cheydleur.

137. MOLIERE. Yr; 2 cr. Not given 1927-28. Mr. Zdanowicz.

139. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY. Yr; 3 cr. Mr. Zdanowicz.

150. FRENCH CIVILIZATION. II; 1 or 2 cr. Mr. Gillen.

160. Individual Research. Yr; *cr. With special permission, superior students may do individual research, under supervision, in some definite field. Staff, on consultation with chairman of department.

FOR GRADUATES

242. Old French Epic Poetry. Yr; 2 cr. Mr. Smith.

243. Seminary in Old French Literature. Yr; 2 cr. A general survey of the Arthurian Cycle, with special emphasis on Tristan, Marie de France, and Chrétien de Troyes. Miss Gay.

250. The Renaissance in Romance Countries. Yr; 2 cr. Not given 1927-28. Mr. Zdanowicz.

252. Seminary in Ancient French Drama. Yr; 2 cr. Not given 1927-28. Mr. Smith.

253. Seminary in French Literature. Yr; 2 cr. Classicism, Mr. Zdanowicz.

254. Seminary in French Literature. Yr; 2 cr. Not given 1927-28. Mr. Smith.

256. Seminary in Modern French Criticism. Yr; 2 cr. Mr. Giese.

ITALIAN

I. Language

FOR UNDERGRADUATES

1a. First-Semester Italian. I, II; 4 cr. Miss Bennett, Miss Boschini, Mr. Magaro, Mr. Russo.

1b. Second-Semester Italian. II; 4 cr. Miss Bennett, Miss Boschini.

10. Second-Year Italian. Yr; 3 cr. Prerequisite: One year of college Italian or equivalent. Mr. Russo, Miss Boschini.

15. Italian Conversation. Yr; 1 cr. Prerequisite: Italian 1a. Miss Boschini.

II. Literature

Except by permission of instructor, Italian 10 is prerequisite to all courses in Italian literature, which are conducted mostly in Italian.

102. Modern Italian Literature. Yr; 3 cr. Not given 1927-28. Mr. Russo.

131. General Survey of Italian Literature. Yr; 3 cr. Miss Boschini, Mr. Russo.

152. Italian Renaissance. Yr; 3 cr. Not given 1927-28. Mr. Russo.

160. Dante. (The Divine Comedy.) Yr; 3 cr. Mr. Michell, Mr. Russo.

161. Origins and Trecento. Yr; 3 cr. Not given 1927-28. Mr. Russo.

PORTUGUESE

271. Portuguese Language and Literature. Yr; 2 cr. Prerequisite: Three years of college Spanish. (Omitted 1927-28.) Mr. Solalinde.

SPANISH

I. Language

FOR UNDERGRADUATES

1a. First-Semester Spanish. I, II; 4 cr. Mr. Berkowitz and staff.

1b. Second-Semester Spanish. I, II; 4 cr. Prerequisite: Spanish 1a or one year of high-school Spanish. Mr. Berkowitz and staff.

10a. Third-Semester Spanish. I, II; 3 cr. Prerequisite: Spanish 1b or two years of high-school Spanish. Mr. Cool and staff.

10b. Fourth-Semester Spanish. I, II; 3 cr. Prerequisite: Spanish 10a or three years of high-school Spanish. Mr. Cool and staff.

15. Elementary Conversation. Yr; 1 cr. Supplementary course to be taken only in connection with Spanish 10a or 10b. Mr. Lyon and staff.

17. Spain and South America of Today. Yr; 2 cr. Reading and discussion of books, newspapers, and periodicals, primarily for students in journalism and commerce. Prerequisite: Spanish 10b and sophomore standing. Mr. Neale.

20. Elementary Conversation and Composition. Yr; 2 cr. Prerequisite: Spanish 1b or equivalent. Not open to students who have had Spanish 10b. Mr. Lyon and staff.

25. Intermediate Conversation and Composition. Yr; 2 cr. Prerequisite: Spanish 10b or equivalent. Mr. Lyon and staff.

27. Spanish Commercial Correspondence. Yr; 2 cr. Prerequisite: Spanish 10b or 20. Mr. Cool.

90. See French 90.

FOR UNDERGRADUATES AND GRADUATES

113. Spanish Grammar. I; 2 cr. Mr. Nunemaker.

116. Advanced Composition and Conversation. Yr; 2 cr. Prerequisite: Three years of college Spanish. Mr. Lyon.

141. Elementary Spanish Phonology and Morphology. Yr; 2 cr. Not given 1927-28. Mr. Solalinde.

190. Spanish Phonetics. I, II; 2 cr. Prerequisite: Three years of college Spanish. Mr. Solalinde.

II. Literature

Course 21 or its equivalent is prerequisite to all other courses in Spanish literature.

21. Elementary Survey. Yr; 3 cr. Prerequisite: Spanish 10b. Mr. Berkowitz, Mr. Cool, Mr. Lyon, Mr. Nunemaker.

FOR UNDERGRADUATES AND GRADUATES

100. Thesis Course. Yr; 2 cr. Open only to seniors and graduates. Mr. Berkowitz.

102. Spanish Contemporary Novel and Drama. Yr; 3 cr. Conducted in Spanish. Mr. Solalinde.

103. Spanish Lyric Poetry. II; 3 cr. Conducted in Spanish. Not given 1927-28. Mr. Ortega.

104. Don Quijote. Yr; 3 cr. Not given 1927-28. Mr. Cool.

105. Survey of Eighteenth and Nineteenth Century Spanish Literature. Yr; 3 cr. Not given 1927-28. Mr. Lyon.

106. Spanish Drama. Yr; 2 cr. Spanish drama of the eighteenth and nineteenth centuries. Not given 1927-28. Mr. Berkowitz.

107. Galdos. I; 3 cr. Conducted in Spanish. Not given 1927-28. Mr. Ortega.

111. Spanish Novel. Yr; 2 cr. From its origins through the nineteenth century. Mr. Cool.

122. Spanish Novel of the Nineteenth Century. Yr; 3 cr. Mr. Berkowitz.

131. General Survey of Spanish Literature. Yr; 3 cr. Class readings, lectures, and reports. Not given 1927-28. Mr. Lyon.

150. Spanish Civilization. Yr; 2 cr. Lectures and assigned reading. Conducted in Spanish. Mr. Solalinde.

160. Research in Spanish. Yr; *cr. With special permission superior students may do individual research, under supervision, in some definite field. Staff, on consultation with chairman of Department.

171. Spanish Epic Literature. Yr; 2 cr. Mr. Solalinde.

FOR GRADUATES

209. Seminary in Spanish Literature. Yr; 2 cr. Mr. Lyon.
270. Seminary in Old Spanish. Yr; 2 cr. Mr. Solalinde.

ROMANCE PHILOLOGY

240. Old French. Yr; 2 cr. An introductory course. Miss Gay.

244. Old Provencal. Yr; 2 cr. Not given 1927-28. Mr. Solalinde.

272. Origins of the Lingua Vulgaris. Yr; 2 cr. The differentiation of the Lingua Vulgaris into Spanish, Provençal, and Italian. Not given 1927-28. Mr. Solalinde.

273. Comparative Romance Philology. Yr; 2 cr. Not given 1927-28. Mr. Solalinde.

SCANDINAVIAN LANGUAGES

Professor Olson

FOR UNDERGRADUATES

1. First-Year Norse. Yr; 4 cr. Primarily for freshmen.

2. Second-Year Norse. Yr; 4 cr. Literary selections. A continuation of Norse 1.

3. Norse Grammar and Literary Readings. Yr; 3 cr. For students who have some familiarity with the spoken language, or who have a good knowledge of other foreign languages.

4. Novels and Dramas. Yr; 2 cr. A continuation of Norse 2 or 3.

5. Ibsen's Dramatic Poems. (Brand and Peer Gynt.) Yr; 2 cr.

The following are lecture courses given in English for which a knowledge of a Scandinavian language is not required.

73. Ibsen's Social Dramas. II; 2 cr.

74. Ibsen's Brand and Peer Gynt. I; 2 cr.

FOR UNDERGRADUATES AND GRADUATES

108. Old Norse. Yr; 3 cr. Mr. W. E. Leonard.

SEMITIC LANGUAGES AND HELLENISTIC GREEK

Professor Williams (Emeritus)
Assistant Professor Kelly (Chairman)

The various courses in this department are adapted to the needs of: (1) The general student who desires to extend his culture by becoming acquainted with this non-Indo-European family of languages giving a view of a little known domain of intellectual development of great importance for liberal culture; (2) the prospective theological student, or those already in the ministry, since the Semitic peoples furnish materials of the highest importance for theology; (3) the student of philosophy, comparative religion, and comparative literature; (4) the student of ancient history, anthropology, and sociology who desires to come into contact with the earliest monuments and records; (5) the student of linguistics who desires a view of a most important family of languages, a

knowledge of which is essential to a thorough understanding of language processes; (6) the student of Semitic languages, literatures, and history for their own sake.

The general student may gain an acquaintance with the nature of the Semitic peoples and genius from the courses given in English, for which no knowledge of foreign language is necessary. The language work of the department may be begun with Hebrew, Hellenistic Greek, or Arabic.

Courses of this department regularly open to freshmen are Hebrew 1, 2, 3, and 7. These are counted in satisfaction of foreign language requirements. Freshmen may begin Hellenistic Greek, but the elementary course counts only as an elective and not for foreign language requirements, unless permission is first secured from the Executive Committee. Courses in Hellenistic Greek in advance of the first year may be substituted for other foreign languages to the extent of eight credits.

MAJOR: A minimum of 20 credits, including thesis, made up from any of the courses offered in one or more languages, excepting 1, 2, 16, and 17.

See the circular of the Language and Literature Division of the Graduate School for details of graduate work in this department.

SEMITIC LANGUAGES

1. ELEMENTARY HEBREW. Yr; 4 cr.

3. SECOND-YEAR HEBREW. Yr; 2 cr. With additional work assigned by the instructor, this course may be given graduate credit.

7. HEBREW PROSE COMPOSITION AND CONVERSATION. Yr; 1 or 2 cr.

26. HISTORICAL GEOGRAPHY AND ARCHAEOLOGY OF PALESTINE. Yr; 1 or 2 cr. Given in English.

28. SURVEY OF SEMITIC LITERATURE. II; 2 cr. Not given 1927-28. The masterpieces of Hebrew, Arabic, and general Semitic literature in English.

105. THE MINOR PROPHETS. Yr; 2 cr. An advanced course.

106. THE BOOK OF JOB. Yr; 2 cr. Not given 1927-28.

108. HEBREW SYNTAX. Yr; 2 cr. Not given 1927-28.

112. ELEMENTARY ARABIC. Yr; 2 cr.

113. ADVANCED ARABIC. Yr; 2 cr. Not given 1927-28.

114. ELEMENTARY ASSYRIAN. Yr; 2 cr. Not given 1927-28.

127. THE PSALMS—BOOKS I, II. Yr; 2 cr.

129. BIBLICAL ARAMAIC; SYRIAC. Yr; 2 cr.

209. ADVANCED HEBREW SYNTAX. I; 2 cr. Not given 1927-28.

210. ADVANCED HEBREW ETYMOLOGY. I; 2 cr. Historical and comparative grammar are introduced. Not given 1927-28.

211. Hebrew Seminary. Yr. A knowledge of Hellenistic Greek, Latin, German, and French is necessary for the most effective work, but a knowledge of all the languages specified is not indispensable.

HELLENISTIC GREEK

16. Elementary Hellenistic Greek. Yr; 4 cr. For those who have not studied classical Greek. Not given 1927-28.

18. Second-Year Hellenistic Greek. Yr; 2 cr. Not given 1928-29.

119. Advanced Hellenistic Greek. Yr; 2 cr.

120. The Book of John. Yr; 2 cr. Not given 1927-28.

221. Hellenistic Greek Seminary. Yr; 2 cr. French, German, Latin, and Syraic are necessary for the most effective work. Not given 1927-28.

222. Advanced Hellenistic Greek Grammar. Yr; 2 cr. Not given 1927-28.

SPEECH

Professor Weaver (Chairman)
Associate Professors Johnson, West
Assistant Professors Barnes, Borchers, Ewbank (Acting), Troutman
Instructor Skinner; Assistants Holmes, Kennedy
Fellow Haworth; Scholar Casey

The courses in this department have two main functions: 1. To educate students in the fundamentals of speech (private and public), covering both scientific and artistic aspects, organized knowledge and personal proficiency; 2. To prepare especially qualified students to become teachers in one or more of the following sections of this field: (a) argumentation and debate, and the composition and delivery of public speeches; (b) reading and dramatic art, both acting and producing; (c) voice training and the correction of speech disorders; (d) the psychology and pedagogy of reading and speaking; (e) voice science and phonetics. The courses are so arranged as to make possible systematic and progressive study during the sophomore, junior, and senior years. Courses in speech are not open to freshmen.

Opportunity for practice outside of regular courses is to be found in university theatre productions and in inter-collegiate oratorical contests and debates.

Major: major in Speech is open only to candidates for the B.A. degree who are definitely accepted by the department. The department requirement is 124 credits with a minimum of 34 credits in Speech. For teaching major see p. 97.

Minor. A minimum of 14 credits in courses approved by the chairman of the department.

Requirements for higher degrees in this department are explained in the Graduate Bulletin and in this catalog under the heading, "Graduate School."

The University Theatre. This well-equipped little theatre managed by the department provides unusual facilities for training students in acting and in

producing plays. A number of plays are staged each semester. Mr. Troutman and staff.

SPEECH CLINIC. This clinic, open throughout the university year and free to all students, offers expert guidance and assistance in all kinds of voice and speech disorders. It is open fifteen to eighteen hours a week, making it possible for any student to get whatever treatment he needs. Mr. West and staff.

FOR UNDERGRADUATES

1. FUNDAMENTALS OF SPEECH. I, II; 3 cr. Open to all students except freshmen. Mr. Ewbank and staff.

2. FUNDAMENTALS OF SPEECH. I, II; 3 cr. Continuation of Speech 1 which is prerequisite. Mr. Ewbank, Mr. Weaver.

3. ARGUMENTATION AND DEBATE. I, 3 cr. Open to all students except freshmen. Counts toward the English major. Mr. Ewbank.

4. ARGUMENTATION AND DEBATE. II; 3 cr. Continuation of Speech 3, which is prerequisite. Counts toward the English major. Mr. Ewbank.

8. EXTEMPORTE SPEAKING. I, II; 2 cr. Open to all students except freshmen. Does not serve as a prerequisite to any other course. Mr. Barnes and staff.

13. ADVANCED PUBLIC SPEAKING. I, II; 2 cr. Prerequisite: Speech 2. Mr. Barnes.

16. DRAMATIC EXPRESSION. Yr; 2 cr. Prerequisite: Speech 2. Miss Johnson.

18. INTERPRETATIVE READING. I, II; 2 cr. Lecture and prescribed reading. Non-technical. Open to all students except freshmen. Miss Johnson.

19. DRAMATIC PRODUCTION. II; 3 cr. Prerequisite: Junior standing. Mr. Troutman.

21. VOICE TRAINING. I, II; 2 cr. Prerequisite: Speech 2. Miss Johnson, Mr. West.

25. CORRECTION OF SPEECH DISORDERS. I, II; 3 cr. Prerequisite: Psychology 1. Mr. West.

105. SPEECH COMPOSITION. I; 3 cr. Prerequisite: Speech 2 or 4, or one year of English composition after freshman year. Counts toward the English major. Not offered 1927-28.

110. FORMS OF PUBLIC ADDRESS. II; 3 cr. Open only to graduate students not majoring in speech. Not given 1927-28. Mr. Ewbank.

117. THEORY OF ORAL READING. Yr; 2 cr. Open only to graduate students in speech and senior majors in speech who secure permission of the instructor. Miss Johnson.

119. Advanced Dramatic Production. Yr; 2 cr. Open only to speech majors and minors and to graduate students. Mr. Troutman.

121. Voice Science. II; 3 cr. Prerequisite: Speech 2. Mr. Weaver.

125. Advanced Correction of Speech Disorders. I; 3 cr. Prerequisite: Speech 2 and 25. Mr. West.

126. Advanced Correction of Speech Disorders. II; 3 cr. Prerequisite: Speech 2 and 25. Mr. West.

140. Stage Design (Applied Arts 140). II; 2 cr. Prerequisite: Speech 19 or graduate standing in Speech. Offered for the first time in 1928-29. Mr. Varnum.

141. Psychology of Speech. I; 3 cr. Prerequisite: Speech 2 and Psychology 1. Mr. Weaver.

155. Rhetorical Theory. II; 3 cr. Not given 1927-28. Mr. Ewbank.

185. Introduction to Phonetics. I; 3 cr. Mr. Hanley.

186. Advanced Phonetics. II; 3 cr. Offered 1927-28 and in alternate years. Mr. Hanley.

190 (396). Seminary in Teachers' Problems. Yr; 2 cr. Open only to graduates and senior majors and minors in speech. Miss Borchers.

FOR GRADUATES

200. Introduction to Graduate Study in Speech. I; 1 cr. Required of all students beginning graduate work in this department. Mr. Weaver.

205. Seminary in Rhetoric and Oratory. Yr; 2 cr. Miss Borchers.

210. Research. Yr; * cr. Mr. Weaver.

219. Seminary in Dramatic Production. I; 2 cr. Offered for the first time in 1928-29. Mr. Troutman.

220. Seminary in the Theory of Oral Interpretation. II; 2 cr. Offered for first time in 1928-29. Miss Johnson.

227. Seminary in Speech Correction. Yr; 2 cr. Mr. West.

ZOOLOGY

Professor Guyer
Associate Professors Hisaw, Marshall, Wagner
Assistant Professors Herrick, Noland; Lecturer Juday
Research Associate Lepkovsky
Instructors Hintze, Sayle, Weichert, Wolf
Assistants Beams, Bilstad, Gumbreck, Goldsmith, Hamre, Henshaw, Hiestand, Leonard, Morrison, Rimsky-Korsakoff, Rogers, Ruth, Shapiro, Sherwood, Tressler, Wu, Wright
Research Assistants Claus, Martin, Meyer
Fellow Wimmer

Major: 30 credits, including thesis and ordinarily: Botany 1, Zoology 1a, 1b, 9, 102, 104, and 105.

For the advanced courses, training in chemistry and ability to read French and German are desirable. Medical students will find courses 6, 104, 105, 111, 118, and 119 of special interest. Agricultural students will find courses 6, 9, 104, 110 to 113, 118, and 119 of special interest.

1a. General Zoology. I; 5 cr. (Zoology 1a and 1b combined, or Zoology 1a or 1b combined with Botany 1, satisfy the natural science requirement.) Lab. fee, $5.00; deposit $1.00. Mr. Wagner and staff.

1b. Animal Biology. II; 5 cr. (Combined with Botany 1 or Zoology 1a, this course satisfies the natural science requirement.) Lab. fee, $5.00; deposit $1.00. Mr. Guyer, Mr. Noland, and staff.

3. Elementary Zoology. I; 3 cr. For agricultural and physical education students. Lab. fee, $4.00, deposit $1.00. Mr. Herrick and staff.

6. Heredity and Eugenics. I; 2 cr. Mr. Guyer. (For other courses in heredity see Zoology 107, 115; Botany 156; Genetics 102 to 121.)

9. Elementary Entomology. II; 3 cr. Lab. fee, $2.50; deposit, $.50. Mr. Marshall.

90 (310). The Teaching of Zoology. I; 2 cr. Miss Weber.

100. Thesis. Yr; 2 cr. Staff.

FOR UNDERGRADUATES AND GRADUATES

102. Invertebrate Zoology. I; 5 cr. Prerequisites: Zoology 1a, 1b, or 3. Lab. fee $5.00; deposit $.50. Mr. Noland.

103. The Vertebrates. II; 2 cr. Prerequisite: Zoology 1a, 1b, or 3. Mr. Wagner.

104. Comparative Anatomy of Vertebrates. II; 5 cr. Prerequisites: Zoology 1a, 1b, or 3. Lab. fee $7.00; deposit $.50. Mr. Wagner and staff.

105. Vertebrate Embryology; Embryogeny. I; 3 cr. Prerequisites: Zoology 1a, 1b, or 3. Lab. fee $4.00; deposit $.50. Mr. Hisaw.

107. Organic Evolution. II; 2 cr. Mr. Wagner.

108. Protozoology. I; 3 cr. Prerequisites: Zoology 1a, 1b, or 3. Lab. fee $2.00; deposit $.50. Mr. Noland.

109. Vertebrate Embryology; Organogeny. II; 2 cr. Prerequisite: Zoology 105 or Anatomy 115. Lab. fee $5.00; deposit $.50. Mr. Hisaw.

110. Entomology: Anatomy and Embryology, I; 3 cr. Lab. fee $3.00; deposit $.50. Mr. Marshall.

111. Microscopic Anatomy and Micro-technique. I; 2 cr. Lab. fee $10.00; deposit $.50. Mr. Hisaw.

112. Insects and Man. I; 2 cr. Mr. Marshall.

113. Microscopic Anatomy; Organology. II; 3 cr. Prerequisite: Zoology 1a, 1b, or 3, and 111. Lab. fee, $10.00; deposit $.50. Mr. Hisaw.

114. Anatomy and Physiology of the Cell; Non-developmental Phenomena. I; 2 cr. Prerequisites: Chemistry 1 and Zoology 105 or 111. Mr. Guyer.

115. The Cell in Development and Inheritance. II; 2 cr. Prerequisite: Zoology 105. Mr. Guyer.

116. Cytology. Yr; 3 cr. Laboratory. Prerequisite: Zoology 111. Lab. fee $6.00 per semester. Mr. Guyer.

117. Animal Ecology and Natural History. II; 2 or 4 cr. Prerequisite: Zoology 1a, 1b, or 3. Mr. Noland.

118. Mammalian Anatomy. I; 3 cr. Prerequisites: Zoology 1a, 1b or 3. Lab. fee $4.00; deposit $.50. Mr. Wagner.

119. Animal Parasites. II; 3 cr. For medical and agricultural students and those interested in the problems of public health. Veterinary students may take the laboratory work alone for two credits. Lab. fee $4.00; deposit $.50. Mr. Herrick.

120. Advanced Parasitology. I; 2 cr. Prerequisite: Zoology 119. Practical work, from the public health point of view, on the identification and life histories of parasites and diagnosis of parasitic diseases. Lab. fee $4.00; deposit $.50. Mr. Herrick.

123. Advanced Entomology. Yr; *cr. For students who desire to continue some special line of work. Mr. Marshall.

124. Limnology. I; 2 cr. Mr. Juday.

125. Plankton Organisms. II; 2 cr. A continuation of Zoology 124, with field work. Mr. Juday.

FOR GRADUATES

220. Seminary. Yr; 2 cr. Mr. Guyer.

228. Research. Yr; *cr. Staff.

COLLEGE OF ENGINEERING

F. E. Turneaure, Dean, Professor of Engineering

ORGANIZATION OF THE COLLEGE

The College of Engineering is organized in the belief that a thorough-going fundamental training is the first essential to a successful engineer, but that this fundamental training may be best secured not alone by theoretical study, but by giving attention as well to the practical application of the principles involved. It is further a leading thought that after the fundamental principles have been mastered, a certain measure of specialization in the main lines of engineering is advisable. In carrying out this plan the mathematical and theoertical courses are made strong in the earlier years, and a limited number of professional courses are given in the later years, while drawing and shop courses continue progressively from the beginning to the end. Engineering students are urged to take their elective work in foreign language, advanced English, economics, public speaking, and other subjects of a general rather than a technical nature.

Copies of the Engineering Bulletin, giving detailed information, may be obtained upon application to the Registrar of the University.

REQUIREMENTS FOR ADMISSION

The general requirements for admission are discussed in Part III of this catalog, beginning with page 40.

PREPARATION IN ALGEBRA FOR ENGINEERS

All students entering the College of Engineering will be tested in algebra by class work and by an examination given shortly after the beginning of the first semester. It is essential that students in the engineering courses shall possess a good working knowledge of algebra *at the beginning of their course,* and it is the purpose of the test to secure this by requiring a review of the subject shortly before entering the University. Students failing in the test are not permitted to continue with regular freshman mathematics, but are required to take a review of preparatory algebra during the first semester. A special course, for which no university credit is given, is provided for this purpose.

FACULTY ADVISERS

At the beginning of each semester the students consult their faculty advisers as to the selection of subjects and the arrangement of programs. These advisers keep in touch with the students' work during the semester, receive reports from instructors as to progress, suggest methods for improvement in work, and report gross deficiencies to parents or to the Faculty.

Reports to parents or guardians on the scholastic standing of students are sent from the Registrar's office at the end of each semester.

GRADE-POINT SYSTEM

Under the grade-point system points are awarded as follows: For grade A (*excellent*), three points for each credit; for grade B (*good*), two points; for grade C (*fair*), one point; for grade D (*poor*), no points. In the College of Engineering at least 146 grade-points and 146 credits, exclusive of freshman lecture and physical education or military science, are required for graduation from any one of the four-year courses. No student will be recommended for the degree of Bachelor of Science who does not earn at least one grade-point per credit during the last two semesters of his attendance at the University.

HONORS

Honors and high honors are awarded at the end of the sophomore year and at graduation.

Sophomore Honors and Sophomore High Honors are awarded on the basis of a minimum of two years' work (not less than 60 credits, exclusive of physical education, military science, and freshman lectures) completed in residence in the University. A student securing during those two years 135 points, plus 1.5 points for each credit above 60 which he has taken, will be awarded Sophomore Honors; a student securing during these two years 165 points, plus 2 points for each credit above 60 which he has taken, will be awarded Sophomore High Honors.

Honors and High Honors at Graduation. Students having an average between 2.25 and 2.75 points per credit at graduation, will be awarded Honors. Students having an average of 2.75 or more points per credit will be awarded Senior High Honors.

FRESHMAN LECTURES

The college has provided for a course of lectures for freshmen at which attendance is required. In the lectures of this course the aim is to give the student a more adequate conception of the work of the engineer, to make clearer the kind of training which furnishes the best preparation for the practice of the engineering profession, and to call attention to the methods of study which have been found to produce satisfactory results. The course also includes several lectures on subjects of more general interest.

FEES AND EXPENSES

See section on Student Expense, page 21.

EQUIPMENT

BUILDING

The main building of the College of Engineering contains offices, recitation and drawing rooms, the engineering library, and laboratories for work in steam and gas engineering and for the testing of materials. A second building contains the electrical laboratories; a third, the various departments for shop instruction; a fourth, the laboratories for chemical engineering; a fifth, the hydraulic laboratory; and a sixth, the mining building, the ore dressing metallurgical and assaying laboratories.

LIBRARIES

For a general account of library facilities of the University see page 10.

The engineering library is housed in the main engineering building, where reading-room facilities are provided for about one hundred students. The collection of technical books is very complete and includes files and current numbers of about two hundred and fifty periodicals.

LABORATORIES AND APPARATUS

THE BRIDGE ENGINEERING DEPARTMENT owns several autographic extensometers and a deflectometer for determining bridge stresses under moving train loads. The department also possesses a large number of photographs, drawings, and lantern slides illustrating details, erection methods, and complete structures of a great variety of designs.

THE CHEMICAL ENGINEERING LABORATORIES are located in the Chemical Engineering Building.

All the standard forms of analytical apparatus, calorimeters, meters, and furnaces are provided for instruction and research in the technical analysis of gases and fuels.

For practice in the manufacture of chemicals and the study of unit operations like distillation, evaporation, gas absorption, crushing and grinding, magnetic separation, calcining and roasting, and extraction, there are both adequate machines and laboratory space.

The applied electrochemistry equipment comprises a great variety of equipment in addition to a complete electroplating room. The electric furnace laboratory is supplied with power from three 75 K.V.A. transformers.

Resistance thermometers, thermocouples, and optical pyrometers are available for measuring high temperatures.

The metallography division is unusually well equipped with polishing machines, microscopes, photographic apparatus and dark rooms, furnaces, etc., for the study of the structure of metals and alloys and the effect of heat and mechanical treatments.

For the microscopic examination and identification of textiles, paper, leather, and other industrial products there are ample laboratory space, microscopes of various kinds, and other accessories.

THE ELECTRICAL LARORATORIES, comprising the dynamo, communications and circuits, photometric, electric standards, and high tension laboratories, are all

housed in one building and occupy a total floor area of approximately 12,000 square feet. The equipment is unusually complete and every facility is offered for efficient instructional and experimental work. Special equipment, including four modern electro-dynamometers, four oscillographs, a 300,000-volt transformer, vacuum tubes, etc., together with an excellent mechanical department which is available for the construction and repair of apparatus, makes important and effective research work possible.

THE ENGINEERING SHOPS afford excellent facilities for mechanical practice. There are six departments: Machine Shop, Forge Shop, Pattern Shop, Foundry, Carpenter Shop, and Welding Shop.

The Machine Shop has a well balanced and modern equipment for handling classes in elementary, advanced, and general shop work. Production methods are emphasized. Johansson blocks and other tools afford practice in modern measuring devices. An up to date tool room ensures an excellent condition of machines.

The Forge Shop is equipped with the latest design down-draft forges, and direct connected blast-exhaust unit. A steam hammer, shears, grind-stones, and hand tools form an adequate equipment.

The Pattern Shop has 24 wood lathes, with sets of turning tools, and standard individual work benches with the necessary tools for general pattern making. Two band saws, two jointers, a circular saw, a surfacer, and three combination sanders form part of the machine equipment.

The Foundry is equipped with a 36-inch cupola, brass furnace, core oven, molding machines, 24 individual molding benches with sets of tools, and motor driven riddle.

The Carpenter Shop is well equipped for the needs of agricultural carpentry.

The Welding Shop has several standard sets of welding equipment and three electric arc welders.

THE HYDRAULIC LABORATORY, which occupies its own building, is located on the shore of Lake Mendota. The facilities, therefore, are especially good for studying problems where large quantities of water under low heads are required. A 220,000 gallon concrete reservoir 60 feet above the laboratory on the bluffs supplies water under very steady heads. The University water works pumping station and pressure storage tank house, which immediately adjoins the hydraulic laboratory, provides a water supply under heads up to about 170 feet. The laboratory is unusually well equipped. It has a thirty-inch centrifugal pump furnishing up to 35,000 gallons per minute, five concrete measuring chambers with a total capacity of about 10,000 cubic feet, various weir boxes and weirs, pipes of different materials and sizes, Venturi, and meters of disc and piston type, turbines, overshot, and tangential wheels, pumps of various types, including two air lift pumps, hydraulic rams, and a full supply of apparatus designed for experimental purposes.

THE MINING AND METALLURGICAL BUILDING houses the assay laboratories, ore dressing laboratories, metallurgical laboratories, and clay laboratory.

The assay laboratories contain furnaces, desk and grinding equipment for fire assaying; chemical laboratory for wet assaying, and a complete line of balances for both wet and fire assaying specially mounted and housed in a special balance room.

The ore dressing laboratories are equipped with crushing, grinding, and sizing apparatus, jigs and tables of various types, flotation equipment, magnetic separators, and amalgamating units. Facilities for advanced research in ore dressing are provided.

The metallurgical laboratories contain special types of furnaces and testing apparatus, a cyanide plant, and equipment for electrolytic reduction of base metal ores. Instruments and equipment for carrying on advanced research work are provided, including primary pyrometric standards. The most exact metallographic and other special equipment, which has been developed for special research relating to slags and the study of metallurgical reactions is provided.

The clay laboratory contains crushing and molding machines, driers, and kilns.

A mechanic is in attendance to prepare special apparatus for research.

THE STEAM AND GAS ENGINEERING LABORATORY—All of the equipment of the laboratory is specially arranged for experimental work, and for demonstration of the principles discussed in the class room.

The more important steam driven units are a 25-kilowatt Curtis turbine, a 50 horsepower compound engine direct connected to a two stage air compressor with intercooler between stages, and a complete refrigeration plant. The main unit of the refrigeration plant is a 15-ton direct-connected Corliss engine-driven ammonia-compressor. A 50-horsepower cross-compound poppet-valve engine is arranged for tests under a variety of conditions. The conditions may involve superheat, condensing, steam jacketing, or reheating.

The internal combustion engines range in size up to a 40-horsepower full Diesel type engine. This is a vertical single cylinder unit, and is a very modern piece of equipment. A 150-horsepower electro-dynamometer furnishes a most up-to-date method for testing automobile or truck engines. Several makes of automobile motors are available for tests. Extensive automatic devices are used in connection with the dynamometer unit. Other machines of interest are, a 25-horsepower semi-Diesel, and a 20-horsepower gas-producer unit. A 20-horsepower internal combustion engine is equipped for test with various fuels and different types of governing.

Heating and ventilating equipment is available for most any type of experiment. Air can be measured by a number of different methods. An air conditioner in the laboratory is capable of washing, cooling, humidifying, or dehumidifying air. An extensive arrangement is installed for determining the infiltration of air around doors and windows under various conditions of wind pressure. Types of windows, metal weather stripping, and even wall construction are all problems under investigation. A combined air and condensate pump is arranged for test. This pump is used on vacuum steam-heating systems for maintaining low pressures. A boiler for hot water heating system is arranged for testing either with oil burners or any kind of coal or coke.

Such stations as the University Central Heating Plant, the Capitol Heating Plant, the central station of the Madison Gas and Electric Company, and the City Water Works Plant are used in addition to actual laboratory equipment. Tests are run each year by the students at some of the above mentioned plants.

Excellent facilities are also provided for carrying on engineering research. Special equipment and assistance are offered to graduate students who wish to pursue advanced research.

THE SURVEYING LABORATORY contains all instruments needed for extensive triangulation, topographic, hydrographic, and railroad surveys, including aneriod barometers, base-line apparatus, compasses, current meters, heliotropes, levels, invar tape, pantographs, plane tables, planimeters, precise-levels, sextants, sounding apparatus, telemeters, theodolites, transits, etc.

THE ROAD MATERIAL TESTING LARORATORY contains a standard N. B. M. brick rattler of the latest type, a four-cylinder Deval abrasion machine, a Page impact machine for testing the toughness of a rock, a ball machine, a diamond drill, a diamond saw, and a standard impact machine for testing the cementing power of rocks.

Arrangements have been made with the State Highway Commission whereby special instruction is given to highway engineers on the analysis of bituminous materials, and excellent opportunities are offered for learning the usual laboratory tests on asphalts, tars, and oils. See Highway Engineering 103 and 104.

THE TESTING LABORATORY is supplied with a 600,000-pound hydraulic universal testing machine (designed in the laboratory) taking tension and compression specimens 10 feet and beams 20 feet long, a Riehlé torsion machine taking shafts 15 feet long and 3 inches in diameter, a 100,000-pound Johnson beam machine taking beams 18 feet long, seven Olson and Riehlé universal machines from 10,000 to 200,000 pounds capacity, a Thurston torsion machine, a Russell impact machine, a Deval abrasion machine, a Dorry abrasion machine, a standard brick rattler, hardness testers, several small beam and wire machines, a refrigerator and a gas furnace for freezing and heating tests, a Smith concrete mixer, and a good equipment for tests of cement and plain and reinforced concrete.

THE CEMENT LABORATORY contains a full supply of necessary apparatus for making standard tests; baths, recording thermometers, Boehme hammer, 1000-pound Riehlé and Fairbanks testing machines, etc.

THE FOREST PRODUCTS LABORATORY is conducted in co-operation with the work of the University, and offers unusual opportunities for engineering students to carry on advanced study and research pertaining to the utilization of forest products. The equipment of this laboratory is described under Forest Products Laboratory on page 375. Its completeness makes it possible to approximate commercial conditions much more closely than is done in the ordinary laboratory work.

The investigative work of the laboratory includes the following fields: (1) Timber Physics, (2) Timber Mechanics, (3) Wood Deterioration and Preservation, (4) Wood Technology, (5) Pulp and Paper, (6) Chemistry of Wood, (7) Lumbering and Manufacture, (8) Glues, Veneers, and Plywood, and (9) Shipping Containers.

THE PAVING MATERIAL MUSEUM includes an excellent exhibit of paving supplies and samples of both old and new pavements, both foreign and domestic, for use in the courses in roads and pavements.

COURSES OF STUDY AND DEGREES

The College of Engineering offers five systematic four-year courses leading to the B.S. degree:

Civil Engineering.
Mechanical Engineering.
Electrical Engineering.
Chemical Engineering.
Mining Engineering.

Students who complete any of the above four-year courses are graduated with the degree of Bachelor of Science, the diploma containing a specific designation of the course taken.

The above courses may also be taken as five-year courses leading to the B.S. degree. The additional year makes it possible to include a large amount of work in the College of Letters and Science.

GRADUATE WORK

The graduate work in the College of Engineering is a part of the Graduate School of the University, and is in charge of an administrative committee. Excellent opportunities are offered in the various departments for advanced theoretical work and for research. A special fund is available to be devoted exclusively to experimental work in the engineering laboratories.

For admission to the Graduate School, an official transcript of the undergraduate record of the applicant should be forwarded to the Dean of the Graduate School, Bascom Hall, some weeks in advance of the opening of the session.

The degree of Master of Science (in civil engineering, mechanical engineering, etc.) is conferred upon graduates of approved institutions who have completed suitable undergraduate courses and pursue advanced professional study at the University for one year or more, present a satisfactory thesis, and pass an oral examination upon the field of their graduate work. For a complete statement of the requirements see Graduate School, page 324.

The degrees of Civil Engineer, Mechanical Engineer, Electrical Engineer, Chemical Engineer, Engineer of Mines, and Metallurgical Engineer are conferred upon graduates of the College of Engineering of the University of Wisconsin who have spent five years in professional work, at least one of which must have been in a position of responsibility, and who present a satisfactory thesis. For a complete statement of the requirements see Graduate School.

The degree of Doctor of Philosophy is conferred upon graduates of the engineering courses under the same requirements as apply to graduates of other divisions of the University. For a statement of these requirements see Graduate School.

SIX-YEAR COURSES LEADING TO THE B.A. DEGREE AND AN ENGINEERING DEGREE

By properly arranging their elective studies, students in the College of Letters and Science may secure the B.A. degree at the end of four years, and the B.S. degree in engineering in two additional years. These students will register in the College of Letters and Science during the first four years in residence. In order to complete the engineering course in two additional years, students should elect the following studies during their first four years.

Mathematics 51, 52, 54, and 55; Physics 1 or 51 and 52, (Electrical Engineers take Physics 53, 54, and 55), Chemistry 1 or 2; Mechanical Drawing 1, 2, and 3; Topographical Engineering 1, 2, 3, and 104, or Machine Design 1; Mechanics 1 and 2; Electrical Engineering 1 and 51; Chemical Engineering 12, 18, and 111.

It is well also to elect some or all of the freshman and sophomore shop work as an extra study.

GRADUATION IN MORE THAN ONE OF THE ENGINEERING COURSES

Graduates in any of the engineering courses may graduate in any other engineering course after one year of additional study. Students who contemplate doing this should, however, make their election, especially in the senior year, with this end in view.

SUMMER VACATION WORK

All engineering students are required to take summer vacation work in addition to the work of the four academic years. For civil engineering students this work consists of six weeks of field work (four weeks of topographic engineering and two weeks in railway engineering), following either the sophomore or the junior year. For mechanical engineers, the requirement consists of not less than six weeks of approved summer work in industrial practice. The electrical engineers are required to take six weeks of approved summer work in an engineering or industrial organization. The chemical engineers, at the close of the junior year, are required to work five weeks in the university laboratory on chemical manufacture. Mining engineers are required to spend a considerable portion of two summer vacations at work in different mining regions, and the metallurgical engineers a corresponding time in metallurgical work. The third summer is occupied by the mine inspection trip.

INSPECTION TRIPS

Inspection trips, for visiting industrial plants, are required of all engineering students during the junior and senior years. They are arranged and conducted by members of the faculty of the various departments and are designed to illustrate the work of the several courses.

The electrical and mechanical engineers take the trip in the autumn of the senior year. The trip takes a week's time and visits are made to plants in Milwaukee, Kenosha, Waukegan, Chicago, Buffington, and Gary.

The civil engineers visit the cities of Chicago and Milwaukee, the former in the spring of the junior year, the latter in the autumn of the senior year. Each of these trips takes three or four days.

The chemical engineers make a week's visit to Milwaukee, Chicago, and points near by in the spring of the junior year.

In the second semester of the freshman year, mining engineers take a trip to a mine in one of the nearer districts for the purpose of a complete mine survey, and while there make a complete inspection of the operation.

In metallurgy the students annually inspect the metallurgical works around Chicago, the trip lasting a week.

At the end of the junior year or, if advisable, just after their commencement, students in the courses in mining and metallurgy are required to take a long western inspection trip, visiting mining and metallurgical centers throughout the northwest. This trip lasts about six weeks.

THESES

In all courses, candidates for a second or a professional degree in engineering shall submit a thesis. The thesis requirements of the different courses in the College of Engineering pertaining to candidates for the B.S. degree are as follows

In the civil engineering course, a thesis is required. In the electrical, mechanical, and mining engineering courses a thesis is optional. In chemical engineering, a course in special problems replaces the thesis requirement.

If a thesis is taken, the subject of the thesis shall be selected by the student after consultation between the student, his adviser, and the instructor who is to direct the work, and it shall be submitted to the Course Committee for approval. The total number of credit hours granted for this work shall be not less than three nor more than five, except by special action. The thesis is to be typewritten according to specifications furnished by the librarian of the University, and before it is accepted must be approved by the instructor under whom the work has been done. It shall be deposited in the University Library by the Tuesday before Commencement.

OUTLINES OF ENGINEERING CURRICULA

CIVIL ENGINEERING COURSE

LEADING TO THE DEGREE OF BACHELOR OF SCIENCE ,
MECHANICAL ENGINEERING COURSE

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Math. 51—Elementary analysis	5	Math. 52—Elementary analysis	5
Drawing 1—Elements of drawing	3	Drawing 2—Elements of drawing	3
Chem. 2a—General chemistry	4	Chem. 2b—General chemistry	4
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Top. Engr. 1—Elementary surveying	2	Top. Engr. 2—Elementary surveying	2
Physical education or military science	0	Physical education or military science	0
Freshman lectures	0	Frshman lectures	0
	17		17

SOPHOMORE YEAR

Math. 54—Differential and integral calculus	4	Math. 55—Calculus	4
Physics 51—General physics	5	Physics 52—General physics	5
Drawing 3—Descriptive geometry	3	Mech. 1, 2—Statics, dynamics	5
Top. Engr. 3—Land surveying	3	Top. Engr. 104—Advanced surveying	3
Railway 1—Railway curves	2	Physical education or military science	0
Physical education or military science	0		
	17		17

JUNIOR YEAR

Mech. 3—Mechanics of materials	5	Mech. 52—Materials of construction	2
Mech. 51—Materials of construction	2	Hydr. 110—Hydrology	2
Hydr. 2—Elementary hydraulics	4	Railway 110—Masonry construction	2
Railway 2—Theory of location and construction	3	Struc. Engr. 2—Stresses in simple structures	4
Geol. 9—Engineering geology	3	Steam and Gas 7—Engines and boilers	2
Hydr. 108—Sewerage	2	Econ. 1a—Elements of economics	4
Engr. Engl. 1a—Papers and discussions.	1	Engr. Engl. 1b—Papers and discussions.	1
		Highway Engr. 102—Introduction to construction and maintenance	3
	20		20

Six weeks of summer camp, including two weeks of Railway Survey and four weeks of Topographic Engineering.

SENIOR YEAR

Struct. Engr. 3—Bridge design	3	Engr. Contr. 101—Contracts and specifications	2
Struct. Engr. 105—Reinforced concrete	3	Struct. Engr. 4—Bridge design	2
Steam and Gas 127—Laboratory	3	Elect. Engr. 10, 60—Direct current machinery	4
Hydr. 111—Water supply	3	Railway 111—Substructures	1
Engr. Engl. 2a—Papers and discussions.	1	Engr. Engl. 2b—Papers and discussions.	1
Thesis	1	Thesis	2-4
Electives	6	Electives	7-5
	19		19

REQUIREMENTS CONCERNING ELECTIVE STUDIES

At the beginning of the junior year, the students must elect to pursue one of the following groups of studies:

STRUCTURAL OPTION

JUNIOR YEAR

Min. Engr. 124—Metallurgy of iron and steel 2

Min. Engr. 124—Metallurgy of iron and steel (repeated)..... 2

SENIOR YEAR

Struct. Engr. 3—Bridge design, additional 1
Struct. Engr. 107—Higher structures..... 2

Struct. Engr. 4—Bridge design (add'l). 1
Struct. Engr. 111—Reinforced concrete design 2
Struct. Engr. 108—Secondary stresses.... 2
or
Mech. 106—Advanced mechanics ..... (2)

Additional electives: Structural Engineering 106, 109, 112; Mechanics 108.

RAILWAY OPTION

Ten credits to be elected from the following group:

Railway Engr. 105—Engr. economics.... 2
Railway Engr. 107—Advanced design.... 2
Min. Engr. 101—Excavation and tunneling 3
Econ. 135—Transportation utilities 3
Econ. 136—Railway rate and traffic problems 3
Elec. Engr. 129—Electric railways..... 3

Railway Engr. 107—Advanced design (repeated) 2
Railway Engr. 112—Estimates..... 2
Econ. 135—Transportation utilities (repeated) 3
Econ. 136—Railway rate and traffic problems (repeated) 3

HYDRAULIC OPTION

Hdyr. 102—Hydraulic mach. test..... 2
Hydr. 104—Water power engineer..... 3
Hydr. 113a—Hydraulic design 2

Hydr. 105—Hydraulic machinery 2
Hydr. 112—Drainage and irrigation 2
Hydr. 113b—Hydraulic design 2

MUNICIPAL OPTION

City Plan. 101—City planning and zoning. 2
Hydr. 107—Water and sewage analysis.. 2
Hydr. 106—Sewage and garbage disposal. 1

City Plan. 101—City planning and zoning (repeated) 2
Hydr. 112—Drainage and irrigation..... 2

HIGHWAY OPTION

Highway Engr. 103—Seminary..... 3
Highway Engr. 104—Testing road materials 3
City Plan. 101—City planning and zoning 2

Highway Engr. 104—Testing road materials (repeated) 3
Struct. Engr. 112—Highway bridges 2
City Plan. 101—City planning and zoning (repeated) 2

GENERAL OPTION

All electives are free, excepting that not more than half can be taken in the department providing special optional groups.

MECHANICAL ENGINEERING COURSE

LEADING TO THE DEGREE OF BACHELOR OF SCIENCE,

MECHANICAL ENGINEERING COURSE

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Math. 51—Elementary analysis	5	Math. 52—Elementary analysis	5
Drawing 1—Elements of drawing	3	Drawing 2—Elements of drawing	3
Chem. 2a—General chemistry	4	Chem. 2b—General chemistry	4
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Shop. 1, 2, 3—Elementary shopwork	2	Shop. 4, 5—Lathe work, planing, milling.	2
Physical education or military science	0	Physical education or military science	0
Freshman lectures	0	Freshman lectures	0
	17		17

SOPHOMORE YEAR

Math. 54—Differential and integral calculus	4	Math. 55—Calculus	4
Physics 51—General physics	5	Physics 52—General physics	5
Mach. Design 1—Mechanism	4	Drawing 3—Descriptive geometry	3
Shop 6, 13—Tool making and foundry practice	3	Mach. Design 2—Design practice	1
Physical education or military science	0	Mech. 1, 2—Statics, dynamics	5
		Physical education or military science	0
	16		18

The equivalent for four credits for industrial practice; see shop 10.

JUNIOR YEAR

Mech. 3—Mechanics of materials	5	Steam and Gas 22—Elem. testing	2
Mech. 53—Materials of construction	2	Steam and Gas 2—Thermodynamics	4
Steam and Gas 1—Thermodynamics	4	Hydr. 1—Elementary hydraulics	3
Mach. Design 3—Machine elements	4	Mach. Design 4—Advanced design	4
Shop 7—General workshop	2	Mach. Design 12—Machine testing	2
Electives	3	Elect. Engr. 6—Electrical machinery	3
		Elect. Engr. 56—Direct current laboratory	2
	20		20

SENIOR YEAR

Steam and Gas 105—Calculations	2	Steam and Gas 106—Calculations	2
Steam and Gas 23—Advanced testing	2	Engr. Admin. 106—Power plant economics and design	3
Engr. Admin. 101—Construction	3	Engr. Admin. 102—Production and operation	3
Elect. Engr. 7—Electrical machinery	3	Steam and Gas 124—Advanced commercial testing	1
Elect. Engr. 57—Alternating current laboratory	2	Shop 9—Advanced pattern making and foundry practice	1
Engr. Admin. 105—Manufacturing production methods	2	Chem. Engr. 8—Metallography	2
Electives	5	Thesis and electives	7
	19		19

It is recommended that the other electives be on subjects not closely related to technical engineering work except in the case of Engr. Admin. 104. However, should the student desire to select his electives in the Engineering College, the following are suggested for preliminary consideration:

Struct. Engr. 10—Structural design..... 2
Chem. Engr. 119a—Metallurgy 3
Aeronautics 1 2
Top. Engr. 108—Short course in surveying 3
Mining 124—Metallurgy of iron and steel 3
Steam and Gas 108—Heating and ventilating 3
Steam and Gas 109—Gas and gasoline engines 2
Engineering English and Engineering Journalism 1
City Plan. 101—City planning and zoning 2
Agricultural Engineering 2-3

Struct. Engr. 10—Structural design (repeated) 2
Aeronautics 2 2
Top. Engr. 108—Short course in surveying (repeated) 3
Mining 124—Metallurgy of iron and steel (repeated) 3
Steam and Gas. Engr. 108—Heating and ventilating (repeated) 3
Engineering English and Engineering Journalism 1
City Plan. 101—City planning and zoning (repeated) 2
Agricultural Engineering 2-3

Electives must include Hyd. Engr. 104, Water power, 3 cr., first semester; or Hyd. Engr. 105, Hydraulic machinery, 2 cr., second semester. Other suggested electives are Engr. Admin. 103, Analysis of corporation reports 2 cr., first semester, recommended in connection with Engr. Admin. 101 and 102; Engr. Admin. 104, Advanced individual studies and thesis, 1 to 5 cr., not over 3 cr. per semester.

ELECTRICAL ENGINEERING COURSE

LEADING TO THE DEGREE OF BACHELOR OF SCIENCE, ELECTRICAL ENGINEERING COURSE

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Math. 51—Elemetary analysis	5	Math. 52—Elementary analysis	5
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Drawing 1—Elements of drawing	3	Drawing 2—Elements of drawing	3
Shop 1, 2, 3 or Speech 8	2	Speech 8 or Shop 1, 2, 3	2
Chem. 2a—General chemistry	4	Chem. 2b—General chemistry	4
Physical education or military science	0	Physical education or military science	0
Freshman lectures	0	Freshman lectures	0
	17		17

SOPHOMORE YEAR

Math. 54—Differential and integral calculus	4	Math. 55—Calculus	4
Physics 53—Mechanics and heat	3	Physics 54—Electricity, magnetism, and sound	3
Drawing 3—Descriptive geometry	3	Elect. Engr. 1—Fundamentals	4
Econ. 1a—Elements of economics	4	Elect. Engr. 51—Elementary laboratory.	2
*Non-professional elective	3	Shop 4, 5—Lathe work, planing, milling	2
Physical education or military science	0	Non-professional elective	3
		Physical education or military science	0
	17		18

*Top. Engr. 108 is recommended

Six weeks of approved summer experience in an engineering industrial organization, to be taken following either the sophomore or junior year.

JUNIOR YEAR

Mech. 1, 2—Statics, dynamics	5	Mech. 3—Mechanics of materials	5
Physics 55—Adv. electricity, magnetism	3	Steam and Gas 4—Thermodynamics	3
Steam and Gas 3—Thermodynamics	3	Steam and Gas 28—Elementary testing	2
Elect. Engr. 2—Direct current machinery	4	Elect. Engr. 3—Alternating current circuits and machinery	4
Elect. Engr. 52—Direct current laboratory	2	Elect. Engr. 53—Alternating current laboratory	2
Non-professional elective	3	Non-professional elective	3
	20		19

SENIOR YEAR

Elec. Engr. 4—Alternating current machinery	4	Physics 56—Adv. electricity and light	3
Elect. Engr. 54—Advanced laboratory	2	Contracts 101—Contracts and specifications	2
Steam and Gas 29—Advanced testing	1	Elect. Engr. 25—Seminar	2
Hydr. 1—Elementary hydraulics	3	or	
Mech. 53—Materials of construction	2	Mech. 53—Materials of construction	(2)
or		Mach. Design 5—Machine elements	3
Elect. Engr. 25—Seminar	(2)	Electives	9
Electives	7		
	19		19

ELECTIVES

Of the 28 elective credits, 10 may be elected without restriction; 12 must be elected in subjects which are non-professional in the sense that they are not prerequisite to more technical phases of engineering work,—in subjects such as economics, political and social science, history, literature, the languages, and the like; and 6 must be selected from the following group of electrical applications:

E. E. 127—Central stations	3	E. E. 104—Dynamo design	3
E. E. 122—Electric testing	3	E. E. 120—High tension insulation	3
E. E. 116—Electric circuits	3	E. E. 128—Central stations	3
E. E. 155—Electric amplifiers and oscillators	3	E. E. 130—Electric railways	3
E. E. 129—Electric railways	3	E. E. 137—Power distribution	3
E. E. 160—Advanced individual studies.		E. E. 133—Illumination and photometry.	3
Chem. Engr. 4—Applied electro-chemistry	3	E. E. 156—Telephony and telegraphy	3
		E. E. 154—Radio telegraphy	3
		E. E. 157—Radio circuit analysis and design	3
		E. E. 160—Advanced individual studies	
		E. E. 214—Advanced dynamo laboratory.	3

CHEMICAL ENGINEERING COURSE

LEADING TO THE DEGREE OF BACHELOR OF SCIENCE,
CHEMICAL ENGINEERING COURSE

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Math. 51—Elementary analysis	5	Math. 52—Elementary analysis	5
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Drawing 1—Elements of drawing	3	Drawing 2—Elements of drawing	3
Shop. 1, 2, 3—Elementary shopwork	2	Shop 4, 5—Lathe work, planing, milling.	2
Chem. 2a—General chemistry.	4	Chem. 2b—General chemistry	4
Physical education or military science	0	Physical education or military science	0
Freshman lectures	0	Freshman lectures	0
	17		17

SOPHOMORE YEAR

Math. 54—Differential and integral calculus	4	Math. 55—Differential and integral calculus	4
Chem. 14—Quantitative analysis	5	Mech. 1, 2—Statics, dynamics	5
Physics 51—General physics	5	Physics 52—General physics	5
Mach. Design 1—Mechanism	4	Chem. Engr. 12—Gas and fuel analysis.	2
Physical education or military science	0	Chem. Engr. 18—Engr. materials	2
		Physical education or military science	0
	18		18

JUNIOR YEAR

Mech. 3—Mechanics of materials	5	Steam and Gas 4—Thermodynamics	3
Steam and Gas 3—Elementary thermodynamics	3	Steam and Gas 25—Elementary testing	2
Chem. 120—Organic chemistry	3	Chem. 120—Organic chemistry	3
Chem. Engr. 117—Technical pyrometry	2	Chem. Engr. 111—Manufacturing operations	4
Chem. Engr. 119—Metalography	3	Mech. 54—Materials of construction	2
Electives (Economics recommended)	3	Electives	5
	19		19

Summer work, Chemical Engineering 114, Chemical manufacture, 4 credits.

SENIOR YEAR

Steam and Gas 26—Testing heat engines	1	Engr. Admin. 101—Construction or Contracts 101—Contracts and specifications	2 (2)
Elect. Engr. 8—Electrical machinery	3	Chem. Engr. 116—Calculations	2
Mach. Design 5—Machine elements	3	Chem. Engr. 115—Industrial chemistry	2
Chem. Engr. 101a—Applied electrochemistry	5	Chem. Engr. 122—Special problems	4
Chem. Engr. 115—Industrial chemistry	3	Chem. 30—Physical chemistry	3
Chem. Engr. 116—Chemical engr. calculations	2	Elect. Engr. 9—Electrical machinery	3
Electives	2	Electives	3
	19		19

COURSES IN MINING, METALLURGY, AND GEOLOGY

LEADING TO THE DEGREE OF BACHELOR OF SCIENCE, MINING ENGINEERING COURSE

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Math. 51—Elementary analysis	5	Math. 52—Elementary analysis	5
Drawing 1—Elements of drawing	3	Drawing 2—Elements of drawing	3
Chem. 2a—General chemistry	4	Chem. 2b—General chemistry	4
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Shop 1, 2, 3—Elementary shopwork	2	Shop 4, 5—Lathe work, planing, milling	2
or		or	
Top. Engr. 108—Elem. surveying and mapping	(3)	Mining 12—Mine surveying	(2)
Physical education or military science	0	Physical education or military science	0
Freshman lectures	0	Freshman lectures	0
	17-18		17

SOPHOMORE YEAR

Math. 54—Differential and integral calculus	4	Math. 55—Differential and integral calculus	4
Physics 51—General physics	4	Physics 52—General physics	4
Chem. 14—Quantitative analysis	5	Drawing 3—Descriptive geometry	3
Geol. 9—Engineering geology	3	Geol. 9—Engineering geology	3
Mining 101—Excavation and tunnelling	3	Mining 121—Assaying	2
Physical education or military science	0	Mining 122—General metallurgy	3
		Physical education or military science	0
	19		19

In order to best prepare the student for specialized work in one of the three special fields—mining, metallurgy, and economic geology—three options are offered from which he may select his major and minor studies at the beginning of his junior year.

MINING GROUP.

Mining and Metallurgy 103, 104, 105, 106, 107, 108, 109, 126.
Railways 104, Structural Engr. 10, Steam and Gas Engr. 3 and 4.
Electrical Engr. 8 and 9, Hydraulics 1, Geology 113, 115.
Economics 1a, 1b, 5, 137.

METALLURGY GROUP.

Mining and Metallurgy 122, 123, 124, 125, 126, 127, 128, 130, 131, 132, 133, 140. Structural Engr. 10, Steam and Gas Engr. 3 and 4, Electrical Engr. 8 and 9. Chemical Engr. 102, Economics 1a, 1b, 5, 137.

GEOLOGY GROUP.

The courses in Geology; Mining and Metallurgy 101, 103, 104, 107, 109, 124.

Typical junior and senior year elections are shown below for each of the three options. These outlines are suggestive only and may be carried within the general rule of major, minor, and free electives.

MINING OPTION

SUGGESTED SEQUENCE

JUNIOR YEAR

Mech. 1, 2—Statics, dynamics	5	Mech. 3—Mechanics of materials	5
Geol. 6—Mineralogy	5	Mech. 53—Materials of construction	2
Mining 103—Mining methods	3	Geol. 6—Mineralogy	5
Steam and Gas 3—Thermodynamics	3	Mining 103—Mining methods	3
Econ. 1a—General economics	4	Steam and Gas 4—Thermodynamics	3
	20		18

Summer work, Western trip, inspection of mining and metallurgical operations, 6 weeks.

SENIOR YEAR

Mining 104—Mine valuation	2	Mining 105—Mine engineering	3
Mining 105—Mine engineering	3	Mining 109—Mine smelter and administration	2
Mining 107—Ore dressing	5	Struct. Engr. 10—Structural design	2
Struct. Engr. 10—Structural design	2	Elect. Engr. 9—Electrical machinery	3
Elect. Engr. 8—Electrical machinery	3	Econ. 137—Corporation finance	3
Econ. 5—Money and banking	3	Geol. 113—Mineral resources	5
	18		18

METALLURGICAL OPTION

SUGGESTED SEQUENCE

JUNIOR YEAR

Mech. 1, 2—Statics, dynamics	5	Mech. 3—Mechanics of materials	5
Steam and Gas 3—Thermodynamics	3	Mech. 53—Materials of construction	2
Economics 1a—General economics	4	Economics 1b—General economics	4
Mining 123—Fire metallurgy of copper, lead, and zinc	3	Steam and Gas 4—Thermodynamics	3
Mining 133—Fire metallurgy lab	3	Mining 124—Metallurgy of iron and steel	3
	18		17

Summer work, Western trip, inspection of mining and metallurgical operations, 6 weeks.

SENIOR YEAR

Mining 130—Physical chemistry of metals	3	Mining 128—Iron and steel laboratory	5
Mining 107—Ore dressing	5	Mining 109—Mine and smelter administration	2
Mining 127—Hydrometallurgy	2	Mining 132—Manufacture of coke	2
Mining 131—Foundry metallurgy	2	Chem. Engr. 102—Electric furnaces	4
Struct. Engr. 10—Structural design	2	Struct. Engr. 10—Structural design	2
Elect. Engr. 8—Electrical machinery	3	Elect. Engr. 9—Electrical machinery	3
Econ. 5—Money and banking	3		
	20		18

GEOLOGY OPTION

SUGGESTED SEQUENCE

JUNIOR YEAR

Mech. 1, 2—Statics, dynamics	5	Mech. 3—Mechanics of materials	5
Geol. 6—Mineralogy	5	Geol. 6—Mineralogy	5
Mining 103—Mining methods	3	Mining 103—Mining methods	3
Geol. 115—Metamorphic geology	3	Geol. 115—Metamorphic geology	3
Econ. 1a—Elements of economics	4	Mech. 53—Materials of construction	2
		Geol. 123—Oil geology	2
	20		20

Summer work, Western trip, inspection of mining and metallurgical operations, 6 weeks.

SENIOR YEAR

Mining 104—Mine valuation	2	Mining 109—Mine and smelter administration	2
Geol. 114—Structural geology	5	Geol. 113—Economic aspects of geology	5
Geol. 113—Economic aspects of geology	5	Geol. 118—Lake Superior geology	2
Geol. 108—Petrology	5	Geol. 108—Petrology	5
		Mining 124—Iron and steel metallurgy	3
	17		17

DEPARTMENTS OF INSTRUCTION

The announcements of Chemistry, English, Geology, Mathematics, and Physics will be found under the College of Letters and Science.

Abbreviations used in the announcement of courses:

Yr—a continuous course extending through two semesters
I—course given during the first semester
II—course given during the second semester
I, II—semester course given each semester
cr—number of credit hours per semester

Courses numbered from 1 through 100 are open for credit to undergraduates only; from 101 to 199 to both undergraduates and graduates; over 200 to graduates only, or very exceptionally to advanced undergraduates.

The unit of reckoning the credit is one hour of classroom work per week. Two hours of drawing, laboratory, field, or shopwork (which require little outside preparation) count as one hour of classroom work.

AERONAUTICS

Professor Maurer; Associate Professor L. A. Wilson.

1. Aeronautics. I; 2 cr. Prerequisite: Mechanics 2.

2. Aeronautics. II; 2 cr. Prerequisite: Mechanics 3. Not given 1927-28.

CHEMICAL ENGINEERING

Professor Kowalke (Chairman)
Associate Professors Hougen, Watts
Assistant Professor Ragatz
Instructors Krombholz, Reiter, Watson
Fellows Brabender, Colburn

FOR UNDERGRADUATES

4. Applied Electrochemistry. I; 3 cr. Short course for juniors and seniors; not open to chemical engineers. Lab. fee $6.00. Not given 1927-28. Mr. Watts.

8. Metallography for Mechanical Engineers. II; 2 cr. Lab. fee $6.00, deposit $1.00. Mr. Ragatz, Mr. Krombholz.

12. Fuel and Gas Analysis. I, II; 2 cr. Prerequisites: Chemistry 11 or 14, Physics 1 or 51. Lab. fee $6.00. Mr. Watson, Mr. Reiter.

15. Industrial Chemistry. I; 3 cr., II; 2 cr. Prerequisites: Chemistry 120 or concurrent registration. For students majoring in Chemistry or enrolled in the Chemistry or Chemistry-Commerce Courses. Mr. Hougen.

18. Engineering Materials. II; 2 cr. Prerequisite: Chemistry 2. Mr. Watts.

23. Chemical Factory Apparatus. II; 2 cr. Not open to chemical engineers. Mr. Hougen.

FOR UNDERGRADUATES AND GRADUATES

101a. Applied Electrochemistry. I; 5 cr. Lab. fee $6.00. Mr. Watts, Mr. Krombholz.

101b. Applied Electrochemistry. II; 1 or more cr. Lab. fee $3.00 per cr. Mr. Watts.

102. Electric Furnaces. II; 4 cr. Lab. fee $8.00. Mr. Watts.

111. Manufacturing Operations. II; 4 cr. Prerequisites: Physics 52, Math. 55, Steam and Gas 3. Mr. Kowalke.

113. Gas Manufacture and Distribution. I; 2 cr. Prerequisite: Junior standing. Mr. Kowalke.

114. Chemical Manufacture. 4 cr. Prerequisites: Chemistry 14, Chem. Eng. 111. Required of chemical engineers in summer session. Lab. fee $12.00. Mr. Kowalke.

115. Industrial Chemistry. I; 3 cr. II; 2 cr. Prerequisites: Chem. Eng. 111, Chemistry 120 or concurrent registration. For chemical engineers and graduates. Mr. Kowalke.

116. Chemical Engineering Calculation. Yr; 2 cr. Prerequisites: Physics 51, Chem. Eng. 111. Mr. Hougen.

117. Technical Pyrometry. I; 2 cr. Prerequisite: Physics 52. Lab. fee $6.00. Mr. Reiter, Mr. Watson.

119a. Metallography. I; 3 cr. Prerequisite Physics 1 or 51. Lab. fee $6.00, deposit $1.00. Mr. Ragatz, Mr. Krombholz.

119b. Metallography. II; cr. to be arranged. Lab. fee $3.00 per cr. Mr. Ragatz.

122. Special Problems. II; 4 cr. Lab. fee $9.00. Prerequisites: Chem. Eng. 101, 111, 117, 119. Staff.

124. Industrial Microscopy. I; 3 cr. Prerequisites: Chemistry 120, Physics 51. Lab. fee $6.00. Mr. Hougen.

FOR GRADUATES

230. Research. Credit to be arranged. Lab. fee $3.00 per cr. Mr. Kowalke, Mr. Watts, Mr. Hougen, Mr. Ragatz.

231. Seminary. Yr; 2 cr. Mr. Kowalke.

CITY PLANNING

See Highway Engineering and City Planning.

DRAWING

PROFESSOR MILLAR
ASSOCIATE PROFESSOR ORTH (Chairman)
ASSISTANT PROFESSORS LIVERMORE, SHIELS
INSTRUCTORS BALDWIN, DOKE, GRIFFITH, WERRELL, WORSENCROFT

FOR UNDERGRADUATES

1. ELEMENTS OF DRAWING. I, II; 3 cr. Lab. fee 50 cents. Mr. Orth, Mr. Baldwin, Mr. Doke, Mr. Griffith, Mr. Livermore, Mr. Werrell, Mr. Worsencroft.

2. ELEMENTS OF DRAWING. II; 3 cr. Prerequisite: Drawing 1. Lab. fee 50 cents. Mr. Orth and staff.

3. DESCRIPTIVE GEOMETRY. I, II; 3 cr. Prerequisites: Drawing 1, 2. Mr. Millar, Mr. Orth, Mr. Shiels, Mr. Livermore.

4. FREEHAND LETTERING. I, II; 1 cr. Prerequisites: Drawing 1, 2. Mr. Baldwin.

7a. ADVANCED FREEHAND LETTERING. I, II; 1 or 2 cr. Construction and composition of Classic Roman capitals, "lower case" letters, English Gothic, black letter, and modern script. Special emphasis given to the choice of lettering stlyes in advertising design. Prerequisite: Drawing 1. Mr. Baldwin.

7b. ADVANCED FREEHAND LETTERING. II; 1 or 2 cr. Continuation of Course 7a, which is prerequisite: Mr. Baldwin.

ELECTRICAL ENGINEERING

PROFESSORS BENNET (Chairman), JANSKY, ROOD
ASSOCIATE PROFESSORS PRICE, WATSON
ASSISTANT PROFESSORS KELSO, MEYERS, PETERS
INSTRUCTORS ANDREE, EVANS, JOHNSON, KOEHLER, KUBIAK, LARSON, SWARNER, TRACY
FELLOWS TOBEY (Railway Fellowship, Wisconsin Utilities), GAMBLE (Electrical Fellowship, Wisconsin Utilities); RESEARCH FELLOWS BENEDICT, TEARE

FOR UNDERGRADUATES

1. FUNDAMENTALS OF ELECTRICAL ENGINEERING. I, II; 4 cr. Introductory course for sophomore electrical engineers. Prerequisites: Physics 53, Math. 54. Mr. Watson, Mr. Evans, Mr. Kubiak.

2. DIRECT CURRENT MACHINERY, CONSTRUCTION AND OPERATION. I, II; 4 cr. Prerequisite: E.E. 1. Mr. Watson, Mr. Andree, Mr. Larson.

3. Alternating Current Circuits and Machinery. II; 4 cr. Prerequisite: E.E. 2. Mr. Price, Mr. Watson, Mr. Tracy.

4. Alternating Current Machinery. I; 4 cr. A continuation of E.E. 3. Mr. Price, Mr. Watson, Mr. Tracy.

6. Electrical Machinery. II; 3 cr. Direct current machinery. Primarily for mechanical engineers. Prerequisite: Physics 52. Mr. Kelso.

7. Electrical Machinery. I; 3 cr. Alternating current theory and machinery. Primarily for mechanical engineers. Prerequisite: E.E. 6. Mr. Kelso.

8. Electrical Machinery. I; 3 cr. Direct current machinery. Primarily for mining and chemical engineers. Prerequisite: Physics 52. Lab. fee $3.00. Mr. Meyers.

9. Electrical Machinery. II; 3 cr. Alternating current machinery. Primarily for mining and chemical engineers. Prerequisite: E.E. 8. Mr. Meyers.

10. Direct Current Machinery. II; 3 cr. Primarily for civil engineers. Mr. Rood, Mr. Andree.

25. Engineering Papers. I, II; 2 cr. Open to engineering seniors and graduates. Mr. Jansky.

DYNAMO LABORATORY COURSES

51. Electrical Engineering Laboratory. I, II; 2 cr. To accompany E.E. 1. Lab. fee $6.00. Mr. Price and laboratory instructors.

52. Dynamo Laroratory. I, II; 2 cr. To accompany E.E. 2. Lab. fee $6.00. Mr. Price and laboratory instructors.

53. Alternating Current Laboratory. II; 2 cr. To accompany E.E. 3. Lab. fee $6.00. Mr. Price and laboratory instructors.

54. Advanced Laboratory. I; 2 cr. To accompany E.E. 4. Lab. fee $6.00. Mr. Price and laboratory instructors.

56. Direct Current Laboratory. II; 2 cr. For mechanical engineers. To accompany E.E. 6. Lab. fee $6.00. Mr. Price and laboratory instructors.

57. Alternating Current Laboratory. I; 2 cr. Primarily for mechanical engineers. To accompany E.E. 7. Lab. fee $6.00. Mr. Price and laboratory instructors.

60. Direct Current Laboratory. II; 1 cr. To accompany E.E. 10. Lab. fee $3.00. Mr. Rood.

FOR UNDERGRADUATES AND GRADUATES

104. Dynamo Design. II; 3 cr. Prerequisite: E.E. 2. Mr. Watson.

116. Electric Circuits. I; 3 cr. Prerequisite: E.E. 3. Lab. fee $3.00. Mr. Bennett, Mr. Koehler.

120. Insulation and High Tension Testing. II; 3 cr. Prerequisite: E.E. 3. Lab. fee $3.00. Mr. Bennett, Mr. Meyers.

122. Electric Testing. I; 3 cr. Prerequisite: E.E. 3. Lab. fee $6.00. Mr. Johnson.

127. Electric Central Stations. I; 3 cr. Open to engineering seniors and graduates. Mr. Rood.

128. Electric Central Stations. II; 3 cr. Continuation of E.E. 127. Mr. Rood.

129. Electric Railways. I; 3 cr. Open to engineering seniors and graduates. Mr. Rood.

130. Electric Railways. II; 3 cr. Continuation of E.E. 129. Mr. Rood.

133. Illumination and Photometry. II; 3 cr. Lab. fee $3.00.

137. Power Distribution. II; 3 cr. Prerequisite: E.E. 2. Mr. Meyers.

154. Radio Telegraphy. II; 3 cr. Dealing mainly with undamped waves. Prerequisite: E.E. 2. Lab. fee $3.00. Mr. Koehler.

155. Electric Amplifiers and Oscillators. I; 3 cr. The properties of amplifier and oscillator circuits and of the characteristics of the tri-electrode therminonic amplifiers. With laboratory work. Prerequisite: E.E. 3. Lab. fee $3.00. Mr. Peters, Mr. Koehler.

156. Telephony and Telegraphy. II; 3 cr. Theory of instruments and lines. Prerequisite: E.E. 3. Lab. fee $3.00. Mr. Koehler.

157. Radio Circuit Analysis and Design. II; 3 cr. With laboratory work. Prerequisite: E.E. 155. Lab. fee $3.00. Mr. Peters, Mr. Koehler.

Signal Corps Courses. Courses 154, 155, and 156 are required of those electrical engineers who enroll in the Signal Corps unit of the Reserve Officers' Training Corps which has been established in the University by the War Department. Men who enroll in this unit, after satisfactorily completing the course and meeting the military requirements, may be commissioned in the Officers' Reserve Corps if they so desire. These courses are open as electives to electrical engineering students and to others who are taking equivalent training along mathematical and physical lines.

160. Advanced Individual Studies. I, II. One or more credits. The object of the course is to facilitate investigative work and to develop the student's initiative. The student is to submit reports on one or more engineering problems requiring analytical investigative work. The study may be of an economic, historical, statistical, theoretical, or experimental type. Studies of unusual merit will be accepted as theses and filed in the University Library.

FOR GRADUATES

214. Advanced Dynamo Laboratory. I, II; 3 cr. Prerequisites: E.E. 4 and 54. Lab. fee $6.00. Mr. Price.

231. Transmission and Distribution of Power. Yr; 3 cr. Graduates only. Mr. Bennett.

232. Advanced Theory of Electric Circuits. Yr; 3 cr. Analytical and experimental study of transient and steady conditions in circuits and networks. Lab. fee $3.00. Mr. Bennett, Mr. Koehler.

233. Seminar in Electric Circuit Theory. Yr; 3 cr. A further development of the topics in E.E. 232. Prerequisite: E.E. 232. Mr. Bennett, Mr. Peters.

ENGINEERING ADMINISTRATION

Professor Woy
Associate Professor Hyland
Assistant Professor McNaul

101. Engineering Administration During Construction. I; 3 cr. Mr. Woy.

102. Production and Operation. II; 3 cr. Mr. Woy.

103. Analysis of Corporation Reports. I; 2 cr. Mr. Woy.

104. Advanced Individual Studies and Thesis. I, II; 1 to 5 cr. Mr. Woy.

105. Manufacturing and Production Methods. I; 2 cr. Prerequisite: senior standing. Mr. Hyland, Mr. McNaul.

106. Power Plant Economics Design. II; 3 cr. Prerequisite: Senior standing. Mr. Hyland.

ENGINEERING CONTRACTS AND SPECIFICATIONS

Professor Mead
Instructors Homewood, Krueger

101. Contracts and Specifications. II; 2 cr.

ENGINEERING ENGLISH AND JOURNALISM

Professor Van Hagan

1a. Papers and Discussions. I; 1 cr. To supplement the English work of the freshman year. Prerequisite: Junior standing and English 1b. Mr. Van Hagan.

1b. Papers and Discussions. II; 1 cr. Follows course 1a. Mr. Van Hagan.

2a. PAPERS AND DISCUSSIONS. I; 1 cr. Follows course 1b. Mr. Van Hagan.

2b. PAPERS AND DISCUSSIONS. II; 1 cr. Follows course 2a. Mr. Van Hagan.

10. ENGINEERING JOURNALISM. I, II; 1 cr. Mr. Van Hagan.

FORESTRY AND WOOD TECHNOLOGY

LECTURERS TIEMANN, GERRY, KOEHLER

1. GENERAL FORESTRY. I; 2 cr. Open to all engineering students. Mr. Tiemann.

101. PROPERTIES OF WOOD. I; 2 cr. Prerequisite: Forestry 1 or equivalent. Offered 1926-27 and in alternate years. Mr. Koehler and staff.

102. WOOD TECHNOLOGY. II; 2 cr. For juniors, seniors, and graduates. Mr. Tiemann, Miss Gerry.
(See page 377 for Chemistry of Forest Products.)

HIGHWAY ENGINEERING AND CITY PLANNING

PROFESSOR L. S. SMITH
ASSISTANT ZANDER

CITY PLANNING

Students desiring work in planning and planting of public grounds, parks, and home grounds, are referred to the announcement of the Department of Horticulture, College of Agriculture.

101. CITY PLANNING AND ZONING. I, II; 2 cr. No prerequisites. Mr. Smith.

102. INDUTRIAL HOUSING. I, II; 2 cr. No prerequisites. Mr. Smith.

103. REAL ESTATE PLANNING. II; 3 cr. Prerequisites: City Planning 101. Suited to needs of civil engineering students and others interested in real estate development. Mr. Smith.

HIGHWAY ENGINEERING

For course in highway bridges, see Structural Engineering 112.

101. COUNTRY HIGHWAY CONSTRUCTION AND MAINTENANCE. I; 1 cr. Designed especially for students desiring a short elective course. Illustrated lectures and theme writing. Mr. Smith.

102. INTRODUCTION TO CONSTRUCTION AND MAINTENANCE. II; 3 cr. As a preparation for this course civil engineers are required to take a course in economic geology. Mr. Smith.

103. Advanced Design and Economics of Road Construction and Maintenance of Highway Transportation. I; 3 cr. Prerequisite: Highway Engineering 102. Mr. Smith.

104. Testing Road Materials. I, II; 3 cr. Includes the testing of macadam stone in highway laboratory and analysis of bitumens for highways. Mr. Smith.

HYDRAULIC AND SANITARY ENGINEERING

Professors Corp,* Mead (Chairman); Lecturer Kirchoffer
Assistant Professor Kessler
Instructors Hartwell, Homewood, Krueger
Research Assistant Harker; Fellow Lidicker

FOR UNDERGRADUATES

1. Elementary Hydraulics. I, II; 3 cr. Prerequisites: Mechanics 1, 2. Lab. fee $3.00. Mr. Corp, Mr. Kessler, Mr. Homewood.

2. Elementary Hydraulics. I, II; 4 cr. Similar to course 1 with additional recitation and laboratory work. Prerequisites: Mechanics 1, 2. Lab. $3.00. Mr. Corp, Mr. Kessler, Mr. Homewood.

FOR UNDERGRADUATES AND GRADUATES

102. Testing of Hydraulic Machines. I, II; 2 cr. Prerequisite: Hydr. 1. Lab. fee $5.00. Mr. Kessler.

103. Experimental Hydraulics. I, II; 1 to 5 cr. Prerequisite: Hydr. 1. Lab. fee $3.00 per credit. Mr. Corp, Mr. Kessler.

104. Water Power Engineering. I; 3 cr. Prerequisite: Hydr. 1. Mr. Mead, Mr. Krueger.

105. Hydraulic Machinery. II; 2 cr. Prerequisite: Hydr. 1. Mr. Mead, Mr. Krueger.

106. Sewage and Garbage Disposal. II; 1 cr. Mr. Corp.

107. Water and Sewage Analysis. I; 2 cr. Mr. Nichols, State Hygienic Laboratory.

108. Sewerage. I; 2 cr. Prerequisite: Hydr. 1 or 2, or concurrent registration. Mr. Corp, Mr. Homewood.

110. Hydrology. II; 2 cr. Mr. Mead, Mr. Homewood.

111. Water Supply. I; 3 cr. Prerequisites: Hydr. 1, 110. Mr. Mead, Mr. Homewood.

112. Drainage and Irrigation. II; 2 cr. Prerequisites: Hydr. 1, 110. Mr. Mead.

*Deceased April 28, 1928.

113. Hydraulic Design. Yr; 2 cr. Prerequisite: Hydr. 1, 110. Mr. Mead, Mr. Krueger.

115. Hydraulic Problems. I, II; 1 to 3 cr. Prerequisite: Hydr. 1 or 2. Mr. Corp.

120. Sewage and Trade Waste Analysis. II; 1 to 3 cr. Prerequisite Chem 1b and junior standing. Mr. Homewood.

MACHINE DESIGN

Associate Professor Hyland (Chairman)
Assistant Professor McNaul, Puerner
Instructor Dahlberg

FOR UNDERGRADUATES

1. Mechanism. I, II; 4 cr. Prerequisite: Mechanical Drawing 1, 2. Mr. Dahlberg, Mr. Davis.

2. Design Practice. II; 1 cr. Prerequisite: Machine Design 1. Mr. Hyland.

3. Machine Elements. I, II; 4 cr. Primarily for mechanical engineers. Prerequisites: Machine Design 1, Mechanics 1, 2. Mr. Hyland.

4. Advanced Machine Design. I, II; 4 cr. Prerequisite: Machine Design 3. Mr. Hyland, Mr. McNaul.

5. Machine Elements. I, II; 3 cr. Similar in scope to Course 3. For electrical and chemical engineers. Prerequisites: Machine Design 1, Mechanics 1, 2, 3. Mr. Puerner.

7. Elements of Engineering Design for Electrical Engineers. I; 3 cr. Mr. Hyland, Mr. Puerner, Mr. McNaul.

8. Elements of Engineering Design for Electrical Engineers. II; 2 cr. Mr. Hyland, Mr. Puerner, Mr. McNaul.

12. Machine Testing. I, II; 2 cr. Mr. Puerner, Mr. McNaul, Mr. Dahlberg.

MECHANICS

Professors Kommers, Maurer (Chairman), Withey
Associate Professor Roark
Instructors Norton, Pletta, Turrittin, Wendt
Research Assistant Christensen

FOR UNDERGRADUATES

1. Statics. I, II; first nine weeks; 3 cr. Prerequisite: Physics 51.

2. Dynamics. I, II; last nine weeks; 2 cr. Prerequisites: Mechanics 1, enrollment in or completion of Mathematics 55.

3. MECHANICS OF MATERIALS. I, II; 5 cr. Prerequisites: Mechanics 1, enrollment in or completion of Mathematics 55.

51. MATERIALS OF CONSTRUCTION. I; 2 cr. Prerequisite: Enrollment in or completion of Mechanics 3. For civil engineers. Lab. fee $6.00.

52. MATERIALS OF CONSTRUCTION. II; 2 cr. Continuation of 51. Lab. fee $6.00.

53. MATERIALS OF CONSTRUCTION. I, II; 2 cr. Prerequisite: Enrollment in or completion of Mechanics 3. For electrical, mechanical, and mining engineers. Lab. fee $6.00.

54. MATERIALS OF CONSTRUCTION. II; 2 cr. Prerequisite: Enrollment in or completion of Mechanics 3. For chemical engineers. Lab. fee $6.00.

FOR UNDERGRADUATES AND GRADUATES

106. ADVANCED MECHANICS OF MATERIALS. II; 2 cr. Among the topics discussed are: Stress and strain ellipse, the kern, beams of unsymmetrical section, curved beams, strength of flat plates and thick cylinders, and the principles of virtual and least work, with applications. Prerequisite: Mechanics 2 and 3. Mr. Maurer.

107. ADVANCED TECHNICAL MECHANICS. I; 2 cr. Especially dynamics of machinery; vibrations; balancing; gyroscopic effects; whirling shafts; critical speeds. Prerequisite: Mechanics 2. Mr. Maurer.

108. MATERIALS OF CONSTRUCTION. II; 2 or more cr. Laboratory research in continuation of the undergraduate laboratory course. Prerequisite: Mechanics 51 or 53. Not given 1927-28. Mr. Withey.

109. GRAPHICS. II; 2 cr. Development of principles of graphic computation and construction of graphic charts. Prerequisites: Mechanics 1, 2, 3. Mr. Kommers.

MINING AND METALLURGY

PROFESSOR MCCAFFERY (Chairman)
ASSOCIATE PROFESSORS MACKAY, SHOREY
ASSISTANT PROFESSORS BARKER, OESTERLE
RESEARCH ASSISTANT STEVENSON; RESEARCH FELLOWS GOFF, LORIG

MINING

FOR UNDERGRADUATES

12. MINE SURVEYING. II; 2 cr. Prerequisite: T.E. 108. Fee $3.00. Mr. Shorey.

FOR UNDERGRADUATES AND GRADUATES

101. EXCAVATION AND TUNNELING. I; 3 cr. Prerequisites: General chemistry and physics. Mr. Shorey.

103. MINING METHODS. Yr; 3 cr. Prerequisite: Mining 101. Mr. Shorey.

104. VALUATION OF MINERAL PROPERTIES. II; 3 cr. Prerequisite: Mining 103. Mr. Shorey.

105. MINE ENGINEERING. Yr; 3 cr. Prerequisite: Mining 103, Mechanics 1, 2. Mr. Shorey.

106. MINE PLANT DESIGN. II; 3 cr. Prerequisites: Mining 101, 103, 104, 105. Mr. Shorey.

107. ORE DRESSING AND COAL WASHING. I; 5 cr. Prerequisites: Mining 103, Geology 6. Lab. fee $6.00. Mr. Shorey.

108. MILLING PLANT DESIGN. II; 3 cr. Prerequisite: Mining 105, 107. Mr. Shorey.

109. MINE AND SMELTER ORGANIZATION, ADMINISTRATION, AND ACCOUNTS. II; 3 cr. Lectures, quiz. Mr. McCaffery.

121. ASSAYING. II; 2 or 3 cr. Prerequisite: Chemistry 2. Lab. fee $5.00 per cr. Mr. Barker.

FOR GRADUATES

210. ADVANCED ORE-DRESSING LABORATORY. I or II; 2 or more cr. Lab. fee $3.00 per cr. Mr. Shorey.

215. MILL DESIGN. II; 5 cr. Mr. Shorey.

220. MINE DEVELOPMENT. I; 5 cr. Mr. Shorey.

METALLURGY

FOR UNDERGRADUATES AND GRADUATES

122. PRINCIPLES OF METALLURGY. II; 3 cr. Prerequisite: Chemistry 2. Mr. McCaffery.

123. FIRE METALLURGY OF COPPER, LEAD, AND ZINC. I; 3 cr. Prerequisite: Mining 122. Mr. Barker.

124. METALLURGY OF IRON AND STEEL. I and II; 3 cr. Prerequisites: General chemistry and physics. Mr. McCaffery.

125. METALLURGY OF MINOR METALS. II; 3 cr. Prerequisite: Mining 123. Lab. fee $3.00. Mr. Barker.

126. CLAY PRODUCTS MANUFACTURE. I, II; 2 or 3 cr. Lab. fee $3.00 per cr. Mr. Barker.

127. HYDROMETALLURGY OF GOLD, SILVER, COPPER, LEAD, AND ZINC. I; 3 cr. Prerequisite: Mining 123. Lab. fee $3.00. Mr. Barker.

128. IRON AND STEEL LABORATORY. I and II; 2 or more cr. Prerequisite: Mining 124. Lab. fee $3.00 per cr. Mr. McCaffery.

130. PHYSICAL CHEMISTRY OF THE METALS. I; 3 cr. A detailed application of physical chemistry to metallurgical processes. Prerequisites: Mining 122, 124. Mr. Oesterle.

131. FOUNDRY METALLURGY. II; 2 cr. Prerequisite: Mining 124. Mr. McCaffrey.

132. MANUFACTURE OF COKE. I; 2 cr. Mr. McCaffrey.

133. FIRE METALLURGY LABORATORY, COPPER, LEAD, AND ZINC. I; 3 cr. Prerequisite: Mining 123. Lab. fee $9.00. Mr. Barker.

140. HEAT TREATMENT OF SOFT AND MEDIUM STEELS. II; 2 cr. Prerequisite: Mining 130. Mr. Oesterle.

150. ECONOMIC ASPECTS OF MINING. II; 3 cr. For students in economics and commerce, and colleges other than engineering, of junior, senior, or graduate rank. Mr. McCaffery.

FOR GRADUATES

225. METALLURGICAL LABORATORY. I, II; 2 or more cr. Lab. fee $3.00 per cr. Mr. McCaffery, Mr. Barker.

231. THE IRON BLAST FURNACE. I; 5 cr. Mr. McCaffery.

232. CONVERTER AND OPEN-HEARTH STEEL. II; 5 cr. Mr. McCaffery.

235. THERMODYNAMICS OF METALLURGICAL REACTIONS. Yr; 3 or more cr. Mr. McCaffery.

240. LABORATORY RESEARCH IN COPPER, LEAD, AND ZINC METALLURGY. I; 2 or more cr. Lab. fee $3.00 per cr. Mr. Barker.

245. PROPERTIES AND MANUFACTURE OF GRAY IRON CASTINGS. Yr; 3 cr. Mr. McCaffery, Mr. Mackay.

250. PROPERTIES AND MANUFACTURE OF STEEL CASTINGS. Yr; 3 cr. Mr. McCaffery, Mr. Mackay.

UNNUMBERED COURSES

WESTERN MINE INSPECTION TRIP. Summer work. A six weeks' mine and metallurgy inspection trip through western United States and Canada. Mr. Shorey.

FIRST AID TRAINING. Given in conjunction with Bureau of Mines experts. No credit. Required of juniors.

MINE RESCUE TRAINING. Given in conjunction with Bureau of Mines experts. No credit. Required of seniors.

RAILWAY ENGINEERING

PROFESSOR VAN HAGAN; INSTRUCTOR LANDWEHR

1. RAILWAY CURVES. I, II; 2 cr. Prerequisites: Trigonometry, elementary surveying. Mr. Landwehr.

2. THEORY OF RAILWAY LOCATION AND CONSTRUCTION. I; 3 cr. Prerequisite: Railways 1. Mr. Van Hagan.

22. PRACTICE IN RAILWAY LOCATION AND CONSTRUCTION. Summer survey of two weeks. Prerequisite: Railways 2. Registration fee $7.00; Lab. fee $3.00. Mr. Van Hagan, Mr. Landwehr.

FOR UNDERGRADUATES AND GRADUATES

105. ENGINEERING ECONOMICS. I; 2 cr. Prerequisite: Junior standing. Mr. Van Hagan.

107. ADVANCED RAILWAY DESIGN. I, II; 2 cr. Open to seniors and graduates. Mr. Van Hagan.

110. MASONRY CONSTRUCTION. II; 2 cr. Prerequisites: Mechanics 3, 51. Mr. Van Hagan, Mr. Landwehr.

111. SUBSTRUCTURES. II; 1 cr. Prerequisite: Railways 110. Mr. Van Hagan.

112. ESTIMATES. II; 2 cr. Prerequisite: Junior standing. Mr. Van Hagan.

ROADS AND PAVEMENTS

See Highway Engineering and City Planning.

SHOP WORK

ASSISTANT PROFESSOR DORRANS (Superintendent)
INSTRUCTORS BELL, BRECKEY, BRIDGE, HITCHCOCK, HOLLANDER, PETERS, SCHUMANN, TICE, TREFZ, YOUNG

1. ELEMENTARY PATTERN MAKING. I, II; 1 cr. Fee $3.00. Mr. Hollander.

2. BENCH WORK IN IRON AND STEEL. I, II; ½ cr. Fee $1.50. Mr. Peters, Mr. Schumann.

3. ELEMENTARY FORGE WORK. I, II; ½ cr. Fee $1.50. Mr. Peters, Mr. Schumann.

4. LATHE WORK IN METALS. I, II; 1 cr. Fee $3.00. Mr. Bell, Mr. Breckey, Mr. Hitchcock, Mr. Trefz.

5. PLANING, SHAPING, MILLING. I, II; 1 cr. Fee $3.00. Mr. Bell, Mr. Breckey, Mr. Hitchcock, Mr. Trefz.

6. TOOL MAKING. I, II; 2 cr. Prerequisites: Shop 4, 5. Fee $6.00. Mr. Bell, Mr. Breckey, Mr. Hitchcock.

7. General Shop Work. I, II; 2 cr. Prerequisites: Shop 2, 3, 4, 5 and 6. Fee $6.00. Mr. Bell, Mr. Hitchcock.

8. Welding. II; 2 cr. Acetylene and electric arc welding. Fee $6.00. Mr. Peters. Mr. Schumann.

9. Advanced Pattern Making and Foundry Practice. II; 1 cr. Prerequisite: Shop 1. Regularly for seniors only. Fee $3.00. Mr. Hollander.

10. Industrial Practice. Not less than six weeks of work, performed outside the University, in a shop with a well-developed system of methods pertaining to the manufacture, building, or making general repairs of machinery, machine parts, or metal products. Application for credit must be made upon a form furnished by the adviser, and accompanied by credentials stating the length of service, kind of work, and any other pertinent information necessary for the granting of this credit by the Mechanical Engineering Course Committee. This work may be taken any time during the four years.

13. Elementary Foundry Practice. I, II; 1 cr. Fee $3.00. Mr. Bridge, Mr. Young.

14. Advanced Foundry Practice. II; 2 cr. Fee $5.00. Mr. Bridge, Mr. Young.

15. General Farm Carpentry. I, II; 1 or 2 cr. Fee $3.00. Mr. Tice.

Shop 1, 2, 3, 4, 5 are taken during the freshman year; Shop 6 and 13 during the second year; Shop 7 during the third year; and Shop 9 and 14 during the fourth year.

STEAM AND GAS ENGINEERING

Professor Larson (Chairman), Woy
Associate Professor L. A. Wilson
Assistant Professor G. C. Wilson, Nelson
Instructors Anderson, Richtmann, Rose, Trotter
Assistant Braatz

FOR UNDERGRADUATES

1. Thermodynamics. I; 4 cr. Prerequisites: Physics 51, 52; Mathematics 54, 55. Mr. L. A. Wilson, Mr. G. C. Wilson.

2. Thermodynamics. II; 4 cr. Mr. L. A. Wilson, Mr. G. C. Wilson.

3. Thermodynamics. I; 3 cr. For electrical, chemical, and mining engineers. Prerequisites: Physics 51, 52; Mathematics 54, 55. Mr. Anderson, Mr. Nelson, Mr. Rose, Mr. Trotter.

4. Thermodynamics. II; 3 cr. Continuation of 3. Mr. Anderson, Mr. Nelson, Mr. Rose, Mr. Trotter.

7. Survey of Steam Engineering. II; 2 cr. For civil engineers. Prerequisites: Physics 51, 52; Mathematics 54, 55. Mr. Nelson.

FOR UNDERGRADUATES AND GRADUATES

105. STEAM AND GAS ENGINE CALCULATIONS. I; 2 cr. Prerequisites: 1, 2, or 3, 4. Mr. Larson.

106. STEAM AND GAS ENGINE CALCULATIONS. II; 2 cr. Continuation of Course 105. This course can be taken without having had Course 105, but the same courses are prerequisite. Mr. Larson.

108. HEATING, VENTILATING, AND REFRIGERATING. I; 3 cr. Prerequisites: Courses 1 and 2, 3 and 4, or 7. Mr. Larson.

109. GAS AND GASOLINE ENGINES. I; 2 cr. Prerequisite: Courses 1 and 2, or 3 and 4. Mr. L. A. Wilson.

111. COMPRESSED AIR AND ITS APPLICATION. II; 2 cr. Prerequisite: Courses 1 and 2 or 3, and 4 or 7. Mr. Larson.

LABORATORY COURSES

FOR UNDERGRADUATES

22. ELEMENTARY TESTING. II; 2 cr. Lab. fee $6.00.

23. ADVANCED TESTING. I; 2 cr. Continuation of 22. Lab. fee $6.00.

25. ELEMENTARY TESTING. II; 2 cr. For chemical engineers. Lab. fee $6.00.

26. ADVANCED TESTING. I; 1 cr. Continuation of 25. For chemical engineers. Lab. fee $3.00.

28. ELEMENTARY TESTING. II; 2 cr. For electrical engineers. Lab. fee $6.00.

29. ADVANCED TESTING. I; 1 cr. Continuation of 28. Lab. fee $3.00.

30. GAS ENGINE TESTING. I or II; 2 cr. Open only to seniors in the College of Engineering. Lab. fee $6.00.

FOR UNDERGRADUATES AND GRADUATES

124. ADVANCED COMMERCIAL TESTING. II; 1 cr. Lab. fee $3.00.

127. SHORT COURSE IN TESTING. I; 2 cr. Lab. fee $6.00.

130. RESEARCH. Yr; credit according to work done. Open to graduates and others by consultation. Lab. fee $7.50.

STRUCTURAL ENGINEERING

PROFESSORS TURNEAURE, KINNE
INSTRUCTOR COTTINGHAM

FOR UNDERGRADUATES

2. STRESSES IN SIMPLE STRUCTURES. II; 4 cr. Prerequisite: Mechanics 1. Mr. Kinne, Mr. Cottingham.

3. BRIDGE DESIGN. I; 3 cr. Prerequisites: Structural Engr. 2, Mechanics 3. Mr. Kinne, Mr. Cottingham.

4. BRIDGE DESIGN. II; 2 cr. Prerequisites: Structural Engr. 2, 3. Mr. Kinne, Mr. Cottingham.

10. STRUCTURAL DESIGN. I and II; 2 cr. For mechanical, electrical, and mining engineers. Prerequisites: Mechanics 1, 3. Mr. Kinne.

FOR UNDERGRADUATES AND GRADUATES

105. PRINCIPLES OF REINFORCED CONCRETE. I; 3 cr. Prerequisites: Mechanics 1, 3. Mr. Turneaure, Mr. Kinne, Mr. Cottingham.

106. CONCRETE ARCHES. I; 2 cr. Prerequisites: Mechanics 1, 3, Structural Engr. 2, and concurrent registration in Structural Engr. 105. Mr. Kinne.

107. STATICALLY INDETERMINATE STRUCTURES. I; 3 cr. Open to seniors and graduates in civil engineering. Prerequisite: Structural Engr. 2. Mr. Kinne.

108. STATICALLY INDETERMINATE STRUCTURES AND SECONDARY STRESSES. II; 2 cr. Prerequisites: Structural Engr. 2, 107. Mr. Turneaure.

109. DESIGN OF SWING BRIDGES. II; 2 cr. Prerequisites: Structural Engr. 2, 3, 4, 107. Mr. Kinne.

111. PRINCIPLES OF REINFORCED CONCRETE. II; 2 cr. Continuation of 105. Mr. Kinne.

112. HIGHWAY BRIDGES AND CULVERTS. II; 2 cr. Prerequisites: Structural Engr. 2, 3, 4, 105. Mr. Kinne.

TOPOGRAPHIC ENGINEERING

ASSOCIATE PROFESSOR OWEN (Chairman)
INSTRUCTURE BEEBE

FOR UNDERGRADUATES

1. ELEMENTARY SURVEYING. I; 2 cr. Lab. fee, $4.50. Mr. Owen, Mr. Beebe.

2. ELEMENTARY SURVEYING. II; 2 cr. Prerequisite: T.E. 1. Lab. fee, $4.50. Mr. Beebe.

3. LAND SURVEYING. I; 3 cr. Prerequisite: T.E. 2 and Math. 52. Lab. fee, $3.00. Mr. Owen.

FOR UNDERGRADUATES AND GRADUATES

104. ADVANCED SURVEYING. II; 3 cr. Prerequisite: T. E. 3. Lab. fee, $4.50: Mr. Owen.

106. SUMMER SURVEY CAMP. Field work illustrating all courses given in regular session. Four weeks from second Monday of examination week, second semester. (Six weeks with Railways 22.) Prerequisites: T.E. 3 and 104 or 108. Registration and Lab. fee, $5.00 per week. Average cost to student $100.00 for six weeks, including fees, board, and incidentals. Mr. Owen, Mr. Beebe, Mr. Wesle, and staff.

108. SHORT COURSE IN SURVEYING. I, II; 3 cr. For other than civil engineering students. Lab. fee, $4.50. Mr. Beebe.

109. RAPID TOPOGRAPHY. Summer Camp. II; 2 cr. Prerequisites: T.E. 104. Registration and lab. fee, $3.00 per credit.

110. MINING SURVEYING. I; 2 cr. Mr. Beebe.

111. HIGHWAY SURVEYING. Summer Camp. 1 cr. Prerequisite: T.E. 106. Registration and Lab. fee, $5.00.

THE COLLEGE OF AGRICULTURE

H. L. Russell, Dean

GENERAL INFORMATION

The College of Agriculture is one of the general divisions of the University. Instruction in the general sciences, languages, and mathematics is given to agricultural and home economics students in other colleges of the University; but for the purely agricultural and home economics subjects, separate buildings, equipment, and staff of instructors are maintained. Students enter the University with the same standing as students of other colleges and have the advantages incident to a large university, such as the general laboratories, libraries, and student organizations. Aside from the purely instructional work of the College, the facilities for research afford special opportunities for both regular and advanced students to secure a knowledge of the best methods in agriculture and home economics.

BUILDINGS

The buildings occupied by the College of Agriculture are located at the west end of Observatory Hill. They have been erected and equipped with particular attention to the special needs of the work in the various departments.

The administrative offices of the College and Experiment Station, Agricultural Extension and Farmers' Institutes, lecture rooms, laboratories, and offices for several of the departments are located in Agricultural Hall. At the rear of the main building is a large wing which furnishes quarters for the library and reading room in the basement. The second and third floors are occupied by an auditorium with a seating capacity of 750, which is used for general assemblies and class work.

West of the main building is a group comprised of Hiram Smith Hall, the Dairy Laboratory, and the Dairy Machinery Laboratory.

The Soils Building, with greenhouses adjoining, provides lecture rooms and laboratories for the instructional and research work of the department, as well as offices for the State Soil Survey.

The Horticulture and Plant Pathology Departments are located in the Horticultural Building, which, with the adjoining greenhouses, is provided with every modern equipment for instruction and research in these subjects.

The Agronomy Building contains the offices of the department, a large grain judging room, laboratories for seed testing inspection, grain curing, cleaning and storage of seed grains.

The Agricultural Engineering Building provides offices, lecture and drafting rooms, power and farm machinery laboratories, a laboratory for smaller farm tools and implements, and a concrete construction laboratory.

The Departments of Agricultural Chemistry and Genetics are located in the Agricultural Chemistry Building. It contains large laboratories, and an assembly room with seating capacity of 400, in addition to special laboratories

for advanced students and the chemistry laboratories of the Experiment Station, including those of the feed and fertilizer inspection service.

The Department of Home Economics is located in the Home Economics Building, where offices, classrooms, and laboratories are provided, and in the practice cottage where the work in household administration, house decoration, and dietetics has ample scope for practical solution. The department is provided with all the necessary furnishings and apparatus to give thorough instruction in the subjects of house sanitation, art and design, food preparation, dietetics, textiles, sewing, dressmaking, house decoration, and institutional economics.

The Live Stock Pavilion provides a large arena which is used for stock judging work and exhibition purposes. The pavilion has seating arrangements for 2,500 people. Beneath the amphitheater seats there are stalls for the housing of horses belonging to the University Farm. In addition to this there are offices, operating room, and dispensary for Veterinary Science.

The Poultry Building provides offices and classrooms. Pens of all of the important breeds are provided and practical instruction is given in all lines of poultry raising. A separate research poultry plant is maintained on an outlying portion of the University Farm. The Economic Entomology Department has a building by itself.

The University Farm buildings include barns for the horses, cattle, sheep, and swine as well as two large stock judging rooms. Other buildings are provided for storing farm machinery, silage, manure, and tobacco.

A group of small buildings formerly devoted to the manufacture of hog cholera serum is now being used for the testing of commercial serums and for investigational work in diseases of livestock.

FARM LANDS

The College of Agriculture is provided with four farms, the University Farm, Eagle Heights Farm, Gregg Farm, and the Hill Farm, totalling about 846 acres of tillable land. These farms are operated to facilitate both instruction and research in agriculture.

LIVE STOCK

The University herds and flocks represent the principal breeds of dairy and beef cattle, draft-horses, swine, sheep, and poultry, including many individuals that are well-known prize winners.

LIBRARY

The Agricultural College Library includes about 27,000 bound volumes and 21,000 pamphlets relating to agriculture and home economics. This library is a part of the general University Library, but is kept in special quarters in Agricultural Hall, so as to be readily available to students in this College. It is especially strong in the files of scientific agricultural journals, both American and foreign, and the record books of pure-bred animals. A trained librarian and assistants are in attendance to assist students.

ORGANIZATIONS

Several societies maintained by the agricultural students meet frequently to discuss questions related to their special interest. These organizations are for drill in parliamentary practice and training in debate, as well as for the discussion of scientific and practical questions. The Euthenics Club is an organization of students in Home Economics to promote intellectual and social intercourse and stimulate greater interest in vital problems of the day. The Saddle and Sirloin Club is a student organization of those interested in animal husbandry; the Grafter's Club for those interested in horticulture; and the Apis Club for students of entomology.

An Agricultural Experiment Association with a paid membership of about 1,000 is maintained for the purpose of co-operating with the College and Experiment Station in advancing the agriculture of the commonwealth. By means of this organization, the members of which are located in all sections of the state, the College is in close touch with the great body of Wisconsin farmers.

A chapter of the national honorary agricultural fraternity, Alpha Zeta, and a chapter of the national honorary home economics sorority, Omicron Nu, are maintained by faculty and student members. The students publish a monthly magazine, *The Country Magazine*, under the direction of the department of Agricultural Journalism. Intramural athletics are emphasized.

FARM EXPERIENCE

Before graduating from the Long Course in Agriculture a student must have had at least six months of actual farm experience satisfactory to the executive office of the College of Agriculture.

Before a Middle Course student can begin the second year of his work he must have at least one year of practical farm experience satisfactory to the executive office of the College of Agriculture.

The College of Agriculture maintains an employment bureau to aid students in securing positions on farms where they may gain the required farm experience.

PLAN OF THE COLLEGE ACTIVITIES

The work of the College of Agriculture is conducted on a three-fold basis. Each department aims

First, to give instruction to students at the University.

Second, to develop science through investigation and experiment.

Third, to disseminate information among the farmers and farm women of the state by means of publications, farmers' courses, institutes, and the agricultural extension service.

STUDENT EXPENSE

Fees, tuition, personal expenses, scholarships, loan funds, self-support, etc., are discussed in Part II of this catalog, pages 21-23.

FEES AND TUITION IN SPECIAL COURSES

	Lab. Fee and Deposit	Non-resident Tuition	General Fee
Short Course—three terms of five weeks each, per term	4.50	17.22	3.34
Infirmary fee, per three terms			2.50
Gymnasium fee, per three terms			1.50
Memorial Union Fee, per student			1.00
Winter Dairy Course—twelve weeks	12.00	41.33	9.50
Summer Dairy Course—five weeks	7.00	17.25	6.00

COURSES OF INSTRUCTION

The following courses have been arranged to meet the needs of students of various classes:

GRADUATE COURSES offer to advanced students opportunities for professional training and original investigation, made possible through an active Experimental Station, associated with numerous scientific laboratories. The special lines of study in agriculture and home economics will be left largely to the selection of the student. Students may participate in experiments in progress and, after suitable experience, conduct independent investigations. When contributions to knowledge of permanent value are made they may be published through the bulletins with proper credit to the contributor.

LONG COURSE IN AGRICULTURE OR HOME ECONOMICS. These four-year courses leading to the degree of Bachelor of Science embrace general training in chemistry, physics, biology, bacteriology, and other branches which have applications in agriculture or home economics. The fields are so broad, however, that it is impossible for the student to pursue in four years all the technical courses offered, in addition to acquiring the necessary fundamental studies, and hence much liberty of election is allowed.

MIDDLE COURSE IN AGRICULTURE, leading to the title of Graduate in Agriculture, consists of two full college years and is planned especially for those who wish greater specialization in agriculture with less of general scientific training. The first year embraces essentially the work of the first year of the Long Course, with the exception of physics and botany. In the second year the time is devoted very largely to elective work. Before a student may enter his second year of this course he must have had at least one full year of practical farm experience.

COURSES FOR THE TRAINING OF TEACHERS. Graduates of the four-year courses in Agriculture or Home Economics who fulfil the special educational professional requirements will be entitled to receive a special license to teach agriculture, home economics, or the vocation of home making, and a general license to teach other subjects. See pages 89 and 93 of this catalog; also the Long and Middle Course Circular and the Home Economics Circular.

SUMMER SESSION COURSES include work in agricultural bacteriology, agricultural chemistry, agricultural economics, agricultural education, agricultural engineering, agronomy, animal husbandry, dairying, plant pathology, poultry, soils, and home economics. The home economics work includes courses in art and design, millinery, food study and cookery, dietetics, research in nutrition, teaching home economics, sociological study of the family, and extension work.

SHORT COURSE IN AGRICULTURE. This course, consisting of two winter sessions of fifteen weeks each, is provided for those who can devote only a limited time to study and who, therefore, desire the greatest amount of directly useful knowledge that can be acquired in the brief time allowed. This course begins about November 15 and closes about March 15. An illustrated circular describing this course may be had on request to Prof. T. L. Bewick, College of Agriculture, Madison, Wis.

WINTER DAIRY COURSE. This course is open to persons who have had at least six month's experience in a creamery or cheese factory and covers one term of twelve weeks, beginning about November 1. The course is designed to train creamery butter makers and factory cheese makers in the science and practice of their respective lines. Certificates are given to those who satisfactorily complete the full course and who have worked in a creamery or cheese factory for two seasons of not less than seven months each, one before and the other after the period spent in the Dairy Course. An illustrated circular describing this course in detail will be sent upon application to Prof. H. C. Jackson, College of Agriculture, Madison, Wis.

SUMMER DAIRY COURSE. This course is intended for beginners or those having little practical knowledge of creamery or dairy work. Students are admitted at any time during the spring and summer after March 1. They are expected to remain at least ten weeks, although they may continue the work longer, if desirable. Laboratory exercises and theoretical instruction are given as required.

EXTENSION COURSES GIVEN AT THE UNIVERSITY

FARMERS' WEEK. This is a popular course of addresses, demonstrations, and exercises, covering a period of one week, designed to give busy farmers the most useful instruction and practice in the science of agriculture in the shortest possible time at a season when they can be away from home for a brief period. This course, early in February, is given by the staff of the College of Agriculture, assisted by other speakers. Programs may be had upon application to Prof. K. L. Hatch, College of Agriculture, Madison, Wis.

WOMEN'S WEEK IN HOME ECONOMICS. This course for one week is designed to give women practical and helpful instruction in the various phases of home economics. The plan of instruction includes lectures and demonstrations in all phases of home management. The course is held at the same time as the Farmers' Week to afford an opportunity for farmers' wives and daughters to attend. Detailed information will be furnished upon request to Prof. Abby L. Marlatt, Department of Home Economics, Madison, Wis.

SPECIAL DAIRY COURSE. This is a one-week course of lectures, conferences, and demonstrations, designed to meet the needs of creamery and cheese factory operators and managers, and give them advanced instruction in connection with problems of management of their establishments as well as to inform them on recent advances in the science of dairying. The course is held at the time of the Farmers' Week. A special course for Cow Testing Association men is held at the same time. Detailed programs may be secured upon application to Prof. H. C. Jackson, College of Agriculture, Madison, Wis.

YOUNG PEOPLE'S WEEK. A week's course of lectures, demonstrations, and exercises which are of interest to farm boys and girls is held each year during Commencement week. Those who have won scholarships in Boys' and Girls' Club Work, pursue this course. Each day, special classes for the girls in attendance will be held at the Department of Home Economics. For further information, address Prof. T. L. Bewick, College of Agriculture, Madison, Wis.

RURAL CHURCH SUMMER SCHOOL. A course of lectures, discussions and demonstrations is held during the first two weeks of the University Summer Session. It is especially designed to be of service to town and open-country ministers and includes the entire field of rural social and economic work. For information and circular write Prof. J. H. Kolb, College of Agriculture, Madison, Wis.

AGRICULTURAL EXPERIMENT STATION

As the Wisconsin Agricultural Experiment Station is organically associated with the College of Agriculture, members of the college faculty constitute the staff of the Station. The purpose of the Station is the promotion of agricultural science by research and experimentation, and funds for the work come from both state and federal appropriations. Each of the several departments has research continually in progress, some members of the staff devoting the major portion of their time to investigations dealing with the problems of the farmer. As far as facilities permit, the subjects selected for research are those of greatest practical importance to Wisconsin farmers.

The publications of the Experiment Station include an annual report and a series of popular bulletins, research bulletins, and poster bulletins. Popular bulletins, including helpful discussions on results of experiments, are issued in editions of 20,000 to 50,000 copies and are distributed free to residents of the state upon application; the research bulletins contain technical data and discussions not designed for wide distributions and are sent to libraries, investigators, etc. Apply for the popular bulletins to H. L. Russell, Director, Madison, Wis.

AGRICULTURAL EXTENSION SERVICE

The extension work of the College of Agriculture is organized to coordinate and extend departmental service among Wisconsin farmers, and farm women, spreading and disseminating information gathered in laboratory and field plot. Under this service three lines of work are carried on:

1. Field demonstration work of the several departments.

2. The county agricultural or home demonstration agent system in which a resident instructor is located in a county.

3. Collective extension instruction given in connection with the farmers' weeks and women's schools, demonstration trains, etc.

Through such instruction and practical demonstrations many thousands of rural people who are unable to come to Madison for resident instruction are aided directly by the College. Many of the extension activities are organized on the project basis, and are partly supported by federal funds. This work is in home economics as well as in the field of agriculture. For printed matter and other information regarding this work, apply to K. L. Hatch, Assistant Director.

FARMERS' INSTITUTES

The Department of Farmers' Institutes of the College of Agriculture is maintained by a legislative provision which appropriates $20,000 annually for the purpose of conducting Farmers' Institutes at various places throughout the state. In the year July 1, 1926 to July 1, 1927, 225 two-day and one-day institutes and single session meetings were held. For the past few years the Department has been holding special farmers' co-operative marketing institutes, with consideration of such commodities as American cheese, foreign cheese, butter, and eggs.

Persons desiring institutes in their communities should write to E. L. Luther, Superintendent, for application blanks and other information.

CURRICULA IN AGRICULTURE

Students of the Long and Middle Courses must take 16 to 18 credits each semester, exclusive of military science or physical education, excepting the first semester of the freshman year, when only 14 credits are required. Electives may be added to make a total of 20 credits, provided the student has received a grade of at least B in each subject for the preceding semester. All students, including seniors, must carry at least 16 credits each semester unless excused by the Executive Committee.

AGRICULTURAL OPTIONS

Freshmen in the Middle Course and the sophomores in the Long Course must choose one course from each of the following groups:

First Semester		Second Semester	
Agr. Engr. 1—Land surveying and drainage	3	Dairy 1—General farm dairying	3
Hort. 1—Principles of fruit growing	3	Hort. 3—Vegetable gardening	3
Poultry 1—Poultry raising	3	Econ. Ent. 1—Farm insects	3
Vet. Sci. 1—The animal body	3	Agr. Engr. 5—Farm field machinery	3

If horticulture is chosen the first semester, it cannot be chosen as the optional subject for the second semester. The same applies to the two agricultural engineering options. Subjects not chosen as options may later be taken as electives.

THE LONG COURSE

LEADING TO THE DEGREE OF BACHELOR OF SCIENCE, (AGRICULTURE)

The general requirement for graduation in the Long Course is 133 credits and 133 grade-points in addition to convocation and military science or physical education. At the beginning of the sophomore year the student elects either Curriculum A or B and is assigned to a member of the department in which he expects to major. The major consists of a minimum of 15 or a maximum of 25 credits, but courses outside a given department may be counted in the major if reported in advance to the faculty. Changes in the major may be made at any time up to the close of registration for the first semester of the senior year. A thesis may be required at the option of the several departments and, if required, must represent some phase of the student's work in the field of his major, for which a total of 4 credits may be allowed. A minimum of 10 credits of electives during the junior or senior years shall be taken in the College of Letters and Science, including at least 6 credits in English, philosophy, psychology, sociology, political science, or history. For farm experience requirements see page 258.

Students in the Long Course who wish to qualify for the University Teachers' Certificates are referred to page 89 for a statement of the requirements.

FRESHMAN YEAR

First Semester	Credits
Engl. 1a—Freshman composition	3
Chem. 1a—General chemistry	5
Math. 71—Mathematics for agricultural students	4
An. Husb. 1—Elem. livestock judging	3
or	
Agron. 1—General farm crops	(3)
Convocation	0
Physical education or military science	0
	15

Second Semester	Credit
Engl. 1b—Freshman composition	3
Chem. 1b—General chemistry	5
Botany 1—General botany	5
Agron. 1—General farm crops	3
or	
An. Husb. 1—Elem. livestock judging	(3)
Physical education or military science	0
	16

Students will elect either animal husbandry or agronomy in the first semester and the alternative subject in the second semester. On approval of the Executive Committee a student may substitute for Mathematics 71 some other course in mathematics.

CURRICULUM A.

SOPHOMORE YEAR

Chem. 12—Quantitative analysis	3
Zool. 3—Elementary zoology	3
Soils 1—Soil fertility	5
Agricultural option (see above)	3
Electives	2
Physical education or military science	0
	16

Ag. Chem. 1, 2—Agricultural chemistry and analysis	5
Econ. 1a—General economics	4
Physics 61—General physics	5
Agricultural option (see above)	3
Physical education or military science	0
	17

JUNIOR YEAR

Ag. Bact. 1—General survey	5	Botany 146, Physiology 3, or substitute	4
Ag. Econ. 1—Principles of agricultural economics	3	Major and electives	12-14
Major and electives	8-10		
	16-18		16-18

Students majoring in the following departments will take the following subjects instead of Botany 146 or Physiology 3:

Agricultural Economics, Dairy Husbandry—Economics 1b.
Agricultural Journalism—Agricultural Economics 25.
Agricultural Engineering—Advanced mathematics.
Agricultural Education—Four credits in the Department of Education.

SENIOR YEAR

Major and electives	16-18	Major and electives	16-18

In this curriculum 40 credits of elective work may be taken outside the College of Agriculture during the junior and senior years.

CURRICULUM B.

SOPHOMORE YEAR

Agricultural option (see above)	3	Econ. 1a—General economics	4
Soils 1—Soil fertility	5	Agricultural option (see above)	3
or		Ag. Chem. 1, 2—Agricultural chemistry and analysis	5
Chem. 12—Quantitative analysis	(3)	or	
Optional science or mathematics / Electives	8-12	Optional science or mathematics	(5)
Physical education or military science	0	Additional science or mathematics / Electives	4-6
		Physical education or military science	0
	16-18		16-18

If Agricultural Chemistry 1 and 2 are elected in the second semester, Chemistry 12 must be taken in the first semester. At least 10 credits of science or mathematics in addition to that of the freshman year must be taken outside the college. Economics 1a may be taken in the first semester if desired.

JUNIOR AND SENIOR YEARS

Same as corresponding years of Curriculum A, excepting that during the four years the student must complete a minimum of 50 credits in the College of Agriculture including required agricultural courses, options, majors, and electives.

THE MIDDLE COURSE

LEADING TO THE TITLE OF GRADUATE IN AGRICULTCURE

The total requirements for graduation in the Middle Course are 64 credits and 64 grade-points. All Middle Course students are required to take convocation and two full years of physical education or military science.

The student shall select his major subject at the beginning of the second year and shall consult the Assistant Dean for assignment to an adviser. Before entering this year, a student must have had at least one year of practical farm experience satisfactory to the executive office of the College of Agriculture. A maximum of six elective credits may be taken outside the College of Agriculture. Subjects of the Long Course taken in the College of Letters and Science and not required in the Middle Course are considered electives outside the College of Agriculture.

Students taking the Middle Course and desiring to transfer to the Long Course must be prepared to spend more than the usual four years in order to complete the requirements.

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Chem. 1a—General chemistry	5	Chem. 1b—General chemistry	5
An. Husb. 1—Elem. livestock judging	3	Agron. 1—General farm crops	3
or		or	
Agron. 1—General farm crops	(3)	An. Husb. 1—Elem. livestock judging	(3)
First semester option (see above)	3	Second semester option (see above)	3
Convocation	0	Elective	2
Physical education or military science	0	Physical education or military science	0
	14		16

Students will elect either Animal Husbandry 1 or Agronomy 1 in the first semester and the alternative subject in the second semester.

SOPHOMORE YEAR

Agr. Bact. 1—General survey	5	Electives*	17
Electives*	12	Physical education or military science	0
Physical education or military science	0		
	17		17

Soils 1, 5 cr., must be elected in the first semester or Agricultural Chemistry 1, 3 cr., in the second semester.

CURRICULA IN HOME ECONOMICS

ABBY L. MARLATT, DIRECTOR, PROFESSOR OF HOME ECONOMICS

The Department of Home Economics offers courses dealing with the principles underlying the proper management of the home, the care of children, the hygienic and sanitary conduct of institutions, and the economic conditions affecting the work of women. The courses are planned to meet the needs of four classes of students:

1. Those who desire a general knowledge of the subject matter of home economics as part of a general education. A wide range of electives in Letters and Science is possible in the general course. Home Economics may also be taken as a minor with the major leading to a B.A. degree.

2. Those who desire to make a detailed study of home economics in preparation for a professional career other than teaching.

3. Those who wish to teach home economics in secondary schools, vocational schools, extension courses, and institutions of higher learning.

4. Graduate students who have the requisite knowledge to benefit by research work in subjects connected with the home.

For more detailed information than is given below concerning requirements and electives, see the special bulletin of the Course in Home Economics, copies of which may be secured from the Mailing Room, Agricultural Hall.

GENERAL REQUIREMENTS

The degree of Bachelor of Science, Home Economics Course, is conferred upon those who complete a four or five-year major in home economics. A total of 120 credits and 120 grade-points is required for graduation, or 124 credits when a teachers' certificate is desired. Two years of physical education are also required. Sixteen credits exclusive of physical education may be elected each semester, with the privilege of increasing to 18 credits provided the student has received a grade of B or higher in each subject for the preceding semester. All students, including seniors, must elect a schedule of at least 14 credits each semester, unless given permission by the Executive Committee to carry a reduced schedule.

At least 8 credits in foreign language beyond beginning courses are required of all students, except as follows: Students entering with two or more units of foreign language may continue the language for 8 credits. Students entering with two or more units of foreign language and desiring to change to another language, or students entering with no foreign language, must take 16 credits of a foreign language, the 8 credits of beginning language being counted as electives. Students entering with four units in one language or five units in two languages are not required to continue language study in the University.

MAJORS

The requirements for a major in Home Economics are not less than 18 nor more than 40 credits in strictly home economics subjects. A minimum of 12 credits or a maximum of 32 in strictly home economics subjects, inclusive of the thesis, may be taken during the junior and senior years. Home Economics 2, 9, and 109 are general courses in art and on the family, required of all majors in Home Economics. They are not counted in either the minimum or maximum credits for the major, but are included in the 120 required for graduation. The teachers' courses, 90, 92, and 124, may be elected and count not only toward the 120 required for graduation, but also as part of the 124 credits necessary for receiving the University Teachers' Certificate; they are not, however, considered as home economics electives.

The majors which lead to professional work in the field of home economics are: (1) teaching in home economics, (2) food major—either hospital dietitian or institutional management, (3) textile major, (4) applied bacteriology major, (5) nursing or hospital administration major. There is also a non-professional course which allows a wide latitude in the choice of a major.

THESIS

All candidates for a degree are required to present a thesis. A thesis must represent original work upon some subject which has been arranged after consultation with the student's adviser and the head of the department in which the work is done. On the advice of the major professor, course 101 or 102 may be taken for 4 credits to count as a thesis substitute, and at her direction the finished typewritten report may be deposited in the University Library as a thesis or retained in the departmental office.

MINORS FOR LETTERS AND SCIENCE STUDENTS

A minor in Home Economics is not less than 10 nor more than 20 credits in home economics subjects. The following may be elected:

(1) The minor in foods must include Home Economics 1a-b, and other related courses, such as 47, to make 10 to 20 credits. The teaching minor includes Home Economics 90.

(2) The minor in textiles must include Home Economics 2, 5, 10, 11, and other courses to complete 15 credits. The textile teaching minor may include courses 2, 5, 10, 11, 50, 90, 92, and other vocational and related courses to make 20 credits.

(3) The minor in housing problems is intended to be taken with a major or minor in sociology so that those intending to do the work of sanitary inspector, visiting housekeeper, or visiting teacher, or other social welfare work, will have a broad foundation knowledge of the fundamental problems in housing conditions as well as fundamentals in home and budget making for a family. This minor includes Home Economics 1a, 1b, 70, and other related courses.

(4) The minor in related art is intended to be taken by home economics general majors, majors in home economics journalism, and majors in Industrial Education and Applied Arts. A minor in related art must include courses elected from the following list to complete 10 to 15 credits: Home Economics 2, 12, 8, 18, 20, 94, 95, 116, 194.

ADVANCED DEGREES

For advanced degree requirements, see the Graduate Bulletin, or pages 324-338 of this catalog.

REQUIREMENTS FOR TEACHERS' CERTIFICATES

PUBLIC SCHOOL CERTIFICATE

Students receiving the Bachelor of Science degree in a Home Economics professional major and taking additional work in education to make 124 credits for graduation, will be entitled to receive the University Teachers' Certificate upon recommendation of fitness by the Department of Home Economics and upon completing as a part of their elective work the following courses: Education 31, Principles of Education, 3 credits; Education 75, Psychology and Practice of Teaching, 5 credits; departmental teachers' course, 3-4 credits; electives in the Department of Education, 4-3 credits; making a total of 15 credits. Home Economics 92, Clothing Method, is also required of all candidates for the University Teachers' Certificate. See School of Education, page 93, for further details.

Students desiring to qualify for the University Teachers' Certificate should register with the Director of the School of Education during the first semester of the junior year. They will find it advantageous to select an additional subject in which they may qualify under the head of a minor, so that when they are placed in small high schools they will be equipped to teach not only their major subject of home economics, but also a minor subject. A suggested list of minors includes mathematics, English, modern language, history, Latin, physiology, physics, chemistry, botany, and biology. The selection of a minor should be made as early in the course as possible so that the free electives may be utilized to best advantage.

VOCATIONAL SCHOOL CERTIFICATE

Upon completion of a course of training in a professional major, including the 15 credits for the teachers' certificate and summer school courses in vocational education, and upon recommendation of fitness by the Department of Home Economics, the student will be certified to the State Board of Vocational Education, which, on approval of the student's record, will issue a certificate as instructor in vocational courses in homemaking.

In addition to the four-year course, the candidate for the teachers' certificate in vocational education is expected to have practical experience in house management. *Between the junior and senior years the student should spend the vacation in practical home management, reporting details of the work to the instructor in charge of the household administration class.* Study of standards is provided at the practice cottage, which is a laboratory in connection with the Home Economics Department.

GENERAL OR NON-PROFESSIONAL COURSE IN HOME ECONOMICS

This course is planned for students who do not wish to be trained in the professional home economics majors, and therefore is less severely technical and allows a more liberal choice of electives. Science requirements and required credits in home economics are greatly reduced; but, on the other hand, a student may elect much more freely in any college after she has taken certain fundamental home economics subjects. General majors interested in becoming costume

designers, interior decorators, or textile designers should, in addition to the fundamental courses offered in Home Economics, avail themselves of the opportunities offered in the Department of Industrial Education and Applied Arts.

The same number of credits are required for graduation in the General Course in Home Economics as for the Bachelor of Arts degree. Students are expected to secure 14 to 16 credits per semester, making an average of 30 credits per year, or 120 credits and 120 grade-points for the course. In addition the student is required to take physical education during the first two years, and convocation is required for the first half of the first semester of the freshman year.

From 48 to 58 credits may be chosen by the student in any college in addition to the 10 credits which she is required to elect in the College of Letters and Science. Not more than 26 of these credits may be elected in home economics subjects.

A student in this course may qualify for a teachers' certificate but she must be careful to take the required sciences to qualify for the technical home economics courses which should follow if the student desires to complete a teaching major in home economics. Appropriate majors or minors in the College of Letters and Science as outlined for the School of Education may be elected to prepare for high-school teaching. The corresponding teachers' courses should be chosen with them. Freedom of electives makes possible the meeting of major requirements in practically any department of the College of Agriculture or the College of Letters and Science. To make such arrangements it is desirable that the student plan the desired electives with her faculty adviser as early as possible in the sophomore year, or not later than the beginning of the junior year. The required work of this general course is as follows:

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Foreign language	4	Foreign language	4
Chem. 1a—General chemistry	5	Home Econ. 3—Introduction to food study	3
Home Econ. 9—Introduction to home economics	1	Chem. 1b—Qualitative analysis	5
Home Econ. 2—Art and design	3	Physical education	0
Convocation	0		
Physical education	0		
	16		15

In addition to 10 credits of chemistry, 4 to 6 credits of science are required during the freshman and sophomore years, to be selected from the list below. Upon approval of the Executive Committee a student may substitute one of these optional sciences for Chemistry 1b.

Agr. Chem. 3—Household chemistry	5	Physics 65—General physics	3
Physics 65—General physics	3	Agr. Bact. 4—Household bacteriology	5
Physiol. 1—Human physiology	4		

SOPHOMORE YEAR

Engl. 30 or 33—English literature	3-2
Home Ec. 5—Introd. to textile study	3
Electives	10
Physical education	0
	15-16

Electives	15
Physical education	0
	15

JUNIOR YEAR

Home Econ. 7—House architecture and sanitation	2
Home Ec. 17—House architecture lab.	2
Electives	11
	15

Electives	15
	15

SENIOR YEAR

Home Econ. 100, 101, or 102	2
Home Ec. 110—Household administration	2
Home Econ. 112—Household admin. lab.	2
Electives	9
	15

Home Econ. 100, 101, or 102	2
Home Econ. 109—Humanics	4
Electives	9
	15

PROFESSIONAL COURSE IN HOME ECONOMICS

REQUIRED WORK OF THE FIRST TWO YEARS, COMMON TO ALL MAJORS

FRESHMAN YEAR

First Semester	Credits
Engl. 1a—Freshman composition	3
Foreign language	4
Chem. 1a—General chemistry	5
Home Econ. 9—Introduction to home economics	1
Home Econ. 2—Art and design	3
Convocation	0
Physical education	0
	16

Second Semester	Credits
Engl. 1b—Freshman composition	3
Foreign language	4
Chem. 1b—Qualitative analysis	5
Home Econ. 3—Introduction to food study	3
Physical education	0
	15

SOPHOMORE YEAR

Physics 65—General physics	3
Home Econ. 5—Introduction to textile study	2
Agr. Chem. 3—Household chemistry	5
Physiol. 1—Elements of physiology	4
Electives	2
Physical education	0
	16

Physics 65—General physics	3
Home Econ. 50—Textiles	3
Agr. Bact. 4—General survey	5
Electives	4
Physical education	0
	15

TEACHING MAJOR IN HOME ECONOMICS

A total of 124 credits and 124 grade-points is required for graduation. The number of free electives varies from 11 to 35 credits, dependent on the amount of foreign language required and whether a teachers' certificate is to be earned. Electives may be chosen in any college of the University.

It is desirable that electives be grouped for a definite purpose such as a teaching minor or teachers' certificate, a journalism minor, or a sociology minor, or for wider and more intensive knowledge as a basis for advanced study. For example, those taking a food major elect additional courses in organic and physiological chemistry in preparation for more intensive work in nutrition.

Those desiring to go into social welfare work should take a minor in sociology. It should include Economics 1a, and two courses from each of the following groups to make a total of fifteen credits:

Group A—Economics 4, 139, 140, and 172.

Group B—Economics 46, 141, 161, and 177.

Those who wish to go into extension work may minor in agriculture. It is suggested that 10 credits (the minimum number allowed) be chosen from Agronomy 1, Horticulture 1, Dairy 1, Agricultural Engineering 1, Animal Husbandry, Economic Entomology, Veterinary Science, and Plant Pathology.

Teaching minors may be chosen in the various departments as discussed under School of Education, pages 89 to 98. A minor varies from 10 to 20 credits of work chosen for a distinct purpose in a single department. The following minors have proved very satisfactory in connection with a home economics educational major: chemistry, bacteriology, mathematics, modern language, physiology, physics, sociology, journalism, education. Students in the sophomore year should discuss the matter of majors in home economics and minors in other departments with their faculty advisers.

JUNIOR YEAR

Home Econ. 4—Economic problems of food supply	3	Home Econ. 6—Nutrition and dietetics	2
Home Econ. 7—House architecture and sanitation	2	Home Econ. 16—Dietetics laboratory	2
Home Ec. 17—House architecture lab.	2	Home Econ. 8—House decoration	2
Home Econ. 10—Clothing economics	2	Home Econ. 18—House decoration laboratory	2
Home Econ. 20—Costume design	2	Home Econ. 11—Problems in clothing construction	3
Electives	4	Electives	4
	15		15

SENIOR YEAR

Home Ec. 110—Household administration	2	Home Econ. 109—Humanics	4
Home Econ. 112—Household admin. lab.	2	Home Econ. 100, 101, or 102	2
Home Econ. 92—Clothing methods	2	Electives	9
Home Econ. 100, 101, 102	2		
Electives	7		
	15		15

Students entering with advanced standing in Home Economics 90 must take Home Economics 190, credit in Home Economics 90 is required of all. Persons not desiring to qualify for a teachers' certificate but wishing a general course in home economics may omit Home Economics 92 in the senior year.

MAJOR IN FOOD AND NUTRITION

The major in food and nutrition is planned to meet the demands for trained dietitians in hospital service, Red Cross nutrition service, child health workers in social welfare associations, consultant dietitians in medical clinics, and dietitians in cafeterias, tea rooms, and public schools, and other places.

JUNIOR YEAR

Home Econ. 4—Ecnmic problems of food supply	3	Home Econ. 6—Nutrition and dietetics	2
Home Econ. 7—House architecture and sanitation	2	Home Econ. 16—Dietetics laboratory	2
Home Econ. 17—House architecture laboratory	2	Electives	11
Electives	8		
	15		15

In the first semester, majors in institutional management will take Home Economics 22 for 2 credits.

SENIOR YEAR

HOSPITAL DIETITIAN

Home Econ. 110—Household administration	2	Home Econ. 109—Humanics	4
Home Econ. 112—Household administration laboratory	2	Home Economics 100, 101, or 102	2
Home Econ. 125—Dietotherapy	3	Free electives	7
Home Economics 100, 101, or 102	2	Home Economics elective	2
Free electives	4		
Home Economics elective	2		
	15		15

INSTITUTIONAL MANAGEMENT (124 CREDITS)

Home Econ. 110—Household administration	2	Home Econ. 109—Humanics	4
Home Econ. 112—Household administration laboratory	2	Home Econ. 133—Tea room and restaurant management	3
Home Econ. 122—Organization and administration of institutions	2	Home Econ. 134—Institutional equipment and furnishing	2
Home Econ. 100, 101, or 102	2	Home Econ. 100, 101, or 102	2
Electives	8	Electives	5
	16		16

MAJOR IN TEXTILES

The textile major is planned to meet the needs of the teacher who expects to teach clothing and textiles. The students who wish to elect courses in economics and sociology may prepare themselves for social work and those wishing to go into store work may elect courses which will fit them for such positions.

JUNIOR YEAR

Home Econ. 7—House architecture and sanitation	2	Home Econ. 8—House decoration	2
Home Econ. 17—House architecture lab.	2	Home Econ. 18—House decoration lab.	2
Home Econ. 10—Clothing economics	2	Home Econ. 11—Problems in clothing construction	3
Home Econ. 20—Costume design	2	Electives	8
Electives	7		
	15		15

SENIOR YEAR

Home Ec. 110—Household administration	2	Home Econ. 109—Humanics	4
Home Econ. 112—Household admin. lab.	2	Home Economics electives	2
Home Econ. 92*—Clothing methods	2	Home Econ. 100, 101, or 102	2
Home Econ. 100, 101, or 102	2	Free electives	7
Free electives	7		
	15		15

*Home Economics 92 may be omitted if the student is not qualifying for a teachers' certificate.

MAJOR IN APPLIED BACTERIOLOGY

Students may include beyond their sophomore year such detailed work in applied bacteriology as will equip them to become bacteriological technicians in the various laboratories maintained in connection with municipal water and sewage plants, manufactories of biological products, and milk plants, as well as with public health laboratories, hospital laboratories, private laboratories, in physicians' offices, and in laboratories in connection with public and private sanatoria. There is a constantly growing demand for such technicians, and many of the home economics graduates have found the work both attractive and stimulating.

JUNIOR YEAR

First Semester	Credits	Second Semester	Credits
Home Econ. 4—Economic problems of food supply	3	Home Econ. 6—Nutrition and dietetics	2
Home Econ. 7—House architecture and sanitation	2	Home Econ. 16—Dietetics laboratory	2
Home Ec. 17—House architecture lab.	2	Electives	12
Electives	9		
	16		16

SENIOR YEAR

Home Ec. 110—Household administration	2	Home Econ. 109—Humanics	4
Home Econ. 112—Household admin. lab.	2	Electives	11
Electives	12	Chem. 113—Water analysis	1
	16		16

The major consists of a minimum of 19 credits, including the required course in bacteriology and the thesis. Electives may be chosen from the following:

Ag. Bact. 125—Food bacteriology	3	Ag. Bact. 121—Dairy bacteriology	3
Ag. Bact. 124—Bacteriology technique	3	Ag. Bact. 230—Research	2
Ag. Bact. 230—Research	2	Ag. Bact. 231—Seminary	1
Ag. Bact. 231—Seminary	1	Ag. Bact. 100—Thesis	2
Ag. Bact. 100—Thesis	2	Vet. Science 126—Laboratory diagnosis.	3
Path. 102—Medical bacteriology	5	Zool. 119—Animal parasites	3
Zool. 111—Micro-technique	3		

NURSING OR HOSPITAL ADMINISTRATION MAJOR

The five-year combined courses in home economics and nursing leads to the degree of Bachelor of Science, Hospital Administration, and to the certificate of graduate nurse. The requirements are as follows:

FRESHMAN AND SOPHOMORE YEARS

Students take the required work as outlined for the professional majors on page 270, except that English 33a for 2 credits and Psychology 1 for 3 credits take the place of electives in the sophomore year.

JUNIOR YEAR

Home Econ. 7 and 17—House architecture and sanitation	3	Nursing 1—Elementary principles	2
Home Econ. 47—Diet problems in feeding children	3	Home Econ. 6—Nutrition and dietetics	2
Engl. 33b—Introduction to English literature	2	Home Econ. 16—Dietetics laboratory	2
Electives	7	Home Economics 22—Marketing and large quantity cookery	2
		Home Econ. 133—Tea room and restaurant management	3
		Electives	5-6
	15		15-16

Either Anatomy 120 or Physiology 4 must be elected during the junior year.

Following the junior year in the College of Agriculture, the professional course consists of 27 months in residence in the Nurses' Dormitory. During this period the student has instruction in medicine, surgery, and principles of nursing, ward practice in the wards and out-patient department of the hospital, and practical training in public health nursing. The residential course is divided into four half years of academic and professional education and three additional months of special training. In each half year there are one semester of four months of academic and ward work, six weeks (52 hours per week) of ward or field work, and two weeks of vacation. A complete outline of this work may be found under School of Nursing, page 317.

DEPARTMENTS OF INSTRUCTION

Abbreviations used in the announcement of courses:

Yr—a continuous course extending through two semesters.
I—course given during the first semester.
II—course given during the second semester.
I, II—semester course given each semester.
cr—number of credit hours per semester.

Courses numbered from 1 through 100 are open for credit to undergraduates only; from 101 to 199 to both undergraduates and graduates; over 200 to graduates only, or very exceptionally to advanced undergraduates.

AGRICULTURAL BACTERIOLOGY

Professors Fred, Frost, Hastings (Chairman)
Associate Professor Wright
Assistant Professor Baldwin
Instructors Mansfield, Shaw
Assistants Allen, Dow, Hopkins, Griffing, Marten
Research Assistants McCoy, Rosa, Scott
Fellows Allgeier, Gumm (Industrial), Tetrault (Honorary), Van Erman (Industrial); Scholar Preuss

FOR UNDERGRADUATES

1. General Survey. I; 5 cr. Required of all agricultural students. Prerequisite: Chemistry 1a. Lab. fee, $4.50; deposit, $2.00. Mr. Wright.

2. General Survey. II; 3 cr. For students in the Course in Chemistry. Prerequisite: Chemistry 1b. Lab. fee, $3.00; deposit, $2.00. Mr. Wright.

4. General Survey. II; 5 cr. For students in home economics. Prerequisite: Chemistry 1a. Lab. fee, $4.50; deposit, $2.00. Mr. Frost, Miss Shaw.

100. Thesis. Yr; 2 cr. Prerequisites: Ag. Bact. 1, 2, or 4; 124; 121, 123, or 125. Lab. fee, $3.00; deposit, $2.00.

FOR UNDERGRADUATES AND GRADUATES

121. Dairy Bacteriology. II; 3 cr. Prerequisite: Ag. Bact. 1, 2, or 4. Lab. fee, $3.00; deposit, $2.00. Mr. Hastings.

123. Soil Bacteriology. I; 4 cr. Prerequisite: Ag. Bact. 1, 2, or 4. Lab. fee, $4.50; deposit, $2.00. Mr. Fred.

124. Advanced Technique. I; 3 cr. Prerequisite: Ag. Bact. 1, 2, or 4. Lab. fee, $4.50; deposit, $2.00. Mr. Wright.

125. Food Bacteriology. I; 3 cr. Prerequisite: Ag. Bact. 1, 2, or 4. Lab. fee, $3.00; deposit, $2.00. Mr. Frost.

130. Determinative Bacteriology. 1, II; 2 or more cr. Prerequisite: Ag. Bact. 1, 2, or 4. Lab. fee, $1.50 per credit; deposit, $2.00. Mr. Frost, Miss Shaw.

FOR GRADUATES

230. Research. Yr; 2 or more cr. Prerequisite: Ag. Bact. 124; 121, 123, 125, or 130. Lab. fee $1.50 per credit; deposit, $2.00.

231. Seminary. Yr; 1 cr. For major and graduate students.

AGRICULTURAL CHEMISTRY

Professors Babcock (Emeritus), Hart (Chairman), Peterson, Steenbock
Associate Professor Tottingham
Assistant Professors Link, Waddell
Instructors Elvehjem, Kletzien
Assistants Lindow, Otterson, Riising, Schrader, Scott, Teut
Research Assistants Pfluke, Rosa, Wirick
Fellows Herrin, Kon, Thomas, Van Donk, Wirick (Industrial)

The courses offered in this department are intended to give a broad view of farm chemistry useful to the general agricultural student, and to develop men fitted for instructional or experimental work in the various fields of chemical activity applied to agriculture. Courses 120 and 122 are for students desiring a more detailed knowledge of the special subjects treated and are preliminary to greater specialization. These courses should be preceded or accompanied by work in biology and organic chemistry. Physiology and bacteriology are desired prerequisites. All other advanced courses in this department are open to undergraduates and graduates who have had the necessary preliminary training.

FOR UNDERGRADUATES

1. Agricultural Chemistry. II; 3 cr. Prerequisite: Chemistry 1b or concurrent registration therein. Mr. Hart.

2. Agricultural Analysis. II; 2 cr. Prerequisites: Chemistry 1b and 12. Lab. fee, $3.00; deposit $2.00. Mr. Tottingham.

3. Household Chemistry. I; 5 cr. Required of home economics students. Prerequisite: Chemistry 1b. Lab. fee, $4.50; deposit $2.00. Mr. Peterson.

100. Thesis. Yr; 2 cr. May be taken in plant, animal, fermentation, or dairy chemistry. Lab. fee, $1.50 per cr.; deposit $2.00. Mr. Hart, Mr. Peterson, Mr. Steenbock, Mr. Tottingham.

FOR UNDERGRADUATES AND GRADUATES

120. Plant Chemistry. II; 2 or 5 cr. Prerequisites: Chemistry 1b, and 120. Lab. fee, $1.50 per cr.; deposit $2.00. Mr. Tottingham.

121. Dairy Chemistry. I; 2 or 5 cr. Prerequisites: Chemistry 1b, 12, and 120. Lab. fee, $1.50 per cr.; deposit $2.00. Mr. Hart.

122. Animal Chemistry. I; 2 or 5 cr. Prerequisites: Chemistry 1b, 12, and 120. Lab. fee, $1.50 per cr.; deposit $2.00. Mr. Steenbock.

123. Advanced Household Chemistry. II; 3 cr. Prerequisite: Agricultural Chemistry 3. Lab. fee, $1.50 per cr.; deposit, $2.00. Mr. Peterson.

124. Advanced Bio-Chemistry. I, II; cr. to be arranged. Prerequisites: Chemistry 12 and 120. Lab. fee, $1.50 per cr.; deposit, $2.00. Mr. Hart, Mr. Steenbock, Mr. Tottingham, Mr. Peterson.

FOR GRADUATES

230. Plant Nutrition. Yr; cr. to be arranged. Prerequisite: Agricultural Chemistry 120. Mr. Tottingham.

231. Animal Nutrition. Yr; cr. to be arranged. Prerequisite: Agricultural Chemistry 122. Mr. Hart, Mr. Steenbock.

232. Advanced Dairy Chemistry. Yr; cr. to be arranged. Prerequisite: Agricultural Chemistry 121. Mr. Hart.

233. Seminary. Yr; 1 cr. Mr. Hart, Mr. Steenbock.

AGRICULTURAL ECONOMICS

Professors Hibbard (Chairman), Kolb, McNall, Macklin, Wehrwein
Assistant Professors Bakken, Donald; Lecturer Riley
Instructors Allin, Froker, Haas, Hartman, Schaars, Wileden
Assistants Hobbs, Jones, Lindstrom, Schultz; Research Assistants Inge, Mitchell
Fellows Ellis, Kumlien, Silcox
Honorary Scholars Alexander, Herrmann, Wallace

The courses in agricultural economics are intended to give the students a knowledge of the economic principles which relate to the production and marketing of farm products, and to the economic and social conditions of the agricultural classes. As such it is a field of general interest to all concerned with farmers and their welfare.

There are two methods of taking agricultural economics. First, it may be taken as a joint major along with work in one or more other departments, economics being recognized as a phase of farming coordinate with many other lines of inquiry; secondly, agricultural economics may be taken as a full major by those who decide to make it a main line of study preparatory to teaching, research, or work of an economic character. The major consists of 15 credits, including the thesis.

FOR UNDERGRADUATES

1. Principles of Agricultural Economics. I; 3 cr. Required of all agricultural students. Prerequisite: Economics 1a. Mr. Hibbard, Mr. Allin.

8. Farm Records and Accounts. II; 2 cr. Mr. Haas.

10. Farm Organization and Management. II; 3 cr. Mr. McNall.

14. Farm Business and Legal Practice. II; 3 cr. Mr. Riley.

25. Rural Life. I; 3 cr. Prerequisite: Sophomore standing. Mr. Kolb.

100. Thesis. Yr; 2 cr. Mr. Hibbard, Mr. Kolb, Mr. Macklin, Mr. McNall, Mr. Wehrwein.

FOR UNDERGRADUATES AND GRADUATES

107. Farm Cost Accounting. II; 2 cr. Prerequisite: Ag. Econ. 8 or equiv. alent. Mr. McNall.

117. Outlines of Land Economics. I; 3 cr. Prerequisite: Econ. 1a. Mr. Hibbard, Mr. Allin.

127. Co-operative Marketing. II; 2 cr. Prerequisite: Ag. Econ. 128. Mr. Macklin.

128. Marketing of Farm Products. II; 3 cr. Prerequisite: Ag. Econ. 1. Open to middle course sophomores. Mr. Macklin, Mr. Schaars.

140. Special Topics. Yr; credit to be arranged. Staff.

152. Farmer Movements. I; 2 cr. Prerequisite: Ag. Econ. 1. Mr. Allin.

FOR GRADUATES

225. Seminary in Rural Social Organization. I; 2 cr. Mr. Kolb.

226. Land Problems. Yr; 2 cr. Mr. Hibbard, Mr. Wehrwein.

229. Advanced Agricultural Economics. Yr; 2 cr. Recent works in English, German, and French will be used. Mr. Hibbard.

240. Research. Yr;* cr. Co-operation and marketing, Mr. Macklin; Farm surveys and financial accounts in their relation to farm management, Mr. McNall; Cost accounting and its relation to farm management, Mr. McNall; History of agricultural production and land problems, Mr. Hibbard; Rural life, Mr. Kolb; Farmer movements and farm credit.

AGRICULTURAL EDUCATION

Professors Hatch, James (Chairman), Mortimer
Associate Professors Bewick, Tiffany
Assistant Professor Kivlin

The courses in agricultural education are for students who expect to teach agriculture in college, normal schools, high schools, or vocational schools, to serve as principals of schools in rural communities, or to engage in agricultural extension as county agents or extension specialists.

FOR UNDERGRADUATES

A. EDUCATIONAL PRACTICE. I, II; 2 cr. Mr. Mortimer.

1. RURAL EDUCATION. II; 2 cr. Mr. James.

5. JUNIOR EXTENSION. I; 2 cr. Not given 1927-28. Mr. Bewick and staff.

100. THESIS. Yr; 2 cr. Mr. Hatch, Mr. James, Mr. Tiffany.

FOR UNDERGRADUATES AND GRADUATES

103. SEMINARY IN AGRICULTURAL EDUCATION. Yr; *cr. Mr. James.

110. TRAINING COURSE FOR COUNTY AGENTS. II; 2 cr. Open only to seniors and graduate students. Not given 1927-28. Mr. Hatch.

128. TEACHING OF AGRICULTURE IN HIGH SCHOOLS. II; 2 cr. Prerequisite: Ag. Education 1 and senior standing. Mr. Tiffany.

140. THE TEACHING OF PLANT PRODUCTION (AGRONOMY 140). I, II; 1 cr. Prerequisite: Ag. Education 1, Agronomy 1, and senior standing. Must be taken with Education A. Mr. Mortimer.

200. SPECIAL PROBLEMS—RESEARCH. Cr. to be arranged. Mr. Hatch, Mr. James, Mr. Tiffany.

AGRICULTURAL ENGINEERING

PROFESSORS E. R. JONES (Chairman), SWENEHART
ASSOCIATE PROFESSOR DUFFEE
ASSISTANT PROFESSORS ROWLANDS, ZEASMAN
INSTRUCTORS HARTMAN, JEFFERSON, WILSON
ASSISTANT WOODS; FELLOWS KRUEGER (Industrial), WHITE (Honorary)

The Department of Agricultural Engineering has unusual facilities for giving practical work to students. Different types of tractors, engines, machinery, tools, and farm building equipment are loaned to the department by manufacturers each year for use in the lecture room, laboratory, and field. The university marsh offers an excellent drainage laboratory. Students may generalize or specialize in farm machinery, power machinery, farm buildings, land clearing, forestry, or land drainage.

Two groups of major students are recognized, depending upon the amount of mathematics and mechanics elected. The non-technical groups take only Mathematics 71. The technical group takes up a thread of mathematics commencing with Mathematics 51 in the freshman year and continuing through theoretical mechanics to applied mechanics in the senior year. The major includes 10 to 20 credits, with the thesis.

FOR UNDERGRADUATES

1. LAND SURVEYING AND DRAINAGE. I; 3 cr. Sophomore option. Lab. fee $1.50; deposit $2.00. Mr. Jones.

2. Farm Structures. I; 3 cr. Mr. Swenehart.

3. Gas Engines. I; 3 cr. Lab. fee $3.00; deposit $2.00. Mr. Duffee.

4. Concrete Construction. II; 2 cr. Mr. Jefferson.

5. Farm Field Machinery. II; 3 cr. Sophomore option. Lab. fee $1.50; deposit $2.00. Mr. Duffee.

8. Domestic Engineering. I; 2 cr. Given 1927-28 and in alternate years. Laboratory fee $1.50; deposit $2.00. Mr. Jones.

100. Thesis. Yr; 2 cr. Mr. Jones and staff.

FOR UNDERGRADUATES AND GRADUATES

101. Advanced Gas Engines and Farm Tractors. II; 3 cr. Prerequisite: Ag. Engr. 3. Lab. fee $3.00; deposit $2.00. Mr. Duffee.

102. Drainage Design. II; 2 cr. Prerequisite Ag. Engr. 1 or Top. Engr. 1 and 2. Mr. Jones.

105. Belt and Tractor Machinery. II; 2 cr. Prerequisites: Ag. Engr. 5 and 101 or concurrent registration. Given 1927-28 and in alternate years. Lab. fee $1.50; deposit $2.00. Mr. Duffee.

120. Research. Yr; cr. to be arranged. Mr. Jones and staff.

121. Seminary. Yr; 1 cr. Required of agricultural engineering majors. Staff.

ELECTIVES GIVEN IN THE COLLEGE OF ENGINEERING

7. Country Roads. I; 1 cr. Mr. Smith.

13. General Carpentry. I, II; 1 cr. Lab. fee $3.00. Mr. Tice.

14. General Forge and Bench Work. I, II; 1 cr. Lab. fee $3.00. Mr. Schumann.

ELECTIVES GIVEN BY FOREST PRODUCTS STAFF

1. Forestry and Utilization of Wood. I; 2 cr. Open to any student. General introductory course. Includes identification of native trees, forest conditions and forest policy in the United States, and utilization of wood. Mr. Tiemann.

102. Wood Technology. II; 2 cr. Includes a study of the formation, structure, and properties of wood, laboratory identification of United States species of wood. Forms a logical sequence to Course 1 but can be taken independently. Especially suited for students who expect to go into some wood-using business, or for students intending to specialize in forestry elsewhere. Mr. Tiemann.

AGRICULTURAL JOURNALISM

PROFESSOR HOPKINS (Chairman)
ASSOCIATE PROFESSOR SUMNER
INSTRUCTORS HOLT, LANGDON
ASSISTANTS OGILVIE, PITMAN
FELLOW BUNCE (Industrial); SCHOLAR RAISBECK

The ability to write simple, understandable English is invaluable to the teacher, extension worker, county and home demonstration worker, and farmer. To render the greatest service the technically trained worker must use the printed page. Selling and advertising are important in the neglected half of farming—the business side. More and more farmers are coming to appreciate the need of salesmanship, sales letter writing, effective classified and display advertisement, and systematic sales campaigns.

FOR GRADUATES

1. WRITING FARM NEWS. I, II; 3 cr. Prerequisite: Junior standing. Mr. Sumner.

2. PRACTICE IN EDITING. I, II; 1 cr. Mr. Sumner.

3. AGRICULTURAL ADVERTISING. II; 3 cr. Prerequisite: Junior standing. Mr. Sumner.

8. WRITING HOME ECONOMICS NEWS. I; 3 cr. Prerequisite: Sophomore standing. Mr. Sumner.

100. THESIS. Yr; 2 cr. Mr. Hopkins.

FOR UNDERGRADUATES AND GRADUATES

103. AGRICULTURAL PUBLICITY METHODS. II; 2 cr. Prerequisite: Agricultural Journalism 1 or 3. Mr. Hopkins.

104. THE HISTORY OF FARM PAPERS. II; 2 cr. Prerequisite: Agricultural Journalism 1. Mr. Sumner.

105. WRITING AND EDITING FARM BULLETINS. I; 2 cr. Prerequisite: Senior standing. Mr. Sumner.

106. ADVERTISING SURVEY FOR HOME ECONOMICS. II; 2 cr. Prerequisite: Junior standing. Mr. Sumner.

111. WRITING FARM AND HOME FEATURES. II; 2 cr. Prerequisite: Agricultural Journalism 1 or 8. Mr. Sumner.

140. METHODS AND PROBLEMS. I, II; cr. to be arranged. Prerequisite: Agricultural Journalism 1, 3, or 8. Mr. Hopkins, Mr. Sumner, Miss Langdon.

150. SEMINARY. I, Mr. Hopkins; II, Mr. Sumner.

AGRONOMY

Professors Delwiche, Graber, R. A. Moore (Chairman), Mortimer
Associate Professors Briggs, Leith, A. H. Wright
Assistant Professors Holden, Stone
Assistants Cartter, Midgley, Senn, Shands
Industrial Fellow Helgeson

FOR UNDERGRADUATES

1. General Farm Crops. I, II; 3 cr. Lab. fee $3.00; deposit $2.00. Mr. Mortimer.

100. Thesis. Yr; 2 cr.

FOR UNDERGRADUATES AND GRADUATES

101. Topical and Field Work. Yr; *cr. Staff.

102. Pastures and Pasture Crops. I; 2 cr. Prerequiiste: Agronomy 1. Mr. Mortimer.

104. Grain Crops. I; 2 cr. Lab. fee $1.50; deposit $2.00. Prerequisite: Agronomy 1. (Not offered 1927-28.) Mr. Leith.

106. Forage Crops. II; lect. 3 cr; lab. 1 cr. Lab. fee $1.50; deposit $2.00. Prerequisite for the laboratory work: Agronomy 1. Mr. Moore, Mr. Graber.

120. Seed and Weed Control. I; 3 cr. Lab. fee $3.00; deposit $2.00. Prerequisite: Agronomy 1. Mr. Stone.

121. Advanced Crop Judging. II; 2 cr. Lab. fee $3.00; deposit $2.00. Prerequisite: Agronomy 1. Mr. Mortimer.

130. Plant Breeding. II; 3 cr. Prerequisites: Agronomy 1 and Botany 1. Mr. Leith.

131. Seminary. Yr; 1 cr. Prerequisites: Agronomy 1 and Botany 1. Mr. Wright.

140. Teaching of Plant Husbandry. I, II; 1 cr. Prerequisites: Senior standing and concurrent registration in Agricultural Education A. Mr. Mortimer.

FOR GRADUATES

201. Research. Yr; *cr. Staff.

205. Crop Environment. II; 2 cr. (Not offered 1927-28.) Mr. Wright.

ANIMAL HUSBANDRY

PROFESSORS BOHSTEDT, FULLER, HENRY (Emeritus), HUMPHREY (Chairman)
ASSOCIATE PROFESSOR MUCKS
ASSISTANT PROFESSOR BRANT, FARGO, KLEINHEINZ*
INSTRUCTORS COLLENTINE, CRAMER, HARRIS, ROCHE, RUPEL
ASSISTANT OLIVER
FELLOWS INSKO, LATHROP (Industrial)

*Deceased October 17, 1928.

FOR UNDERGRADUATES

1. LIVESTOCK PRODUCTION. I, II; 3 cr. Required of all agricultural students. Mr. Fuller.

100. THESIS. Yr; 2 cr. Mr. Humphrey and staff.

FOR UNDERGRADUATES AND GRADUATES

124. ANIMAL BREEDING. II; 2 cr. Prerequisite: Animal Husb. 1. Mr. Fargo.

126. LIVESTOCK FEEDING. I; 4 cr. Prerequisite: Animal Husb. 1. Mr. Bohstedt.

129. SHEEP PRODUCTION. I; 2 cr. Prerequisite: Animal Husb. 1. Mr. Kleinheinz.

130. SWINE PRODUCTION. I; 3 cr. Prerequisites: Animal Husb. 1 and 126. Mr. Fargo.

131. HORSE PRODUCTION. I; 2 cr. Prerequisite: Animal Husb. 1. Mr. Fuller.

132. BEEF CATTLE PRODUCTION. II; 2 cr. Prerequisite: Animal Husb. 1. Mr. Fuller.

133. DAIRY CATTLE AND MILK PRODUCTION. II; 3 cr. Prerequisite: Animal Husb. 1. Mr. Rupel.

134. SPECIAL PROBLEMS. Yr; *cr. Consent of instructor required. Mr. Fuller and staff.

135. ANIMAL HUSBANDRY SEMINARY. Yr; 1 cr. Mr. Bohstedt.

FOR GRADUATES

230. RESEARCH. Yr; *cr. For graduates and students majoring in animal husbandry. Prerequisites: Courses 1, 2, 126. Mr. Bohstedt and staff.

240. FIELD PROBLEMS. Yr; 3 or 4 cr. Work to be done *in absentia*. Mr. Harris, Mr. Humphrey.

DAIRY HUSBANDRY

PROFESSORS FARRINGTON (Emeritus), JACKSON (Chairman), SOMMER
ASSOCIATE PROFESSOORS SAMMIS
INSTRUCTOR SONDERGAARD, THOMSEN; ASSISTANT CORUTHERS
RESEARCH ASSISTANT BUCK
FELLOW TEMPLETON (Industrial), WALTS

The department offers instruction in the theory and art of manufacturing dairy products, suited to the needs of (a) farm dairymen, (b) investigators or teachers, (c) managers, operators, or inspectors of creameries, cheese factories, city milk and ice cream plants. Students intending to major in this department should elect courses 2, 3, and 4 at the beginning of the junior year.

FOR UNDERGRADUATES

1. GENERAL FARM DAIRYING. II; 3 cr. Sophomore option. Lab. fee $3.00; deposit $2.00. Mr. Jackson, Mr. Thomsen.

2. DAIRY TECHNOLOGY. I; 1 or 3 cr. Prerequisite: Dairy Husb. 1. Lab. fee $3.00; deposit $2.00. Mr. Sommer.

3. CREAMERY OPERATION AND MANAGEMENT. 1, 2, or 3 cr. Lab. fee $3.00; deposit $2.00. Mr. Jackson, Mr. Thomsen.

4. CHEESE FACTORY OPERATION AND MANAGEMENT. Yr; 3 cr. Lab. fee $3.00; deposit $2.00. Mr. Sammis.

5. CITY MILK SUPPLY AND ICE CREAM MAKING. II; 3 cr. Lab. fee $3.00; deposit $2.00. Mr. Sommer.

8. DAIRY MECHANICS. II; 3 cr. Lab. fee $1.50; deposit $2.00. Mr. Thomsen.

100. THESIS. Yr; 2 cr. Staff.

FOR UNDERGRADUATES AND GRADUATES

102. DAIRY PRACTICE. I, II; 1 cr. for each forty-eight hours of work with a maximum of 4 cr. Lab. fee $1.50 per cr. Mr. Thomsen.

120. ADVANCED MARKET MILK PROBLEMS. Yr; 1 to 3 cr. Prerequisite: Dairy Husb. 5. Mr. Sommer.

121. ADVANCED DAIRY MANUFACTURING PROBLEMS. Yr; 1 to 3 cr. Prerequisite: Dairy Husb. 3. Mr. Jackson.

122. ADVANCED CHEESE MAKING AND CURING PROBLEMS. Yr; 1 to 3 cr. Prerequisite: Dairy Husb. 4. Mr. Sammis.

123. SEMINARY. Yr; 1 cr. For advanced and graduate students. Mr. Sommer.

FOR GRADUATES

230. RESEARCH. *Cr. For advanced students. Mr. Jackson and staff.

ECONOMIC ENTOMOLOGY

PROFESSOR WILSON (Chairman)
ASSISTANT PROFESSORS FLUKE, GRANOVSKY
INSTRUCTORS MARVIN, WHITCOMB
ASSISTANT ROE

The courses provided in this department are designed primarily to meet the needs of students specializing in other departments. Special courses of study are provided for students who desire to specialize in entomology, but special students are expected to be able to do more or less original research work upon their own initiative.

FOR UNDERGRADUATES

1. FARM INSECTS. II; 3 cr. Sophomore option. Lab. fee $3.50. Mr. Fluke.

2. ELEMENTARY ECONOMIC ENTOMOLOGY. I; 3 cr. Mr. Fluke.

10. ELEMENTARY BEEKEEPING. I; 2 cr. Lab. fee $1.50; deposit $2.00. Mr. Wilson, Mr. Marvin.

100. THESIS. Yr; 2 cr. For advanced and graduate students specializing in entomology. Mr. Wilson.

FOR UNDERGRADUATES AND GRADUATES

103. ORCHARD INSECTS. I; 2 cr. Prerequisite: Economic Entomology 1 or Zoology 3. Given 1926-27 and in alternate years. Lab. fee $3.00; deposit $2.00. Mr. Fluke.

105. FIELD CROP AND GARDEN INSECTS. I; 2 cr. Prerequisite: Economic Entomology 1 or Zoology 3. Given 1927-28 and in alternate years. Lab. fee $3.00; deposit $2.00. Mr. Granovsky.

110. COMMERCIAL HONEY PRODUCTION. II; 2 cr. A continuation of Economic Entomology 10. Lab. fee $3.00; deposit $2.00. Mr. Wilson, Mr. Marvin.

115. SEMINARY. Yr; 1 cr. For advanced and graduate students. Mr. Wilson.

120. RESEARCH WORK. Yr; *cr. Mr. Wilson, Mr. Fluke, Mr. Granovsky.

FOR GRADUATES

220. RESEARCH. Yr; *cr. Mr. Wilson.

FORESTRY

See Forest Products Laboratory, page 375.

GENETICS

PROFESSOR COLE (Chairman)
ASSOCIATE PROFESSOR BRINK
ASSISTANTS BURNHAM, HAWKINS, VAN LONE, WADE, ZEIMET
RESEARCH ASSISTANT RODOLFO
FELLOWS BASHEROV, KUHLMAN (Honorary); SCHOLAR NEAL (Honorary)

The following courses are designed for those who desire a general knowledge of the subjects of heredity and breeding, or who contemplate following these lines, either from the theoretical or practical point of view. Special opportunity is offered those doing advanced work to get practical experience in the methods of experimental breeding.

FOR UNDERGRADUATES

100. THESIS. Yr; 2 cr. Mr. Cole.

FOR UNDERGRADUATES AND GRADUATES

101. PRINCIPLES OF BREEDING. I; 3 cr. Prerequisite: A course in biology. Mr. Cole.

102. ELEMENTARY LABORATORY. I; 1 or 2 cr. Prerequisite: Genetics 101 or concurrent registration therein. Lab. fee, $1.50 per cr.; deposit $2.00. Mr. Brink, Mr. Hawkins.

104. PLANT GENETICS. I; 3 cr. Prerequisite: Genetics 101 or equivalent in Departments of Botany or Zoology. Mr. Brink.

105. ANIMAL GENETICS. II; 2 cr. Prerequisite: Same as for Genetics 104 Mr. Cole.

106. BIOMETRIC METHODS. II; 2 cr. Prerequisite: Same as for Genetics 104. Mr. Brink.

120. SEMINARY. Yr; 1 cr. Consent of instructor required before election. Mr. Cole.

121. TOPICAL WORK. Yr; *cr. Consent of instructor required. Mr. Brink, Mr. Cole.

FOR GRADUATES

225. RESEARCH. Yr; * cr. Mr. Brink, Mr. Cole.

For other courses in heredity and evolution see Botany 154 and 156, and Zoology 6, 107, and 115 in the College of Letters and Science.

HOME ECONOMICS

CLOTHING AND TEXTILES

ASSOCIATE PROFESSOR MANNING (Chairman)
INSTRUCTORS JUAIRE, TYRRELL
ASSISTANT ABRY

5. INTRODUCTION TO TEXTILE STUDY. I; 2 or 3 cr. Lab. fee $5.00; deposit $2.00. Miss Tyrrell.

10. CLOTHING ECONOMICS. I; 2 cr. Miss Manning.

11. PROBLEMS IN CLOTHING CONSTRUCTION. II; 3 cr. Prerequisites: Home Economics 2, 5, and 20. Lab. fee $5.00; deposit $2.00. Miss Manning, Miss Juaire.

32. CHILDREN'S CLOTHING. II; 2 cr. Prerequisite: Home Economics 5. Lab. fee $5.00; deposit $2.00. Miss Manning.

50. TEXTILES. II; 3 cr. Prerequisites: Agr. Chem. 3, Home Economics 2, 5. Lab. fee $5.00; deposit $2.00. Miss Tyrrell, Miss Abry.

92 (353). SEMINARY IN CLOTHING METHODS. I; 2 cr. Miss Manning, Miss Juaire, Miss Tyrrell.

96. HOUSEHOLD CRAFTS. I; 2 cr. Lab. fee $5.00; deposit $2.00. Miss Tyrrell.

97. ADVANCED CLOTHING CONSTRUCTION. II; 2 cr. Prerequisite: Home Economics 11 and 20. Lab. fee $5.00; deposit $2.00. Miss Manning.

FOR SENIORS AND GRADUATES

100. THESIS. Yr; 2 cr. Miss Manning and staff.

102. TOPICAL WORK. Yr; cr. to be arranged. Miss Manning, Miss Tyrrell, Miss Juaire.

103. ECONOMIC HISTORY OF TEXTILE INDUSTRY. II; 2 cr. Miss Manning.

104. HISTORY OF COSTUME. I; 2 cr. Lab. fee $3.50; deposit $2.00. Miss Manning.

106. HISTORY OF AMERICAN COSTUME. II; 2 cr. Lab. fee $3.50; deposit $2.00. Miss Manning.

FOODS AND ADMINISTRATION

PROFESSOR MARLATT (Chairman)
ASSOCIATE PROFESSOR DODGE
ASSISTANT PROFESSORS BANE, COWLES, HALE, HENDERSON, PARSONS
LECTURER MENDENHALL
INSTRUCTORS BETTINGER, CLOW, GUNDERSON, JONES, PATTON, REYNOLDS, SUTHERLAND
ASSISTANTS HIPPAKA, MYRLAND, STEVENSON
FELLOW FAVILLE

FOR UNDERGRADUATES

1a. ELEMENTARY DIETETICS. I; 2-4 cr. Lab. fee $3.50-$5.00; deposit $2.00. Miss Marlatt, Mrs. Bettinger.

1b. ELEMENTARY HOUSE MANAGEMENT. II; 2-4 cr. Lab. fee $3.50-$5; deposit 62. Miss Bane and staff.

3. INTRODUCTION TO FOOD STUDY. II; 3 cr. Prerequisite: High-school chemistry or physics, or Chemistry 1a or biology. Lab. fee $5.00; deposit $2.00. Miss Marlatt and staff.

4. ECONOMIC PROBLEMS OF FOOD SUPPLY. I; 3 cr. Prerequisites: Chemistry 1, Agricultural Chemistry 3, Agricultural Bacteriology 4, Home Economics 3. Lab. fee $5.00. Miss Patton, Miss Bane.

6. NUTRITION AND DIETETICS. II; 2 cr. Prerequisites: Home Economics 3 and 4, Physiology 1. Mrs. Bettinger, Mrs. Reynolds.

16. DIETETICS LABORATORY. II; 2 cr. Prerequisite: Home Economics 6 or concurrent registration. Lab. fee $5.00; deposit $2.00. Mrs. Reynolds, Mrs. Bettinger, Miss Sutherland.

7. HOUSE ARCHITECTURE AND SANITATION. I, II; 2 cr. Prerequisite: Home Economics 2. Miss Marlatt.

17. HOUSE ARCHITECTURE LABORATORY. I; 2 cr. Prerequisite: Home Economics 7 or concurrent registration. Lab. fee $5.00; deposit $2.00. Miss Marlatt, Mrs. Gunderson.

9. INTRODUCTION TO HOME ECONOMICS. I; 1 cr. Staff.

22. MARKETING AND LARGE QUANTITY COOKERY. I, II; 2 cr. Lab. fee $5.00; deposit $2.00. Miss Dodge.

47. DIET PROBLEMS IN FEEDING CHILDREN. I; 3 cr. Lab. fee $3.50; deposit $2.00. Mrs. Bettinger.

70. HOUSING THE WORKER. I; 2 cr. Not given 1927-28. Miss Cowles.

72. HOME NURSING. I; 1 or 2 cr. Miss Murray.

90 (352). TEACHERS COURSE. I, II; 2 cr. Prerequisite: Senior standing. Lab. fee $3.50; deposit $2.00. Miss Henderson, Miss Jones.

EDUC. A. DIRECTED TEACHING. I, II; 2 cr. Mr. Miller, Miss Henderson, Miss Jones.

FOR SENIORS AND GRADUATES

100. THESIS. Yr; 2 cr. Miss Marlatt and staff.

101. RESEARCH WORK. Yr; cr. to be arranged. Miss Dodge, Miss Marlatt, Miss Clow.

102. TOPICAL WORK. Yr; cr. to be arranged. Miss Bane, Miss Dodge, Miss Marlatt, Mrs. Reynolds.

105. EXPERIMENTAL FOOD STUDY. I; 2 cr. Lab. fee $3.50; deposit $2.00. Miss Marlatt.

109. HUMANICS. II; 1 to 4 cr. Prerequisite: Senior standing. Miss Marlatt.

110. HOUSEHOLD ADMINISTRATION. I; 2 cr. Miss Bane.

112. HOUSEHOLD ADMINISTRATION LABORATORY. I; 2 cr. Prerequisites: Chemistry 1, Agricultural Bacteriology 4, Physics 1 or 65, Home Economics 2, 3. Lab. fee $5.00; deposit $2.00. Miss Marlatt, Miss Sutherland.

120. SEMINARY, ECONOMIC PROBLEMS OF CONSUMPTION. II; 2 cr. Miss Bane.

122. ORGANIZATION AND ADMINISTRATION OF INSTITUTIONS. I; 2 cr. Miss Dodge.

124 (357). VOCATIONAL EDUCATION IN HOME MAKING. II; 2 cr. Miss Henderson.

125. DIETETHERAPY. I; 3 cr. Prerequisites: Home Economics 6 and 16. Lab. fee $3.50; deposit $2.00. Mrs. Reynolds, Miss Clow.

126. EXTENSION COURSE IN HOME ECONOMICS. II; 2 cr. Lab. fee $3.50; deposit $2.00. Miss Bane.

133. TEA ROOM AND CAFETERIA MANAGEMENT. I, II; 3 cr. Lab. fee $5.00; deposit $2.00. Miss Dodge, Miss Patton.

134. INSTITUTIONAL EQUIPMENT AND FURNISHING. II; 2 cr. Prerequisites: Food major, senior standing. Miss Dodge and staff.

190 (358). ADVANDED COURSE IN HOME ECONOMICS EDUCATION. II; 2 cr. Prerequisite: Teaching experience or graduate standing. Miss Henderson.

222. LABORATORY AND RESEARCH WORK. II; 1-4 cr. Service as interne in the University Commons. Miss Dodge.

223. SEMINARY ON HOUSING PROBLEMS. (I; 2 or 3 cr. Miss Cowles, Miss Marlatt.

290 (361). SUPERVISION IN HOME ECONOMICS. I; 2 cr. Miss Dodge.

RELATED ART

ASSOCIATE PROFESSOR HILLSTROM (Chairman)
INSTRUCTORS ALLEN, HOLMES, RANDOLPH

FOR UNDERGRADUATES

2. ART AND DESIGN. I; 3 cr. Lab. fee $5.00; deposit $2.00. Miss Hillstrom and staff.

8. HOUSE DECORATION. II; 2 cr. Prerequisite: An elementary course in design. Miss Hillstrom, Miss Allen.

18. HOUSE DECORATION LABORATORY. II; 2 cr. Prerequisite: Home Econ. 8 or concurrent registration. Lab. fee $5.00; Deposit $2.00. Miss Holmes.

20. COSTUME DESIGN. I or II; 2 cr. Prerequisite: Home Economics 2, Applied Arts 62, or consent of instructor. Lab. fee $5.00; deposit $2.00. Mrs. Randolph.

93. DESIGN FOR PLAYS AND PAGEANTS. II; 2 cr. Prerequisite: An elementary course in design. Lab. fee $5.00; deposit $2.00. Mrs. Randolph.

94 (354). ADVANCED APPLIED DESIGN. II; 3 cr. Prerequisite: Home Economics 2, Applied Arts 62, or consent of instructor. Lab. fee $5.00; deposit $2.00. Miss Hillstrom.

95. WEAVING. I; 2 or 3 cr. Prerequisite: Home Econ. 2, Applied Arts 62, or consent of instructor. Lab. fee $3.50-$5.00; deposit $2.00. Miss Allen.

FOR SENIORS AND GRADUATES

100. THESIS. Yr; 2 cr. Miss Hillstrom and staff.

102. TOPICAL WORK. Yr; cr. to be arranged. Miss Hillstrom and staff.

116. SEMINARY IN INTERIOR DECORATION. I, II; 2 cr. Prerequisite: Senior standing and a knowledge of history and of historic styles of ornament. Miss Hillstrom.

194 (360). PROBLEMS IN TEACHING RELATED ARTS. I; 2 cr. Miss Hillstrom.

HORTICULTURE

PROFESSORS JOHNSON, MILWARD, J. G. MOORE (Chairman)
ASSOCIATE PROFESSORS AUST, ROBERTS
ASSISTANT PROFESSOR BRANN
INSTRUCTORS BURK, KUEHNER, POPHAM
ASSISTANTS FINCH, GOSSARD, HOGGAN, KENDALL, THOMAS
RESEARCH ASSISTANTS MOGENDORFF, OGDEN
FELLOWS CAMPBELL (Industrial), DROUGHT. (Research), MEYER (Industrial)

FOR UNDERGRADUATES

1. PRINCIPLES OF FRUIT GROWING. I; 3 cr. Sophomore option. Lab. fee $1.50; deposit $2.00. Mr. Moore.

2. Advanced Fruit Growing. Yr; 2 cr. Prerequisite Hort. 1 or consent of instructor. Lab. fee $1.50; deposit $2.00. Mr. Roberts.

3. Vegetable Gardening. II; 3 cr. Sophomore option. Lab. fee $3.00; deposit $2.00. Mr. Moore.

4. Vegetable Forcing. Yr; I, 3 cr; II, 2 cr. Prerequisite: Consent of instructor. Lab. fee $3.00; deposit $2.00. Not given 1927-28. Mr. Moore.

5. Small Fruit Culture. I; 2 cr. Mr. Moore.

6. Landscape Gardening.* I; 3 cr. Lab. fee $3.00; deposit $2.00. Mr. Aust, Mr. Popham.

7. Plant Propagation. II; 2 cr. Lab. fee $1.50; deposit $2.00. Mr. Moore.

8. Floriculture. II; 3 cr. Designed for women. Lab. fee $1.50; deposit $2.00. Mr. Moore.

11. Potatoes and Truck Crops. I; 2 cr. Lab. fee $1.50; deposit $2.00. Not given 1927-28. Mr. Milward.

100. Thesis. Yr; 2 or more cr. Fees depend upon character of thesis work. Mr. Aust, Mr. Johnson, Mr. Moore, Mr. Roberts.

FOR UNDERGRADUATES AND GRADUATES

110. Seminary. Yr; 1 cr. Prerequisite, consent of instructor. Mr. Roberts.

121. Experimental Horticulture. Yr; 1 to 5 cr. Prerequisite: Consent of instructor. Fees depend upon character of problems. Mr. Aust, Mr. Johnson, Mr. Moore, Mr. Roberts.

122. Systematic Pomology. I; 3 cr. Prerequisite: Consent of instructor. Lab. fee $1.50; deposit $2.00. Not given 1927-28. Mr. Moore.

125. Advanced Landscape Gardening.* II; 2 cr. A continuation of Hort. 6, which is prerequisite. Lab. fee $3.00; deposit $2.00. Mr. Aust, Mr. Longenecker.

126. Rural Improvement. I; 2 or 3 cr. Prerequisite: Economics 1a. Mr. Aust.

*See also City Planning, College of Engineering.

LIBRARY

Assistant Professor Hean, Librarian

Ability of students to make efficient use of the resources of the libraries of the University is a valuable asset in all of their college work and greatly enhances the usefulness of these collections. A course in library practice should therefore prove useful to all students and especially so to those preparing to become research workers, extension workers, teachers or writers whose duties will require constant reference to books.

1. Library Practice. I; 1 cr. Mr. Hean.

PLANT PATHOLOGY

PROFESSORS DICKSON, GILBERT, L. R. JONES (Chairman), KEITT, VAUGHAN
ASSOCIATE PROFESSOR WALKER
ASSISTANT PROFESSORS BRANN, A. J. RIKER
CURATOR DAVIS; LECTURER COLLEY
INSTRUCTOR P. W. MILLER; ASSISTANT BERTHA MILLER
RESEARCH ASSOCIATE SMITH; RESEARCH ASSISTANTS ALEXANDER, A. D. DICKSON, HAMILTON, HARRIS, PEARSON, REGINA RIKER, WILSON, ZAUMEYER
FELLOWS ANGELL, BLANK; INDUSTRIAL FELLOW IVANOFF; HONORARY FELLOWS BARSS, GRAINGER

FOR UNDERGRADUATES

5. CROP DISEASES AND THEIR CONTROL. I; 2 cr. Lab. fee $1.50; deposit $2.00. Mr. Vaughan and staff.

100. THESIS. Yr; 2 cr. Investigation of some problem in plant pathology. Subject should be chosen early, preferably the preceding spring, in order to take advantage of the summer season to secure material. Mr. Jones and staff.

FOR UNDERGRADUATES AND GRADUATES

101. DISEASES OF PLANTS. I; 3 cr. Prerequisites: Botany 1 and Agricultural Bacteriology 1. Lab. fee $2.00; deposit $3.00. Mr. Jones, Mr. Gilbert.

102. METHODS IN PLANT PATHOLOGY. I; 3 cr. Prerequisite: Plant Pathology 101. Lab. fee $3.00; deposit $2.00. Mr. Keitt and assistants.

104. MORPHOLOGY OF FUNGI. I; 3 cr. Prerequisite: Botany 1. Lab. fee $3.00; deposit $1.00. Mr. Gilbert.

116. DISEASES OF FIELD CROPS. II; 2 cr. Arranged to meet the needs of students in plant pathology and agronomy. Prerequisite: Plant Pathology 101. Lab. fee $1.50; deposit $2.00. Given 1927-28 and in alternate years. Mr. Dickson.

117. DISEASES OF ORCHARD FRUITS. II; 2 cr. A study of the more important diseases of deciduous orchard fruits. Prerequisite: Plant Pathology 101. Lab. fee $1.50; deposit $2.00. Given 1927-28 and in alternate years. Mr. Keitt.

119. DISEASES OF TIMBER. I; 2 cr. Prerequisite: Plant Pathology 101. Lab. fee $1.50; deposit $2.00. Given 1927-28 and in alternate years. Mr. Colley.

120. DISEASES OF VEGETABLE CROPS. II; 2 cr. Prerequisite: Plant Pathology 101. Lab. fee $1.50; deposit $2.00. Given 1928-29 and in alternate years. Mr. Jones, Mr. Walker.

122. FUNGICIDES IN RELATION TO HOST AND PARASITE. II; 1 cr. Prerequisite: Plant Pathology 101. Given 1928-29 and in alternate years. Mr. Keitt.

FOR GRADUATES

220. Advanced Mycology. Yr; 2 cr. Prerequisite: Plant Pathology 104. Lab. fee $1.50; deposit $.50. Mr. Gilbert.

221. Classification of Parasitic Fungi. Yr; 1 cr. Prerequisite: Plant Pathology 101 or 104. Mr. Davis.

223. Seminary in Plant Pathology. Yr; 1 cr. Mr. Jones and staff.

225. Research. Yr; cr. to be arranged. Staff.

252. Cytology of Fungi. II; 2 cr. Prerequisites: Botany 104 and 150. Lab. fee $3.00; deposit $1.00. Mr. Gilbert.

POULTRY HUSBANDRY

Professor Halpin (Chairman)
Assistant Professor Hayes
Instructors Annin, Holmes
Assistant Johnson

The following courses are designed to give the student an understanding of the principles of practical poultry raising, as well as the technical knowledge needed for commercial poultry, farming and for educational work in poultry husbandry. Students majoring in the department may specialize in such a manner that they can engage in commercial poultry farming, enter into one of the various lines of commercial work with which poultry husbandry is related, or take up educational work along the lines of extension, instruction, or research. The poultry department is well equipped with houses for laying stock and for brooding chicks. It also has a very complete assortment of incubators, brooders, and other modern poultry equipment. The present stock consists of twenty varieties of chickens, two varieties of ducks, and two breeds of geese.

Major: 15-25 credits, including thesis or research project.

FOR UNDERGRADUATES

1. Poultry Raising. I; 3 cr. Sophomore option. Lab. fee $1.50; deposit $2.00. Mr. Holmes.

2. Poultry Raising. II; 2 cr. Continuation of course 1. Lab. fee $1.50; deposit $2.00. Mr. Holmes.

5. Artificial Incubation and Brooding. II; 1 to 3 cr. Prerequisite Poultry Husb. 2 or concurrent registration. Lab. fee $1.50 per cr; deposit $2.00. Mr. Holmes, Mr. Johnson.

8. Market Poultry. I; 1 or 2 credits. Prerequisite: Poultry Husb. 1. Lab. fee $1.50; deposit $2.00. Mr. Holmes, Mr. Johnson.

100. Thesis. Yr; 2 cr. Mr. Halpin, Mr. Holmes.

FOR UNDERGRADUATES AND GRADUATES

106. Poultry Judging. I; 3 cr. Prerequisite: Course 1. Lab. fee $1.50; deposit $2.00. Mr. Halpin.

107. Advanced Poultry Management. II; 3 cr. Prerequisites: Poultry Husb. 1 and 2 or Animal Husbandry 126. Mr. Halpin, Mr. Holmes.

120. Research Work. Yr; *cr. Mr. Halpin, Mr. Holmes.

SOILS

Professors Musbach, Truog, Whitson (Chairman)
Associate Professors Graul, Richards
Assistant Professors Chapman, Geib, Zeasman
Instructors Albert, Hull
Assistants Fink, Weyker
Research Associate Heck; Research Assistant Thomas
Honorary Fellows, Cowart, Snider,
Scholar Chucka

Course 1 is prerequisite to all other courses except course 125. Course 122 may be elected by middle course sophomores. Courses 1, 3, and 120 are general in character and are adapted to the needs of all students of agriculture. Advanced students specializing in this subject are advised to elect courses in chemistry, soils bacteriology, plant physiology, agronomy, or geology, according to their special needs, during their senior and graduate years. The summer period is particularly suited to advanced work in soil fertility. For courses offered see summer session bulletin.

FOR UNDERGRADUATES

1. Principles of Soil Fertility. I; 5 cr. Prerequisite: Chemistry 1. Lab. fee $3.00; deposit $2.00. Mr. Graul and assistants.

100. Senior Thesis. Yr; 2 cr. Mr. Whitson and staff.

FOR UNDERGRADUATES AND GRADUATES

120. Soil Management. I; 2 cr. Prerequisite: Soils 1. Mr. Whitson.

121. Soil Analysis. II; 2-4 cr. Prerequisites: Soils 1 and Chem. 12. Lab. fee $3.00; deposit $2.00. Mr. Truog.

122. Soil Physics and Tillage. II; 2-3 cr. Prerequisite: Soils 1. Lab. fee $1.50 per credit; deposit $2.00. Mr. Graul.

125. Soil and Land Classification and Agricultural Climatology. II; 3 cr. Mr. Whitson.

127. Soil Science. I; 2 cr. Prerequisite: Soils 1 or graduate standing. Mr. Truog.

128. Seminary. Yr; 1 cr. Mr. Whitson, Mr. Truog.

FOR GRADUATES

228. FIELD COURSE. Yr; 2 to 4 cr. Prerequisite: Soils 1. Mr. Whitson, Mr. Musbach, Mr. Albert.

231. RESEARCH. Yr; *cr. Mr. Whitson, Mr. Truog, Mr. Graul.

VETERINARY SCIENCE

PROFESSORS ALEXANDER, HADLEY (Chairman)
ASSOCIATE PROFESSOR BEACH
INSTRUCTOR STRANGE; FELLOW MILLER (Industrial)

The studies offered by the Department of Veterinary Science are designed to give students interested in animal production an opportunity to learn how the animal body is constructed and functions. With this as a basis, the more important diseases of livestock are studied, especial emphasis being placed on methods of preventing these diseases. The laboratory method of presentation is largely employed. Besides providing an opportunity to secure information relative to animal breeding and veterinary bacteriology, these studies introduce the student to terms commonly used in veterinary science and thus provide a means by which a reading knowledge of veterinary literature may be acquired.

FOR UNDERGRADUATES

1. THE ANIMAL BODY. I; 3 cr. Sophomore option. Mr. Hadley.

2. DISEASES OF HORSES AND SWINE. II; 2 cr. Mr. Hadley.

3. DISEASES OF CATTLE AND SHEEP. I; 2 cr. Mr. Hadley, Mr. Alexander.

FOR UNDERGRADUATES AND GRADUATES

124. TOPICAL WORK. Yr; cr. to be arranged. Prerequisite: Veterinary Science 1. Mr. Hadley and staff.

125. DISEASES OF POULTRY. II; 2 cr. Prerequisite: Veterinary Science 1 or Poultry Husbandry 1. Given 1927-28 and in alternate years. Mr. Beach.

126. INFECTION AND IMMUNITY. II; 3 cr. Prerequisite: A course in bacteriology. Given 1928-29 and in alternate years. Mr. Hadley, Mr. Strange.

PART V—THE UNDERGRADUATE SCHOOLS

LAW SCHOOL

MEDICAL SCHOOL

SCHOOL OF NURSING

LAW SCHOOL

H. S. Richards, Dean, Jackson Professor of Law

Professors Gilmore, Page, Richards, Rundell, Smith (Emeritus), Wickhem
Assistant Professors Brown, Rice, Sharp
Lecturers Boesel, La Follette, Rosenberry, Sanborn, Wingert

OBJECT OF THE COURSE

The Law School offers a course of study covering a period of three years. It is designed to teach the fundamental principles of the English and American Law in a thorough manner, and to fit the student for the active practice of the profession.

ADMISSION

Applicants who are candidates for a degree, see pages 40-54.

Applicants for admission who are not candidates for a degree, but who can satisfy the general entrance requirements and who are 21 years of age, will be admitted as unclassified students and will be entitled to all the privileges of the school in the way of instruction. An opportunity is thus afforded to prepare for the bar examination in this and other states. The number of unclassified students admitted each year is limited to ten per cent of the average number of students first entering the school during each of the two preceding years.

The entrance examinations are conducted at the same time and by the same members of the faculty as the examination of candidates for admission to the College of Letters and Science.

In addition to the other entrance requirements, all candidates for admission to the Law School, whether graduates of accredited high schools or not, are required to take the regular entrance examination in English required for admission to the College of Letters and Science, except students of the University who have already passed such examination, and graduates of other approved colleges and universities. But the faculty may require any student to take additional work in English if, in their judgment, it is necessary.

Those intending to apply for examination for admission to the first year class as special students should notify the Registrar of the University before the beginning of the year and apply for directions, as examinations cannot be taken later.

ADMISSION AFTER JANUARY 1, 1929

Notice is hereby given that by action of the Board of Regents, the following requirements for admission will be effective as to all students entering the school after January 1, 1929:

Candidates for the degree of Bachelor of Laws must have had three years of college work equivalent to the first three years of the College of Letters and Science of the University of Wisconsin.

Unclassified students.—Students who have had two years of college work equivalent to the first two years of the College of Letters and Science of the University of Wisconsin will be permitted to enter the Law School as unclassified students subject to all regulations and requirements other than those here specified, but not as candidates for the degree in law.

These requirements can be satisfied by taking the prescribed work required for senior standing in the B.A. or the Ph.B. (general) courses in the College of Letters and Science, University of Wisconsin, or the completion of three years' work in any reputable college or university whose work is recognized by the University of Wisconsin. Attention is called to the possibilities of the combined course under which the student can obtain degrees in Arts and Law in six years.

PRE-LEGAL STUDIES

The prospective law student should select in the first two years of his college course those subjects that require precision in thought for their mastery, such as mathematics, foreign languages, natural or physical science. A knowledge of Latin is not indispensable to law study, but its study is strongly recommended not only for its disciplinary value, but as a means of developing a clear, strong English style in writing and speaking. Such a power is of the greatest value to the lawyer. Slovenly and diffuse expression in writing and speaking indicates inferior training and confused thinking.

The fundamental doctrines of the law dealing with the rights of the person and of property must be studied in their historical background. A student preparing for law should be well grounded in the history of England and the United States, particularly in those courses of an institutional character. Students who desire to pursue advanced work in Roman law, jurisprudence, or the history and philosophy of law, will find a reading knowledge of German and French indispensable. For prelegal courses recommended, see separate announcement of the Law School.

ADVANCED STANDING

Candidates for advanced standing who can comply with the general entrance requirements of the school as above set out will be given equivalent credit for satisfactory work done in other law schools in good standing having a three-year course, upon presenting properly, authenticated certificates of such work. The right is reserved to require examinations in all cases where the credits presented are not regarded as equivalent.

Students in the College of Letters and Science may elect courses in the

Law School toward their Arts degree. By enrolling in the combined course in Arts and Law, advanced standing not to exceed 26 credits may be obtained in the Law School.

All persons from other universities or colleges who intend to apply for advanced standing under the above rules should forward or present their credentials to the Dean of the School at least one week before the opening of the particular session which the student desires to attend.

GRADUATION

The degree of Bachelor of Laws will be conferred upon all candidates who are at least 21 years of age, who are of good character, who, in the judgment of the Faculty, possess satisfactory legal attainments, and who have complied with the following conditions:

(1) Credit for at least seventy-four semester hours (a semester hour is the equivalent of one hour a week for a semester) with a weighted average of Fair.

(2) Residence of at least three years in a law school of good standing, having a three-year course, the last year of which must have been in this School.

(3) Candidates for graduation, in addition to the above requirements, must serve a clerkship of not less than six months in a law office. The requirement must be absolved at a time when the candidate is not in attendance upon the University. At the option of the candidate the requirement may be met by two periods of not less than three months each. The requirement must be entirely absolved after the student shall have received credit for not less than twenty semester hours in the Law School. Credit for office study will not be granted unless the student complies with the following regulations

(1) At the beginning of the clerkship, he must file a certificate by his preceptor stating the date on which the clerkship began.

(2) A like certificate showing the date of completion of the clerkship must be filed at the completion of the period.

(3) A monthly report, signed by the student and endorsed by the proceptor, showing the kind and amount of work assigned to the student during the period of the report must also be filed.

Provided, however, that a candidate for graduation who has obtained credit for the courses in evidence, pleading, practice, office practice, and practice court, and who has obtained credit for at least eighty-two semester hours as herein defined, with a weighted average of fair, and who has a residence of at least three years and three months in a law school of good standing, having a three-year course, the last year of which must have been in this School, will be relieved from the above requirements of office study.

Students completing the course with distinguished excellence may be recommended for the degree with honor.

ADMISSION TO THE BAR

The statutes of the state provide that any resident graduate of the Law Department of the University of Wisconsin shall be admitted to practice in all of the courts of this state by the Supreme Court upon the presentation of his

diploma, and may be admitted to the Supreme Court when not in session by an order signed by one of the justices thereof and filed with the clerk of said court. (R. S. Wis., sec. 256.28.)

Under this statute and a rule of the federal court, it is customary for the graduating class, on motion of a member of the Faculty, to be admitted to the Supreme Court of the state and to the district and circuit courts of the United States immediately upon graduation. This entitles them to admission to the bar of any court of record in Wisconsin and all federal courts in the state.

REQUIRED AND ELECTIVE COURSES

Candidates for the degree are required to take all the subjects of the first year, twelve hours of work in the second year, and twelve hours in the third year. The work of the second and third years is elective. Second year students may elect not less than twelve nor more than fourteen hours in courses offered in the second year. Second year students who are graduates of the College of Letters and Science and who have not completed all of the courses of the first year will be required to include such omitted courses in their list of electives. Third year students may elect not less than twelve nor more than fifteen hours in courses offered in the third year and in courses not already taken by them when second year students. No student is permitted to count more than twelve hours of work in any one semester of the second and third years toward the total hours required for the degree. Elections in all cases are subject to the approval of the Dean.

PROCEDURE AND PRACTICE COURSES

Courses in Procedure and Practice extend throughout the last two years and comprise Common Law Actions, two credits; Pleading, four credits; Practice, four credits; Practice Court, one credit. The purpose of the courses is to instruct the student in the principles of pleading and practice at common law and under the codes, by duplicating as far as possible the steps taken by an active practitioner in the preparation for trial of cases at law and in equity throughout the entire field of litigation. The student prepares pleadings in assigned cases and carries a cause of action through the various steps from its inception to the final judgment. The course in Office Practice involves the drafting of ordinary legal documents, such as bills of sale, deeds, wills, and articles of incorporation, and the examination of abstracts of title.

WISCONSIN LAW REVIEW

The *Wisconsin Law Review* was established in 1920 by authority of the Regents. The *Review* appears quarterly, and deals primarily with questions in Wisconsin law and legal problems of particular interest to Wisconsin lawyers. The Board of Editors consists of the law faculty and a board of fourteen student editors selected from the student body. Eligibility to the board is determined largely by scholastic standings.

ELECTIVE STUDIES

Students in the College of Letters and Science will be permitted to elect, as part of their undergraduate courses, studies in the Law School, for which see page 60.

Students of the Law School may pursue studies for which they are prepared in other departments of the University, without additional fees, in so far as such studies do not interfere with their work in the Law School. Before registering in other departments, the students must obtain permission from the Dean of the Law School. No credit toward the law degree will be granted for such studies.

LIBRARY

The library of the Law School contains 40,000 bound volumes, comprising the official reports of the various states and territories and of the United States; a complete set of English, Irish, and Canadian reports; Australian Reports; the Reporter System; the various series of selected cases, as American Decisions; American Reports; American State Reports; Lawyers Reports Annotated; Ruling Case Law; Corpus Juris; American Law Reports; British Ruling Cases; duplicates of the more important reports; complete sets of the leading law periodicals; the leading encyclopedias of law and other works of reference; a large collection of textbooks, statutes, digests, etc.

MORTIMER M. JACKSON PROFESSORSHIP OF LAW

The late Judge Mortimer M. Jackson by his will gave $20,000 to the University, the income to be used to maintain a chair of law. The Regents in 1890 formally established the Mortimer M. Jackson Professorship of Law. Judge Jairus H. Carpenter, for many years Dean of the Law School, was the first incumbent of this chair, which he held until his death in 1913., Professor Howard L. Smith held the professorship until his retirement in June 1926.

FEES AND EXPENSES

See section entitled Student Expense, beginning on page 21.

Receipts showing the payment of tuition must be filed with the Dean within ten days after entry.

SUMMER SESSION

June 18 to August 24, 1928

The summer session of the Law School extends over a period of ten weeks. The work is carried on in the same manner and with the same thoroughness as during the regular session. Courses are arranged to meet the needs of beginning and advanced students. The courses are the equivalents of those given in the first, second, and third years of the long session and carry full credit toward the law degree. Full work during the summer session consists of twelve hours per week. Written examinations are held at the completion of the courses. Students successfully completing courses aggregating twelve hours per week for the summer will receive credit for one-third of a regular academic year's work. The session

thus enables students of this and other law schools and teachers or students in the College of Letters and Science who have completed the equivalent of two years of college work to shorten considerably the calendar period of residence required here and elsewhere for the law degree. The courses are so arranged as to be of service to practicing lawyers who may wish to pursue systematic investigation of particular subjects.

During the summer of 1928 the following courses were offered:

For first year students: Contracts and Real Property.

For second and third year students: Agency, Bills and Notes, Constitutional Law, Damages, Equity II (Specific Performance), Quasi-Contracts, Taxation.

COURSES OF INSTRUCTION

Abbreviations used in the announcement of courses:

Yr—a continuous course extending through two semesters
I—course given during the first semester
II—course given during the second semester
I, II—semester course given each semester
cr—number of credit hours per semester

FIRST YEAR

Contracts. Yr; 3 cr. Mr. Page.

Criminal Law. Yr; 2 cr. Mr. La Follette.

Equity I. II; 3 cr. Mr. Rice.

Introduction to Law. I; 3 cr. Mr. Rice.

Personal Property. I; 2 cr. Mr. Rundell.

Real Property. II; 2 cr. Mr. Rundell.

Torts. Yr; 3 cr. Mr. Brown.

SECOND AND THIRD YEARS

Administrative Law I. I; 2 cr. Seminary open to third year and graduate students. Problem to be announced. Offered for first time in 1928-29.

Administrative Law II—Administrative Actions. I; 2 cr. Mr. Brown.

Administrative Law III—Taxation. II; 3 cr. Mr. Brown.

Administrative Law IV—Municipal Corporations. (Omitted 1927-28.) Mr. Brown.

Agency. I; 3 cr. Mr. Richards.

Bankruptcy. II; 2 cr. Mr. Wickhem.

Bills of Exchange and Promissory Notes. I; 4 cr. Mr. Wickhem.

Business Associations. II; 2 cr. Seminary. Open to third-year and graduate students. Offered for first time in 1928-29.

Business Wrongs. II; 3 cr. Mr. Sharp.

Carriers. II; 2 cr. (Omitted 1927-28.) Mr. Rice.

Conflict of Laws. II; 3 cr. Mr. Page.

Constitutional Law. I; 4 cr. Mr. Brown.

Conveyancing. I; 3 cr. Mr. Rundell.

Corporations. I; 4 cr. Mr. Richards.

Damages. II; 2 cr. (Omitted 1927-28.) Mr. Wickhem.

Equity II. II; 3 cr. Mr. Sharp.

Evidence. I; 4 cr. Mr. Wickhem.

Future Interests. II; 4 cr. Mr. Rundell.

History of Law. I; 1 cr. Mr. Page.

Insurance. I; 2 cr. (Omitted 1927-28.) Mr. Brown.

International Law. II; 3 cr. Mr. Potter.

Labor Law. II; 3 cr. (Omitted 1927-28.) Mr. Rice

Mortgages. I; 2 cr. Mr. Rundell.

Office Practice. II; 2 cr. Mr. Wickhem.

Partnership. II; 3 cr. Mr. Richards.

Persons. II; 2 cr. Mr. Rice.

Pleading. Yr; 2 cr. Mr. Boesel.

Practice. Yr; 2 cr. Mr. Sanborn.

Practice Court. II; 1 cr. Mr. Wickhem.

Professional Conduct. II; 0 cr. Justice Rosenberry

Public Service Companies. I; 4 cr. Mr. Rice.

Quasi-Contracts. II; 3 cr. Mr. Rice.

Sales. II; 3 cr. Mr. Wingert.

Servitudes. II; 3 cr. Mr. Rundell.

Suretyship. I; 2 cr. (Omitted 1927-28.) Mr. Wickhem.

Trade Regulations. I; 2 cr. (Omitted 1927-28.) Mr. Rice.

Trusts. II; 4 cr. Mr. Richards.

Wills and Administration. I; 3 cr. Mr. Page.

MEDICAL SCHOOL

C. R. Bardeen, Dean, Professor of Anatomy.

AIMS

The aims of the Medical School are threefold:

1. To encourage a thorough preliminary medical education and to offer adequate facilities for a thorough preparation for clinical work.

2. To promote the development of preventive medicine and hygiene.

3. To stimulate research in the sciences upon which modern medicine is based.

ADMISSION REQUIREMENTS

For matriculation in the Medical School a student must furnish evidence:

1. That he has satisfied the requirements for admission to the College of Letters and Science.

2. That he has completed the equivalent of at least two years' work, including the required freshman English, in this college.

3. That he has successfully pursued laboratory courses of college grade in physics, general and organic chemistry, biology, and vertebrate embryology.

4. That he has studied elementary Latin.

5. That he has completed the fourth semester of French or German with a grade of 80 or above. (A certificate of reading knowledge of either of these languages will be accepted in lieu of the specified courses.)

ADMISSION FROM OTHER INSTITUTIONS

First Year Class: Students who have taken their premedical work at other institutions and who satisfy the entrance requirements may be admitted to this class.

A student wishing to apply for admission to this class should fill out an application blank and return it together with an official copy of his premedical credentials to the Dean of the Medical School not later than June 1 of the year in which he wishes to matriculate.

All students entering from other institutions are required to pass a reading knowledge examination in either German or French given by the German Department or the Department of Romance Languages of the University of Wisconsin at the time of matriculation.

Second-Year Class: There is seldom a vacancy in this class and students from other institutions are not encouraged to apply for admission.

Third and Fourth-Year Classes: At the present time no applications to these classes are accepted.

DEGREES

The Medical School grants the degree of Doctor of Medicine to students who complete the requirements of the four-year course leading to this degree.

The College of Letters and Science grants the degree of Bachelor of Science, Medical Science Course, to students who complete two years of prescribed pre-medical work and the first two years of the medical course, and the degree of Bachelor of Arts to students who complete the requirements for this degree and at the same time elect one year's work in the Medical School.

The Graduate School offers the degrees of Master of Arts, Master of Science, Master of Public Health, Doctor of Philosophy, and Doctor of Public Health to students who complete the requirements for these degrees in the medical sciences.

COURSE IN MEDICINE

FIRST YEAR

First Semester	Credits	Second Semester	Credits
Anatomy 110—Histology and organology.	4	Anatomy 121—Gross anatomy.....	5
Anatomy 121—Gross anatomy	7	Anatomy 126—Neural anatomy	4
Physiological Chemsitry 104.....	4	Physiology 105—Medical physiology.....	7
Physiology 105—Medical physiology.....	2		
	17		16

SECOND YEAR

Bact. 102—Medical bacteriology.....	4	Medicine 102—Clinical laboratory diagnosis	3
Hygiene 101—Public health	2	Medicine 111—Medical diagnosis	2
Pathology 101—General pathology	5	Pathology 101—General pathology.....	2
Medicine 110—Physical diagnosis	3	Pharmacology 104-105	4
Thesis	2	Surgery 102—Surgical clinics	1
		Surgery 103—Elements of surgery	1
		Thesis	2
	16		15

THIRD YEAR

Medicine 301	6	Medicine 301	6
Medicine 305—Therapeutics	2	Medicine 312—Neuro-psychiatry	2
Medicine 310—Pediatrics	1	Surgery 301	5
Medicine 315—Dermatology	1	Surgery 315—Orthopedics	1
Surgery 301	5	Surgery 320—Radiology	1
Surgery 310—Ophthalmology and otolaryngology	2	Surgery 325—Urology	3
Surgery 316—Physio-therapy	1	Surgery 330—Obstetrics and gynecology.	1
		Surgery 314—Plastic surgery.....	1
	18		20

FOURTH YEAR

Hygiene 401—Sanitation and public health	2
Medicine 401—Internal medicine	4.5
Medicine 410—Pediatrics	3
Medicine 412—Neuro-psychiatry	3
Medicine 415—Dermatology	1.5
Medicine 420—Medical jurisprudence and ethics	1
Surgery 401—Surgery	4.5
Surgery 405—Radiology	1.5
Surgery 406—Obstetrics and gynecology	3
Surgery 410—Ophthalmology and otolaryngology	3
Surgery 416—Special therapy	1.5
Surgery 425—Urology	1.5
Physical examinations	2
Specific elective work	12
Free elective work	4
	48

BACHELOR OF ARTS

The regular requirements for this degree apply to those students who elect the work of the first year of the medical course during the senior year in the College of Letters and Science.

See College of Letters and Science, page 63.

BACHELOR OF SCIENCE, MEDICAL SCIENCE COURSE

The requirements for admission to this course are the general entrance requirements of the University, as outlined in Part III, pages 40-54. The degree is awarded by the College of Letters and Science, in which the student is enrolled.

Students who are candidates for this degree are required to take the following studies:

a. English composition, 3 credits per semester during the freshman year.

b. Foreign language. (1) A knowledge of elementary Latin, i.e., two years of high-school Latin or its equivalent in college. (2) Either the completion of the fourth semester of French or German *at the University of Wisconsin* with a grade of 80 or above *or* a certificate of reading knowledge of one of these languages from the appropriate department at the University of Wisconsin. At least two years of work in foreign language shall be taken in college. (If first and second-year courses are elected this will mean from 14 to 16 credits.)

c. Courses in physics, chemistry, biology, and the medical sciences as outlined in the requirements of the Medical School. The requirement made of candidates for the degree of Bachelor of Arts that six credits shall be electd in history or eight in mathematics does not apply to candidates for the degree of Bachelor of Science (Medical Science Course).

d. The "credit" is the standard for computing the amount of work required for graduation. This is equivalent to one hour of recitation or lecture per week for one semester. Students are expected to take 15 credits per semester in recitations, lectures, and laboratory work, making 30 credits per year, and 120 for the course. In addition, work in physical education or military science is required.

No student will be permitted to receive credit toward graduation for more than 18 credits in one semester in regular studies except by permission of the faculty obtained in advance.

e. Thesis—All candidates for a baccalaureate degree in the Medical School are required to present a graduating thesis, the subject of which must be approved by the student's adviser and the chairman of the department of his major. The thesis must represent some phase of the student's work in the major study and must have the character of a scholarly dissertation on the subject.

CHOICE OF PREMEDICAL COURSES

The student who enters the College of Letters and Science with the intention of studying medicine should arrange at the office of the Assistant Dean a schedule of study which will enable him to complete the required premedical college work within the period which he desires to devote to preparation for the medical course.

The following language studies are required:

English 1a, 1b.

Two years of foreign language.

Students who have not studied Latin in high school are required to take a year's work in elementary Latin.

The following science studies are required:*

	Semester	Lectures Recitations	Laboratory Hours	Credits
Chemistry 1	Yr.	128	192	10
Chemistry 120 (Organic)	I	48	96	4-6
Physics 1	Yr.	128	128	10
Biology 1	Yr.	128	192	10
Anatomy 115 (Embryology)	II	16	48	2
		448	656	36-38

The minimum time required for the completion of this premedical work is two years. If three or four years are spent on premedical college work, the student has the choice of either broadening his course of study or of taking more advanced work in some special line. All good American medical schools now require at least two years of premedical college work. Many require at least three years of college work and a few require a bachelor's degree for entrance. If a student expects to take his medical course elsewhere or to complete the clinical part of his medical course elsewhere, he should keep this in mind when arranging the premedical schedule. Thus, a student who expects to finish in a medical school which requires three years of college work for entrance should arrange for a three-year premedical college course. He should likewise acquaint himself with the special premedical requirements maintained by the school of his choice.

*It is recognized that similar courses at other institutions may not correspond exactly to the scientific courses given at Wisconsin. This will not prevent full credit being granted for approximately equivalent courses pursued elsewhere or during the summer session at Wisconsin.

SUGGESTED PROGRAM FOR TWO-YEAR PREMEDICAL COURSE

LEADING EVENTUALLY TO THE DEGREE OF BACHELOR OF SCIENCE, MEDICAL SCIENCE COURSE

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Engl. 1a—Freshman English	3	Engl. 1b—Freshman English	3
Chem. 1a—General chemistry	5	Chem. 1b—Qualitative analysis	5
Physics 1 or 31—General physics	5	Physics 1 or 31—General physics	5
French 1a or German 1a	4	French 1b or German 1b	4
Physical education or military science	0	Physical education or military science	0
	17		17

SOPHOMORE YEAR

Chem. 20 or 120—Organic chemistry	4-5	Anat. 115—Embryology	2
Zoology 1a—General zoology	5	Zoology 1b—Animal biology	5
French 10a or German 2a	3-4	French 10b or German 2b	3-4
Latin 1—Elementary Latin	5	Latin 2—Caesar	5
Elective if Latin was taken in high school	(3-4)	Elective if Latin was taken in high school	(3-4)
Physical education or military science	0	Physical education or military science	0
	17-18		15-16

SUGGESTED PROGRAM FOR THREE-YEAR PREMEDICAL COURSE

LEADING EVENTUALLY TO THE DEGREE OF BACHELOR OF ARTS

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Engl. 1a—Freshman English	3	Engl. 1b—Freshman English	3
Chem. 1a—General chemistry	5	Chem. 1b—Qualitative analysis	5
French 1a or German 1a	4	French 1b or German 1b	4
History or mathematics	3-4	History or mathematics	3-4
Physical education or military science	0	Physical education or military science	0
	15-16		15-16

SOPHOMORE YEAR

Engl. 30a or 33a—Sophomore literature	3-2	Engl. 30b or 33b—Sophomore literature	3-2
Chem. 20 or 120—Organic chemistry	4-5	Zoology 1b—Animal biology	5
Zoology 1a—General zoology	5	French 10b or German 2b	3-4
French 10a or German 2a	3-4	Elective	5
Physical education or military science	0	Physical education or military science	0
	15-16		15-16

JUNIOR YEAR

Physics 1 or 31	5	Anat. 115—Embryology	2
Foreign language	4-5	Physics 1 or 31	5
Latin 1—Elementary Latin	5	Latin 2—Caesar	5
Electives if foreign language and Latin were pursued in high school	(10)	Foreign language	4-5
		Electives if foreign language and Latin were pursued in high school	(8)
	15		15

DEPARTMENTS OF INSTRUCTION

Abbreviations used in the announcement of courses:

Yr—a continuous course extending through two semesters
I—course given during the first semester
II—course given during the second semester
I, II—semester course given each semester
cr—number of credit hours per semester or per year

Courses numbered from 1 through 100 are open for credit to undergraduates only; from 101 to 199 to both undergraduates and graduates; over 200 to graduates only, or very exceptionally to advanced undergraduates. Courses numbered in the 300 group are intended primarily for third-year medical students; those in the 400 group for fourth-year medical students.

ANATOMY

Professors Bardeen, Sullivan (Chairman), Miller (Emeritus)
Associate Professor Bast
Assistant Professors Geist, Mossman
Instructors Franseen, Robbins, Sinclair
Assistants Gelder, Hellebrandt, Lange, Marquart, Risteen

A group of courses intended to offer a comprehensive view of the gross and microscopic anatomy and the embryology of mammals with especial reference to man is given in this department. In addition, opportunities are offered for advanced work and research in anatomy. The laboratory is thoroughly equipped with apparatus, models, books, and materials for advanced as well as elementary work.

For those prepared to carry on advanced research, special laboratory facilities are provided.

FOR UNDERGRADUATES AND GRADUATES

39. Physical Education Anatomy. I; 4 cr. Prerequisite: Biology 1. Lab. fee $5.00. Dr. Bardeen.

110. Histology and Organology. I; 4 cr. Prerequisites: Junior standing, Biology 1. Lab. fee $12.00; deposit $5.00. Dr. Bast, Dr. Geist, and staff.

115. Mammalian Embryology. II; 2 cr. Prerequisite: Biology 1. Lab. fee $5.00. Dr. Bardeen, Dr. Mossman.

120. Human Anatomy. II; 6 cr. Prerequisite: Biology 1. Lab. fee $5.00. Dr. Bardeen.

121. Human Anatomy. Yr; 12 cr. Prerequisites: Junior standing, Biology 1. Lab. fee $15.00 per semester. Dr. Bardeen, Dr. Sullivan.

122. Topographical Anatomy. Yr; 2-4 cr. Prerequisite: Anatomy 121. Lab. fee $5.00-$10.00. Dr. Sullivan.

123. SPECIAL HUMAN ANATOMY: Those qualified to do independent work may make special arrangement for the study of human anatomy.

126. NEURAL ANATOMY. II; 4 cr. Prerequisite: Anatomy 110. Lab. fee $12.00; deposit $5.00. Dr. Geist, Dr. Bast.

130. ADVANCED ANATOMY. Opportunity for advanced study in the field of human and comparative anatomy, gross and microscopic, in embryology and experimental morphology, and in laboratory technique is offered to properly qualified students. Under the direction of various members of the staff.

131. HISTORICAL SEMINAR. II; 1 cr. Dr. Miller.

FOR GRADUATES

235. INVESTIGATION UNDER DIRECTION. To qualified students the department is prepared to offer problems for investigation and training in methods of research. Special arrangements for this work may be made with the individual members of the staff.

240. INDEPENDENT INVESTIGATIONS. The department welcomes independent investigators who wish to make use of its facilities for conducting research in anatomy.

HYGIENE

In conjunction with the staffs of the State Laboratory of Hygiene, the Wisconsin Physchiatric Institute, the State Board of Health, and the Boards of Health of the cities of Milwaukee and Madison, courses in hygiene are offered by members of the Faculty of the Medical School under the general supervision of Professors Clark and Stovall.

FOR UNDERGRADUATES

5. DISEASE PREVENTION. II; 2 cr. Dr. Clark.

FOR UNDERGRADUATES AND GRADUATES

101. PUBLIC HEALTH. I; 2 cr. Prerequisite: Second-year medical standing. Dr. Clark, Dr. Harper, Dr. Stovall.

102. BACTERIOLOGY FOR HEALTH OFFICERS. I; 4 cr. Lab. fee $15.00. Dr. Clark, Dr. Stovall.

106. PHYSIOLOGY FOR HEALTH OFFICERS. II; 5 cr. Given in conjunction with Courses 105 and 107 in medical physiology but with special reference to the needs of health officers. Special topics in respiration, dietetics, chemistry of food, air, water, sewage, etc. Dr. Eyster, Dr. Dawson.

401. PRACTICAL FIELD WORK. I or II; 2 cr. Prerequisite: Fourth-year medical standing.

MEDICINE

GENERAL MEDICINE

Professor Evans (Chairman), Van Valzah
Associate Professors of Medicine Middleton, Sevringhaus
Associate Professor of Clinical Medicine Blankinship
Assistant Professor of Clinical Medicine Puestow
Clinical Associate Kay
Instructors Bentley, McKinley, Murphy, Sprague, Weston

110. Physical Diagnosis. I; 3 cr. Prerequisites: Anatomy 110, 115, 121, 126; Physiology 105. Lab. fee $5.00. Dr. Van Valzah.

111. Medical Diagnosis. II; 2 cr. Prerequisites: One semester each of Pathology 101, Bacteriology 102, Medicine 110. Lab. fee $5.00. Dr. Van Valzah.

118. Physical Examinations. II; 3 cr. Prerequisites: Anatomy 39 and 120; Physiology 115. Lab. fee $5.00. Dr. Morris.

301. Third-Year Medicine. Yr; 12 cr. Prerequisites: Medicine 102, 110, 111; Surgery 102, 103. Lab. fee $25.00. Dr. Evans, Dr. Middleton, and staff.

302. Advanced Work and Research. Credit according to work done.

305. Therapeutics. I and II; 1 cr. Prerequisites: Medicine 102, 111. Given in conjunction with Department of Pharmacology. Dr. Evans and staff.

306. Advanced Work and Research in Therapeutics. Credit according to work done. Given in conjunction with Department of Pharmacology.

401. Fourth-Year Medicine. I or II; 4.5 cr. Prerequisites: Medicine 301; Surgery 301.

CLINICAL PATHOLOGY

Professor Stovall
Instructor Jackson
Assistant Risteen

102. Clinical Laboratory Diagnosis. II; 3 cr. Prerequisites: Bacteriology 102; Pathology 101; Physiological Chemistry 104. Lab. fee $10.00. Dr. Stovall and staff.

DERMATOLOGY

Professor O. H. Foerster
Assistant Professors H. R. Foerster, McIntosh

315. Dermatology. I; 1 cr. Prerequisites: Medicine 102, 111.

316. Advanced Work and Research. Credit according to work done.

415. Fourth-Year Dermatology. I or II; 1.5 cr. Prerequisite: Medicine 315.

Through the courtesy of Dr. O. H. Foerster and Dr. H. R. Foerster of Milwaukee this course is given in Milwaukee. Through the courtesy of the directors of the Milwaukee City Dispensary, this work is in part carried on there.

MEDICAL JURISPRUDENCE AND MEDICAL ETHICS

420. Medical Jurisprudence and Medical Ethics. 1 cr. Assigned reading and examination.

NEURO-PSYCHIATRY

Professor Lorenz
Assistant Professors Bleckwenn, Reese
Clinical Associates Green, A. Sauthoff, M. B. Sauthoff
Instructors Masten, Stark

112. Problems in Neuro-Psychiatry. Credit according to work done. Dr. Lorenz and staff.

312. Neuro-Psychiatry for Third-Year Medical Students. II; 2 cr. Prerequisites: One semester of Medicine 301 and Surgery 301. Dr. Lorenz and staff.

412. Neuro-Psychiatry for Fourth-Year Medical Students. I or II; 3 cr. Prerequisite: Medicine 312.

PEDIATRICS

Assistant Professors Gonce, Tenny
Associate Kastner

310. Pediatrics. I; 1 cr. Prerequisites: Medicine 102, 111.

410. Fourth-Year Pediatrics. I or II; 3 cr. Prerequisite: Medicine 310.

Through the courtesy of the Board of Directors and of the Medical Staff of the Children's Hospital of Milwaukee, each fourth year student is given three weeks' special training in pediatrics at this hospital. This work is given by members of the staff of the hospital. Dr. A. J. Kastner is at present Chief of Staff.

PATHOLOGY AND MEDICAL BACTERIOLOGY

Professors Bunting (Chairman), P. F. Clark
Assistant Professor Cromwell
Instructors Centeno, Corr, Gillette, Holford, McKinnon
Assistants A. S. Clark, McBain

FOR UNDERGRADUATES AND GRADUATES

101. General Pathology. I, ⅓ II; 7-8 cr. Prerequisites Anatomy 110, 115, 126. Lab. fee I, $15.00; II, $5.00. Dr. Bunting and staff.

102. Medical Bacteriology. I; 4 cr. Prerequisites: Chemistry 1, Biology 1. Lab. fee $17.00. Dr. Clark, Dr. Cromwell, Miss Holford.

103. Experimental Pathology. II; 4 cr. Prerequiistes: Anatomy 110, 115, 126. Dr. Bunting.

104. Immunology. II; 2-4 cr. May be taken as a thesis course. Open to a limited number of students who have completed Bacteriology 102. Dr. Cromwell, Dr. Clark.

106. Advanced Bacteriology. I or II; credit by arrangement. Dr. Clark or Dr. Cromwell.

108. Bacteriology Journal Club. Yr; 1 cr. Dr. Clark.

109. Immunology Seminar. II; 1 or 2 cr. Dr. Clark.

FOR GRADUATES

204. Advanced Pathology. II; credit by arrangement. Dr. Bunting.

301. Clinical Pathological Conferences. Yr; given as a part of Medicine 301. Dr. Bunting, Dr. Medlar and members of medical and surgical staffs.

Microscope deposit fee for all courses $5.00.

PHARMACOLOGY AND TOXICOLOGY

Professor Loevenhart (Chairman)
Associate Professor Leake
Assistant Professor Muehlberger
Research Assistants Armbruster, Stratman-Thomas
Assistants Knoefel, Schrenk
Honorary Scholar Walton

Elementary and advanced courses in pharmacology and toxicology are offered in this department. For the elementary courses a previous training in physiological chemistry and physiology is required. The advanced courses are open to those who have had adequate elementary training. The laboratory is specially fitted for research in chemotherapy.

FOR UNDERGRADUATES AND GRADUATES

101. Toxicology. II; 1 cr. Prerequisites Physiology 105. Physiological Chemistry 104. Dr. Loevenhart, Dr. Muehlberger.

104. Pharmacology. II; 2 cr. Prerequisites: Physiology 105, Physiological Chemistry 104. Dr. Loevenhart, Dr. Leake.

105. Phakmacology. II; 2 cr. Prerequisites Physiology 105, Physiological Chemistry 104. Lab. fee $16.00; deposit $2.00. Staff.

108. Advanced Work. Those qualified to undertake advanced work and research in pharmacology and toxicology may make arrangements for conducting such work under the supervision of Dr. Loevenhart and Dr. Leake. May be taken for thesis credit. Lab. fee $5.00.

116. History of Medicine. II; 1 cr. Dr. Leake.

120. Journal Club. Yr. A meeting of the Journal Club is held weekly. Advanced students will be expected to report from time to time upon current papers dealing with pharmacology and toxicology.

FOR GRADUATES

201. Independent Investigation. To any one qualified to carry on work of this character the facilities of the laboratory are available.

PHYSIOLOGICAL CHEMISTRY

Professor Bradley (Chairman)
Assistant Professor Witzemann
Instructor Baernstein
Assistants Popov, Rotter

FOR UNDERGRADUATES AND GRADUATES

104. Physiological Chemistry. I; 4 cr. Required for first-year medical students and open to others as an elective. Prerequisites: Chemistry 1 and 20 or 120, Physics 1, Biology 1. Lab. fee $20.00, deposit $5.00. Dr. Bradley, Dr. Witzemann.

114. Physiological Chemistry. I; 3 cr. Required of juniors in physical education and open to others as an elective. Prerequisites: Chemistry 1, Physics 1, Biology 1. Lab. fee $12.00, deposit $5.00. Dr. Bradley.

117. Advanced Physiological Chemistry and Research. II; credit by arrangement. Lab. fee $15.00, deposit $5.00. Dr. Bradley, Dr. Witzemann.

120. Journal Club. Yr; 1 cr. Dr. Bradley.

FOR GRADUATES

222. Seminar in Physiology, Pharmacology, and Physiological Chemistry. Yr; 1 cr.

PHYSIOLOGY

Professors Meek (Chairman), Eyster
Associate Professor Dawson
Instructors Emery, Haney, Pommerenke, Staley, Vickers

FOR UNDERGRADUATES

1. Elements of Human Physiology. I; 4 cr. Lab. fee $3.00. Students electing this course should have some chemistry. Dr. Meek.

3. Animal Physiology. II; 4 cr. Especially designed for students in agriculture and physical education for men, but open to others. Lab. fee $3.00. Dr. Meek and assistants.

4. Physiology, Bacteriology, and Hygiene. I or II; 6 cr. Lab. fee $5.00. Open only to students in the course in nursing.

FOR UNDERGRADUATES AND GRADUATES

105. Medical Physiology. I, 2 cr; II; 7 cr. Prerequisites: Anatomy 110, 121 (Comparative or human anatomy), 126; Physiological Chemistry 104. Lab. fee $17.00, deposit $1.00. Dr. Meek, Dr. Eyster.

106. Medical Physiology. I; 2 cr. Prerequisite: Physiology 105. Dr. Meek, Dr. Eyster.

115. Physiology. Yr; 10 cr. Prerequisites: Comparative anatomy, physiological chemistry. Lab. fee $15.00, deposit $2.00. Dr. Dawson, Miss Staley.

118. Advanced Physiology and Research. Yr; credit according to work done. Lab. fee $5.00. Dr. Eyster, Dr. Meek, Dr. Dawson.

120. Journal Club. Yr; 1 cr. Reports of recent physiological and biochemical literature. Dr. Meek.

121. History of Physiology. I; 2-5 cr. Prerequisite: Physiology 105 or 115. Dr. Dawson.

FOR GRADUATES

222. Seminar in Physiology, Pharmacology, and Physiological Chemistry. Yr; 1 cr.

SURGERY

GENERAL SURGERY

Wisconsin General Hospital Staff

Professor Schmidt (Chairman)
Associate Professor Greene
Assistant Professors Gale, Waters
Instructor Focke; Assistant Damm; Clinical Assistant Beyer

Associate Staff

Madison General Hospital

Clinical Professor T. W. Tormey
Clinical Associates A. G. Sullivan, E. S. Sullivan, A. R. Tormey

Methodist Hospital

Clinical Professor R. H. Jackson
Clinical Associate J. A. Jackson

St. Mary's Hospital

CLINICAL PROFESSOR J. DEAN
CLINICAL ASSOCIATE J. P. DEAN

102. SURGICAL CLINICS. II; 1 cr. Prerequisites: Anatomy 121; Pathology 101, I; Physiolcgy 106. At the Wisconsin General, Madison General, Methodist, and St. Mary's Hospitals.

103. ELEMENTS OF SURGERY. II; 1 cr. Prerequisites: Anatomy 121; Pathology 101, I; Bacteriology 102; Physiology 106. Dr. Schmidt.

301. SURGERY FOR THIRD-YEAR MEDICAL STUDENTS. Yr; 10 cr. Lectures, conferences, ward work, and clinics. Prerequisites Medicine 110, 111; Surgery 102, 103. Lab. fee $25.00. Dr. Schmidt and staff.

302. ADVANCED WORK AND RESEARCH. Credit according to work done.

401. SURGERY FOR FOURTH-YEAR MEDICAL STUDENTS. I or II; 4.5 cr. Prerequisites: Medicine 301, Surgery 301.

OBSTETRICS AND GYNECOLOGY

PROFESSOR DAVIS
ASSISTANT PROFESSORS HARPER, SCHNEIDERS

330. OBSTETRICS AND GYNECOLOGY. II; 3 cr. Prerequisites: Medicine 301, I; Surgery 301, I. Lab. fee $5.00.

331. ADVANCED WORK AND RESEARCH. Credit according to work done.

406. FOURTH-YEAR OBSTETRICS. I; 3 cr. Prerequisite: Surgery 330.

Through the courtesy of the Directors of the Chicago Lying-In Hospital and of Dr. J. B. DeLee and Dr. E. L. Cornell, this course is given in Chicago.

OPHTHALMOLOGY, RHINOLOGY, AND OTOLARYNGOLOGY

PROFESSOR DAVIS
ASSOCIATE PROFESSORS BOWER, NEFF, NESBIT
RESEARCH ASSISTANT SMITH
CLINICAL ASSISTANT RATHGERBER

310. OPHTHALMOLOGY, RHINOLOGY, AND OTOLARYNGOLOGY. I; 2 cr. Prerequisite: Completion of second year of medical course. Lab. fee $5.00. Dr. Davis and staff.

311. ADVANCED WORK AND RESEARCH. Credit according to work done. Dr. Davis and staff.

410. FOURTH-YEAR OPHTHALMOLOGY, RHINOLOGY, AND OTOLARYNGOLOGY. I or II; 3 cr. Prerequisite: Completion of third year of medical course with satisfactory grades.

ORTHOPEDIC AND PLASTIC SURGERY

Professors Brown, Gaenslen
Associate Professor Schumm
Assistant Professor Burns
Instructor Hyslop

315. Orthopedics. II; 1 cr. Prerequisites: Medicine 301, I; Surgery 301, I. Includes five lectures on fractures.

314. Plastic Surgery. II; 1 cr. Prerequisites: Medicine 301, I; Surgery 301, I.

PHYSICAL THERAPY

Professor Elsom

316. Physical Therapy, including Mechano-therapy, Helio-therapy, Electro-therapy and Hydro-therapy. II; 1 cr. Prerequisites: Medicine 301, I; Surgery 301, I.

317. Advanced Work and Research. Credit according to work done.

416. Physical Therapy for Fourth-Year Medical Students. I or II; 1.5 cr. Prerequisite: Surgery 316.

RADIOLOGY

Professor Pohle
Lecturer Hodges
Clinical Associate Sisk

104. X-Ray Technique. Credit to be arranged. Lab. fee $5.00.

320. Radiology. II; 1 cr. Prerequisites: Medicine 301, I; Surgery 301, I. Lab. fee $5.00.

405. Fourth-Year Radiology. I or II; 1.5 cr. Prerequisite: Surgery 320.

UROLOGY

Associate Professor Sisk

325. Urology. II; 1 cr. Prerequisites: Medicine 301, I; Surgery 301, I.

326. Advanced Work and Research. Credit according to work done.

425. Urology for Fourth-Year Medical Students. I or II; 1.5 cr. Prerequisite: Surgery 325.

SCHOOL OF NURSING

HELEN I. DENNE, DIRECTOR

ORGANIZATION AND AIMS

The School of Nursing of the University of Wisconsin is organized in association with the Medical School of the University and with the Wisconsin General Hospital. The coordinating committee of the school is composed of the Dean of the Medical School, the Superintendent of the Hospital, and the Director of the School, who has charge of the immediate administration. There is close affiliation between the school and other departments of the University. In the field of public health nursing the school has the cooperation of the Bureau of Public Health Nursing of the State Board of Health.

The aims of the school are:

1. To give adequate training in the sympathetic care of the sick.
2. To promote academic education as an aid to professional experience.
3. To stimulate advanced training and research in special fields of work within the realm of nursing.

ADMISSION REQUIREMENTS

For matriculation in the School of Nursing a student must furnish evidence that she has satisfied the general requirements for admission to the University, as stated under Part III, Admission, page 40.

Students are admitted at the beginning of either semester of the college year

Students desiring to enter either the three-year or a five-year combined course are requested to communicate with the Registrar of the University, and for more specific details regarding these courses with the Director of the School of Nursing, University of Wisconsin.

EXPENSE

During the period of pre-professional training, the minimum for which is one semester, the student is subject to the same conditions as other students in the University and must provide for her room, board, and incidental expenses and pay the usual incidental and laboratory fees. For the required semester of pre-professional work in the three-year course the laboratory fees amount to $25.00. This makes the total laboratory and other fees for residents of Wisconsin $44.50. Board and room cost from $10.00 per week upwards for 16 weeks, making a total expense of about $200, in addition to laundry, clothing, and various incidentals. During the period of resident professional training no fees are charged, and room, board, and laundry are furnished the students.

A detailed discussion of student expense, including university charges, loan funds and scholarships, self-support, etc., may be found on page 21.

THREE-YEAR COURSE

LEADING TO THE TITLE OF GRADUATE NURSE

Upon the completion of at least one semester of academic college work including the special subjects outlined below and 32 months of professional training in residence in the School of Nursing, a certificate of Graduate Nurse will be granted.

PRE-HOSPITAL SEMESTER

Candidates for the certificate of Graduate Nurse who have had no college work or whose college work has not included work in chemistry and physiology are required to take the following special pre-hospital academic work before being admitted to residence in the school for hospital training. This work is offered each semester.

	Credits
English 1a—Freshman composition	3
Chemistry 1a—General chemistry	5
Physiology 4—Physiology, bacteriology, and hygiene	6
Nursing 1—Principles of nursing	2
	16

RESIDENT PROFESSIONAL TRAINING

This course consists of 32 months in residence in the Nurses' Dormitory. During this period the student has instruction in medicine, surgery, and principles of nursing, ward practice in the wards and out-patient department of the hospital, and practical training in public health nursing. The resident training is divided into five half years of academic and professional education and two additional months of special training. In each half year there are one semester of four months of academic and ward work, six weeks (52 hours per week) of ward or field work, and two weeks of vacation. The semester work is arranged in the following sequence:

FIRST SEMESTER

	Credits
Therapeutics 1—Materia medica	3
Dietetics 1—Selection, preparation, and serving of food for the sick	2
Med. and Surg. 1—Recognition and treatment of disease	2
Nursing 2—Elementary principles of nursing	2
Ward work—6 hours daily	
Physical education	

SECOND SEMESTER

Med. and Surg. 2—Health, disease, and therapy in infancy and childhood	6
Nursing 3—Care of infants and children	2
Ward work—6 hours daily	

THIRD SEMESTER

Med. and Surg. 3—Nervous and mental health, disease, and therapy 3
Med. and Surg. 4—Health, disease, and therapy of the eye, ear, nose, mouth, throat, and skin 2
Med. and Surg. 5—Special therapeutic technique 1
Nursing 4—Special technique 2
Ward work—6 hours daily

FOURTH SEMESTER

Med. and Surg. 6—Obstetrics 2
Med. and Surg. 7—Urogenital surgery and gynecology 2
Nursing 5—Social problems from the standpoint of nursing 4
Ward work—6 hours daily

FIFTH SEMESTER

Electives 4
Ward work—8 hours daily

COMBINED COURSES AND DEGREES

Two courses are offered of combined academic and resident professional training leading to the degree of Bachelor of Science and a certificate of Graduate Nurse in five years.

The College of Letters and Science grants the degree of Bachelor of Science, Hygiene, to students who successfully complete six semsters of work, as outlined below, in the College of Letters and Science, and 27 months of work in the School of Nursing.

The College of Agriculture grants the degree of Bachelor of Science, Home Economics, to students who successfully complete six semesters of work, as outlined below, in the Course in Home Economics, and 27 months of work in the School of Nursing.

RESIDENT PROFESSIONAL TRAINING

The resident professional training consists of 27 months in residence in the Nurses' Dormitory. During this period the student has instruction in medicine, surgery, and principles of nursing, ward practice in the wards and out-patient department of the hospital, and practical training in public health nursing. The resident training is divided into four half years of academic and professional education and three additional months of special training. In each half year there are one semester of four months of academic and ward work, six weeks (52 hours per week) of ward or field work, and two weeks of vacation. The semester work is given as outlined above under the three-year course, excepting that physical education is not required and that the fifth semester is omitted.

COMBINED COURSE, COLLEGE OF LETTERS AND SCIENCE

This course leads to the degree of Bachelor of Science, Hygiene. The following specific requirements must be satisfactorily met:

ENGLISH. 10 credits as follows: 6 credits in composition, 3 credits per semester for two semesters, to be taken in the first year of residence; 4 credits in literature, to be taken normally in the sophomore year. Students securing a grade of A in the first semester of composition may, if they so desire, omit the second semester of it.

FOREIGN LANGUAGE. Two years of either French or German in college if students do not meet the foreign language requirement for the B.A. degree.

HISTORY. 6 credits in a continuous year course; or mathematics, 8 credits.

SCIENCE. Chemistry 1, 10 credits; Physiology 4, 6 credits.

ECONOMICS AND PSYCHOLOGY. 16 credits, including Economics 1a, 46, and 141, and Psychology 1; or science in addition to Chemistry 1, 16 credits, including biology, 10 credits, and organic chemistry, 4 credits.

ELECTIVES. A sufficient number of electives must be taken to bring the total amount of work in the College of Letters and Science up to 94 credits and 94 grade-points, including major study and thesis but not including the work in physical education required of all freshman and sophomore students.

MAJOR STUDY. By the beginning of the junior year every candidate should be well started in her major study which must be chosen from the majors offered in the College of Letters and Science, including majors in the medical sciences. This major must include a thesis, to be prepared during the final years of the combined course.

CREDITS. A total of 127 credits and 127 grade-points, including 94 required by the College of Letters and Science and 33 earned during the required 27 months of resident professional training.

SUGGESTED SEQUENCE OF SUBJECTS

FRESHMAN YEAR

First Semester	Credits	Second Semester	Credits
Engl. 1a—Freshman composition	3	Engl. 1b—Freshman composition	3
Chem. 1a—General chemistry	5	Chem. 1b—General chemistry	5
History or mathematics	3-4	History or mathematics	3-4
French or German	3-4	French or German	3-4
Physical education	0	Physical education	0
	14-16		14-16

SOPHOMORE YEAR

Engl. 33a—English literature	2	Engl. 33b—English literature	2
French or German	3-4	French or German	3-4
Optional subjects	8-11	Optional subjects	5-5
Biology 1—5 cr.		Biology 1—5 cr.	
Chemistry 20 or 120—3-4 cr.		Chemistry 120—3 cr.	
Economics 1a—4 cr.		Economics 46—3 cr.	
Psychology 1—3 cr.		Psychology 1—3 cr.	
(Economics 4—3 cr.)		Physiol. 4—Physiology, bacteriology, and hygiene	6
Physical education	0	Physical education	0
	14-16		14-16

JUNIOR YEAR

Optional subjects	3-6	Electives	15
Economics 141—3 cr.			
Free option—3 cr.			
Electives	9-12		
	15		15

COMBINED COURSE, DEPARTMENT OF HOME ECONOMICS

This course leads to the degree of Bachelor of Science, Home Economics. The following specific requirements must be satisfactorily met:

Completion of the required work of the freshman and sophomore years of the Course in Home Economics, as outlined on page 270.

Completion of the following additional courses: Home Economics 7 and 17, 47, 6 and 16, 22, 133; English 33b.

Thesis, 4 credits.

Electives sufficient to bring the total credits of work in the Department of Home Economics up to 94, including thesis but not including the required work in physical education.

Twenty-seven months of resident professional training in nursing.

A total of 127 credits and 127 grade-points, including 94 required by the Division of Home Economics and 33 earned during the period of resident professional training.

DEPARTMENTS OF INSTRUCTION

For a description of the courses in botany, zoology, chemistry, physics, psychology, history, economics, sociology, English, and the foreign languages, see departmental announcements in the College of Letters and Science.

For a description of the courses in home economics see departmental announcements of the College of Agriculture.

For a description of the courses in the medical sciences, anatomy, physiology, bacteriology, hygiene, pharmacology and toxicology, see departmental announcements of the Medical School.

Abbreviations used in the announcement of courses

Yr—a continuous course extending through two semesters
I—course given during the first semester
II—course given during the second semester
I, II—semester course given each semester
cr—number of credit hours per semester

DIETETICS

INSTRUCTOR TOEPFER

1. SELECTION, PREPARATION, AND SERVING OF FOOD FOR THE SICK. I or II; 2 cr.

2. ADVANCED DIETETICS. I or II; 1 cr. Prerequisite: Dietetics 1.

NURSING

PROFESSOR DENNE
ASSOCIATE PROFESSOR FLETCHER
ASSISTANT PROFESSOR MURRAY

1. ELEMENTARY PRINCIPLES OF NURSING. I, II; 2 cr.

2. ELEMENTARY PRINCIPLES OF NURSING. I, II; 2 cr. Continuation of Nursing 1 which is prerequisite.

3. CARE OF INFANTS AND CHILDREN. I, II; 2 cr. Prerequisites: Nursing 1 and 2.

4. SPECIAL TECHNIQUE. I, II; 2 cr. Prerequisites: Nursing 1, 2, 3.

5. SOCIAL PROBLEMS FROM THE STANDPOINT OF NURSING. I or II; 4 cr. Prerequisites: Nursing 1, 2, 3, and 4.

106. PUBLIC HEALTH NURSING. I, II; 1 cr.

107. INSTITUTIONAL NURSING. I, II; 1 cr.

108. SCHOOL NURSING. I, II; 1 cr.

109. Special Problems in Nursing. I, II; 2 cr.

110. Rural Nursing. I, II; 1 cr.

111. Visiting Nursing. I, II; 1 cr.

112. Infant Welfare. I, II; 1 cr.

MEDICINE AND SURGERY

Professor Evans, and other members of the medical and surgical staff of the hospital.

1. Recognition and Treatment of Disease. I, II; 2 cr.

2. Health, Disease, and Therapy in Infancy and Childhood. I, II; 6 cr. Includes pediatrics, orthopedics, and operating room technique.

3. Nervous and Mental Health, Disease, and Therapy. I, II; 3 cr. This course includes the principles of psychology.

4. Health, Disease, and Therapy of the Eye, Ear, Nose, Mouth, Throat, and Skin. I, II; 2 cr.

5. Communicable Diseases. I; 1 cr.

6. Obstetrics. I, II; 2 cr.

7. Urogenital Surgery and Gynecology. I, II; 2 cr.

THERAPEUTICS

Professor Loevenhart
Associate Professor Leake
Instructor McQuaker

1. Materia Medica. I, II; 3 cr. The recognition, use, and danger of drugs used in medicine.

2. Anaesthetics. I, II; 2 cr. The nature and use of anaesthetics. Prerequisite: Therapeutics 1.

PART VI—THE GRADUATE SCHOOL

CHARLES S. SLICHTER, DEAN

ADMISSION TO THE GRADUATE SCHOOL

Admission to the Graduate School is based upon the undergraduate record. In order to avoid delays incident to the opening of a session, applicants for admission should send to the Graduate Office, several weeks in advance of their coming, an official transcript of this record. They will do well to ascertain promptly, in person or by letter, whether the record shown by the transcript is in all respects acceptable for admission to the Graduate School.

Graduates of institutions in which the requirements for a bachelor's degree fall short of those existing at the University of Wisconsin may be admitted to the Graduate School, provided their training is found to be less than a year short of the regular requirement for admission.

Admission to the Graduate School does not of itself imply admission to candidacy for an advanced degree. Admission to candidacy is determined only after a student has shown that he is qualified to pursue graduate study successfully.

Members of the faculties of other institutions or of the staffs of research organizations, who have been granted higher degrees, are invited to avail themselves of the facilities offered by this University to do special investigation.

FEES AND EXPENSES

For detailed statement see section on Student Expense, beginning page 21.

Graduate students who have completed all the work for a higher degree except the oral examination, pay a fee of $10 only.

FEES AND EXPENSES

No tuition is charged to residents of Wisconsin, but non-residents are charged a fee of $62.00 per semester, in accordance with the following excerpt from the Wisconsin Statutes: "Any student who shall have been a resident of the state for one year next preceding his first admission to the University, or any student whose parents have been bona fide residents of this state for one year next preceding the beginning of the semester for which the student enters the University, shall be entitled to exemption from fees for tuition, but not from incidental fees in the University." A general fee of $20.50 per semester is payable by all students, and a library deposit of $2.00 is required once of each student. A fine of $3.00 is imposed for failure to register and pay fees during the regular registration days. Withdrawal from the University within eight weeks after the first day of instruction entitles the student to a partial refund on fees paid.

Members of the teaching and research staff of the University and graduate fellows and scholars who are candidates for higher degrees are not required to pay the non-resident tuition fee. After any such candidate shall have paid

to the University in such fees a total sum equal to or greater than that usually paid in seven semesters of candidacy by graduate students who are residents of the state, he shall be exempt from payment of such fees in subsequent semesters. Candidates for a higher degree who have completed all of the required work except the oral examination pay an examination fee of $10. Instructors and assistants are exempt from payment of laboratory fees in their own departments. The fee for the summer session of six weeks is $32.50, and for the session of nine weeks $48.50.

Furnished single rooms may be secured at from $4 to $6 a week and double rooms at from $3 to $5 a week per student. Lists of approved rooming houses for men and for women are prepared by the Dean of Men and Dean of Women respectively, from whose offices copies may be secured. Board at restaurants and cafeterias ranges from $6.50 to $9 a week. The University Club for men and the College Club for women offer exceptional rooming and boarding facilities to graduate students who may be received as members.

The men's and women's gymnasiums are open to graduate students; a locker and laundry fee of $2 a semester is charged.

SUMMER SESSION WORK

The regular summer session of the University is six weeks in length. There is also, however, a session of nine weeks open only to graduate students. The classes and seminars in the nine-week session are held on the first four days of the week, leaving Friday and Saturday free for uninterrupted work in laboratory or library. Two courses pursued for nine weeks constitute full credit for the work of one-half semester. One six-week course and one nine-week course may also be offered for full credit, provided extra work is arranged for the last three weeks of the nine-week course. This permits any six-week graduate course to be associated with any nine-week course for full half-semester residence credit. No nine-week course, however, may be taken for six weeks only.

RESEARCH FUND

The State Legislature has provided the sum of $30,000 for the promotion of research in the University. The President of the University has appointed a University Research Committee to receive information concerning projects of research for which special aid is needed and for which adequate funds are not now available from any other source.

CLUBS AND SOCIETIES

To promote interest in problems of scholarship and investigation, and for training in the presentation of results, numerous voluntary clubs and societies have been established by instructors and students in the Graduate School. Among these are Sigma Xi, Classical Club, Language and Literature Club, Historical Conference, Romance Language Club, Graduate Club in Education, German Journal Club, Chemical Club, Biological Club, Mathematical Club, Mining Club, University of Wisconsin Branch of the American Institute of Electrical Engineers, Wisconsin Section of the American Chemical Society, University of Wisconsin Section of the American Electro-Chemical Society.

The Graduate Club, while sharing in these purposes, is primarily a social organization for the promotion of acquaintance and good fellowship among graduate students and members of the faculty.

The University Club, a local organization of college alumni, maintains a well-epuipped clubhouse near the university grounds and the privileges of this house, including its lodging and restaurant facilities, are open to male graduate students, who may become associate members of the club.

The College Women's Club maintains, at 12 East Gilman Street, a clubhouse where facilities are available to all women graduate students.

The University Gymnasium is open to use of graduate students. A special gymnasium, in Lathrop Hall, is provided for the use of women.

UNIVERSITY PUBLICATIONS

The extent and scope of the research work in progress at the University is illustrated in its bulletins and other publications. The University of Wisconsin Studies are published periodically at Madison, and contain original papers by persons connected with the University.

From the Washburn Observatory are issued the Publications of the Washburn Observatory; from the Agricultural Experiment Station, bulletins and annual reports; and from the office of the Farmers' Institute, the Wisconsin Farmers' Institute Bulletin.

Results of research in the College of Engineering are published from time to time in Bulletins of the Engineering Experiment Station.

A check list showing the issues to date in the above-named series, and giving more detailed information regarding other publications of the University may be obtained on application to the University Editor.

Besides the official publications of the University the following publications are edited at the University.

Bulletin of the Wisconsin Geological and Natural History Survey. E. A. Birge, Director.

Transactions of the Wisconsin Academy of Sciences, Arts, and Letters, edited by Arthur Beatty, Secretary.

FELLOWSHIPS AND SCHOLARSHIPS

UNIVERSITY FELLOWSHIPS

With the exception of honorary fellows, all fellows and university scholars are required to pay the incidental fee.

For the purpose of promoting higher scholarship and research the Regents of the University have established twenty-six University Fellowships of the annual value of $600 each. These are alloted to the several departments of instruction as follows:

To Economics, two; to History, two; to Geology, and the biological sciences (Zoology), two; to Engineering, three; to Agriculture, four; to the following departments and groups of departments one each viz. Agricultural Chemistry, Agricultural Economics, Botany, Plant Pathology, Political Science, Sociology, Latin, Greek, German, Romance Languages, Chemistry, Physics, Mathematics and Astronomy, Philosophy and Psychology, Education, Home Economics.

To the above should be added one unassigned fellowship and certain endowed fellowships specially described upon following pages.

The following are regulations respecting fellowships and scholarships.

1. Any fellowship to which the present regulations apply may be held by any graduate of a college of recognized standing or by anyone whose education is equivalent to that represented by a college degree. Those about to take such a degree are eligible candidates, the regulations applying to the time of entrance upon the duties of the fellowships. Men and women are equally eligible. Preference in appointment will usually be shown to candidates who possess a competent reading knowledge of French and German.

2. Fellowships will be granted only upon application, which should be made upon a special blank form furnished by the Dean of the Graduate School; such application, with accompanying evidence of merit, attainment, and ability, to be in the hands of the Dean of the Graduate School before February 15 of the collegiate year preceding that during which the fellowship is to be held.

3. All fellowships will be filled each year. Fellows may be reappointed for one additional year only.

4. Application must be accompanied by evidence of scholarship, ability, and general worthiness, such as these (whether prepared for this or other purposes), published writings, testimonials from instructors, outline of educational course pursued, special distinctions gained, and the like. Applications for reappointment should contain a full account of the work of the preceding year. Applications to receive attention must contain a definite statement of the special studies which the applicant intends to pursue.

5. Each fellow shall pursue his studies under the direction of an assigned professor or professors. Assignment of university services to the fellow shall be made by the President in consultation with the head of the department to which the fellow has been assigned, and the work assigned may be equivalent to one hour of teaching daily.

6. Vacancies in fellowships, due to resignation or other cause, may be filled as they occur, at the option of the Faculty.

THE LYMAN COPELAND DRAPER FELLOWSHIP IN WESTERN HISTORY

This fellowship, established in the University of Wisconsin by the Wisconsin Historical Society, is worth $500 a year, paid by the Historical Society. The incumbent gives service, as a calendarer of Draper manuscripts, to the amount of fifteen hours per school week.

HONORARY FELLOWSHIPS

The Regents have established honorary fellowships, equal in number to the university fellowships, and elected by the Graduate Committee upon recommendation of a Graduate Division or of a department. These are restricted, however, to persons who have already held academic honors, such as fellowships or teaching or research appointments. No compensation is attached to these positions except the remission of university fees, and no teaching service is re-

quired, but to be eligible to an honorary fellowship one must be a graduate of at least one year's standing.

SCHOOL OF EDUCATION FELLOWSHIPS

Two resident fellowships with an annual value of $600 each are provided in the School of Education. These fellowships are assigned by the School of Education to graduate students who are interested primarily in the problems of teaching secondary school subjects.

The purpose of these fellowships is to encourage advanced work toward higher degrees by students who expect to take charge of special teachers' courses in normal schools, colleges and universities. They are, however, open to experienced teachers preparing for work in secondary schools. The work assigned to the holders of these fellowships will be under the joint supervision of the Director of the School of Education and the department in which the fellowship is assigned.

THE HARRIET REMINGTON LAIRD FELLOWSHIP

By the will of the late John M. Olin the sum of $10,000 was bequeathed to the Regents of the University in trust, in memory of Harriet Remington Laird, sister of Mrs. Olin. The net income from this fund "shall, either yearly or biennially, as said Regents may determine, be used as a fellowship fund to be awarded to some woman graduate student selected by the faculty of the University, such selection to be approved by said Regents." For the year 1926-27 this fellowship amounted to $638.08.

BELLE CROWE FELLOWHIPS IN CHEMISTRY AND BIOLOGY

The will of the late Belle C. Crowe of Madison provides for a perpetual trust fund to be known as the "Belle Crowe Fellowship Fund," the net income from $20,000 to be used for a graduate fellowship in inorganic chemistry and the income from the balance of the fund to be used for a graduate fellowship in biology; the selection of the fellows is to be made by the Faculty and approved by the Regents. If, in the judgment of the Faculty, the research work to be carried on under these fellowships can be performed to greater advantage elsewhere than at the University, the privilege of doing such work elsewhere may from time to time be granted.

THE ADAMS FELLOWSHIPS

By will, the late Charles Kendall Adams, formerly president of the University of Wisconsin, conveyed the larger part of his estate to the Regents of the University for the gradual establishment of fellowships in modern history, Greek, and English. These fellowships, the Mary M. Adams Graduate Fellowships in English Language and Literature, the Charles Kendall Adams Graduate Fellowship in Greek, and the President Adams Graduate Fellowship in Modern History, each pays annually about $640.

THE ALBERT MARKHAM MEMORIAL GRADUATE TRAVELING FELLOWSHIP

In accordance with the terms of a bequest from the estate of the late Albert Markham, founder and principal of Markham Academy, Milwaukee, the Albert Markham Memorial Graduate Traveling Fellowship is offered annually in the departments of language and literature of the University of Wisconsin to holders of a Ph.D. degree, and is administered by a committee representing those departments. The annual income is approximately $800 but temporarily this may be increased to $1,000.

The major work of the appointee must lie in one of the departments of language and literature. The fellow assigned is expected to devote the year to foreign travel and study in foreign universities, but by special permission may study at some other American university.

INTERNATIONAL STUDENT EXCHANGE FELLOWSHIPS

During 1926-27 the liberality of the Steuben Society of Milwaukee enabled the University of Wisconsin to offer two fellowships of $800 each to students from Germany for a year's study at Madison. These fellowships are administered by the American-German Student Exchange of the Institute of International Education of New York.

GRADUATE RESEARCH FELLOWSHIPS IN ENGINEERING

For the purpose of promoting engineering research and the development of qualified research men, the University of Wisconsin has established three research fellowships in the College of Engineering. These fellowships are granted under the following conditions:

Each fellow will be appointed for a period of two years, subject to satisfactory service. The salary will be $900 for the first year and $1100 for the second year. The fellow will be required to devote not less than half his time to assigned research work in the College of Engineering, but will in any case be given opportunity to complete his work for the M.S. degree within the two-year period. Candidates must be graduates of engineering colleges of recognized standing and should preferably have had one or two years' graduate study or teaching or engineering experience. The period of service required will be the usual academic year, including the short vacations.

SPECIAL FELLOWSHIPS IN ENGINEERING

The Gas section, the Electrical section, and the Electric Railway section of the Wisconsin Utilities Association each maintains a fellowship valued annually at $500, open to graduate students. Appointment to the gas fellowship is made by the Chemical Engineering Department, and those to the electrical and electric railway fellowships by the Electrical Engineering Department.

In the Department of Mining and Metallurgy, cooperative fellowships are offered under grants from the Engineering Foundation, Wisconsin Steel Foundry Research Foundation, and the Wisconsin Gray Iron Research Foundation. These fellowships carry stipends of $1,200 per year and in each case the fellow carries on research work on some special problem relating to the particular industry.

WORKING FELLOWSHIPS

In certain departments of the state government provision is made for part-time service to be rendered by graduate students whose university studies are in related branches of economics or political science. These positions are filled through the State Civil Service Commission to which application may be made for further information.

HOLLISTER FELLOWSHIP IN PHARMACY

Mr. and Mrs. Albert H. Hollister, late of Madison, by separate wills conveyed to the Regents of the University legacies, now amounting to $10,328, for the establishment and maintenance of a fellowship in pharmacy. The annual income of this sum is alloted to a graduate student upon the recommendation of the Department of Pharmacy.

WISCONSIN LEGISLATIVE SCHOLARSHIPS

There are available in the Graduate School of the University of Wisconsin to non-residents of this state, a number of so-called Legislative Scholarships, which pay the recipient $124 per year, or an amount equal to the non-resident tuition fee. The assignment of these scholarships is in the hands of a sub-committee of the Graduate Committee of the University. A candidate for one of these scholarships should apply to the Dean of the Graduate School for an application form and submit to that office a transcript of his undergraduate record, and of any graduate work already completed.

GRADUATE SCHOLARSHIPS

The Regents of the University maintain twenty-three graduate scholarships of the value of $250 each. Two of these are designated for Economics, one for Political Science, one for European History, one for American History, and four for Agriculture. Appointments to these scholarships are made in the same manner as appointments to fellowships (see the rules printed above). By special provision authority is conferred upon the faculties of Beloit, Carroll, Lawrence, Milton, Milwaukee-Downer, and Ripon to nominate annually to the Faculty of the University of Wisconsin one member of their respective senior classes as a suitable candidate for a university scholarship. Such candidates when duly appointed by the Regents of the University shall be in all respects upon the same footing as other university scholars.

THE DR. MARTHA L. EDWARDS MEMORIAL SCHOLARSHIP IN HISTORY

This scholarship, carrying a stipend of $250 a year and free tuition, for a woman graduate in history, was founded by the Madison branch of the American Association of University Women, in memory of the late Dr. Martha L. Edwards, one of the active founders of the branch, and a devoted friend of women in the Graduate School.

OTHER SCHOLARSHIPS AND FELLOWSHIPS AVAILABLE IN THE GRADUATE SCHOOL

The Fritzsche Brothers Fellowship in Pharmacy of the value of $500 is offered by the Fritzsche Brothers of New York. The holder of this fellowship is to do research work in plant chemistry with special reference to the Monardas and related problems.

The Newport Chemical Company provides a fellowship in Pharmacy of the value of $1,000 to be devoted to research work along the line of synthetic new remedies.

The du Pont fellowship in Chemistry of $750 is offered by E. I. du Pont de Nemours and Company of Wilmington, Del.

The Menomonie River Sugar Company provides an industrial fellowship of the value of $700 a year.

The Wisconsin Utilities Association and the National Committee on the Relation of Electricity to Agriculture provide a fellowship in Agricultural Engineering. The value of the fellowship for the year 1925-26 was about $4,000.

The International Association of Milk Dealers provides a fellowship in the Dairy Department of a value of $600 a year.

Two scholarships for young French women are offered consisting of $500 each with remission of tuition fees. These young women are to reside in the French House.

A number of special fellowships and scholarships are available in the Department of German.

The Wisconsin chapter of Omicron Nu offers a yearly scholarship open to either graduate or undergraduate students. It returns from $200 to $250 a year.

Anna Morris Ely Scholarship in Economics. The annual stipend is $250.

RESEARCH ASSISTANTSHIPS IN THE FOREST PRODUCTS LABORATORY

In accordance with the regulations of the United States Civil Service Commission, a limited number of students who show unusual ability in research may be appointed as student research assistants by the Forest Service and Bureau of Plant Industry. The entire time of the student is given to lecture or class work in the University and to research in the Forest Products Laboratory. The salary varies from $200 to $500 a year and laboratory fees will be remitted for work in the Forest Products Laboratory. The number of students thus appointed will depend largely upon the funds available. There are also established under similar conditions two Forest Products Laboratory Fellowships. Applications for these assistantships and fellowships, accompanied by testimonials, should be sent to Director C. P. Winslow, Forest Products Laboratory, Madison, Wisconsin, before March 1 of the academic year preceding that during which such appointments are to be held.

SECOND DEGREES

NON-PROFESSIONAL DEGREES

The University of Wisconsin confers the following non-professional second degrees Master of Arts, Master of Science, Master of Philosophy.

These degrees are conferred in accordance with the conditions set forth below upon graduates of the University of Wisconsin and upon graduates of other institutions of learning whose preliminary training has been substantially equivalent to that represented by the baccalaureate degrees of the University of Wisconsin. The University will determine this substantial equivalence of training by such methods as seem best adapted to each case, and may impose upon any candidate such additional requirements as seem needful and just, its judgment in this respect being influenced by the actual attainments of the candidate in larger measure than by the institution at which he has previously studied, and its purpose being to adjust the differences in the training furnished by different institutions.

The degree, Master of Arts, is conferred upon candidates whose undergraduate work corresponds to that now leading to the degree, Bachelor of Arts, as conferred by the University of Wisconsin, and whose graduate studies are non-professional in character. The degree, Master of Science, is conferred upon candidates whose undergraduate work corresponds to that now leading to the degree, Bachelor of Science, as conferred by the University of Wisconsin. The degree, Master of Science, may also be conferred upon bachelors of arts who are adequately trained in mathematical, chemical, physical, or biological science. The degree, Master of Philosophy, is conferred upon candidates whose academic training corresponds to that leading to the degree, Bachelor of Philosophy, as conferred by the University of Wisconsin.

Candidacy for the above degrees is normally based upon resident study at the University but in a considerable class of cases provision is made whereby a measure of credit is extended to work done *in absentia*. In no case, however, will a master's degree be conferred in course without the equivalent of two semesters of graduate study, at least one of which, or its equivalent in summer sessions, must be spent at the University of Wisconsin.

The following regulations for the attainment of second degrees apply to all candidates in residence:

1. During a period of at least one academic year the candidate must pursue a course of graduate study characterized by definiteness of purpose and approved by the University as appropriate to that purpose and suitable in amount. Such course includes normally from nine to twelve unit-hours of graduate work for each semester, of which at least one-half must lie in a single department. The undergraduate preparation of the candidate must be sufficient to satisfy the instructor that the advanced work may be profitably undertaken. Undergraduate courses of suitable character may be elected in addition to the normal amount of graduate work, provided that the recommendation of the professor in charge of the student's major and the approval of the Dean of the Graduate School be obtained in advance.

2. Students who, during their candidacy for a second degree, are engaged in teaching, or other remunerative employment, will be required to devote to their studies such period longer than one year as may be designated by the Graduate Committee.

3. For students seeking to specialize in a definite line of study the preparation of a thesis may be required and, subject to the approval of the professor in charge, such thesis work may be selected by others. If elected, a typewritten copy of the completed thesis bearing the approval of the professor under whom it is taken must be filed with the Librarian of the University on or before June 1 of the year in which the degree is conferred.

4. The candidate must pass an oral examination upon the preliminary training and graduate work offered in support of his candidacy. Subject to the approval of the President of the University, the time and place of this examination will be determined and the examining committee appointed by the Dean of the Graduate School.

5. A thesis offered in partial fulfillment of the requirement for a master's degree must be typewritten and bound according to specifications furnished by the Librarian of the University, and before it is accepted must be approved by the Major Professor under whose guidance it has been done. It shall be deposited in the University Library by the Tuesday before commencement and its title, as approved in advance by the Major Professor, will appear in the commencement program.

MASTER OF SCIENCE IN ENGINEERING

The degree of Master of Science in Engineering (the diploma to contain a specific designation of the course taken as, for example, Master of Science in Civil Engineering) will be conferred upon candidates whose undergraduate work corresponds to that leading to the degree Bachelor of Science in Engineering, as conferred by the University of Wisconsin, under the following conditions:

1. The candidate shall satisfy all of the general regulations pertaining to second degrees described in the preceding section.

2. The candidate must maintain a *superior grade* in his graduate work.

3. The candidate is required to submit a thesis giving evidence of analytical investigative work. The study may be of an economic, historical, statistical, theoretical, or experimental type. A typewritten copy of the complete thesis, bearing the approval of the professor under whom it is taken, must be filed with the Librarian of the University on or before June 1 of the year in which the degree is conferred.

4. A graduate from the College of Engineering of this University or a graduate from another school with equivalent preparation who continues his studies in the same branch of engineering in which he obtained the bachelor's degree, can complete the requirements for the master's degree in engineering in one year.

5. A graduate whose training has not been equivalent to that offered in the College of Engineering of this University will be required to spend more than one year in graduate study before he will be granted his advanced degree. If the student is required to do more than one semester's work to make up the undergraduate requirements in the College of Engineering of this University, he will not be allowed to register in the Graduate School, but must enroll in the College of Engineering.

6. The Advanced Standing Committee in the College of Engineering, subject to the approval of the Graduate Committee, shall determine whether the student is sufficiently prepared to do graduate work or whether he should enroll in the College of Engineering.

THE PROFESSIONAL ENGINEERING DEGREES

The degrees of Civil Engineer, Mechanical Engineer, Electrical Engineer, Chemical Engineer, and Engineer of Mines will be granted to graduates from the College of Engineering of the University of Wisconsin, who have spent five years in professional and educational work, (during one of which they must have been in responsible charge), who have proved their ability to plan or to design as well as to direct engineering work or original investigation along engineering or scientific lines, and who present an acceptable thesis. Graduates who hold the degree of M.S. in Engineering from the University of Wisconsin are credited with two years professional work.

The thesis shall give evidence of professional attainment. It shall be in such form and of such an original contributive or analytical character as to make it suitable for publication in the proceedings of the appropriate national engineering society. The thesis may be an engineering study of an economic, design, or research nature. It may not be a mere description of usual engineering work or a digest of engineering literature. A copy of the thesis must be in the hands of the Dean not later than May 1, if the candidate is to receive his degree at the following Commencement.

The professional degree will be granted in the course in which the candidate has received his B.S. or M.S. degree, unless the candidate requests otherwise, and submits with his request, satisfactory evidence of his scientific attainments in the field in which the professional degree is requested.

SECOND DEGREE IN PUBLIC HEALTH

The degree of Master of Public Health will be conferred upon graduates of approved medical colleges who satisfactorily complete one year of graduate work in sciences related to public health. For a detailed statement regarding this degree application may be made to the Dean of the Medical School.

SECOND DEGREE FOR STUDENTS IN PROFESSIONAL COLLEGES

Graduates of approved institutions who are regularly enrolled in the professional colleges of this University may supplement their professional studies by work taken in the Graduate School. Upon the completion of an approved course of study they will be admitted to examination for the master's degree, to be conferred at the time of their graduation.

DOCTOR OF PHILOSOPHY

I. THE DEGREE. Doctor of Philosophy is a research degree. It is not a degree conferred solely as a result of study, no matter how faithful, extending over any prescribed period; it does not rest merely upon any computation of time or any enumeration of courses. Questions of residence and plans of study, listed below as the minimum, are secondary. The granting of the degree is based essentially upon evidence of general proficiency and of distinctive attainments in a special field, and particularly upon the recognized power of independent investigation as shown by the production of a thesis embodying original research or creative scholarship and presented with a fair degree of literary skill.

II. RESIDENCE. Candidacy for the degree is based upon resident graduate study normally extending over a period of not less than three academic years, at least one of which must be spent at this University.

But it is to be understood that the mere completion of three years of resident study does not of itself confer a right to take the final examination. The matter of time is determined by the character of a student's undergraduate record and by the quality of the work done in the Graduate School.

One whose undergraduate work is insufficient in amount or too narrowly specialized must count on spending additional time in preliminary studies essential as a basis for the advanced work the student purposes to undertake.

Candidates who are engaged in teaching or other remunerative employment will be required to devote to their candidacy such period in excess of the minimum requirement of three years as may be designated by the Graduate Committee. It is suggested as a very desirable consideration that every candidate for the degree should arrange to devote at least one year exclusively to graduate study.

Residence as a graduate student in another institution of approved standing will be accepted at the University, but residence elsewhere will not reduce the minimum of one year of residence in this University. In evaluating the time spent and work done elsewhere each case will be determined on its merits.

In order to give the work of a graduate student greater breadth, a student may be granted absence from the University to do special investigation in the field or to take advantage of opportunities for research in a special subject not to be found in the University. Such leave of absence is granted only in special cases and under definite limitations.

III. LANGUAGES. A reading knowledge of both French and German is required of all candidates. Certificates of ability to read French and German must be secured from the departments in this University and must be filed with the Dean of the Graduate School before the candidate is admitted to the preliminary examination.

For detailed information and regulations touching the issuance of these certificates, students may apply to the Dean of the Graduate School.

The use of any other foreign language essential to the work of the major subject is in addition to French and German. It is expected that a candidate should have a reading knowledge of at least one language, French or German, upon entrance to the Graduate School, and that he should prove his ability to read one of the two, if not both, by the end of the first year of graduate study.

IV. Plans of Study. The degree of Doctor of Philosophy is never granted for miscellaneous studies. The course as a whole must be rationally unified and all constituent parts must contribute to some general object of study and research. The course must be selected from groups, embracing one principal subject, called the Major, and one or two subsidiary and cognate branches, called the Minor.

Major Study. A candidate is required to select a field of study which may be co-extensive with the work of a single department, or with one of the "subjects" under which certain departmental plans of courses are arranged, or which may be constructed from two closely interrelated subjects. Only in the exceptional case will a Major be allowed to extend beyond a single department and then only with the prior approval of the Dean.

Minor Studies. In order to obviate overspecialization, a candidate is required to pursue one, and may pursue two, minor studies lying outside the major subject but cognate with it. The relation of the subsidiary subjects to the principal and the number of them depends largely on the character of the course as a whole and the general attainments of the candidate. In general the Minor shall aggregate from a fourth to a third of the time devoted to graduate study.

Major Professor. One of the instructors in the department of the Major is selected by the student as his Major Professor. The candidate will consult the Major Professor in the selection and arrangement of a program of work embracing both the major and minor fields. The Major Professor will have immediate supervision of the thesis. The candidate should consult with the Major Professor at suitable intervals. It is one of the unique advantages of graduate life that a student comes into freedom of association with older scholars who will seek to make his work profitable by counsel and assistance and who will aid the student in acquiring for himself the discipline and method of independent scholarship.

Departments and Divisions. The work of the Graduate School as a whole is organized not only according to departments, but also according to divisions, each of which includes allied departments. Subjects differ greatly and the requirements fixed by a department or a division cannot be stated in terms at once specific and uniform. Information about the special requirements of departments or divisions is to be found in their separate announcements.

V. Admission to Candidacy. A student is not permitted to take the final examination for the degree until he has been formally admitted to candidacy by passing a preliminary qualifying test. The preliminary examination must be taken not less than twelve months in advance of the date when the degree is expected to be conferred. Exceptions to this rule may be made in individual cases upon recommendation of a division to the Graduate Committee; and for the students who come to Wisconsin for their last year of graduate work, arrangements will be made whereby the preliminary examination can be taken in the early part of the academic year.

The candidate shall file with the Dean a formal application to be admitted to candidacy for the doctor's degree. A blank form suitable for this purpose is furnished by the Graduate Office and this formal application should embrace the following statements: (a) Departmental recommendations of candidacy based upon a formal written examination, or an oral examination before a duly appointed committee, or such other substantial test as the departments may elect. The nature of the test shall be stated in the recommendations. (b) The scope of the proposed minors with the approval of the professor who assumes charge of each minor. (c) The title of the proposed thesis (subject to future verbal change) approved by the Major Professor. (d) Certification that the French and German requirements have been met.

This application shall be submitted to the Graduate Committee, which may reject it for cause, or may approve it and admit the student to candidacy. With reference to time requirements imposed by the University, the Graduate Committee may specify the earliest permissable date for the final oral examination.

VI. Final Examination. The degree Doctor of Philosophy is not granted for faithful study for a prescribed time or in fulfillment of a definite program, but on the ground of long study and distinct attainment in a special branch of knowledge manifested by a final examination and by the presentation of a thesis which gives evidence of original treatment of a fitting subject and forms a contribution to knowledge.

Oral Examination. Every candidate for the doctor's degree is subject to an oral examination upon the thesis and the general field of the major and minor studies, but the preliminary examination may be construed as final in certain aspects of the major and minor subjects if the professors in charge of the candidate's work are satisfied with his preparation. Such delimination of the subjects to be offered in the final oral examination must be made a matter of record with the Dean of the Graduate School.

The Dean of the Graduate School will appoint for each candidate an examining committee, usually composed of five persons, with the Major Professor as chairman, and will designate a time and place for the examination. The candidate's completed thesis shall be presented to this committee, or in lieu thereof, the Major Professor shall state to the committee its purpose and scope and shall certify to the committee that the work upon the thesis is substantially completed. This examination shall be open to all members of the Graduate Faculty.

VII. Thesis. At any time after admission to candidacy, and at least thirty days prior to the final examination, the candidate must submit to the Dean of the Graduate School, for approval of its mechanical form and execution, a typewritten copy of his completed thesis. The Dean will furnish an official title page for the thesis and appoint a committee of three consisting of the Major Professor and two members of the Graduate Faculty, to pass upon its substantial merit. Their report, if favorable, shall be endorsed upon the official title page. When so endorsed, the thesis shall be brought to the Graduate Office and then filed in the University Library. The thesis can be withdrawn from the Library only upon written authorization of the Dean of the Graduate School. In case of divided opinion among the examiners, the case shall be referred to the Graduate Committee with right of appeal to the Graduate Faculty.

ABSTRACT. After the approval of the thesis, the candidate may file with the Dean of the Graduate School either an abstract of the thesis, or a selected part thereof, certified by the Major Professor to be adequate for publication in lieu of the complete thesis.

SECURITY FOR PUBLICATION. After filing such abstract or selected part the candidate shall place with the University Bursar the sum of fifty dollars as a guaranty of prompt publication of his thesis. The sum so placed shall be held in trust by the Bursar for a period of not less than one year and shall be refunded to the candidate if during such period he shall deliver to the University Librarian the printed copies of his thesis as prescribed below. At the expiration of the period thus described the Dean of the Graduate School may declare such fifty dollars to be forfeited to the fund for the publication of thesis abstracts and it shall be transferred to that fund by the Bursar.

The successful candidate is urged to put his thesis into print as promptly as possible and to deposit one hundred copies of the same in the University Library. In the case of doctor's thesis published in (a) such scholarly periodicals or society or university publications as shall be approved by the Dean of the Graduate School, or (b) in bound volumes issued and sold by well-known publishing houses approved by the Dean, the candidate may deposit in the University Library six copies of the thesis so published in lieu of the one hundred copies above described. By approval of the Major Professor and the Dean of the Graduate School, publication and filing of an approved part of the thesis may be accepted in satisfaction of this requirement.

PART VII—EXTENSION DIVISION

(EXTRA-MURAL COLLEGE)

CHESTER D. SNELL, DEAN

Of the three main functions of a commonwealth university—(1) resident instruction, (2) research, and (3) the dissemination of the useful and assimilable knowledge which has been accumulated through productive scholarship, to all classes of citizens and in forms adapted to their requirements—the third is fulfilled in an organized way by the Extension Division.

This Division constitutes the extra-mural college of the University, and is, therefore, one of the seven coordinate divisions of the University with a dean and a faculty.

OBJECT

The object of this University in carrying on extension work is to provide the highest type of continuing education feasible for the citizens of the commonwealth who are unable to attend established educational institutions, and to give every one in the state the opportunity to obtain the highest education possible at the smallest practical expense—to bring the University and the home into close relaionship.

ORGANIZATION

The work of the Extension Division is divided into three departments as follows:

I.—Extension Teaching.
II.—Debating and Public Discussion.
III.—Public Service.

DEPARTMENT OF EXTENSION TEACHING

WILLIAM H. LIGHTY, DIRECTOR

CORRESPONDENCE STUDY

For the needs of those who are unable to adjust themselves to the formal system of education, special forms of consecutive home-study courses have been developed by the Department of Extension Teaching. This department offers individual instruction adapted to the special needs of students who cannot come into residence study at the University. The instruction given may be undertaken in the leisure hours of each student at his own home.

PLAN AND SCOPE

The University of Wisconsin provides, through the Department of Extension Teaching, non-resident or home-study instruction by correspondence, as follows:

1. Certain regular university studies which may, under approved conditions, be taken for credit toward a degree.

2. Advanced courses designed to help persons—graduates and others—in professional or practical life to keep in touch with the advancement in science and in other fields of knowledge.

3. High school and preparatory studies for those for whom the conventional institutions are not available or practicable.

4. Elementary and grammar school studies for those who require such instruction for practical purposes.

5. Vocational courses prepared with reference to the needs and requirements of given occupations.

6. Guided study outlines for program material to aid various organizations in their associated or club work.

GENERAL BENEFITS

Persons who are benefited by correspondence-study may be divided into two main classes: (1) those who have the taste, ability, and inclination to continue their education, whether general or vocational; (2) wage-earners who cannot leave their employment in order to acquire training directed toward greater proficiency and skill.

The first class may be roughly divided into (1) those who wish to keep abreast of the advances in knowledge in their profession or business, or who wish to study purely for purposes of general culture and the enjoyment of the intellectual pleasures that accompany the sense of mastery of knowledge and the getting of understanding; (2) those who wish to acquire units of credit toward a university degree; and (3) those who require preparation for entrance to the University.

The second class includes (1) those whom the necessity of earning a livelihood has taken from school before acquiring a satisfactory elementary education; (2) those who have had the benefit of more or less liberal educational opportunities but have received no training especially adapted to fit them for their chosen vocations; and (3) those who desire to change vocations and prepare themselves for employment more nearly adapted to their tastes and abilities.

This system of instruction is designed for persons carrying on their own education. It is open to non-residents as well as to residents of the state of Wisconsin.

METHOD

Procedure. The student who wishes to undertake correspondence study should first select such course or courses as he may desire to take. He should then fill out the application blank with information called for, and return it, with the required fee, to the office of the Extension Division. The necessary textbooks, outfits, etc. may also be purchased through the Extension Division if the student so desires. Ordering texts through the Extension Division at the time of registration saves time and facilitates a prompt start. Students are encouraged to register for but one course at a time. Not more than two courses

may be registered for at one time unless the student can give evidence that he has at least several hours each day to devote to study.

THE INSTRUCTION. Upon receipt of the application and fee, the first two assignments will be sent with instructions for study, methods of preparation, and directions for returning recitation sheets and reports. Each recitation report will be returned to the student with such corrections, explanations, and suggestions as may be needed. Lists of books, assignments for reading, and all necessary assistance will be furnished throughout the course, so that no student will be left without adequate aid and guidance. Questions on the subject in hand are at all times encouraged.

BY WHOM PREPARED. These courses are prepared by the members of the University Faculty, and each represents a definite amount of work equivalent to similar work done in residence at the University, or in standardized schools.

THE UNIT COURSE. The unit course is divided, where practicable, into forty weekly assignments. Such a course represents at least an amount of work equal to that done in residence at the University in a study of five recitation hours a week for one semester or half year. It is assumed that this work may be done by the average student in forty weeks on a minimum leisure for study of one hour a day, six days in the week. It is, however, the student's privilege to pursue his studies as rapidly as he is able, consistent with good work and the rules of the University.

THE LESSON ASSIGNMENT. The unit course is divided into assignments. In some courses this may call for but a single report, but in others the assignment may be divided into two or more lessons. In all cases the assignment represents an average week's work, and not an evening's work as at school.

PERMANENCE. The department endeavors to make its work thorough and permanent, and the various courses have been arranged, wherever that is desirable, in coordination with the regular residence work, the short courses, and the summer session.

EXAMINATIONS. Examinations are optional with the student, but are required where credits or certificates are sought. These examinations must be taken at the University, under conditions approved by the University.

REGULATIONS. 1. Students may begin correspondence-study courses at any time during the year.

2. For admission to a correspondence-study course no preliminary examination is required. The student is required to fill out an application blank, giving such information as may be helpful to the instructor in adapting the instruction to his personal needs.

3. Students who undertake correspondence-study work for university credit must state this fact in advance and comply with all the requirements of the University.

4. For the benefit of the department it is desired that the applicant state fully the purpose he has in view in taking the work and also in detail such

educational advantages, training, or experience as he may have had. The department endeavors to meet the needs of the individual student by advice and suggestion, as well as by formal instruction, but whenever it finds that the course elected is not for the best interests of the student, it reserves the right to reject the application, or to advise a change to another course.

5. The time in which a correspondence-study course is to be completed varies with the length of the course. One year is allowed for a course of twenty-four assignments in length or less, fifteen months for a course of from twenty-five to thirty-two assignments, and eighteen months for a course of from thirty-three to forty assignments. A reinstatement fee is charged when courses are not completed within the time limit allowed.

6. All fees are payable in advance, and no fee is refunded because a student fails to start or pursue the course for which he has once registered. If an application for instruction is rejected, the fee remitted will be returned.

7. The fee for university credit courses is five dollars per credit for students who are legal residents of the state of Wisconsin. For students not legal residents of the state of Wisconsin, the fee is eight dollars per credit. For courses not involving university credit, corresponding fees prevail. The expense connected with the instruction of each course is listed in the bulletins where these courses are announced. These fees are deliberately put upon the lowest operating basis.

LABORATORY WORK

Provision is made in connection with many correspondence courses, both in the advanced grade and in the vocational studies, by which laboratory practice forms a part of the instruction. In some courses laboratory outfits are sent to the students from the University to be set up in his own home. In other cases special arrangements are made for short periods of laboratory practice at Madison. In some studies local branch laboratories are established where local students may receive special instruction as the correspondence course proceeds.

UNIVERSITY CREDIT

1. Persons who have had the required preparation for admission to the University will, upon the satisfactory completion of a correspondence-study course designed for credit, have their grades permanently filed in the Recorders office until such credits are to be applied to the granting of the proper degree when the transfer is made.

2. The maximum credit granted for work done by correspondence study, however, may not exceed one-half the number of credit hours required for graduation.

3. At the completion of each correspondence-study course for university credit, the student shall pass an examination held under the direction of the instructor giving such course, or by some one designated by the University for that purpose.

4. Work taken for credit may not be done by any student while in attendance at any institution of learning. In the event a correspondence student has not fully completed a course upon which he has been working, at the time of registration for residence study a suspension of instruction in that course may be granted. When the suspension of instruction is granted, all advance assignments in the hands of the student must be returned to the Recorder's office.

5. In special cases credit may be allowed for correspondence-study courses of preparatory grade to satisfy partial entrance requirements to the University.

6. Credit records of correspondence-study work are filed in the University Extension office until the student has satisfactorily completed one year of study in residence. When all the requirements are satisfied, the correspondence-study records may be transferred to the Registrar's office and applied toward graduation.

7. All courses offered through correspondence study, whether taken for university credit, or not, are on a uniform basis in reference to the amount of work covered. Courses which are satisfactorily completed have, therefore, a definite value, and all students who successfully complete such courses will be awarded statements or certificates indicative of the character of the work done.

Course Number	Title of Course	No. of Assignments	Credits	Tuition in Wisconsin	Tuition outside Wisconsin	Course No. of Residence Equivalent
BOTANY						
1	Description and classification of flowering plants	16 or 32	2 or 4	$10 or $20	$16 or 32	130
11	General botany	40	5	25	40	1
5	Plant histology	24	3	15	24	110
7	Drug and food products	24	3	15	24	111
8	Trees and shrubs	16 or 24	2 or 3	10 or 15	16 or 24	131
21	Elementary botany	32		20	32	
BUSINESS						
153A	Marketing methods (in preparation)					
153B	Marketing problems (in preparation)					
154	Advertising procedure (in preparation)					
192	Salesmanship (in preparation)					
128	Bookkeeping and introductory accounting I	12		10	15	
129	Bookkeeping and introductory accounting II	12		10	15	
138	Accounting principles and practice I	12		10	15	
139	Accounting principles and practice II (in preparation)					
136	Cost accounting	16		16	20	
134	Municipal accounting	7		6	10	
135	Advanced accounting problems	16		16	20	
132A	Federal income tax investments (in preparation)	16		15	20	
137	Auditing	16		16	20	
115	Contracts, law of	10		10	15	
118	Sales, law of	10		10	15	
122	Commercial paper, law of	10		10	15	
124	Private corporations, law of	7		5	8	
5	Show-card writing	10		10	15	
159A	Retail selling	16		10	12.50	
159B	Retail store management	12		10	15	
191A	Retail advertising	16		15	20	
102	Business correspondence I	8		7.50	10	
103	Business correspondence II	8		7.50	10	
186	Practical banking	11		10	15	
	Business principles (in preparation)					
	Factory management (in preparation)					
	Business statistics (in preparation)					
280	Practical foremanship	10		10	15	
281	Management in the factory	10		10	15	
CHEMISTRY						
1	Elementary chemistry	40	5	25	40	1A
2	Qualitative chemical analysis	40	5	25	40	1B
117	Inorganic preparations (in preparation)					
DRAWING						
203	Shop sketching	16		10	16	
204A	Shop drawing	20		15	20	
204B	Advanced shop drawing	20		15	20	
243A	Principles of architectural drawing	16		10	16	
243B	Advanced architectural drafting	10		10	16	

Course Number	Title of Course	No. of Assignments	Credits	Tuition in Wisconsin	Tuition outside Wisconsin	Course No. of Residence Equivalent
1	Elements of drawing	24	3	$15	$24	1
2	Elements of drawing	24	3	15	24	2
3	Descriptive geometry	24	3	15	24	3
4	Freehand lettering	8		5	8	
5	Show-card writing	10		10	15	
ECONOMICS						
1	Principles of economics	32	4	20	32	1a
2	Labor problems	24	3	15	24	122
3	Railway transportation	24	3	15	24	135
10	Elements of money and banking	24	3	15	24	5
11	Current economic problems	32	4	20	32	1b
24	Social problems	24	3	15	24	4
15	Social Psychology	24	3	15	24	139
16	General sociology	24	3	15	24	140
17	Practical sociology	24	3	15	24	141
30	Immigration and race relations (withdrawn, pending revision)					
177	Social agencies and social legislation	16	2	10	16	177
EDUCATION						
1	Mental development	24	3	15	24	11
3	Educational psychology	24	3	15	24	41
60	History of Modern education	24	3	15	24	101
10	Principles of elementary teaching	16		10	16	
20A	The teaching of language in the intermediate and grammar grades and in the rural schools	16	2	10	16	94S
20B	The teaching of literature and reading in the elementary and rural schools	16	2	10	16	94S
31	Principles of secondary education	24	3	15	24	31
51	Social development and education	24	3	15	24	112
61A	Psychology of individual difference	16	2	10	16	143
61B	Psychology of learning and the original nature of man	16	2	10	16	144
71	History of American education	24	3	15	24	103
81	Supervision of instruction	16	2	10	16	139
65	Educational tests and measurements	16	2	10	16	136
4A	Vocational education for the industries	16	2	10	16	152
4B	Direction and supervision of vocational education	16	2	10	16	153
5A	Vocational guidance	16	2	10	16	113
5B	Vocational guidance and counseling	16	2	10	16	116
ENGINEERING—CIVIL AND STRUCTURAL						
404	Civil and structural engineering drawing	12		6	12	
Elements of structural theory:						
450	Part A—Stress and deformation and principles of statics	6		3	6	
451	Part B—Loads and reactions and shears and moments	8		4	8	
452	Part C—Single and cantilever beams —Continuous and restrained beams	8		4	8	

Course Number	Title of Course	No. of Assignments	Credits	Tuition in Wisconsin	Tuition outside Wisconsin	Course No. of Residence Equivalent
453	Part D—Stresses in truss members and columns	6		$ 3	$ 6	
454	Part E—Bending and direct stress and unsymmetrical bending	6		3	6	
410	Roof trusses	12		7.50	12	
411	Plate girders	12		7.50	12	
412A	Bridge stresses—Uniform loads	16		10	16	
412B	Concentrated loads	16		10	16	
413	Design of railway bridge trusses	16		10	16	
418A	Reinforced concrete construction	16		10	16	
418B	Reinforced concrete construction	24		15	24	
418C	Reinforced concrete construction	24		15	24	
421	Steel building construction	16		10	16	
408	Elements of structures	16		10	16	
431	Structural steel drafting and elementary design					
	Part A—Structural steel drafting	6		3	6	
	Part B—Fundamentals of design	10		7.50	10	
	Part C—Steel designing and detailing	8		5	8	
472	Materials of construction	12		8	12	
474	Concrete construction superintendence—Part A	8		6	8	
475	Concrete construction superintendence—Part B	8		6	8	
441A	Elementary surveying	10		6	10	
441B	Advanced surveying	10		6	10	
442	Highway surveying	12		7.50	12	
481	Practical hydraulics	14		10	14	
482	Practical hydraulics	10		7	10	
483	Advanced hydraulics	8		5	8	
445	Railway curves	12		7.50	12	
501	Roads and pavements (in preparation)					
1	Railway engineering—railway curves	12	2†	7.50	12	Ry. 1
2	Stresses in simple structures	32	4	20	32	Str. 2
3	Design of roof trusses and plate girders	24	3	15	24	Str. 3
4	Design of railway bridge trusses	16	2	10	16	Str. 4
105	Principles of reinforced concrete	24	3	15	24	Str. 105
106	Concrete arches	16	2	10	16	Str. 106
111	Reinforced concrete design	16	2	10	16	Str. 111
1T	Surveying	8	1	5	8	T. E. 1
2T	Surveying	8	1	5	8	T. E. 2
3T	Land surveying	12	1½	7.50	12	T. E. 3
104T	Advanced surveying	12	1½	7.50	12	T. E. 104
108T	General surveying	16	2	10	16	T. E. 108
ENGINEERING—ELECTRICAL						
301	Mathematics Part I	26		15	20	
	Mathematics Part II	14		10	12	
310	Elementary magnetism and electricity	20		12	20	
311	Theory and operation of direct-current machinery	20		12	20	
312	Theory of alternating currents	20		12	20	
313	Alternating-current machinery	20		12	20	

†After completion of field work requirements.

Course Number	Title of Course	No. of Assignments	Credits	Tuition in Wisconsin	Tuition outside Wisconsin	Course No. of Residence Equivalent
314	Electric lamps and illumination	20		$12	$20	
316	Central electric stations	20		12	20	
317	Electric power transmission	24	3	15	24	
318	Telephony					
	Part A—Subscriber's apparatus	10		6	10	
319	Commercial electrical measuring instruments	24		15	24	
319A	Watthour meters	12		8	12	
322	Storage batteries	14		10	14	
323	Electric central station distribution systems	20		15	20	
324	Electric wiring	20		12	20	
327	Essentials of electricity	20		12	15	
328	Practical radiophone receiving (in preparation)					
329	Principles of Radio-telegraphy (temporarily withdrawn)					
330	Electrical engineering mathematics	30	3	20	30	
340	Fundamentals of electrical engineering	24	3	15	24	140
341	Principles of direct-current machines	32	4	20	32	141
343	Principles of alternating currents	32	4	20	32	143a
344	Principles of alternating current machinery	32	4	20	32	143b
346	Transient electrical phenomena	16	2	10	16	116
ENGINEERING—MECHANICAL						
201A	Shop arithmetic	20		10.85	20.85	
201B	Advanced shop mathematics	20		10	20	
206	Elements of mechanics	20		15	20	
207	Strength of materials	24		15	24	
208	Mechanism	12		10	15	
1	Machine design	32	4	20	32	M. D. 1
209	Elementary machine design	16		15	20	
214	Elementary steam engineering	16		10	20	
215	Heat and heat engines	16		10	16	
230	Elements of heat power engineering					
	Part A	32		20	32	
	Part B	32		20	32	
216	Steam boilers	24		15	24	
217	Steam engines	20		15	20	
219A	Gas and oil engines (temporarily withdrawn)					
219D	The gasoline automobile	24		15	24	
220	Automotive electric service engineering (complete course)	56		42.50	56	
220A	Automotive ignition	24		22.50	24	
220B	Automotive ignition and storage batteries	32		27.50	32	
220C	Automotive storage batteries	12		12.50	15	
220D	Automotive starting and lighting	24		22.50	25	
220E	Automotive starting, lighting, and storage batteries	30		25.00	30	
222	Refrigeration	20		15	20	
223	Heating and ventilating	24		15	25	
225	Compressed air	20		15	20	
235	Principles and practice of plumbing (temporarily withdrawn)					

Course Number	Title of Course	No. of Assignments	Credits	Tuition in Wisconsin	Tuition outside Wisconsin	Course No. of Residence Equivalent
241	Carpenters' and builders' arithmetic	16		$10	$15	
242	The properties and uses of wood	12		10	15	
242A	Kiln drying of lumber	10		10	15	
272	Cupola practice	7		5	10	
274	Foundry metallurgy	9		10	15	
	ENGLISH AND COMPARATIVE LITERATURE					
1	Elementary English	24		12	24	
	Part A	12		6	12	
	Part B	12		6	12	
61	English grammar	24		12	15	
2	Intermediate English composition	40		24	30	
	Part A	20		12	15	
	Part B	20		12	15	
3	High-school English classics	40		20	30	
64	Practical English review	10		5	10	
65	First-year high-school English	40		25	30	
66	Second-year high-school English	40		25	30	
67	Third-year high-school English	40		25	30	
5	English composition	24	3	15	24	1a
6	English composition	24	3	15	24	1b
8	Composition of technical papers	8 or 16	1 or 2	5 or 10	8 or 16	
7	Advanced composition	24	3	15	24	2
7A	Advanced composition	16	2	10	16	2
7B	Advanced composition	16	2	10	16	2
16	The short story	24	3	15	24	
16A	The short story	24	3	15	24	
51	General survey of English literature	24	3	15	24	30a
52	General survey of English literature	24	3	15	24	30b
33A	Introduction to English literature	16	2	10	16	33a
33B	Introduction to English literature	16	2	10	16	33b
31	General survey of American poetry	24	3	15	24	40 in part
17A	Shakespeare	24	3	15	24	137 (I)
17B	Shakespeare	24	3	15	24	137 (II)
18	The poetry of Tennyson	16	2	10	16	141
19	The poetry of Browning	16	2	10	16	145
25	The English novel in the nineteenth century	24	3	15	24	39 in part
40A	General survey of American literature	16	2	10	16	40
40B	General survey of American literature	16	2	10	16	40
4A	The teaching of composition	16	2	10	16	90
4B	The teaching of reading and literature	16	2	10	16	91
20A	The teaching of language in the intermediate and grammar grades and in the rural schools	16	2	10	16	94S
20B	The teaching of literature and reading in the elementary and rural schools	16	2	10	16	94S
35A	Modern drama	16	2	10	16	67
35B	Modern drama	16	2	10	16	67
113	Ancient classical drama in English	16 or 24	2 or 3	10 or 15	16 or 24	Comp.Lit.113
118	Classical mythology in literature	16	2	10	16	
68A	Modern novel	16	2	10	16	Comp.Lit.68
68B	Modern novel	16	2	10	16	Comp.Lit.68

Course Number	Title of Course	No. of Assignments	Credits	Tuition in Wisconsin	Tuition outside Wisconsin	Course No. of Residence Equivalent
63	Review of English grammar and composition	10		$ 5	$10	
81	Review of American literature	12		6	12	
91	Review of English literature	16		10	16	
	FRENCH					
1	Elementary French	32	4	20	32	1a
2	Elementary French	32	4	20	32	1b
3	Intermediate French	24	3	15	24	10a
4	Intermediate French	24	3	15	24	10b
6A	Elementary composition	16	2	10	16	15
6B	Intermediate composition	16	2	10	16	16 or 124
7A	Advanced composition	16	2	10	16	127
8	Modern French dramatists	16, 24, or 32	2, 3, or 4	10, 15, or 20	16, 24, or 32	123
9	Modern French novelists	16, 24, or 32	2, 3, or 4	10, 15, or 20	16, 24, or 32	136
10	General survey of French literature	24	3	15	24	131
21	Elementary survey	24	3	15	24	21a
22	Elementary survey	24	3	15	24	21b
	GEOLOGY AND GEOGRAPHY					
3	Physiography	24 or 40	3 or 5	15 or 25	24 or 40	{3 cr.—5 {5 cr.—4
4	General geology	24	3	15	24	1
16	Geography of Europe	24	3	15	24	101
	GERMAN					
1	Elementary German	32	4	20	32	1a
2	Elementary German	32	4	20	32	1b
3	Intermediate German	32	4	20	32	2a
4	Intermediate German	32	4	20	32	2b
6	Scientific German	16, 24, or 32	2, 3 or 4,	10, 15 or 20	16, 24, or 32	19
7	Commercial German	16 or 24	2 or 3	10 or 15	16 or 24	
8	Critical German prose	16, 24, or 32	2, 3, or 4	10, 15, or 20	16, 24, or 32	16
12	German grammar review and composition	16, 24, or 32	2, 3, or 4	10, 15, or 20	16, 24, or 32	10
19	Elementary Teachers' course	8		5	8	
20	Advanced teachers' course	16 or 32	2 or 4	10 or 20		90
25	Modern German dramatists	16, 24, or 32	2, 3, or 4	10, 15, or 20	16, 24, or 32	15
26	Modern German novelists	16, 24, or 32	2, 3, or 4	10, 15, or 20	16, 24, or 32	17
22	Schiller	16, 24, or 32	2, 3, or 4	10, 15, or 20	16, 24, or 32	20
21	Goethe	16, 24, or 32	2, 3, or 4	10, 15, or 20	16, 24, or 32	23
29	Goethe's Faust	24 or 48	3 or 6	15 or 30	24 or 48	130
30	History of German literature	48	6	30	48	131
	Part A	24	3	15	24	
	Part B	24	3	15	24	
31	History of the German language	16	2	10	16	150
	GREEK					
1	Elementary Greek	40	5	25	30	1
1A	Elementary Greek—Pharr's Homeric Greek	32	4	20	25	1
2	Xenophon's Anabasis	24	3	15	20	7A
2A	Xenophon's Anabasis	24	3	15	20	
3	Homer: The Iliad	24	3	15	20	7B
4	Reading course in Plato (in preparation)					
5	Elementary composition	16	2	10	16	

Course Number	Title of Course	No. of Assignments	Credits	Tuition in Wisconsin	Tuition outside Wisconsin	Course No. of Residence Equivalent
106	Aeschylus: The Agamemnon	16	2	$10	$16	106
6	Advanced prose composition	16 or 32	2 or 4	10 or 20	16 or 32	110
113	Ancient classical drama in English	16 or 24	2 or 3	10 or 15	16 or 24	Comp.Lit.113
118	Classical mythology in literature	16	2	10	16	
HEALTH						
7	The prospective mother	8		4	8	
8	The children in health	8		4	8	
9	The child in disease	8		4	8	
HEBREW						
1	Elementary Hebrew	32	4	20	32	1
HISTORY						
1A	United States history	20		10	15	
1B	United States history	20		10	15	
87	Modern European history	16		8	15	
88	Modern European history	16		8	15	
2	American history (1760-1830)	24	3	15	24	4a
3	American history (1830-1877)	24	3	15	24	4b
6	English history	24	3	15	24	5a
7	English history	24	3	15	24	5b
8	Modern European history	24	3	15	24	2 (I)
9	Modern European history	24	3	15	24	2 (II)
10	History of the nineteenth century (1815-1870)	24	3	15	24	139
20	Oriental and Greek history	24	3	15	24	10 (I)
21	Roman history	24	3	15	24	10 (II)
12	Medieval history	24	3	15	24	1 (I)
13	Medieval history (in preparation)					
HOME ECONOMICS						
1	Food problems in home making	8		5	8	
2	Planning the family dietary	8		4	8	
6	Prevention of disease and home care of the sick	8		4	8	
7	The prospective mother	8		4	8	
8	The child in health	8		4	8	
9	The child in disease	8		4	8	
15	Home furnishing and decoration	6		5	6	
16	Feeding children for health and growth	6		3	6	
21	Applied design†	24	3	15	24	2 in part
25	Cooking for rural schools	6		3	6	
26	Sewing	6		3	6	
INDUSTRIAL EDUCATION						
2	Teaching and supervision of industrial arts					
	Part A—Elementary school	16	2	10	16	190
	Part B—Junior high school	16	2	10	16	
3	Administration of industrial arts education	16	2	10	16	112
4A	Vocational education for the industries	16	2	10	16	152

†Correspondence required before registrations are accepted.

Course Number	Title of Course	No. of Assignments	Credits	Tuition in Wisconsin	Tuition outside Wisconsin	Course No. of Residence Equivalent
4B	Direction and supervision of vocational education	16	2	$10	$16	153
5A	Vocational guidance	16	2	10	16	113
5B	Vocational and educational counseling	16	2	10	16	116
	ITALIAN					
1	Elementary Italian	32	4	20	32	1a
2	Elementary Italian	32	4	20	32	1b
	Intermediate Italian (in preparation)					
	LATIN					
1	Elementary Latin	40	5	25	30	1
1A	Special course for pre-medical students (in preparation)					
2	Caesar	40	5	25	30	2
2A	Caesar	16	2	10	12.50	
3	Cicero: Orations	32	4	20	25	3
4	Virgil: Aeneid	40	5	25	30	4
4A	Virgil: Metre of the Aeneid	5		2.50	5	
5	Elementary composition	40	5	25	30	
7	Livy, books I and XXI	24	3	15	24	6B
10	Cicero: De Senectute	16	2	10	16	6A in part
12	Terence and Phormio	16	2	10	16	
14	Horace: Odes	24	3	15	24	7A in part
15	Horace: Satires and Epistles	24	3	15	24	
16	Catullus	16	2	10	16	7B in part
17	Ovid: Metamorphoses	16	2	10	16	8B
113	Ancient classical drama in English	16 or 24	2 or 3	10 or 15	16 or 24	Comp.Lit.113
118	Classical mythology in literature	16	2	10	16	
6	Advanced composition	16 or 32	2 or 4	10 or 20	16 or 32	107
20	Cicero: Letters and orations	24	3	15	24	108
	LIBRARY METHODS					
1	Library methods for teacher Librarians	32		16	32	
	MATHEMATICS					
1	Elementary algebra	40		20	30	
	Part A	20		10	15	
	Part B	20		10	15	
3	Plane geometry	40		20	30	
4	Solid geometry	20	3	15	20	
5	Plane trigonometry	32	4	20	32	
40	Advanced high school algebra	20		10	15	50
6	College algebra	32	4	20	32	1
7	Analytic geometry	32	4	20	32	
	Part A	24	3	15	24	3 or 4
	Part B	8	1	5	8	
8	Elementary calculus	48	6	30	48	5
	Part A	24	3	15	24	5a
	Part B	24	3	15	24	5b
51	Agricultural mathematics	32	4	20	32	71
6C	College algebra for commerce students	24	3	15	24	7a
55	Commercial arithmetic	10		5	10	
56	Commercial algebra	24	4	15	24	7b

Course Number	Title of Course	No. of Assignments	Credits	Tuition in Wisconsin	Tuition outside Wisconsin	Course No. of Residence Equivalent
57	Mathematics of life insurance	16	2	$10	$16	24
58	The theory of finite differences	8	1	5	8	
63	Theory of equations	24	3	15	24	125
64	Projective geometry	24	3	15	24	115
65	Advanced calculus	24	3	15	24	111
66	Differential equations	32	4	20	32	112
67	Theoretical mechanics	24	3	15	24	113
68	Higher algebra	24	3	15	24	263
40	Algebra for engineers	20		10	15	
41	Elementary analysis	40	5	25	40	51
42	Elementary analysis	40	5	25	40	52
43	Elementary analysis	40	5	25	40	
44	Differential calculus	32	4	20	32	54
45	Calculus	32	4	20	32	55
46	Calculus	32	4	20	32	
11	Practical arithmetic	8		4	8	
12	Mensuration and practical geometry	8		4	8	
9	Determinants and analytic geometry of three dimensions	24	3	15	24	6
13	Practical algebra	12		6	10	
14	Practical trigonometry	6		3	6	
15	Practical calculus	10		5	10	
31	Agricultural arithmetic	8		4	8	
62	Elementary algebra review	10		5	10	
MECHANICS						
1	Statics	20	3	15	20	1
2	Dynamics	20	2	10	20	2
3	Mechanics of materials	40	5	25	40	3
METEOROLOGY						
2	Climatology	40	5	25	40	106
MUSIC						
1	Theory of music: Introductory	8		5	8	
5A	Harmony: Elementary	24	3	15	24	1 (I)
5B	Harmony: Elementary	24	3	15	24	1 (II)
61A	Harmony: Advanced	24	3	15	24	11 (I)
61B	Harmony: Advanced	24	3	15	24	11 (II)
31	Public school music	16	2	10	16	41
75	History of music	32	4	20	32	31
97	Community music and drama	16	2	10	16	78
PHARMACY						
1	Pharmacy	48	6	30		
	Part A	24	3	15	24	1 (I)
	Part B	24	3	15	24	1 (II)
20A	Elementary prescription practice	16	2	10	16	20
20B	Prescription practice, solid preparations	16	2	10	16	20
121A	Prescription practice advanced	8	1	5	8	121
121B	Prescription practice advanced	8	1	5	8	121
30	Pharmaceutical technology	16	2	10	16	30
PHILOSOPHY AND PSYCHOLOGY						
1	General psychology	24	3	15	24	1
10	Ethics	24	3	15	24	41
12	Business ethics	16	2	10	16	43

Course Number	Title of Course	No. of Assignments	Credits	Tuition in Wisconsin	Tuition outside Wisconsin	Course No. of Residence Equivalent
11	Elementary logic	24	3	$15	$24	11
5	Applied logic (in preparation)					
	PHYSICS					
1	Elementary physics	40		20	30	
87	Physics review	12		6	12	
5	University physics	24	3	15	24	1a
6	University physics	24	3	15	24	1b
51E	Engineering physics	24	3	15	24	51
52E	Engineering physics	24	3	15	24	52
57	Optical phsycis	16	2	10	16	117
	POLITICAL SCIENCE					
4A	American diplomacy	16	2	10	16	123
	PULP AND PAPER MANUFACTURE					
245	Preparation and treatment of wood pulp	32		25	32	
245A	Manufacture of mechanical pulp	20		20	25	
245B	Manufacture of sulphite pulp	19		20	25	
245C	Manufacture of soda pulp	18		20	25	
245D	Manufacture of sulphite pulp	20		20	25	
246	Manufacture of paper (complete course)	32		25	32	
246A	Beating, refining, and paper machines	25		20	25	
246B	Paper machines	14		15	20	
	SCIENCE					
1A	General science	16		10	15	
1A	General science	16		10	15	
	SPANISH					
1	Elementary spanish	32	4	20	32	1a
2	Elementary spanish	32	4	20	32	1b
3	Intermediate spanish	24	3	15	24	10a
4	Intermediate spanish	24	3	15	24	10b
5	Advanced spanish	16 or 24	2 or 3	10 or 15	16 or 24	21 in part
6B	Intermediate composition (in preparation)					
21	Reading in spanish literature (in preparation)					
7	Don Quijote Part I	24	3	15	24	104 (I)
8	Don Quijote Part II	24	3	15	24	104 (II)
	TEACHERS' REVIEW COURSES					
63	Grammar and elementary composition	10		5	10	
81	American literature	12		6	12	
91	English literature	16		10	16	
62	Elementray algebra	10		5	10	
87	Physics	12		6	12	

SPECIAL COURSES	Tuition in Wisconsin	Tuition outside Wisconsin
BUSINESS		
Complete course in bookkeeping and accounting	$143.35	$167.35
Private and general accounting	69.20	78.00
Cost accounting	72.95	81.75
Public accounting	132.85	152.05
Business law	32.00	33.60
Retailing	46.74	53.94
CIVIL ENGINEERING		
Surveying	42.80	62.40
Structural steel drafting	44.50	65.50
Concrete construction superintendence	40.95	58.55
Reinforced concrete engineering	73.80	106.20
Structural steel engineering	95.80	153.80
Building design and construction	79.30	130.40
Structural engineering	128.20	206.10
ELECTRICAL ENGINEERING		
Meterman's course	$53.15 or $54.90	$85.95 or $87.70
Electrician's course	54.15 or 55.90	91.15 or 92.90
Electrical design	117.17	156.95
MECHANICAL ENGINEERING		
Shop and industrial mathematics	20.85	36.85
Mechanical drawing	39.52	50.52
Drafting	63.82	90.22
Machine design	111.77	154.97
Architectural drafting	44.85	55.45
Steam engineering	40.85	60.05
Steam power plants	94.85	142.85

EXTENSION CLASSES

While extension classes are organized in various communities of the state whenever it is feasible to do so and wherever a sufficient number of persons having a common interest in a given subject request such work, extensive class organization work has been developed only in the larger cities. Many of the courses given by class instruction involve university credit for properly qualified persons. Other courses are organized and given independent of all curricular requirements for degrees, but definitely planned for vocational or avocational purposes.

MILWAUKEE CENTER

GENERAL STATEMENT. The work of the Extension Division in Milwaukee consists of two general types: the Day School in which students take a full-time program of work, and the Evening School in which they carry a part-time schedule of classes in the evening or late afternoon.

LOCATION. The first unit of the new University Extension Building occupies a portion of the block between Sixth and Seventh streets, facing State street. it has fully equipped science laboratories, spacious classrooms, and a library.

DAY SCHOOL

CHARLES M. PURIN, DIRECTOR

The Day School offers complete programs of the work of the freshman and sophomore years in the following courses:

Letters and Science
Engineering
Pre-Commerce
Pre-Journalism
Pre-Law
Pre-Medical

With respect to their content, as well as with respect to general approach, the various courses offered in the Day School are parallel to the courses listed under the same designations in the University at Madison. They have been approved by the respective residence departments at Madison and carry full credit toward a university degree.

In addition to the above credit courses, the Day School offers a two-year course in Building Design and Construction, which gives specialized, intensive training in the design and construction of buildings. It is of partcular interest to men who wish to become building inspectors, construction superintendents, structural or architectural draftsmen, or structural designers. A certificate is given by the Extension Division upon the satisfactory completion of the course.

ADMISSION REQUIREMENTS. The requirements for matriculation in the Day School, except for the course in Building Design and Construction, are in all respects the same as in the University at Madison. The general requirements for admission to the course in Building Design and Construction are two years of

high-school work or its equivalent, including two semesters of high-school algebra. Experience in engineers' offices, drafting rooms, or on construction work will be given consideration toward entrance requirements. Students who are especially well prepared will be allowed to enter the second semester.

FEES. The fees in both Day and Evening Schools are computed on the basis of the number of credit hours carried, the rate being $5.00 per credit hour. This does not cover the cost of textbooks or laboratory charges.

EVENING SCHOOL

REXFORD SCHNAITTER, DIRECTOR

The courses offered by the Evening School may be classified under four distinct heads:

University Credit Courses
Business Certificate Courses
Engineering Certificate Courses
Liberal Education Certificate Courses

The University Credit Courses are open to those who wish to obtain credits toward a degree during their spare time. To obtain these credits students must have satisfied the entrance requirements of the University and must have the prerequisites for the course taken.

In general, the Business and Engineering Certificate Courses do not offer credits leading to a degree although some of them carry university credit. On the completion of a three-year evening school course of study, a certificate is given by the Extension Division. These certificates are offered in the following fields of commerce and engineering: General Business, Accounting, Marketing and Advertising, Finance and Credit, Industrial Management, Secretarial Work, Building Design, Machine Design.

The underlying purpose of the series of courses in Liberal Education is to given an opportunity for adults to acquire an education which will create a feeling for those things which make life richer and more significant. A certificate is given on the completion of ten courses from this group.

POSTGRADUATE MEDICAL EXTENSION WORK

In cooperation with the Medical School of the University, the Extension Division offers the following services to members of the medical and associated professions of Wisconsin:

MEDICAL LIBRARY SERVICE. Books, periodicals, reprints, abstracts, and bibliographies on medical subjects are supplied upon request, free of cost except for postage both ways on material loaned.

EXTRA-MURAL LECTURES. Addresses by members of the university medical faculty and associated preceptors are arranged for meetings of medical societies.

LECTURE-CLINICAL COURSES. Competent leadership is provided for practitioner groups organized at county or district centers for the clinical and theoretical study of modern developments in treatment.

CLINICAL CASE REPORTS. This service will be extended to physicians desiring information on cases of clinical importance studied at the University and other medical and surgical centers.

SHORT COURSES. From time to time university facilities will be made available and short courses organized in particular subjects, open to the medical and associated professions of the state.

DEPARTMENT OF DEBATING AND PUBLIC DISCUSSION

ALMERE L. SCOTT, DIRECTOR

PURPOSE

For the assistance and instruction of citizens who are interested in important social, educational, and political problems, the Department of Debating and Public Discussion fosters forum activities for deliberative study and discussion.

Inasmuch as the intelligent and active interest in and study of these questions among all classes of people tends essentially to the making of good citizens, the department issues suggestive and guiding bulletins, collects and maintains a loan library available through parcel post to residents of the state, and keeps in close touch through correspondence and personal interviews with community centers, civic clubs, farmers' clubs, women's and business men's organizations, parent-teacher associations, school and library boards, and literary societies of educational institutions.

GUIDED CLUB STUDIES

To meet a demand for group directors in serious study, the department offers Guided Club Studies. A registration fee of four dollars within Wisconsin and five dollars outside the state covers the cost of four sets of any of the studies. This fee also covers the privilege of guidance and directed study. For the accommodation of groups that wish to supply personal copies to members, additional sets are supplied at the cost of production.

Among the subjects on which studies are now available are Parental Guidance and Education; Recent History of the United States; Browning; Contemporary Drama; Contemporary Novel; Novel of the Nineteenth Century; Shakespeare; American Diplomacy; Pan-Americanism; United States and World Politics.

BULLETINS

Several compact and useful guides have been issued as aids to debaters, including: Debating Societies—Organization and Procedure; Principles of Effective Debating; How to Judge a Debate; and Triangular Debating Leagues. As special aids to organizations, bulletins on farmers' clubs, civic clubs, and parent-teacher associations have been published. The Triangular Discussion League bulletin suggests a plan to encourage the study and the intelligent discussion of great current problems not suited to a two-sided contest, but rather suited to a general discussion which brings out the many sides and salient facts.

FORMULATED QUESTIONS. The bulletins which formulate subjects for debate, giving brief historical facts and arguments, concluding with a selected, classified bibliography, serve as an impetus to careful study and have proved helpful and time-saving. Such questions as the following have been thus presented. Closed vs. Open Shop; Commission Plan of City Government; Initiative and Referendum; Municipal Home Rule; The Recall; and Unemployment Insurance. These publications are sent free upon request to Wisconsin citizens, and, upon receipt of list price, outside of the state.

LOAN OF MATERIAL

The loan package libraries include selected newspaper and periodical clippings, office bound sections of periodicals, government documents, publications of organizations, copies of addresses, reprints, typewritten excerpts, books—in fact all forms of carefully selected available material dealing in a fair and balanced manner with the different phases of worthwhile subjects. This service is restricted to residents of Wisconsin. In order that material may be selected judiciously, it is essential that the request for a package library state definitely the purpose for which the information is desired, and the latest date upon which it would prove of value. The same material cannot be used to the best advantage by a rural school pupil and a member of a woman's club.

The department aims to cooperate in every possible way with local librarians. Requests from communities which have public libraries should state what is available locally and thus avoid unnecessary duplication and expense.

DEPARTMENT OF PUBLIC SERVICE

PURPOSE. The Department of Public Service is composed of bureaus which deal with the informal or non-consecutive type of service as distinguished from the more formal and systematic type of instruction. These bureaus are concerned with questions and problems of general interest and public welfare.

The department serves as a clearing house through which all reasonable inquiries of the people of the state on matters of collective import may receive consideration.

ORGANIZATION. The Department of Public Service operates through the following bureaus, each in charge of a specialist: Bureau of Lectures and Short Courses, Bureau of Visual Instruction, Bureau of Municipal Information, Bureau of Economics and Sociology, Bureau of Dramatic Activities, and Bureau of Business Information.

METHOD. The department seeks to serve the individual inquirer, the group, and the community in establishing contact with specific lines of information, through the accumulation of data and the presentation of such data in non-technical form from such diverse sources as the reports of government bureaus, commissions, and experimental stations; the proceedings of scientific societies; publications of an economic, a social, a political, or an ethical character.

PUBLICATIONS. Bureaus of the Department of Public Service issue from time to time bulletins on subjects of timely interest. These are free to residents of the state of Wisconsin.

EXHIBITS. In addition to the specific lines of activity included within the fields of the various bureaus, the Department of Public Service has found the use of traveling exhibits and demonstrations upon such subjects as child welfare, health, recreation, and community-center work of very great value.

SOCIAL SERVICE INSTITUTES. For several years the University Extension Division has offered to the communities of the state various types of institutes designed to assist in the solution of local problems. The Extension Division conducts, in cooperation with county superintendents, institutes for teachers which are designed to train them for social leadership. Instruction in song leadership, dramatics, group games, folk dancing, and other forms of social activity has been given, through which teachers have been qualified for more efficient service in connection with parent-teacher associations and other community organizations.

BUREAU OF LECTURES AND SHORT COURSES

ROBERT B. DUNCAN, CHIEF

PURPOSE. For instruction and platform inspiration in communities where the lyceum need exists, the Bureau of Lectures and Short Courses organizes and supplies local programs.

SCOPE OF SERVICE. The University offers through this department: (1) single lectures or series of such lectures; (2) lecture, concert, recital, or reading programs,or a miscellaneous combination of these. Such programs are offered with the definite purpose of developing better taste and higher standards with reference to public entertainments, and an appreciation of art, music, and literature by presenting examples.

LECTURES. The field covered by the lecture course is a wide one, including topics in education, history, geography and travel, political economy, political science, sociology, business administration, the history and literature of ancient and modern peoples, including Greek and Roman, Scandinavian, German, Semitic, French, and English life and letters, the physical sciences, engineering branches, forestry, and physical training. Bulletins containing detailed information will be sent upon request.

TEACHERS' CONVENTIONS AND INSTITUTES. The Extension Division will provide speakers for these meetings as far as the regular work on the University will permit.

COMMENCEMENT ADDRESSES. This department arranges for commencement addresses to be delivered by members of the university staff and others available in this service. The charges will be arranged in each case, for the speaker desired, through the Extension Division.

SHORT COURSES AND INSTITUTES. A short course or institute is an intensive training program or course ranging in duration from one day to two weeks. The program consists of a specialized series of lectures, discussions, and demonstrations directed by leading speakers and teachers secured from the faculty of the University and from the state and country at large.

SPECIAL OCCASION LECTURES. This department furnishes speakers for special occasions, such as memorial and dedication exercises, convocation addresses in schools, and for commercial organizations, and civic and women's clubs.

EXPENSES. The local expenses include hall rent and advertising in the local papers, and the lantern and operator, where the lecture is illustrated. Full information concerning lecturers' fees will be supplied on application.

BUREAU OF VISUAL INSTRUCTION

WILLIAM H. DUDLEY, CHIEF

For several years the Extension Division has lent educational lantern slides, motion picture films, mounted photographs, charts, anatomical casts, and other illustrative material to schools, churches, clubs, and other organizations. This service is organized into the Bureau of Visual Instruction, which is making a thorough and systematic study of materials that may be used in illustrative teaching, or in instruction through the medium of the eye, and placing such materials within easy and constant reach of all schools and other civic organizations of the state. The bureau has a carefully selected collection of approximately 4,500 reels of film and 175,000 slides to be lent to schools for use in class work and for community gatherings. During the year ending July, 1927, regular service was extended to about 900 organizations.

BUREAU OF MUNICIPAL INFORMATION

FORD H. MCGREGOR, CHIEF

To meet the need for information in the important field of municipal government, information which is difficult to obtain and hard to keep up to date, a Bureau of Municipal Information is maintained for the service of the cities and villages of the state. The Bureau collects and furnishes technical information on all subjects of municipal organization and administration, public works, public utilities and public service rates, commission and city manager government, home rule, civic organizations, and also gives information on municipal employment, paving, parks and playgrounds, housing, dust prevention, smoke abatement, city planning, civic centers, art commissions, care of city trees, schools, accounting methods, comparative statistics, and other subjects of municipal interest. It collects and maintains a file of charters, ordinances, and official publications of the principal cities of the United States. It has correspondents in most of the American cities and in this way is able to furnish information as to which cities have passed an ordinance of any type, for instance, a milk ordinance, or a wheel tax ordinance; to present data as to the efficiency of different types of ordinances; and, if desired, to lend copies of particular enactments. It can tell how boards of public works are organized in various cities, how school boards are constituted, or how street sprinkling or street repairs are paid for. In short, it aims to be a clearing house for municipal experiments and experiences.

BUREAU OF ECONOMICS AND SOCIOLOGY

R. J. COLBERT, CHIEF

As university studies in the social sciences have grown in interest and importance, there has developed an increasing demand for information, counsel, and service in the practical application of economic and sociological principles in the field. The Bureau of Economics and Sociology was instituted in 1927 to afford a channel through which to perform such services systematically and effectively. It is a cooperative undertaking of the Department of Economics and the Extension Division and is intended to promote a better understanding of the social and economic resources of Wisconsin and to make readily available to the people of the state the University's knowledge, experience, and researches in the handling of social and economic problems.

The functions of the Bureau, as at present being developed, are: 1. To provide individuals, groups, and communities of the state with counsel, information, and services in its field, in cooperation with other organized agencies, public and private. Such counsel and services are extended only when there is a definite request and when those making the request undertake active cooperation and assistance. 2. To collect, organize, and publish data relative to the social and economic resources of the state, in cooperation with the Department of Economics and state governmental departments, in a form that shall be of maximum interest and service.

BUREAU OF DRAMATIC ACTIVITIES

ETHEL THEODORA ROCKWELL, CHIEF

In response to a growing demand for assistance in the selection and staging of plays and pageant-dramas in the schools, churches, and communities of the state, the Bureau of Dramatic Activities was organized in 1927 as a cooperative agency of the Extension Division and the Department of Speech. In its functions the drama work of the former Bureau of Community Drama and Music of the Extension Division is resumed and expanded.

Correspondence on all questions relating to the arrangement and presentation of local-talent productions is invited. Specifically, the Bureau is prepared to render to schools, churches, clubs, and communities of the state, upon request, the following services:

PLAY DIRECTING. So far as time permits, a representative of the Bureau will visit communities in the state to direct the actual staging of plays in all necessary details.

PAGEANT WRITING AND DIRECTING. Advice and local assistance will be rendered to communities contemplating the presentation of commemorative, historical, patriotic, or civic pageants.

ASSISTANCE IN CONDUCTING OR ORGANIZING COMMUNITY CHAUTAUQUAS OR PROGRAMS FOR FAIRS.

LENDING DRAMATIC MATERIAL. The Bureau has built up an extensive library of plays—long and short, modern and classical—suitable for children, high-school

students, college students, and adult groups. Upon request a selection of books will be sent free of charge for examination.

ORIGINAL PLAY-WRITING. The Bureau desires to encourage the writing of original plays and will assist in conducting tournaments in play-writing in the schools and communities of the state.

BUREAU OF BUSINESS INFORMATION

H. ROWLAND ENGLISH, CHIEF

PURPOSE. To serve as an impartial agency through which the business men of Wisconsin may obtain accurate information on subjects related to their work is the object of this Bureau. Facts and figures are collected from many sources.

ANSWERS TO INQUIRIES. In response to inquiries the Bureau supplies available data on topics in the fields of accounting and statistics, retail store management, advertising and selling, business organization and management, federal and state income tax regulations, real estate, foremanship training, business correspondence, credits and collections, and business finance. When a request for information cannot be answered completely by letter, published source material is loaned to the inquirer.

PUBLICATIONS. "The Wisconsin Retail Bulletin," which contains business items, suggestions, and statistics in condensed form and special articles on matters of current interest to retailers, is published monthly. Upon request it is sent, without charge, to proprietors of retail stores within the state.

Lists of recommended books are being prepared and distributed, covering the various fields of business. From time to time other publications containing information of interest to Wisconsin business men will be issued.

FIELD ORGANIZATION

CHESTER ALLEN, DIRECTOR

For convenience and efficiency of administration the state is divided into districts in which field representatives are permanently located to organize and to make known the many opportunities available to each individual and community through the Extension Division.

Persons living anywhere in the state are thus able to have a personal conference in their own city with a university representative and are able to secure conveniently complete information regarding all the services of the Extension Division, such as, correspondence-study courses; local classes; package libraries, including medical; lectures and short courses; lantern slides and motion picture films; municipal information; dramatic activities; and information on problems of business, economics, and sociology.

These field representatives are ready at all times to give assistance in organizing these activities for the use of the local community and may be reached promptly through the Field Organization office at Madison. Representatives are now located at Appleton, Eau Claire, La Crosse, Madison, Milwaukee, Oshkosh, and Superior.

PART VIII
INDEPENDENT DIVISIONS OF INSTRUCTION

SUMMER SESSION
PHYSICAL EDUCATION
MILITARY SCIENCE

SUMMER SESSION

SCOTT H. GOODNIGHT, DIRECTOR

The Summer Session, instituted thirty years ago as a period of study and review for teachers, has become an integral part of the university year, with nearly all departments represented. The courses range from (a few) preparatory courses for students seeking to meet entrance requirements, through all grades of undergraduate work, to the most advanced graduate instruction and investigation. The work for teachers and for graduate students receives major emphasis, but very many undergraduate students of this and other colleges now avail themselves of the opportunity thus presented to shorten the period of their college courses or to make up deficiencies in either preparation or course requirements. They have the advantage in summer of being free from many of the distractions (intercollegiate games, fraternity rushing, etc.) which obtain during the semesters. At the same time there is no lack of social life and wholesome recreation during the summer.

Courses, both academic and professional, are offered for graduates and for undergraduates in letters and science, engineering, medicine, law, and agriculture, for teachers in colleges, agricultural schools, high schools, and technical schools, and for special students, as lawyers, doctors, chemists, writers, social workers, farmers, and practicing engineers. Virtually all the courses carry full academic credit. All the library, laboratory, and other facilities of the University are available during the summer, and the opportunities for thesis and advanced investigative work are particularly favorable at this time. A special bulletin describing the various courses is issued annually, copies of which may be obtained upon application to the Director.

UNDERGRADUATES. The admission requirements for a student who desires credit toward a degree at Wisconsin are the same for the summer session as for the other sessions at the University; these are described in detail beginning with page 40. A student who desires to graduate from the University and who comes with advanced standing from a normal school or from another college or university, should submit a complete official record of his preparatory work and college credits to the advanced standing committee of the college he expects to enter.

A student who wishes to secure credit toward graduation at some other institution, but who is not a candidate for a degree at Wisconsin, need not comply with the entrance requirements but may register in any course the work of

which, in the estimation of the instructor in charge, he is able to carry to advantage. Upon satisfactory completion of such work, application may be made to the Registrar for a transcript of credits stating the number of hours of work carried and the grades earned. Credit toward graduation at this University, however, will be given only after complete matriculation by one of the regular methods.

GRADUATES. A general statement of work in the Graduate School may be found on page 324 of this catalog. The Graduate School also publishes a special bulletin containing detailed information.

The University has instituted special nine-week summer session courses for graduate students only. In 1928, over 50 courses of strictly graduate grade were offered, enabling graduate students to earn one-half semester of residence credit toward a higher degree. To be eligible to carry these courses, a student must be enrolled in the graduate school and must have had his candidacy for a higher degree approved. No residence credit is allowed unless the full nine-week courses are completed. No auditors are permitted in the nine-week courses. It is probable that in future summers the number and range of the nine-week courses will be increased.

The inauguration of nine-week courses does not affect the privilege of doing graduate work in the six-week session, except that the number of graduate courses offered in the latter is somewhat decreased.

SPECIAL STUDENTS AND AUDITORS. Adults who desire to pursue college work for their profit or pleasure, but without reference to a degree, and those who desire merely to visit lecture courses in subjects which are of special interest to them, without being held responsible for the work expected of students working for credit, may register in the summer session as auditors, taking such courses as may be open to them, as indicated in the Summer Session Bulletin. Auditors pay the same fee as other students and enjoy the same privileges, except that of being included in recitation and theme work.

CREDITS. The maximum number of credits which may be earned toward a degree at Wisconsin is six for the six-week session, eight for the ten-week session of the Law School, and one for each week of pre- or post-session or special work for which the student is properly registered. Credit earned in the summer session may not be counted toward the minimum of thirty credits required to be earned in residence for a degree, but if a total of forty-five credits is earned in residence all or any part of these may be earned in the summer session.

SUMMER SESSION FEES, INCLUDING TUITION, INCIDENTAL, AND INFIRMARY FEES

The same fees are charged to both residents and non-residents of Wisconsin.

Regular summer session—six weeks	$24.50
Graduate School, 6-week session	33.50
Graduate School, 9-week session	48.50
Law School—ten weeks	38.50
Special Athletic Coaching Course—three weeks	24.50
Geology field trip—four weeks	14.00
College of Engineering	
Chemical manufacture—five weeks	21.00
Mechanical engineering—two weeks	7.00
Railway location and construction—two weeks	7.00
Topographic engineering camp—four weeks	14.00
Post summer session work, per week	3.50

(An additional fee of $3.50 is charged for the first week if the student has not been enrolled in the summer session proper.)

Refunds for the six-week session are authorized as follows: if the student withdraws within five days after the opening of the session, 80%; within ten days, 60%; within fifteen days, 40%; within twenty days, 20%; after twenty days, no refund.

OTHER EXPENSE. In courses involving laboratory work, additional fees are charged; these correspond closely to the laboratory fees charged for the same courses taken during the academic year. Other expenses for the six-week session may be estimated from the following: room-rent, $15-$30; board, $40-$55; books and classroom materials, $8-$15; incidental expenses, including laundry, $15-$60; total, not including fees or traveling expenses, $78-$160.

PHYSICAL EDUCATION

The Department of Physical Education has jurisdiction over all athletic, aquatic, and gymnastic activities. Its aims are (1) to promote the physical development of the students by (a) contributing to their health, organic vigor, and good physical habits, (b) providing an incentive and an opportunity for every student to secure at least one hour's physical activity daily as a balance to the sedentary demands of university life, and (c) conserving the social and moral values of games and sports and securing to every student the fullest opportunity for their practice; (2) to train physical educators and play leaders; and (3) to promote a more effective organization of play and administration of physical education throughout the state of Wisconsin.

EQUIPMENT

The Men's Gymnasium is 200 feet in length by 100 feet in width, with an annex 225 by 84 feet. On the ground floor are the offices, locker rooms, bathroom, swimming pool and trophy room. On the second floor are the offices of the Military Department and an unobstructed hall 165 by 98 feet used for the purpose of military drill and games. On the third floor are the visitors' gallery of the drill hall, and the military club room. The fourth floor contains the gymnastic hall, 165 by 65 feet. The equipment includes the usual apparatus and four handball courts and wrestling room. The annex contains a 12-lap cinder track, a baseball cage with floor of earth, and the rowing room.

The Women's Gymnasium occupies five floors of Lathrop Hall. The main exercising room is two stories high with floor 118 by 60 feet, visitors' gallery, stage, and running track. The concert room, 72 by 42 feet, is used for smaller classes. An auxiliary class and game room, 72 by 42 feet, and a lecture room are on the fifth floor. The equipment includes a complete outfit of developing appliances and the best modern types of light and heavy apparatus. Two floors of one wing contain dressing rooms, showers, and lockers designed for the accommodation of 1,000 women. In the basement are four regulation bowling alleys; the swimming pool, 60 by 26 feet, well lighted and ventilated and supplied with filtered water; dressing rooms, showers, and hair-drying apparatus.

The outdoor facilities include the university athletic field at Camp Randall, 23 acres; the women's field at Memorial Park, 3 acres; the men's playground on the lower campus, 2 acres; the new intramural field, consisting of approximately 15 acres of land, near the men's dormitories, laid out in football gridirons, baseball diamonds, track and field area, and sixteen tennis courts. In all there are about 35 tennis courts for use of the students. The university roads, drives, and paths afford excellent courses for cross country running. The university boathouses next to the men's gymnasium on the shore of Lake Mendota contain ten 8-oared shells, two 8-oared barges, two 4-oared shells, two 4-oared barges, two 4-oared gigs, and four "war" canoes, and storage room for canoes belonging to students.

The university athletic department maintains two modern, high-speed launches,

of 100 and 125 horse-power, supplied with complete life-saving equipment and kept in constant commission for instant service throughout the boating season.

For outdoor sports in winter there are opportunities for skating and hockey on the rinks maintained by the department on the lower campus and at Camp Randall. There is also a ski-jump and a toboggan slide for the use of students along the university drive, near the men's dormitories.

REQUIREMENTS

Physical training, at the rate of three periods a week throughout the freshman and sophomore years, is required of all women. Freshman and sophomore men are required to take three hours a week of either physical education or military science. A sports program for men was inaugurated at the beginning of the academic year 1927-28, whereby freshmen and sophomores may satisfy the requirement in physical education through intra-mural participation.

Credit for the satisfactory completion of the required work in physical education is determined on the basis of attendance, effort, the attainment of certain standards of organic development, motor proficiency, and knowledge of the principles and practice of efficient living.

All students taking physical education, both men and women, are required to be able to swim a distance of fifty yards by the end of the sophomore year.

Election of specialized sports and exercises (course 2) may be made by students as soon as they have attained the minimum standard of vigor, development, and skill. This will usually occur at the end of the first year. Freshmen who have attained the required standard at the time of entrance may elect their exercises under course 2.

For the purpose of this department the college year is divided into three seasons Fall—October and November; Winter—December, January, February, and March; Spring—April, May, and June. All activities are conducted out of doors as far as the weather will permit. Regular indoor exercise is confined to the winter months.

The regulation suit for men consists of white sleeveless shirt, running pants, supporters, and rubber soled shoes. For outdoor sports, students require heavy shoes, khaki trousers, and a sweat shirt.

For women a uniform suit is required and should be purchased in the fall in Madison; in 1927 the cost was about $6.00.

The gymnasium fee is $2.00 each semester, required of each student taking either required, optional, or elective work in the department.

EXEMPTIONS AND DEFERMENTS

All applications for deferment of or exemption from physical training for men must be made at the office of the Director of the Men's Gymnasium; women will apply to the Director of the Women's Gymnasium in Lathrop Hall. In no case will permission be granted to defer work for more than one semester at a time and no deferred work will be allowed to extend into the senior year.

I. Exemptions provided for by the rules of the University:

1. Students who are physically unfit, as certified by the Department of Student Health.
2. Normal-school graduates and those who enter the University with college credits sufficient to give them junior standing.

II. Exemptions under the policy of the Department:

1. Students from institutions of college or university rank who have taken accredited courses in physical education, providing proper credentials are presented.
2. Adult special students over 23 years of age who are not candidates for degrees.
3. Other cases, in the discretion of the Director.

III. Deferments required to be made up in the Department:

1. Self-supporting students where the hours of labor actually conflict with the hours of required work.
2. All cases not falling under any of those previously mentioned.

MEDICAL AND PHYSICAL EXAMINATIONS

The organic condition, stage of physical development, and degree of motor efficiency attained by each entering freshman and sophomore are determined at the opening of the college year by a series of examinations and tests made by the Department of Student Health and the Department of Physical Education.

An endeavor is made to determine the student's exact organic condition with a view to outlining for him a proper regimen of exercise, diet, rest and work. Students are classified on an organic scale and are permitted to engage only in sports and games for which they are physically fitted.

No student is permitted to participate in competitive games either of intercollegiate or intramural grade unless physically fit therefore, as determined by the examination.

All candidates for football and other teams must be examined by and secure the permit of the Department of Student Health as well as that of the Department of Physical Education before reporting for practice with their squads.

ENROLLMENT AND ASSIGNMENT

Women taking either required or elective work in physical education are assigned to classes on the Monday and Tuesday following the beginning of instruction in the University, and regular class work commences on the ensuing Wednesday.

All male freshmen and sophomores are given opportunity to make a selection between physical education and military science when they prepare their programs of study, and if physical education is chosen they are then required to report to the men's gymnasium office for enrollment and assignment to classes. Class work commences on the first Thursday of the regular university year.

TOURNAMENTS AND CONTESTS

Interclass and intercollege tournaments and contests are conducted in all games and sports under the supervision and control of the department. In the conduct of the men's activities the department has the co-operation of the Intramural Athletic Committee of the Student Athletic Board, consisting of six students representing Agriculture, Commerce, Engineering, Law, Letters and Science, and Medicine. The Women's Athletic Association co-operates with the department in the conduct of women's activities. These two student organizations determine the rating of the various sports and the awards for achievement in the contests and tournaments.

The University is a member of the Western Intercollegiate Conference Athletic Association and maintains representative teams in all intercollegiate sports. No student may be a member of an intercollegiate team unless (1) he is eligible according to the requirements of the Student Life and Interests Committee, (2) has been a year in the University, (3) has no unsatisfied failures, conditions, or incompletes, (4) has received a weighted average of at least 77 in the work of the previous semester, and (5) is carrying full work.

Intramural and intercollegiate sports are under the government of the Athletic Council, a subcommittee of the Faculty Committee on Student Life and Interests.

VOLUNTARY EXERCISE

All students are urged to secure at least one hour of recreative exercise each day and the facilities of the entire department are open for this purpose whenever not required for prescribed activities. Advice and direction may be secured by any student at any time. All advanced practice courses are open to any student fitted to take them.

COURSES OF INSTRUCTION

1. Development Exercises. Three hours weekly. Prescribed for freshmen and such sophomores as have not attained the requisite development. A study of the laws of personal and general hygiene is included in this course.

2. Advanced Exercises. Systematic courses in athletics. Prescribed for sophomores who have completed course 1 and open to all students who have attained the required degree of organic power and bodily skill. The men's activities in these courses are grouped as follows:

Fall	Winter	Spring
1. Archery		1. Archery
2. Baseball	1. Basketball	2. Baseball
3. Cross Country running	2. Boxing	3. Canoeing
4. Field hockey	3. Dancing	4. Field Hockey
5. Football	4. Fencing	5. Football
6. Rowing	5. Gymnastics	6. Rowing
7. Soccer	6. Handball	7. Soccer
8. Swimming	7. Ice Hockey	8. Swimming
9. Tennis	8. Rowing	9. Tennis
10. Track and field	9. Skating*	10. Track and field
	10. Swimming	
	11. Track and field	
	12. Tumbling	
	13. Water Polo	
	14. Wrestling	

*Part season only and according to weather. May be elected only in connection with some other sport.

3. Special Corrective Exercises. Required of all freshmen and sophomores unfitted to take courses 1 and 2.

The work in courses 1, 2, and 3, is differentiated for the men and women according to their respective natures and needs.

PROFESSIONAL STUDENTS

For courses for professional students which are given under the jurisdiction of the School of Education, see page 103.

MILITARY SCIENCE

PROFESSOR, LIEUTENANT COLONEL BARNES (Commandant)
ASSISTANT PROFESSORS, CAPTAINS BERRY, BORDEN, CHERRY, HULL, LEARNARD, MILLER, WEILAND; LIEUTENANTS BURNETT, CAROTHERS, HAMILTON
ASSISTANT TO COMMANDANT, SERGEANT ATKINS*

OBJECT AND SCOPE OF INSTRUCTION

The object of the military instruction is to train students for the performance of the duties of commissioned officers, should their services be needed by the country. The instruction is necessary in order to prepare them to perform these duties intelligently and enables them to be thus partly trained with the least practicable interference with their civil careers. It is hoped that by this system there may be available, in time of national emergency, an increased number of educated men trained to a certain extent in military science and tactics, to officer and intelligently lead the units of the large armies upon which the safety of the country will depend.

The courses in military training prepare for leadership in civil life as well as in the military service, for the same qualities are demanded in both. The tactful handling of men, the ability to co-operate with others, the organization of effort and resources are common factors of success in either military or civil life. Military training develops efficiency, patriotism, leadership and those qualities of manliness so essential in all walks of life.

The courses provide the ground work upon which to build military character and proficiency, and are designed to develop the greatest possible initiative on the part of the student. They also provide that the cadet officers and non-commissioned officers shall participate in the administration and training and share in the responsibilities thereof.

REQUIREMENT

Freshman and sophomore men are required to take three hours a week of either military science or physical education. If military science is elected, it must be pursued continuously for two years if the student expects to be eligible for admission to the advanced work in this department.

Students entering from schools where they have had the basic R. O. T. C. course may take the advanced course in the freshman year in fulfillment of the general option in military science, but without academic credit. In the sophomore year the advanced course may be elected for academic credit as well as in fulfillment of the option.

RESERVE OFFICERS' TRAINING CORPS

The Department of Military Science comprises Infantry, Field Artillery, and Signal Corps units of the Reserve Officers' Training Corps, organized under

*Deceased August 15, 1928.

the National Defense Act of June 3, 1916. This act provides for a progressive course of military training consisting of two years of basic and two years of advanced work. Three hours a week are required in the basic course and five in the advanced course.

Upon completion of the sophomore year of the basic course, those students who are selected for further military training by the President of the University and the Commandant may elect to take the work of the advanced course. This necessitates a written agreement on the part of the student that he will continue the work, taking it five hours a week for two years, and attend one summer camp of not more than six weeks' duration.

Upon the execution of this agreement, the War Department furnishes to members of the advanced course, in addition to uniforms and equipment, commutation of subsistence at the rate of about $10 a month for twenty-one months. Commutation of subsistence will not be paid to a student who, after completing the basic course and while still a student at the University, permits one or more semesters to elapse before enrolling and executing the contract in the advanced course. However, if the student completes the basic course and then withdraws from the University, he may upon his return be selected for further training. If he then continues in the advanced course for the remainder of his college course, he will be entitled to receive commutation of subsistence.

Students are paid at the rate of $21 a month while attending advanced course camps. All transportation to and from the camp and the expenses at camp are paid by the government.

Upon satisfactory completion of the advanced course, together with such camp training as may be prescribed, graduates who are twenty-one years of age are eligible for appointment by the President of the United States as members of the Officers' Reserve Corps, United States Army.

RATING AS DISTINGUISHED COLLEGE

Each year a War Department board inspects the institutions of the country maintaining Reserve Officers' Training Corps units of the Senior Division with a view to their designation as Distinguished Colleges. This designation is based upon a rating which considers many factors, but the proficiency in military training and practical knowledge of the students enrolled in the Department of Military Science is by far the largest single determining factor in securing this most desired rating. The University of Wisconsin has been successful in securing this honor for the years, 1915, 1916, 1920, 1921, 1922, and 1923.

This rating gives the right to recommend each year two Honor Graduates for appointment as Second Lieutenants in the United States Army.

UNIFORMS

Uniforms are furnished, free of charge, by the Government to all students enrolled in military science. All students entering the University for the first time and who elect military training are required to deposit $5.00 (which will be returned to the student on completion of the basic course), and to sign an agreement to reimburse the University in case of loss to the University through failure to complete the course, or loss or damage to the uniform.

PERSONNEL AND EQUIPMENT

The instruction in the Department of Military Science is conducted by a corps of eight Regular Army officers selected by the War Department from the Infantry, Field Artillery, and Signal Corps and, in addition, selected staff and technical non-commissioned officers of the various branches, highly trained in their profession. A considerable amount of equipment has been provided by the Federal Government in order that instruction may be both complete and practical.

ORGANIZATION OF THE CORPS

The cadet corps is organized into units as follows: one regiment of infantry; one regiment of field artillery, less one battalion; one signal corps battalion; one band.

CADET OFFICERS

Cadet officers are appointed by the President of the University on the recommendation of the Commandant. Field and staff officers and captains are appointed from the senior class (second-year advanced course). First and second lieutenants are appointed from the junior class (first-year advanced course). Non-commissioned officers are appointed from the sophomore class (second-year basic course).

AWARDS

A prize of $50.00 is awarded to the cadet colonels and cadet lieutenant-colonels, and $25.00 to each cadet major. The field and staff officers who have served four years with credit are presented with sabers and belts. Various prizes are given for military proficiency.

During the month of May the freshmen engage in two competitions, company and individual. The captain of the winning company receives a gold medal; the lieutenants, silver medals; and the non-commissioned officers and privates, bronze medals. A gold medal is awarded to the winner of the individual competition; second and third places are awarded silver and bronze medals respectively. A gold medal, a silver medal, and a bronze medal are awarded to the three best rifle shots in competition on the university range. Commissions and prizes offered by the department are presented by the President of the University at the President's Review which is held at the end of the academic year.

SPECIAL UNITS

The President's Guard is an organization composed of the most military and best drilled cadets in the corps selected after competition in which the entire corps participates. To be selected as a member of the President's Guard is a high honor open to all students taking military training.

The Mounted Brigade is a detachment composed of those excelling in horsemanship who have for their object the maintenance of a highly trained, thoroughly equipped, and excellently mounted escort. The horses and equipment are furnished by the Federal Government.

The University of Wisconsin Rifle Team has the highest standing in the

Sixth Corps Area, having won the Sixth Corps rifle competition in 1921, 1922 and 1923, as well as the Chicago Tribune Trophy in 1923. This team is a member of the National Revolver and Rifle Association.

Military tournaments and horse shows are featured throughout the year.

The Military Ball is one of the prominent social activities of the University.

Scabbard and Blade is a national honorary fraternity of 75 chapters to which cadet officers are eligible for membership. Company A, First Regiment, was founded at this University in 1904.

COURSES OF INSTRUCTION

BASIC COURSES

1. Freshman Infantry. Yr. Infantry drill, hygiene, military courtesy and policy, physical training, rifle marksmanship. Captain Miller.

21. Sophomore Infantry. Yr. Automatic rifle, musketry, command and leadership, scouting and patroling, interior guard duty. Lieut. Burnett.

22. Sophomore Field Artillery. Yr. Organization, elementary hippology, topography and orientation, gun drill, fire control instruments, elementary firing data. Captain Berry.

23. Sophomore Signal Corps. Yr. Topography, leadership, automatic rifle, military telegraphy, military telephone, radio sets, tests. Captain Borden.

ADVANCED COURSES

These courses are considered as three-credit elective courses and academic credit is granted accordingly at the rate of 3 credits per semester, or a total of 12 credits for the two years. The completion of one of the sophomore basic courses is prerequisite for admission to any of the advanced courses.

131. Junior Infantry. Yr. Field engineering, military law, sketching, machine gun, leadership, rules of land warfare. Lieut. Carothers.

133. Junior Signal Corps. Yr. Message centers, codes and ciphers, wire and radio nets, applied signal communication, tests, communication engineering. Captain Borden, Mr. Peters.

141. Senior Infantry. Yr. Weapons, military history and policy, administration, special tactics, leadership. Captain Hull.

142. Senior Field Artillery. Yr. Tactics and field engineering, law, history, administration, leadership, mounted instruction, review of artillery firing. Captain Learnard.

143. Senior Signal Corps. Yr. General tactics, military law, military history and policy, administration, special tactics, communication engineering. Captain Borden, Mr. Koehler.

PART—IX

ASSOCIATED SCIENTIFIC INSTITUTIONS

FOREST PRODUCTS LABORATORY
STATE LABORATORY OF HYGIENE
STATE TOXICOLOGICAL LABORATORY
UNITED STATES WEATHER BUREAU
WASHBURN OBSERVATORY
WISCONSIN PSYCHIATRIC INSTITUTE
WISCONSIN GEOLOGICAL AND NATURAL HISTORY SURVEY

FOREST PRODUCTS LABORATORY

C. P. WINSLOW, DIRECTOR

The Forest Products Laboratory is a scientific institution engaged in industrial research for the Forest Service, United States Department of Agriculture, in cooperation with the University of Wisconsin. This research organization is engaged in studying problems bearing on the most efficient use of the products of the forest, and in disseminating such knowledge with a view to prolonging the present timber supply and encouraging the practice of forestry through greater financial returns. The staff of the laboratory cooperates with that of the University of Wisconsin in the courses of lectures and researches outlined below. The laboratory offers unusual facilities for research in the field of forest products and possesses very complete scientific and technical equipment for this purpose. In its investigations it approximates closely commercial conditions and cooperates extensively with the various manufacturing establishments in testing out its researches on a commercial basis.

The technical investigations of the laboratory are as follows:

(1) MECHANICAL PROPERTIES OF WOOD. Investigations of strength, stiffness, hardness, and other mechanical properties of commercial woods; effect of treatments on strength; tests on fabricated materials and manufactured articles; the development of grading rules for structural timbers.

(2) SEASONING OF WOOD. Determination of best methods of air drying and kiln drying to eliminate losses; design and operation of dry kilns; studies of commercial kilns; physical properties of woods.

(3) SHIPPING CONTAINERS. Study of wooden and fiber shipping containers, with special reference to design and specifications to develop containers which will deliver the contents to the consumer in a satisfactory condition at a minimum total cost.

(34) PLYWOOD, GLUES, AND LAMINATED STOCK. Study of plywood manufacturing problems; strength and design of plywood; development and improvement of glues; study of new uses for laminated construction in commercial work.

(5) By-Products and Chemical Studies. Researches on the methods of production and utilization of by-products, such as alcohol, turpentine, rosin, acetate, etc., obtained from various forms of wood and wood waste; and general wood chemistry.

(6) Wood Preservation. Researches on fungi which attack structural timbers with investigations aimed at practical means of prevention; the efficiency of various wood preserving processes and preservatives.

(7) Pulp and Paper. The suitability of woods and other fibrous materials for pulp, paper, and fiber specialties; studies in the chemistry and engineering of pulping and paper making processes; chemical and physical studies of pulps and papers.

(8) Wood Technology. Identification of wood; the effect of growth conditions on the structure of wood; and the relation of the structure of wood to its properties.

(9) Technical Studies of Wood-Using Industries. Study of the economic utilization of wood with a view to eliminating waste; lumber grades and specifications; methods of measuring, manufacturing, and marketing logs, lumber and small dimension stock; development of efficient uses of wood.

The lectures and research are offered by the staff of the laboratory to both undergraduates and graduates. Several courses on various technical activities are given in the Extension Division, as announced on page 353.

STUDENT RESEARCH ASSISTANTSHIPS

Students who show unusual ability in research may be appointed as student research assistants in this laboratory by the Forest Service or by the Bureau of Plant Industry, in accordance with the regulations of the United States Civil Service Commission at a salary not exceeding $40 per month. Application for these assistantships must be made to the director of the Forest Products Laboratory. The number of students thus appointed will largely depend upon the funds available and the number of suitable problems taken up by the laboratory for solution. Students may choose one of the problems as major or minor work for a thesis as part of the requirements for a higher degree.

LECTURE AND LABORATORY COURSES

A general course in forestry (1) open to all students is given during the first semester. This is followed in the second semester by a technical course in wood technology (102) open to junior, senior, and graduate students. An advanced course in wood properties (101) is given during the first semester of alternate years for those who desire a more intensive study of the field. One lecture course in the chemistry of wood utilization (103), including a description of industrial chemical processes of using wood as a raw material, is given. Special research work can be arranged for graduate students. A course in pathology of wood (119) is given in co-operation with the Department of Plant Pathology during the first semester of alternate years.

These courses do not supply the needs of students desiring to take up the study of forestry as a profession. Such students should enter one of the regular forestry schools.

FORESTRY AND WOOD TECHNOLOGY

LECTURERS TIEMANN, BROWNE, GERRY, KOEHLER, MARQUARDT, NEWLIN, RICHARDS, TRUAX

1. GENERAL FORESTRY. I; 2 cr. Mr. Tiemann.

101. PROPERTIES OF WOOD. I; 2 cr. Prerequisite: Forestry 1. Offered 1926-27 and in alternate years. Mr. Koehler and staff.

102. WOOD TECHNOLOGY. II; 2 cr. Mr. Tiemann, Miss Gerry.

119. DISEASES OF TIMBER. I; 2 cr. Offered 1927-28 and in alternate years. Miss Richards.

CHEMISTRY OF FOREST PRODUCTS

LECTURERS BATEMAN, CURRAN, GARVER, HAWLEY, HERITAGE, HUNT, RITTER, SHERRARD

103. INDUSTRIAL CHEMISTRY APPLIED TO FOREST PRODUCTS. II; 2 cr. Prerequisites: Chemistry 120, 121. Mr. Hawley, Mr. Bateman, Mr. Sherrard, Mr. Heritage, Mr. Ritter, Mr. Curran.

208. RESEARCH IN FOREST PRODUCTS CHEMISTRY. Yr; *cr.

a. Coal tars, wood tars, and wood preservatives, Mr. Bateman.

b. The production of ethyl alcohol from wood waste; carbohydrates and fermentation. Mr. Sherrard.

c. Wood distillation, wood extraction, and general wood chemistry. Mr. Hawley, Mr. Ritter.

d. The chemical action of bacteria and fungi on wood and pulp. Mr. Bray, Miss Richards.

e. Pulp and paper. Mr. Heritage, Mr. Curran.

f. Wood preservation and glues. Mr. Hunt.

STATE LABORATORY OF HYGIENE

W. D. Stovall, Director, Professor of Hygiene

The State Laboratory of Hygiene, located in South Hall on the university campus, is at once a university laboratory and the central laboratory for the State Board of Health. The staff is occupied in teaching, in the development of laboratory tests which are of assistance in the diagnosis and control of communicable diseases, in other laboratory procedures with which sanitary science is concerned, and in special investigation.

Last year 52,000 specimens for the diagnosis of diphtheria, typhoid fever, anthrax, rabies, tuberculosis, whooping cough, and other diseases were received from physicians, health officers, public health nurses, and others throughout the state. The facilities of the laboratory are used by three-fourths of the physicians in the state. Prophylactic vaccines are distributed free from the laboratory, and silver nitrate ampules are prepared for free distribution by the State Board of Health.

For the convenience of physicians and health officers, cooperative laboratories have been established in Beloit, Green Bay, Kenosha, Oshkosh, Rhinelander, Superior, and Wausau. The state contributes a portion of the funds required for the operation of each of these laboratories, and the respective cities supply the remainder. These branch laboratories are under the supervision of the director of the State Laboratory of Hygiene, acting for the State Board of Health.

The principal work of both the central and the branch laboratories is in the development and improvement of procedures and new methods for diagnosing, preventing, and controlling communicable diseases, and in the dissemination of information of this sort into every community of the state, thereby directly or indirectly touching the welfare of every citizen.

STATE TOXICOLOGICAL LABORATORY

C. W. MUEHLBERGER, STATE TOXICOLOGIST

The office of state toxicologist was established in 1923 by act of the Legislature. In many instances prior to the establishment of this office, cases of apparent criminal poisoning were not investigated because of the inability of the county to employ trained and competent experts. The high cost of such assistance was sufficient to make it almost prohibitive for some of the less densely populated counties. To prevent miscarriage of justice in such instances, and to render expert assistance available to all district attorneys, the legislature created this office.

The chief function of the State Toxicologist is to assist the district attorneys in the detection of criminal poisoning. There are also other ways in which this office assists in protecting the people of Wisconsin. Numerous cases of poisoning from black shoe dyes were recently observed in the state. The toxic substance was determined by careful analysis of the dyes in use and a study of the nature of its poisonous action was undertaken. Through the State Board of Health, this information was brought to the attention of physicians and laymen throughout the state, assisting in the diagnosis and treatment of such cases.

This office has been of aid to various state departments, such as the State Department of Agriculture in connection with the poisoning of stock and other domestic animals; the State Industrial Commission in connection with cases of suspected industrial poisoning, and the State Board of Health in cases of food poisoning. In general, it is the duty of the State Toxicologist to protect the people of the state from criminal or accidental poisoning, so far as he is able. The State Toxicologist also assist the staff of the Wisconsin General Hospital in the diagnosis and treatment of cases of poisoning.

The laboratory of the State Toxicologist is located in Science Hall, in conjunction with the laboratories of the Department of Pharmacology and Toxicology of the Medical School.

UNITED STATES WEATHER BUREAU

ERIC R. MILLER, METEOROLOGIST IN CHARGE

The University of Wisconsin has cooperated with the national weather services throughout its history. The first meterological observations at Madison were made by Professors S. H. Carpenter and J. W. Sterling for the Smithsonian Institute from 1853 to 1864. The services of students were enlisted in the making of these observations, and the names of John Muir and James L. High and other distinguished alumni are found in the meteorological journals kept at Madison. The observations were revived in 1869 by Professor W. W. Daniells, the pioneer professor of agriculture at the University. The Signal Corps, U. S. Army, carried on the observations at Madison from October 1878 to April 1883. On the termination of this governmental office, its instruments were turned over to the Washburn Observatory where the observations were continued until September 1904.

The demands of the public for weather information had become too heavy to be met by the astronomical observatory, so that in September 1904 a branch of the national weather bureau was again established at Madison, in North Hall, where the original observations had been begun 51 years earlier.

This office is fully equipped with standard apparatus, and receives telegraphic reports twice daily. Daily forecasts and weather bulletins are distributed to the press and mailed to the public in central and southwestern Wisconsin. The office is open to the public from 9 a. m. to 4 p. m. daily, except Sunday and holidays.

WASHBURN OBSERVATORY

JOEL STEBBINS, DIRECTOR, PROFESSOR OF ASTRONOMY

The Washburn Observatory was established in the year 1878 through the munificence of the late Governor Cadwallader C. Washburn. Although its obligations and opportunities as a branch of a teaching university have not been ignored, the enegries of its staff from the beginning have been directed mainly to astronomical research. Among the lines of research cultivated are the measurement of the positions and motions of the heavenly bodies, the discovery and measurement of double stars, with investigations of their orbits, the study of changes of latitude and the amount and character of the atmospheric refraction, the determination of the amount of the aberration of light, problems of stellar color, proper motions of faint stars, a systematic investigation of the parallaxes of all accessible stars which have large proper motions, and the photo-electric photometry of variable stars.

The principal instrument of the observatory is a refracting telescope of 15.6 inches aperture, constructed by Alvan Clark & Sons, and provided with a micrometer, a spectroscope, and a photo-electric photometer. The meridian circle by A. Repsold & Sons has a Clark objective with an aperture of 5 inches. There are also a sidereal clock by Hohwü, two mean clocks by Howard, and chronographs by Fauth and Gaertner. The clocks are compared daily with the radio time signals from Washington.

In the student observatory are a 6-inch refractor by Alvan Clark & Sons, with a modern mounting, and a 3-inch transit instrument of the broken-telescope type by Bamberg. These instruments, while primarily intended for instruction, are well adapted to and are employed for certain classes of original work. The observatory also possesses a considerable number of subsidiary instruments, such as portable telescopes, photometers, chronometers, sextants, engineers' transits, an altazimuth, a universal instrument, a personal equation machine, calculating machines, photographic and meteorological apparatus, and nautical charts and instruments.

The Woodman Astronomical Library, established in connection with the observatory, and supported from the income of a fund given by the late Cyrus Woodman, possesses a large and valuable collection of works upon astronomy and kindred subjects.

The results of important investigations conducted at the Washburn Observatory are published by the state, and fifteen volumes, representing the more important work done, have been issued.

Students of sufficient technical attainments are admitted to the observatory and take part in the investigations in progress. Meritorious original work of such students may be included in the publications of the observatory. For the courses of instruction in astronomy see page 130.

WISCONSIN PSYCHIATRIC INSTITUTE

W. F. Lorenz, Director, Professor of Neuro-Psychiatry

The Wisconsin Psychiatric Institute was originally developed under the Board of Control of the State of Wisconsin. It was started in 1915 at Mendota, but on July 1, 1925, was transferred by legislative act to the University.

Its principal purpose is to investigate causes of insanity and allied conditions which directly or indirectly result in state care, and in addition, to initiate and promote measures of relief and prevention when practically possible.

As the result of an investigation started in 1915, syphilis was found to be a large single factor in causing both insanity and mental enfeeblement in the state of Wisconsin. In an effort to meet this situation in a practical way, an attempt was made to assist the physicians throughout the state to recognize and thoroughly treat syphilis with the hope of preventing the late consequences of this disease. A blood-examining service was instituted and made available to physicians of Wisconsin, without cost. Since 1915, over 215,000 individual tests have been made for practicing physicians. The result of this effort accounts, in great measure, for the reduction of paresis in Wisconsin. This is shown by the admission rate to state hospitals, for while in 1915 and previously the admission rate for this form of insanity was over 12 per cent, in 1924 it was less than 6 per cent.

In addition, cerebro-pinal fluid is examined without charge for practicing physicians of Wisconsin, and more recently a chemical blood examination has been added as a service to physicians. This latter effort was made possible as the result of an extensive investigation from which was developed a blood preservative that permits shipment of this material by mail without deterioration.

All the laboratory work combined makes available to the practicing physicians highly specialzed laboratory procedures which are valuable aids to him in recognizing and treating disease and, incidentally, because the effort is centralized, promotes technical efficiency and is most economical.

The Institute also serves the State Board of Control as a special institution for the investigation of medical and medico-social problems arising in the administration of the state charitable and penal institutions. The director of the Institute serves as a medical consultant to the Board of Control.

The medical personnel of the Institute is on the faculty of the Medical School of the University. It handles the mental and nervous department of the Wisconsin General Hospital and teaches mental and nervous diseases to medical students. In cooperation with other departments of the University it has contributed to the advance of medical science, particularly in the field of treatment.

WISCONSIN GEOLOGICAL AND NATURAL HISTORY SURVEY

E. F. Bean, Director of Survey and State Geologist

This Survey has always been closely associated with the University, alike in its inception and operation. Its origin dates from a motion offered by Dr. C. R. Van Hise to the Wisconsin Academy of Sciences in 1893, calling for the appointment of a committee to secure legislation establishing such a survey. The committee, with Dr. Van Hise as chairman, took up the task and finally secured the establishment of the Survey by the legislature of 1897. The president of the University has regularly been the president of the commissioners of the Survey and Dean E. A. Birge was its director from the beginning until 1919, when, as president of the University, he became one of the commissioners. The offices and laboratories of the Survey are in university buildings.

The Survey was at first organized in two divisions—Geology and Natural History; the Legislature of 1909 added a third division by establishing a Soil Survey of the state. From the first much attention was given to highways and a Highway Division was organized in 1907; active work in this field was carried on until 1911, when the legislature created the Highway Commission and made the State Geologist one of its members.

The Geology Division was in charge of Dr. W. O. Hotchkiss from 1906 to 1925; since that date Mr. E. F. Bean has been State Geologist. This is the largest division of the Survey and has issued numerous maps and reports on the general and economic geology of the state. It has investigated also such subjects as water powers, underground waters, peat, and clays. At present, work is being done on the Keweenawan rocks of northern Wisconsin, where copper is the chief mineral possibility. Careful surveys are made of materials available for road construction, with a success which has been worth to the state many hundreds of thousands of dollars annually. The study of underground waters has made the Survey an authority on the supply of water from artesian wells. Topographic maps of the state which are necessary for all engineering undertakings, are being made in cooperation with the United States Geological Survey. The geography and physical geography of the state have been studied, and numerous bulletins have shown the connection between the geological and the social history of the several regions of Wisconsin.

The Soils Division is carrying on a survey which will result in a complete soil map of the state. The work, which is in charge of Professor A. R. Whitson, is done in cooperation with the United States Department of Agriculture and the College of Agriculture of the University. Soils are studied with reference to their best agricultural use and the fertilizer and other treatment necessary to make them most productive, including a study of the limestones, marls, and by-products from manufacturing plants available as a source of lime. Special attention is given the adaptability of particular soils to special crops such as potatoes, tobacco, and canning crops. Numerous maps and bulletins showing the nature and distribution

of the types of soils and their agricultural uses have been published. A reconnoissance survey of the northern part of the state has been completed and detailed county surveys covering a large part of the southern half of the state have been made.

The Natural History Division is in immediate charge of Dr. Birge, President-Emeritus of the University. It has issued numerous bulletins on specific topics relating to the botany and zoology of the state. Its main continuous work has been on the inland lakes. Many hydrographic maps have been made, as well as studies of the temperatures of the lakes, the chemical composition of their waters, and the plants and animals inhabiting them. The main problem to which all these studies lead is that of the nature and quantity of the fundamental food supply of the lakes, its variation with season and year, and the resulting economic value of the lakes.

KEY TO LETTERS FOLLOWING NAMES

A	Agriculture
AA	Applied Arts Course
AMid	Middle Agricultural Course
CC	Course in Commerce
CE	Civil Engineering
CH	Course in Humanities
CJ	Course in Journalism
ChC	Chemistry Course
ChCC	Chemistry-Commerce Course
ChE	Chemical Engineering
EE	Electrical Engineering
GenC	General Course (Bachelor of Philosophy)
GrN	School of Nursing, three-year course
Grad	Graduate School
HE	Home Economics
HygC	School of Nursing, Letters and Science, five-year course
IndEd	Industrial Education Course
L	Law
LS	Letters and Science (not in Special Courses)
M	Music
ME	Mechanical Engineering
Med	Medical Science Course
MinE	Mining Engineering
NorC	Course for Normal School Graduates
Ph	Pharmacy Course
Pre-Med	Pre-medical Course
PhysEd	Physical Education Course
SE	School of Education
WLS	Wisconsin Library School

KEY TO REFERENCES

*Degree conferred since Commencement, 1927.
†Degree conferred March 2, 1927.
‡Degree conferred March 25, 1927.

DEGREES CONFERRED ON COMMENCEMENT DAY, 1927

COLLEGE OF LETTERS AND SCIENCE

BACHELOR OF ARTS

GENERAL COURSE

Elisabeth Cooley Adams
Henry C. Ahrnsbrak
Donald K. Alexander
Mary Winifred Allen
Lois Almon
Ruby Lucille Alton
Marguerite Helen Amelung
Dorothy Jeanette Anderson
Helen Dorothy Anderson
Signe Elenor Anderson
Theodore Lavern Anderson
Leslie Henry Andrews
Albert David Annis
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Ulla Amel Rothermel
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Silas Burtron Tobey
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Lyle Clayton Ridgeway
Harrison Page Robinson, Jr.
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Carl Henry Ruhnke
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James Milton Spees
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Elijah Bortniker
George Maritz Bracke

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Joseph Anthony Chucka
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*Stanley Gustaf Dahl
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Arnold Stanley French
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Gertrude McMasters Smith
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Olivia Helga Bratrud
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Minnie Bruins Cole
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Laurinda May De Vilbiss
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Jeanne Louise Seitner
Clara Rose Sherburne
Mary Catherine Slick
Alma Alice Smith
Ruth Smithyman
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Evelyn Carol Van Donk
*Irene Marie Van Dresser
Victoria Warner
Eleanor Sparrow Warren
*Ruth A. Weiss
*Margaret E. Williams
Alice Margaret Wirick
Margaret Ann Ziebarth

GRADUATE IN AGRICULTURE

Donald Arthur Mitchell *Tse Tang Yu

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Elwin Arthur Andrus
†Stephen Alexander Aschenbrenner, B.A.
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†Ross Harley Bennett, B.A.
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Jackson Martin Bruce, B.S.
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*William Angus Cameron
†Earl Nelson Cannon, B.A.
†Douglas Wellesley Cockfield
James Gordon Culbertson, B.A.
Robert Hosken Damon
†Roy Clifford Davidson
Virgil Orr De Witt, Ph.B.
†George Earl Dietrich
Glenn Richard Douglas
†Cecelia Mary Ellen Doyle
†Ralph James Drought
*John Ryan Egan
Larry Mathew Engelhard
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†John Timothy Harrington
Palmer Edwin Henderson
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William O. Jackson
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Alonzo Eugene Kilmer
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*Alvin Monroe Strnad
*Willis Gregory Sullivan, B.A.
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†Mario Benjamin Tomisch, B.A.
*Norman Richard Torrison, B.A.
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Roger Russell Tuttrup, B.A.
*Tesse Vinovsky
Victor Carl Wangenstein, B.A.
†Carl Weidler
Harry Abe Weinberg
John Francis Wickhem, B.A.
†Hugh Glynn Williams
†Willis Wood

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Laurence Carter Gram
Sidney Junius Hanson
Frank Charles Holscher
Frederick William Krez, B.S.
Samuel Simon Levitin, B.A.
Scott Kerr Lowry, B.A.
Carl John Ludwig
Virginia Lyman North
Clarence David Nyhus
Robert Edward Sher
Fred G. Silberschmidt
Alexander Louis Soroka

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†Degree conferred since January 1, 1927.

[1]The certificate is granted to students who have completed the resident work for the law degree but have not served their office apprenticeship.

GRADUATE SCHOOL

MASTER OF ARTS

Theodore L. Anderson, B.A.
Frieda Kathryn Auchter, B.A.
Sophie-Anna Bachofen, B.A.
Charlotte Carolyn Backus, B.S.
Elizabeth Alice Badger, B.A.
Ruth Beryl Baker, B.A.
Lucy Young Banks, B.A.
Josephine Davis Banta, M.A.
*Francis Weyeneth Beedon, B.A.
*Alvin K. Bettinger, B.A.
*Dale Campbell Billman, B.A.
Elmer McKinley Bingham, B.A.
Isadore Richard Birnbaum, B.A.
James Alan Blackburn, B.A.
Rachel Mallory Borders, B.A.
Mabel Irene Bowers, B.A
Josephine Mary Brabant, B.A.
*Sylvia La Forest Brewer, B.A.
*Marshall Moore Brice, B.A.
Oscar Edward Briggs, B.A.
*Corilla Green Brodnax, B.A.
Dudley Cookingham Brooks, B.A.
Hobart Alexander Burch, B.A.
John Francis Burns, B.A.
Morris Gilmore Caldwell, B.A.
George Edwin Moreland Campbell, B.S.
Luelda Fern Carlton, B.A.
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Pearl Elizabeth Claus, B.A.
*David Brooks Cofer, B.A.
*Ernest Claude Coleman, B.A.
*Hulet Hall Cook, Ph.B.
Mary Elizabeth Corley, B.A.
*George Wesley Costerison, B.A.
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*Edith Isabel Dopp, B.A.
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Abraham Howard Dulmes, B.A.
Ruby Jane East, B.A.
*Charles Kenyon Eckels, B.A.
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Sally Elizabeth Ferris
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Roland Ralph Schrader, B.S.
Philo Howard Schultz, B.S.

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William Muir Richtman, B.S.

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Herbert Pulse Evans, B.S.
Erwin Ruskin Summers, B.S.

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Carl Louis Neumeister, B.S.

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Myrtle Marie Starr, Ph.B.
Clyde Harold Tarney, Ph.B.
Milo Edward Teska, Ph.B.
Frederick Marsh Trumbull, Ph.B.
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*Joseph Baxter Wiener, Ph.B.

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Norman Victor De Nosaquo, B.S.
Myra Emery, B.A.
John Amandus Grab, B.S.
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Everett Blaine Keck
Beatrice Martha Lins, B.A.
Chester William Long, B.S.
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Wendell Herbert Marsden, M.A.
Frank Newton Mason, B.S.
John Taylor Morrison, M.S.
Jeannette Munro, B.A.
Carroll Wilcox Osgood, B.S.
Burton Stewart Rathert, B.S.
Didrik Sannes, D.D.S.
Milton J. E. Senn, B.S.
Russell Rhea Sterling, B.S.
Jack Shores Supernaw, M.S.
Harry VanderKamp, M.S.
William Alexander Werrell

GRADUATE SCHOOL

DOCTOR OF PHILOSOPHY

Bushrod Warren Allin, B.S. (University of Wisconsin) *Madison*
Agricultural Economics, Geography, and Agricultural Journalism
Comparison of farm, city, and village tax burdens in Dane County, Wisconsin.

George Sherman Avery, Jr., M.S. (Dartmouth College) *Madison*
Botany and Zoology
The comparative anatomy and morphology of the embryos and seedlings of wheat and maize.

Roy Herman Baechler, M.S. (University of Wisconsin) *Minneapolis, Minn.*
Chemistry of Forest Products, Pharmacology, and Organic Chemistry
A relationship between the chemical formula and the toxicity toward Fomes annosus of certain benzene derivatives.

John Mann Beal, M.S. (Mississippi Agricultural and Mechanical College)
Botany and Plant Pathology *A. and M. College, Miss.*
A study of the prophases in the microsporogenesis of cotton.

*Gladys Louise Borchers, M.A. (University of Wisconsin) *Madison*
Speech and Psychology
A study of oral style.

*Floyd Franklin Burtchett, M.A. (University of California) *Madison*
Economics and Political Science
Development of the fiscal system in Wisconsin.

Warren Froemming Busse, M.S. (University of Wisconsin) *Algoma*
Physical Chemistry and Physics
I. The decomposition of nitrogen pentoxide in the presence of foreign gases.
II. The chemical action of cathode rays.

Harry Eaton Carswell, M.S. (University of Wisconsin) *Madison*
Organic Chemistry and Agricultural Chemistry
The relation of structure, affinity, and reactivity of ketones.

Albert Smith Carter, M.S. (University of Wisconsin) *Greeley, Colo.*
Organic Chemistry and General Chemistry
A study of furylangelic acid.

Lien Fang Chao, M.S. (University of Wisconsin) *Loshan, China*
Genetics and Botany
Genetic and cytological studies with rice.

Homer Dwight Chapman, M.S. (University of Wisconsin) *Darlington*
Soils and Analytical Chemistry
Available calcium in soils, its importance, and its determination.

*Sze Yee Chen, B.A. (Southeastern University, China) *Kiangsu, China*
Pharmacy and Physiological Chemistry
A study of Illicium religiosum.

Bernard Victor Christensen, M.S. (University of Wisconsin) *Madison*
Pharmacy and Pharmacognosy
Prepared chalk and other forms of calcium carbonate.

*Nils Ylvisaker Clauson, M.A. (University of Wisconsin) *Madison*
Latin and Greek
Wisconsin papyri 55, 26, 16.

*Phil R. Clugston, M.A. (University of Wisconsin) *Crawfordsville, Ind.*
English and Comparative Literature
Chapters on Tennyson's art, with special reference to the epithet.

*Selwyn De Witt Collins, M.A. (University of Wisconsin) *Washington, D. C.*
Economics and Political Science
Economic factors in public health—a study of the relation of economic status to morbidity and mortality.

*Anna Mabel Campbell Davis, M.A. (University of Wisconsin) *Madison*
Economics and Political Science
The correlation of law and economics in the commodity transaction.

Dorothy Day, M.S. (University of Wisconsin) *Salt Lake City, Utah*
Botany and Agricultural Bacteriology
Effects on Pisum sativum of a lack of calcium in the nutrient solution.

William Franklin Dove, M.S. (University of Wisconsin) *Ames, Iowa*
Genetics, Zoology and Animal Husbandry
The physiology of horn growth.

Charles Crawford Edmonds, M.A. (University of Wisconsin) *Grand Rapids, Mich.*
Economics and Political Science
The function and regulation of the common carrier motor vehicle.

Conrad Arnold Elvehjem, M.S. (University of Wisconsin) *Madison*
Agricultural Chemistry and Organic Chemistry
Iron in nutrition—factors affecting hemoglobin formation in the animal body.

Frederick Earl Emery, M.S. (Kansas State Agricultural College) *Baldwin, Kans.*
Physiology and Zoology
The metabolism of amino-acids by Paramecia caudatum.

Cortez Arthur Milton Ewing, Ph.M. (University of Wisconsin) *Spiceland, Ind.*
Political Science and History
British labor party policy, 1918-1925.

John Ray Faneslow, M.S. (University of Chicago) *Madison*
Colloid Chemistry and Organic Chemistry
Studies of the optical activity and relative resistance to shear of gelatin systems, and their influence upon the conception of jelly formation.

Hallie Farmer, M.A. (University of Wisconsin) *Anderson, Ind.*
History and Political Science
The recession of the frontier.

Victor John Farrar, M.A. (University of Wisconsin) *Madison*
History and Education
The acquisition of Alaska.

*Theron G. Finzel, M.S. (University of Wisconsin) *Monroe, Mich.*
General Chemistry, Physical Chemistry, and Organic Chemistry
A study of the properties of pyrophoric iron.

Olive Caroline Fish, M.A. (University of Wisconsin) *Cleveland, Ohio*
Education and Geography
The aims and content of junior high-school geography.

Louis Carl Fleck, M.S. (University of Wisconsin) *Madison*
Chemistry of Forest Products and Organic Chemistry
Studies in the chemistry of wood.

*Virginia Rose Gearhart, M.A. (University of Wisconsin) *Cumberland, Md.*
History and Economics
The southern woman, 1840-1860.

Hallet Hunt Germond, M.S. (University of Wisconsin) *Madison*
Mathematical Physics and Physics
A study of the space charge effects in three-element vacuum tubes.

*Harold Martin Groves, M.A. (University of Wisconsin) *Lodi*
Economics and Law
The machinist in industry—a study of the history and economics of his craft.

William Haber, M.A. (University of Wisconsn) *Milwaukee*
Economics and Political Science
Industrial relations in the building industry.

Harry Gordon Harding, M.S. (University of Illinois) *Urbana, Ill.*
Agricultural Bacteriology and Agricultral Chemistry
The occurrence and significance of thermophilic bacteria in milk.

*Herbert Henley Haymaker, M.S. (University of Wisconsin) *Wichita, Kans.*
Plant Pathology, Botany, and Agricultural Bacteriology
Tomato wilt: Pathogenicity of two strains of Fusarium Lycopersici Sace, and the relative toxicity of their excretory products.

Edith Haynes. M.A. (University of Wisconsin) *Emporia, Kans.*
Agricultural Bacteriology and Plant Pathology
A study of certain hemolytic streptococci of the betatype in certified milk.

Gilbert Frederick Hoffmann, M.S. (University of Wisconsin) *Madison*
Inorganic Chemistry, Physical Chemistry, and Organic Chemistry
A study of some derivatives of selenium and tellurium.

Isme Aldyth Hoggan, M.S. (University of Wisconsin) *Caterham, England*
Plant Pathology and Botany
Cytological studies on virus diseases of solanaceous plants.

Lester Martin Jones, M.A. (Columbia University) *Sioux City, Iowa*
Sociology and Political Science
Recent humanitarian and reform activities of the American Quakers.

Glenn Howe Joseph, M.S. (University of Illinois) *Tuscola, Ill.*
Colloid Chemistry and Organic Chemistry
Light-scattering capacities in connection with the structure of gelatin gels and sols.

*James Edward Judson, M.S. (University of Wisconsin) *Bristol, Ind.*
Botany and Horticulture
The morphology and vascular anatomy of the pistillate flower of the cucumber.

Henry William Kerr, M.S. (University of Queensland) *Toowong, Queensland, Australia*
Soils and Agricultural Chemistry
The nature of base exchange and soil acidity.

Roy Fred Korfage, B.S. (University of Minnesota) *St. Paul, Minn.*
Food Chemistry and Agricultural Bacteriology
The hygroscopicity of sugars and mixtures of sugars at various humidities, and its relation to the hard-candy problem.

*Russell Merrill Kutz, M.A. (University of Wisconsin) *Madison*
Education and Psychology
A plan for the distribution of state and county school funds in Wisconsin.

Maurice Leven, B.A. (University of Wisconsin)
Economic Statistics, Mathematical Statistics, and Psychology
Income in the various states: Its sources and distribution.

Maurice Blood Linford, M.A. (Utah Agricultural College) *Logan, Utah*
Plant Pathology and Botany
A fusarium wilt of peas in Wisconsin.

Walter Ross Livingston, M.A. (University of Missouri) *Iowa City, Iowa*
History and Political Science
The evolution of responsible government in Nova Scotia.

Hope Henry Lumpkin, M.A. (Universit yof Wisconsin) *Madison*
Sociology and Philosophy
The social and economic ideas of the English Church fathers of the sixteenth century.

Forrest Draper McCrea, M.S. (University of Illinois) *Madison*
Physiology and Physiological Chemistry
Heart studies: 1. The effect of exercise on the heart size. 2. The action of morphine in slowing the pulse.

Shichiro Matsui, M.A. (University of California) *Gumma-ken, Japan*
Economics and Political Science
The silk industry in the United States.

Alfred Henry Meyer, B.S. (University of Wisconsin) *Madison*
Soils and Botany
Some neglected soil factors in plant growth.

*Vern G. Milum, M.S. (University of Wisconsin) *Urbana, Ill.*
Economic Entomology, Zoology, and Genetics
Some temperature relations of the honeybee colony.

Elon Howard Moore, B.A. (Albion College) *Champaign, Ill.*
Sociology, Political Science, and Statistics
The criminal jurisprudence of Edward Livingston.

Edward Ward Morehouse, M.A. (University of Wisconsin) *Madison*
Economics and Political Science
A study of the Rochester clothing market, 1919-1922.

Walter Albert Morton, M.A. (University of Michigan) *East Cleveland, Ohio*
Economics and Philosophy
The formation of capital.

Ernest Staples Osgood, B.A. (Dartmouth College) *Helena, Mont.*
History and Agricultural Economics
The Northern cattle range, 1865-1890.

Harris Barnum Parmele, M.S. (University of Wisconsin) *Rockford, Ill.*
Agriculutral Chemistry and Agricultural Bacteriology
Biochemical studies of sauerkraut.

John Jacob Pieper, M.S. (University of Illinois) *Urbana, Ill.*
Agronomy, Botany, and Agricultural Economics
The physiological behavior of regional strains of potatoes.

René Wentworth Pinto, M.A. (Columbia University) *Madison*
Political Science, Economics, and History
The Pan-American Union.

Byron Ernest Pontius, M.S. (University of Wisconsin) *West Lafayette, Ind.*
Genetics, Zoology, and Ainmal Husbandry
The relation of external body dimensions to type, and the correlation of body parts with butter-fat production in Holstein-Fresian cattle.

*Margaret Pryor, M.A. (University of Texas) *Madison*
Economics and Philosophy
The place of consumption in economic theory.

†Elsie Matilde Saleski, M.A. (Cornell University) *Madison*
German, Italian, and Spanish
Italien im Lichte einiger Deutschen Zeitschriften aus der Zweiten Hälfte des achzehnten Jahrhunderts.

Allan Frederic Saunders, M.A. (University of Wisconsin) *Madison*
Political Science and History
The judicial system of Scotland.

Mary Honora Sayle, M.A. (University of Wisconsin) *Madison*
Zoology and Botany
Factors influencing the rate of metabolism of Aeshna umbrosa nymphs.

*Brighidin Trumble Scallon, B.A. (Trinity College) *Hancock, Mich.*
French and Spanish
Scherer in France.

*Leo Schapiro, B.S. (Missouri School of Mines) *Chicago, Ill.*
Mining Engineering and Physics
The iron-carbon-chromium-nickel system.

*Myrtle Annette Shaw, M.S. (University of Wisconsin) *Union, Ill.*
Agricultural Bacteriology and Botany
Thermophilic bacteria in canned foods.

Robert Merrill Simington, M.S. (University of Wisconsin) *Madison*
Organic Chemistry and Agricultural Bacteriology
The catalytic oxidation of alcohols over metallic catalysts.

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†Degree conferred March 2, 1927.
*Degree conferred since Commencement 1927.

Guy-Harold Smith, Ph.B. (University of Wisconsin) *Madison*
Geography and Geology
The settlement and present distribution of population in Wisconsin: A geographical interpretation.

Paul Samuel Smith, M.A. (University of Wisconsin) *Whittier, Calif.*
History and Law
The Democratic opposition in the American Civil War.

William Ernest Smith, Ph.M. (University of Wisconsin) *Oxford, Ohio*
History and Political Science
The Francis Preston Blair family in politics to the fall of *The Globe*.

Clarence Harvey Sorum, M.S. (University of Wisconsin) *Lanesboro, Minn.*
General Chemistry and Physical Chemistry
Some studies with ferric oxide hydrosols.

Henry Dayton Squires, M.S. (McGill University) *Fredericton, N. B., Can.*
Geology and Inorganic Chemistry
A real and structural geology of the Saint George map area.

Harold Ray Thornton, B.S.A. (University of Alberta) *Calgary, Alta., Can.*
Agricultural Bacteriology and Agricultural Chemistry
The methylene-blue reduction test.

Rolla Williams Titus, M.A. (University of Kansas) *Manhattan, Kans.*
Dairy Husbandry, Agricultural Chemistry, and Agricultural Bacteriology
The nature of the protein surrounding the fat globule in milk.

Warren Porter Tufts, M.S. (Oregon Agricultural College) *Davis, Cal.*
Botany and Horticulture
A study of the correlation between fruit-bud-formation and growth in the Elberta peach and the chemical composition of its one-year-old shoots.

Charles Wesley Turner, M.A. (University of Missouri) *Madison*
Genetics, Zoology, and Animal Husbandry
The mode of inheritance of yearly butter-fat production.

Tatinia Vacquier, M.A. (University of Wisconsin) *Madison*
French, German, and History
F. M. Dostoevsky and André Gide: A parallel study.

Hubert Stanley Wall, M.A. (Cornell College) *Rockwell City, Iowa*
Mathematics and Mathematical Physics
On the Pade approximents associated with the continued fraction and series of Stieltjes.

Florence Whitbeck, M.A. (University of Wisconsin) *Madison*
Geography and Geology
A geographical interpretation of Porto Rico.

Edwin Odde Wiig, M.S. (University of Wisconsin) *Madison*
General Chemistry and Inorganic Chemistry
A study of the decomposition of acetone dicarboxylic acid.

Marguerite Eleanor Wilker, M.A. (University of Wisconsin) *Wyoming, Iowa*
Education and Psychology
Percentage study—an investigation of two kinds of teaching material.

Edward Elmer Wilson, M.S. (University of Wisconsin) *Burkesville, Ky.*
Plant Pathology and Botany
Studies of the ascigerous stage of Venturia inaequalis (Cke.) Wint. in relation to the epidemiology of apple scab.

John Allen Wilson, M.A. (University of Wisconsin) *Appleton*
Physiology and Physiological Chemistry
Some mechanical factors influencing cardiac function.

John Gibson Winans, M.A. (Dartmouth College) *Madison*
Physics and Mathematics
The optical excitation of zinc vapor.

Edwin Emil Witte, B.A. (University of Wisconsin) *Madison*
Economics, European History and American History
The role of the courts in labor disputes.

Samuel Abraham Wofsy, M.A. (University of Wisconsin) *Madison*
Spanish and French
A critical edition of nine farces of Moreto.

Ella Lucille Wood, M.A. (University of Wisconsin) *Berlin*
Geography and Political Science
The development of the modern concept of geography.

HONORARY DEGREES

DOCTOR OF SCIENCE

Gerge David Birkhoff, Professor of Mathematics in Harvard University
Cambridge, Mass.

Frank Baldwin Jewett, Electrical Engineer *New York*

Dean De Witt Lewis, Professor of Surgery in Johns Hopkins University
Baltimore, Md.

DOCTOR OF LAWS

Walter Lippmann, Journalist *New York*

DOCTOR OF LETTERS

Maude Adams, Actress *New York*
Minnie Maddern Fiske, Actress *New York*

COLLEGE OF LETTERS AND SCIENCE

Lois Almon	Botany
Elmer Frederick Beth	Journalism
Mary Margaret Brandel	Journalism
Calmer Benjamin Browy	Journalism
Blanche Louise Buhlig	English
Helen Brown Burton	History
Laurence Conrad Eklund	Journalism
Mildred Amanda Engelbrecht	Bacteriology
Tirza Blight Ennor	Mathematics
Jacob Frank Federer	Economics
Eloise Charlotte Francke	German
Lowell Emil Frautschi	History
John Philip Gillin	Sociology
Bernard Arthur Goodkind	Political Science
Esther Mary Hawley	Journalism
Tun Yuan Hu	Political Science
George Carl Johnson	English
Duane Howard Kipp	Journalism

Ignace Joseph Krchma	Chemistry
Ella Clarice La Perriére	French
Richard H. Lauson	Journalism
John Christopher Mackin	Chemistry
Steven John Martin	Zoology
Charles David Meissner	Economics
Jacob William Moelk	Physics
Ruth Jackson Mossman	Zoology
Raymond Horten Nelson	English
Harold Osterberg	Physics
Louis Martin Pruess	Bacteriology
Roy Tarnutzer Ragatz	Economics
Alfred Reschke	Sociology
Richard Samuel Rosenfels	Botany
Ira Smalling	Economics
Gertrude Mary Thiemann	French
Dorothy Ellen Villemonte	English
Tsao Shih Wang	Political Science
Dorothea Ruth Weichelt	English
Eleanor Rosa Wooster	Music
Arnold Lloyd Zempel	Economics

COLLEGE OF ENGINEERING

George John Heimerl	Hydarulic Engineering
William Zander Lidicker	Hydarulic Engineering
James Walter Myers, Jr.	City Planning
Darrel Ecke Thomsen	City Planning

COLLEGE OF AGRICULTURE

LONG COURSE

Charles Mountjoy Bice	Poultry Husbandry

HOME ECONOMICS

Minnie Bruins Cole	Foods
Arlone Bradford Kinkaid	Agricultural Bacteriology
Lucille Mercedes Legler	General

CERTIFICATE OF GRADUATE NURSE

Faith Magdaline Baumgartner	Margery Jean MacLachlan
Maxine Alice Baumgartner	Freda Al Peterson
Mary Ellen Carney	Florence Victoria Roddan
Catherine Porter Cirves	Elva Irene Sanden
Arminta V. Hartwig	Marion Lucile Zilley
Marcella Belva Hartwig	

LIBRARY SCHOOL CERTIFICATES

Margaret Lucile Babcock	Harriet Love
Madge Jean Collar	Margaret Mary McIntosh
Esther Conner	Ethel Malec
Louva Marion Crane	Aune Elida Martin
Alma Claudine Davis	Martha Brooks Merrell
Leah Elizabeth Diehl	Jane Morgan
Ruth Lynette Dougherty	Alice Palmer Morris

Dorothy Earl
Frances Mary Foster
Ethel Luella Goff
Ida Goshkin
Esther Carolyn Grob
Matilda Frederika Hanson
Frances Amanda Heckman
Neva Evelyn Holmes
Kathryn Hornibrook
Genevieve Maurine Huff
Annis Jane Knights
Martha Jeannette Petty
Dorothy Jean Randall
Lois Margaret Ringo
Grace Victoria Schoechert
Mary Scott
Mary Catherine Shemorry
Helen Nora Sherrill
Katharine Wesson
Mildred Jerene Wilder
Eda Alice Zwinggi

STUDENTS

GRADUATES

FELLOWS AND SCHOLARS

[1]First Semester
[2]Second Semester

Hinz, Stella M. *Thompson, N. Dak.*
Ph. D., University of Wisconsin
Albert Markham Memorial Graduate Traveling Fellow (German) (not in residence)

Alexander, Lindsay Lloyd *Springfield, Mo.*
B.A., University of Missouri — Honorary Scholar in Agricultural Economics

Allgeier, Rudolph Joseph *Chicago, Ill.*
B.S., University of Wisconsin — Fellow in Agricultural Bacteriology

Angell, Herbert Raleigh *Jamaica*
M.S., University of Wisconsin — Fellow in Plant Pathology

Babcock, Russell Burton[1] *Galien, Mich.*
B.A., Albion College — Scholar in Philosophy

Baker, Glenn J.[1] *Clearfield, Iowa*
B.A., University of Wisconsin — Scholar in Geology

Barnes, James A. *Prentiss, Ky.*
M.A., University of Wisconsin — Fellow in American History

Barss, Howard Phillips *Corvallis, Oregon*
M.S., Harvard University — Honorary Fellow in Plant Pathology

Basherov, Samuel *Madison*
M.S., University of Minnesota — Fellow in Genetics

Baumann, Charles *Basil, Switzerland*
Ph.D., University of Basel — Swiss Exchange Fellow in (Economics)

Benedict R. Ralph *Medford*
M.S., University of Wisconsin — Research Fellow in Electrical Engineering

Blank, Lester Marion *Topeka, Kans.*
M.S., University of Wisconsin — Fellow in Plant Pathology

Brabender, George John *Peshtigo*
B.S., University of Wisconsin — Fellow in Chemical Engineering

Bradford, George Winthrop[1] *Clyde, Ohio*
M.A., Western Reserve University
Mary M. Adams Fellow in English Language and Literature

Bradshaw, Mary Eloise[2] *Wilkensburg, Pa.*
B.A., Pennsylvania College for Women — Scholar in American History

Braun, Herbert Adolph *Milwaukee*
B.S., University of Wisconsin — Fritzche Brothers Fellow in Pharmacy

Brethouwer, Melvin William *Oostburg*
B.A., Carroll College — Carroll College Scholar (Economics)

Briggs, Elsie Prentiss *Brookline, Mass.*
B.S., Simmons College — Fellow in Comparative Literature

Bunce, Elsworth William *Madison*
B.S., University of Wisconsin Barney Link Fellow (Agricultural Journalism)

Bunten, Eva Isabel *Washington, D. C.*
B.A., George Washington University — Fellow in Botany

Calkins, Howard Andrew *E. Conneant, Ohio*
B.A., Ohio Wesleyan University — Scholar in Political Science

Campbell, John Roy *Madison*
M.S., Iowa State University — Barney Link Fellow (Horticulture)

Casey, Abigail *Madison*
M.A., Colorado State Teachers College — Scholar in Speech

Chen, Kingsley Kwei *Hunan, China*

B.A., University of Nebraska — Fellow in Philosophy
Chucka, Joseph Anthony — *Beaver*
B.S., University of Wisconsin — Scholar in Soils
Colburn, Allan Philip — *Wauwatosa*
M.S., University of Wisconsin — Fellow in Chemical Engineering
Corley, Martha Eva — *Lincoln, Nebr.*
B.A., University of Wisconsin — Scholar in European History
Correll, Marie — *Manhattan, Kans.*
M.S., Kansas State Agricultural College — Fellow in Economics
Cowart, Roland[2] — *Greenwood Springs, Miss.*
M.S., Mississippi Agricultural and Mechanical College — Honorary Fellow in Soils
Cox, Glen N. — *Madison*
M.S., University of Iowa — Research Fellow in Hydraulic Engineering
Diderrich, Helen Marion — *Appleton*
B.A., Lawrence College — Lawrence College Scholar (French)
Drought, Rose Alice[2] — *Milwaukee*
M.A., University of Wisconsin — Research Fellow in Psychology and Landscape Design
Ellis, Lippert Spring — *Madison*
B.S., University of Wisconsin — Fellow in Economics
Faville, Laura Elizabeth — *Lake Mills*
B.S., University of Wisconsin — Fellow in Home Economics
Felten, Florence Bertha — *Madison*
B.A., Milwaukee Downer College — Milwaukee Downer College Scholar (English)
Fitzsimons, Caro — *Rochester, N. Y.*
B.A., University of Rochester — Seminary Endowment Association Fellow in German
Francke, Eloise Charlotte — *Madison*
B.A., University of Wisconsin — Scholar in German
French, Sidney James — *Superior*
M.S., University of Wisconsin — Fellow in Chemistry
Furminger, Bertha Frances — *Appleton*
B.A., University of Wisconsin — Scholar in Mathematics
Gamble, William H. — *Madison*
B.S., South Dakota State University — Wisconsin Utilities Association Fellow in Electrical Engineering
Glasoe, G. Norris — *Northfield, Minn.*
M.A., University of Wisconsin — Fellow in Physics
Goff, Ira Nathan — *Providence, R. I.*
M.S., Missouri School of Mines and Metallurgy — Research Fellow in Metallurgy
Graham, Alexander Richard — *Madison*
B.S., Stout Institute — Industrial Scholar, School of Education
Graham, Donald Penrose — *Seattle, Wash.*
M.S., University of Wisconsin — Fellow in Chemistry
Gumm, M. Mildred — *Madison*
B.A., University of Wisconsin — Industrial Fellow in Agricultural Bacteriology
Han, Lih-Wu — *Chuchow, Anhwei, China*
B.A., University of Nanking — Honorary Fellow in Political Science
Hansell, James Myron — *Madison*
M.S., University of Wisconsin — Honorary Scholar in Geology
Hansen, Asael T. — *Logan, Utah*
B.S., Utah Agricultural College — Honorary Scholar in Sociology
Harnack, Arvid Rudolf — *Jena, Germany*
D'laws University of Jena — Honorary Fellow in Economics
Hart, Elizabeth Jane (SE) — *Waupaca*
M.A., University of Wisconsin — Fellow in Mathematics (School of Education)
Haworth, Donald (SE) — *Madison*
M.A., University o fChicago — Fellow in Speech (School of Education)

Helgeson, Earl Adrian — *Madison*
B.S., Oregon Agricultural College — Industrial Fellow in Botany

Herrin, Raymond Clyde — *Hartford City, Ind.*
M.S., University of Wisconsin — Fellow in Agricultural Chemistry

Herrmann, Omer Wesley — *Madison*
B.S., University of Nebraska — Honorary Scholar in Agricultural Economics

Hastenes, Magnus Rudolph — *Northfield, Minn.*
B.A., St. Olaf's College — Fellow in Mathematics

Hickman, Elizabeth Lilliston[1] — *Baltimore, Md.*
M.A., Clark University — Scholar in American History

Hield, Willard Woodstock (SE) — *Janesville*
M.S., Iowa State College — Industrial Scholar (School of Education)

Insko, Wyatt Marion, Jr. — *Madison*
M.S., West Virginia University — Fellow in Animal Husbandry

Ivanoff, Spas Sim[2] — *New York, N. Y.*
B.S., Cornell University — Industrial Fellow in Plant Pathology

Jansky, Karl Guthe — *Madison*
B.A., University of Wisconsin — Scholar in Physics

Kelleman, Jacobus Hendrik — *Porterville, C. P., So. Africa*
M.S., Stellensbosch University
Union of South Africa — International Fellow (Agricultural Chemistry)

Kiehel, Constance Amelia — *Rochester, N. Y.*
M.A., University of Wisconsin — Fellow in Economics

Kon Stanislaw Kazimierz[2] — *Warsaw, Poland*
Ph.D., University of Warsaw — Honorary Fellow in Agricultural Chemistry

Kuhlman, Arthur Henry[2] — *Lowell*
M.S., University of Wisconsin — Honorary Fellow in Genetics

Kumlien, Wendell Friehof — *Brookings, S. Dak.*
M.S., University of Wsiconsin — Fellow in Agricultural Economics

Lanzer, Gertrude Frances — *Bloomer*
B.A., Lawrence College — Henry Gund Scholar in German

Lathrop, Andrew William[1] — *Endicott, N. Y.*
M.S., University of Wisconsin — Industrial Fellow in Animal Husbandry

Ledeboer, Julia Auguste — *London, England*
M.S., Lnodon University — Honorary Scholar in Geography

Leveque, Andre Camille — *Rockford, Ill.*
Licence en droit, University of Paris — Fellow in Romance Languages

Li, Ti-Tsun — *Hupeh, China*
M.A., University of Wisconsin — Honorary Scholar in Political Science

Lidicker, William Zander — *Milwaukee*
B.S., University of Wisconsin — Fellow in Hydraulic Engineering

Lorig, Clarence Herman — *South Milawukee*
M.S., University of Wisconsin — Research Fellow in Metallurgy

Lumpkin, Katharine DuPre — *Madison*
M.A., Columbia University — Harriet Remington Laird Fellow (Sociology)

Lund, Richard Jacob[2] — *Racine*
B.A., University of Wisconsin — Scholar in Geology

McGrath, Robert Timothy (SE) — *Madison*
Ph.M., University of Wisconsin — Honorary Scholar in Education

Magee, Charles Joseph — *Sydney, Australia*
M.S., University of Wisconsin — Ben Fuller Traveling Scholar (Plant Pathology)

Mahr, Alexander — *Austria*
Ph.D., Vienna University — Honorary Fellow in Economics

Malz, Gertrude — *Philadelphia, Pa.*
M.A., University of Wisconsin — Fellow in Classics (Greek)

Mattusch, Kurt Robert — *Schoenebeck, German*
M.A., University of Wisconsin
German-American Exchange Fellow (Political Science)

Miller, William Taylor — *Madison*
D.V.M., Kansas State Agricultural College — Industrial Fellow in Veterinary Science

Millington, Paul Emanuel — *Lakeland, Minn.*
B.A., University of Minnesota — DuPont Fellow in Chemistry

Motzeff, James — *Beloit*
B.A., Beloit College — Beloit College Scholar (Political Science)

Muzumdar, Haridas Thakordas — *Bombay, India*
M.A., Northwestern University — Fellow in Sociology

Neal, Norman Percy — *Marlborough, New Zealand*
M.S., University of Wisconsin — Honorary Scholar in Genetics

Nelson, Lowry[2] — *Provo, Utah*
M.S., University of Wisconsin — Honorary Scholar in Economics

Nelson, Martin Johan[2] (SE) — *Madison*
M.A., University of Wisconsin — Fellow in Education

Newsome, Verna Louise[2] — *Waupaca*
B.A., University of Wisconsin — Mary M. Adams Fellow in English Language and Literature

Pilger, Ruth — *Ripon*
B.A., Ripon College — Ripon College Scholar (French)

Pruess, Louis Martin — *Milwaukee*
B.S., University of Wisconsin — Scholar in Agricultural Batceriology

Raisbeck, Agatha Ruth — *Madison*
M.S., University of Wisconsin — Fellow in Agricultural Journalism

Randall, Martha Herbert — *Baltimore, Md.*
M.A., University of Wisconsin — Honorary Scholar in History

Rey, Agapito[2] — *Bloomington, Ind.*
M.A., University of Michigan — Honorary Fellow in Romance Languages

Reynolds, Robert Leonard — *Madison*
M.A., University of Wisconsin — Charles Kendall Adams Fellow in Modern History

Rody, Vera Thelma — *Kokoma, Ind.*
B.A., Indiana University — Honorary Scholar in History

Rosander, Arlyn Custer (SE) — *Scottsville, Mich.*
B.S., University of Michigan — Honorary Scholar in Education

Rosenberg, Ralph Philip — *New York, N. Y.*
B.S., College of the City of New York — Lafrentz Fellow in German

Rudolph, Joseph — *Madison*
E.M., Montana State School of Mines — Honorary Scholar in Geology

Savageau, Paul Leo — *West Depere*
M.A., University of Wisconsin — Charles Kendall Adams Fellow in Greek

Sayre, George Merton — *Milton*
B.A., Milton College — Scholar in Romance Languages

Schirmer, Mariele — *Milwaukee*
M.A., University of Wisconsin — Fellow in German

Schneider, John Simeon — *Prosperity, S. Car.*
M.A., University of South Carolina — Fellow in European History

Shelvankar, Krishnarao Shivarao — *Madras, India*
M.A., University of Wisconsin — Honorary Scholar in Political Science

Shoemaker, Alice O. — *Philadelphia, Penn.*
M.A., University of Pennsylvania — Honorary Scholar in History

Shreiner, John Frederic — *Madison*
M.A., Williams College — Fellow in Political Science

Silcox, Walter Bruce — *Ontario, Canada*
M.S., Iowa State College — Fellow in Agricultural Economics

Snell, Hampton K. — *Kansas City, Mo.*
B.A., University of Wisconsin — Anna Morris Ely Scholar in Economics

Snider, Howard John — *Urbana, Ill.*
M.S., University of Illinois — Honorary Fellow in Soils

Steadman, George Edward — *Madison, Ind.*
B.A., Hanover University — Honorary Scholar in Mathematics
Swantner, Eva — *Fremont, Nebr.*
M.A., University of Wisconsin — Martha L. Edwards Memorial Scholar in History
Tankersley, Allen Pierce — *East Point, Ga.*
M.A., Emory University — Fellow in Latin
Teare, Benjamin Richard, Jr. — *Menomonie*
B.S., University of Wisconsin — Research Fellow in Electrical Engineering
Templeton, Hugh Longwill — *Lima Center*
Ph.D., University of Wisconsin — Industrial Fellow in Dairy Husbandry
Templin, Vera M. — *Baraboo*
B.A., University of Wisconsin — Scholar in Chemistry
Thomas, Byron Henry — *Oakland, Calif.*
M.S., University of Wisconsin — Industrial Fellow in Animal Husbandry
Thomas, Robert Cole — *Madison*
M.S., University of Wisconsin, — Industrial Fellow in Agricultural Bacteriology
Thompson, Isabel — *Ebenezer, Tenn.*
B.A., University of Tennessee — Lyman C. Draper Fellow in Western History
Tillman, Arthur George — *La Crosse*
M.A., University of Wisconsin — Fellow in Geology
Tobey, Silas B. — *Wausau*
B.S., University of Wisconsin
Wisconsin Utilities Association Fellow in Electrical Engineering
Van Donk, Evelyn Carol — *Green Bay*
B.S., Universit yof Wisconsin — Industrial Fellow in Agricultural Chemistry
Van Ermen, Louis — *Green Bay*
B.S., University of Wisconsin — Industrial Fellow in Agricultural Bacteriology
Wallace, Chess Trefol — *Star City, Ark.*
B.S., Mississippi Agricultural and Mechanical College
Honorary Scholar in Agricultural Economics
Walton, Duncan Cameron — *Annapolis, Ind.*
M.D., Johns Hopkins University — Honorary Scholar in Pharmacology
Walts, Charles Cohen — *Madison*
M.S., Connecticut Agricultural College — Fellow in Dairy Husbandry
Wheeler, Arthur Lloyd — *Victoria, B. C., Canada*
M.A., Toronto University
Mary M. Adams Fellow in English Language and Literature
White, Arthur Stevenson — *Grove City, Pa.*
M.A., J.D., University of Michigan — Honorary Fellow in Political Science
White, Hall Brewer — *St. Paul, Minn.*
B S., University of Minnesota — Honorary Fellow in Agricultrual Engineering
Wimmer, Edward Joseph — *Milwaukee*
M.A., University of Wisconsin — Fellow in Zoology
Winch, Ralph Philip — *Milton Junction*
B.A., Milton College — Milton College Scholar (Physics)
Wright, Doris Ann — *Minneola, Kans.*
B.A., Southwestern College — Honorary Scholar in Geology
Zeiger, Simon Louis — *Milwaukee*
B.S., University of Wisconsin — Hollister Fellow in Pharmacy
Zempel, Arnold Lloyd — *Madison*
Ph.B., University of Wisconsin — Scholar in Economics

OTHER GRADUATES

Abels, Margaret Hutton M.A., Tufts College	Sociology	*Madison*
Abry, Cecelia Frances M.S., Iwa State College	Home Economics	*Vincennes, Ind.*
Aitken, Herbert MacGregor (M) B.S., University of Wisconsin	Pathology	*Bogeman, Mont.*

Alder, Hugo B.S., University of Wisconsin	Chemistry	*Oshkosh*
Alexander, Leonard Jay B.S., Louisiana State University	Plant Pathology	*Tallulah, La.*
Allen, George Washington B.A., University of Nebraska	Education	*Scoffsbluff, Nebr.*
Allen, Oscar Nelson M.A., University of Texas	Agricultural Bacteriology	*Ennis, Texas*
Ammon, Ralph E. M.S., University of Wisconsin	Agricultural Economics	*Madison*
Anderson, Olga F. B.S., University of Wisconsin		*Madison*
Anderson, Charlotte Wright (SE) B.A., Western Reserve University	Education	*Cleveland, Ohio*
Anderson, Edward B.S., University of Wisconsin	Steam and Gas Engineering	*Racine*
Anderson, Merton Blair B.A., Colgate University	Chemistry	*Chambersburg, Pa.*
Anderson, Wells Foster B.A., University of Wisconsin	Geology	*Tomah*
Andree, Clarence Alois M.S., University of Wisconsin	Electrical Engineering	*Madison*
Andrews, Leslie Henry B.A., University of Wisconsin	Chemistry	*South Wayne*
Annin, Gerald Everett B.S., University of Missouri	Agricultural Economics	*Chillicothe, Mo.*
Armbruster, John L. B.A., Wabash College	Medicine	*Milwaukee*
Arthur, Walter M.S., Massachusetts Institute of Technology	Chemistry	*Reeds, Mo.*
Ash, Henry Lee B.A., Salem College	History	*Wilbur, W. Va.*
Ayres, Gilbert Haven B.A., Taylor University	Chemistry	*Upland, Ind.*
Babb, Lawrence M.A., University of Wisconsin	English	*Madison*
Backus, Merton Llewellyn B.A., University of Wisconsin	English	*Madison*
Baernstein, Harry Daniel M.S., University of Wisconsin	Physiological Chemistry	*Madison*
Bailey, Charles Frederick B.S., University of Illinois	Chemistry	*Springfield, Ill.*
Bailey, Martha Lois B.A., Monmouth College	French	*Atlantic, Iowa*
Baker, Elizabeth B.A., University of Wisconsin	English	*Evansville*
Baker, Irene Elizabeth B.A., Goucher College	History	*Edgemont, Md.*
Baker, Oscar Roland (SE) B.S., University of Wisconsin	Economics	*St. Croix Falls*
Baldwin, Merle Mary B.A., University of Wisconsin	Latin	*Madison*
Bane, Geneva Mae B.S., University of Illinois	Sociology	*Pontiac, Ill.*
Banfield, Walter Miller B.S., Rutgers College	Plant Pathology	*Little Falls, N. J.*
Banker, Louis Curtis (SE) PhB., University of Wisconsin	Education	*Elroy*
Barker, Russell Harold B.S., Northwestern University	English	*Evanston, Ill.*

Barnes, John M.A., Northwestern University	Speech	*Madison*
Barnes, Virgil Everett M.S., State College of Washington	Geology	*Chehalis, Wash.*
Barr, Arvil Sylvester (SE) M.A., Indiana University	Education	*Madison*
Barry, Alfred Glen M.A., University of Wisconsin	Sociology	*Madison*
Bartlett, Helen Gertrude (SE) B.A., Western College	Physical Education	*Fairbury, Ill.*
Barton, John Rector B.D., Yale Divinity School	Sociology	*Du Quoin, Ill.*
Bassett, Gladys Barton (SE) B.A., Vassar College	Physical Education	*Baltimore, Md.*
Baugh, Russell Hugh M.A., University of Wisconsin	Economics	*Miami, Okla.*
Bayla, Arsenio M. B.A., University of the Philippines	Agricultural Economics	*Silang, Cavite, P. I.*
Beams, Harold William M.A., Northwestern University	Zoology	*Belle Plaine, Kans.*
Beard, Marshall Rust B.A., Marion College	History	*Marion, Ind.*
Becker, Harry Lawrence (SE) B.S., University of Wisconsin	Agricultural Education	*Galesville*
Behnke, John Alden B.A., University of Wisconsin	English	*Appleton*
Belcher, Ruth Manson M.S., Simmons College	Sociology	*Newton Centre, Mass.*
Bell, Earl H. B.A., Iowa State Teachers College	Sociology	*Madison*
Bell, Earl Ross B.A., University of Wisconsin	Physics	*Madison*
Belsky, Mary B.A., University of Wisconsin	History	*Antigo*
Belzecki, Stanislaw B.A., Tufts College	Economics	*Warsaw, Poland*
Bennett, Doris Louise M.A., University of Wisconsin	Romance Languages	*Madison*
Bennett, Virginia Hight (SE) B.A., University of Wisconsin	English	*Madison*
Bergheger, Myrna Ph.B., University of Wisconsin	Political Science	*Madison*
Bergstresser, John Lot B.A., University of Wisconsin	Economics	*Madison*
Bergren, Ernest Leonard B.S., Stout Institute	Industrial Education	*Menomonie*
Beth, Elmer Frederick B.A., University of Wisconsin	Journalism	*Two Rivers*
Bettinger, Edith Wengel B.S., University of Wisconsin	Home Economics	*Madison*
Beyer, Gertrude Margaret B.A., University of Wisconsin	History	*Madison*
Bienfang, Ralph David M.S., University of Wisconsin	Pharmacognosy	*Jefferson*
Bilstad, Gwendolyn Warne B.A., University of Wisconsin	History	*Cambridge*
Bilstad, Nellie Mae B.A., University of Wisconsin	Zoology	*Cambridge*
Bird, Lois May Marie B.A., Lawrence College	English	*Fennimore*

Birner, Jessie Cameron B.S., University of Wisconsin	Home Economics	*Kenosha*
Black, Charles S. M.A., University of Virginia	Chemistry	*Wake Forest, N. C.*
Blanco, Simon B.S., Valparaiso University	Pharmacy	*Meycanayan, P. I.*
Blein, Francoise Juliette Albertine B.A., University of Chattanooga	English	*Paris, France*
Blough, Carman George M.A., University of Wisconsin	Economics	*Madison*
Bogholt, Carl M. B.S., Massachusetts Agricultural College	Philosophy	*Madison*
Bolleger, Lydia Aurelia B.A., University of Wisconsin	English	*Madison*
Bolyard, Nelson Wayne M.S., Oklahoma Agricultural and Mechanical College	Organic Chemistry	*Madison*
Boning, William Jones B.A., University of Wisconsin	French	*Milwaukee*
Borge, Aagot, M.K. (SE) B.M., University of Wisconsin	Education	*Madison*
Boschini, Augusta Caroline M.A., Columbia University	Italian	*New York, N. Y.*
Bostock, Hugh Samuel M.S.. McGill University	Geology	*Monte Creek, B. C., Canada*
Boyce, Fannie Wilson B.A., Penn College	Mathematics	*University Park, Iowa*
Braatz, Chester B.S., University of Wisconsin	Steam and Gas Engineering	*Green Bay*
Bradley, Emmett M.A., University of Kentucky	English	*Lexington, Ky.*
Bradley, Eugene Ferring B.A., University of Wisconsin	Romance Languages	*Dubuque, Iowa*
Brandeis, Elizabeth M.A., University of Wisconsin	Economics	*Madison*
Brandel, Mary Margaret B.A., University of Wisconsin	Journalism	*Randolph*
Bratt, Elmer Clark M.A., Nebraska University	Economics	*Arapahoe, Nebr.*
Brehmer, Robert George M.A., University of Wisconsin	Economics	*Fond du Lac*
Breitenbach, Janet Mary B.M., University of Wisconsin		*Madison*
Brennan, Elsie May M.A., University of Wisconsin	Classics	*Lancaster*
Briscoe, John D'Auby B.S., University of Michigan	English	*Madison*
Broderick, Aubrey Ernest M.S., University of Wisconsin	Organic Chemistry	*Liberty, Ill.*
Brouse, Don Ch.E., Purdue University	Chemical Engineering	*Kendallville, Ind.*
Brown, Arthur George B.S., Macalester College	Education	*Menomonie*
Brown, Benjamin Arthur B.S., Connecticut Agricultural College	Botany	*Storrs, Conn.*
Brown, Donna Beatrice B.A., Milton College	English	*Waterloo*
Brown, George Middleton M.S., University of Leeds	Mathematics	*Leeds, England*
Brown, Gwendolyn B.A., Lawrence College	English	*Madison*

Brown, Helen Bullard B.A., University of New Mexico	Spanish	*St. Joseph, Mo.*
Browning, Bertie Lee M.S., University of Missouri	Chemistry	*Montrose, Mo.*
Brownlee, Mildred M.A., University of Wisconsin	English	*Salina, Kans.*
Bruns, Lydia Irma B.A., University of Wisconsin	Sociology	*Madison*
Bryan, George Plumer B.A., Princeton	Economics	*Philadelphia, Pa.*
Bubolz, Anna Agnes B.A., University of Wisconsin	Bacteriology	*Seymour*
Buenzli, Mrs. Louise Maureaux (SE) B.S., University of Wisconsin	Education	*Madison*
Burk, Earl F. M.S., Iowa State College	Horticulture	*Madison*
Burke, Richard John (SE) Ph.M., University of Wisconsin	Education	*Madison*
Burnham, Charles Russel M.S., University of Wisconsin	Genetics	*Fort Atkinson*
Burton, Mrs. Helen Brown B.A., University of Wisconsin	History	*Madison*
Bush, Chilton Rowlette B.A., University of Wisconsin	Journalism	*Madison*
Bush, Maybell Grace (SE)	Education	*Malone, N. Y.*
Butler, Frank Arthur (SE) M.A., University of Wisconsin	Education	*Jacksonport*
Butler, Norbert Patrick B.A., St. Norbert's College	English	*West De Pere*
Butterfield, Hester Elizabeth B.A., University of Wisconsin	French	*Grand Rapids, Mich.*
Butts, Porter Freeman B.A., University of Wisconsin	Art History	*Madison*
Byard, Mary Frances B.A., University of Wisconsin	Psychology	*Warren, Ohio*
Byrns, Ruth Katherine (SE) B.A., University of Wisconsin	Education	*Madison*
Bywater, Thomas Lloyd B.S., University of Wales	Animal Husbandry	*Salop, England*
Caddock, Charles Thomas B.A., Wabash College	Romance Languages	*Newark, N. J.*
Calderwood, Ana Jule Ph.B., University of Chicago	Applied Arts	*Madison*
Calvert, William Clarke M.S., Akron University	Pharmacology	*Coral Gables, Fla.*
Caldwell, Morris Gilmore M.A., University of Wisconsin	Sociology	*Lodi*
Caldwell, Ralph Merrill M.S., University of Wisconsin	Botany and Plant Pathology	*Madison*
Caldwell, William Elmer Met.E., Montana School of Mines	Chemistry	*Madison*
Cape, Thomas Wilson M.A., University of Wisconsin	Sociology	*Madison*
Card, William Martin B.A., Nebraska University	English	*Lincoln, Nebr.*
Cardwell, Alvin Boyd M.S., University of Wisconsin	Physics	*Lenoir, Tenn.*
Carew, Alvin Dennis (SE) B.S., University of Wisconsin	Education	*Oregon*

Carlin, Opal Estella (SE) B.A., St. Mary of the Woods	English	*Tulsa, Okla.*
Carlson, Margery Claire Ph.D., University of Wisconsin	Botany	*La Salle, Ill.*
Carlson, Thorwald A. M.S., University of Wisconsin	Chemical Engineering	*Madison*
Carmichael, Gershom Narramore M.A., University of Illinois	Mathematics	*Madison*
Carr, Anna Myrtle M.A., State University of Iowa	Speech	*Ames, Iowa*
Carranza, Matilde B.A., Colegio de Senoritas, Costa Rica	Romance Languages	*San Jose, Costa Rica*
Carter, Harvey Lewis B.A., Wabash College	American History	*North Manchester, Ind.*
Carter, Warren Tuttle B.S., University of Wisconsin	Industrial Education	*Madison*
Cartter, Jackson Leaphart M.S., Iowa State College	Agronomy	*Billings, Mont.*
Cartwright, Ian J. B.A., Northland College	Chemistry	*Milwaukee*
Cary, Elizabeth Robinson M.A., University of Wisconsin	English	*Versailles, Ky.*
Case, Clarence Collier B.A., Albion College	Sociology	*Detroit, Mich.*
Casey, Ralph Droz M.A., University of Washington	Political Science	*Eugene, Ore.*
Caster, Jay Edward Ph.B., Wesleyan University	Psychology	*Madison*
Cavender, John Clinton B.A., De Pauw University	Physics	*Hobart, Ind.*
Chalfant, R. Jean B.A., University of Wisconsin	Zoology	*Baltimore, Md.*
Chalmers, William Ellison B.A., Brown University	Economics	*Madison*
Chamberlain, Essie M.A., University of Chicago	English	*Oak Park, Ill.*
Chamberlain, Lester Smith (SE) B.A., Albion College	Education	*Madison*
Chao, Shih Shon B.S., University of Wisconsin	Pharmacy	*Canton, China*
Chu, William Hsi Liang B.A., Peking University	Psychology	*Kiangsi, China*
Cilley, Melissa Annis M.A., University of Wisconsin	Romance Languages	*Colebrook, N. H.*
Clapp, Claud Clarence M.A., University of Missouri	Philosophy	*Madison*
Clark, Catherine (SE) B.S., University of Wisconsin	Education	*Wisconsin Rapids*
Clark, Louisa Lewis M.A., University of Chicago	Art History	*Honolulu, Hawaii*
Clark, Ralph W. B.S., University of Wisconsin	Pharmacy	*Madison*
Clark, William Noble B.S., University of Wisconsin	Agricultural Economics	*Madison*
Clarke, Helen Isabel M.A., University of Chicago	Sociology	*Madison*
Claus, Pearl Elizabeth M.A., University of Wisconsin	Zoology	*Madison*
Cleland, Avis Irene Ph.B., University of Wisconsin	Sociology	*Whitewater*

Closs, John O'Neill M.S., University of Wisconsin	Chemistry	*Madison*
Clow, Bertha Cochrane M.S., University of Wisconsin	Home Economics	*Oshkosh*
Cockefair, Edgar Agustus M.S., University of Missouri	Dairy Husbandry	*Madison*
Cockrell, Frank P. B.S., Northwestern University	Sociology	*Madison*
Coffman, Donald Drake B.S., University of Illinois	Organic Chemistry	*Madison*
Cole, Mrs. Minnie Bruins B.S.. University of Wisconsin	Home Economics	*Madison*
Cole, Wallace Allen M.S., University of Wisconsin	Chemistry	*Madison*
Collier, Gladys Louise B.A., Rockford College		*Rockford, Ill.*
Comish, Newel Howland M.S., University of Wisconsin	Agricultural Economics	*Cowallis, Ore.*
Commons, John Alvin B.A., University of Wisconsin	Agricultural Economics	*Madison*
Conwell, Edward Lee M.A., Columbia University	English	*Lynchburg, Tenn.*
Cook, Hulet H. Ph.B., Emory University	Romance Languages	*Palmetto, Ga.*
Cooper, George Olds M.A.. University of Wisconsin	Botany	*Evanston, Ill.*
Coruthers, John Milton B.S., Hampton Institute	Dairy Husbandry	*Scotlandville, La.*
Costigan, Giovanni D. George B.A.. Oxford University	History	*Kingston-on-Thames, England*
Cotton, Juliana Maria Sophia M.A.. University of Wisconsin	History	*London, England*
Coutu, H. J. Walter B.A., University of Wisconsin	Sociology	*Madison*
Covert, Marjorie Anna M.A., University of Wisconsin	Romance Languages	*Albany, Mo.*
Cox, Glen N. M.S., University of Iowa	Hydraulics	*Madison*
Craig, Homer Vincent B.A., University of Colorado	Mathematics	*Madison*
Cramer, Howard Irving B.S., University of Akron	Chemistry	*Cuyahoga Falls, Ohio*
Croft, Albert Ernest B.A., Carroll College	Sociology	*Madison*
Crowley, Daniel Joseph (SE) B.S., Columbia University	Industrial Education	*Bowling Green, O.*
Crowley, Regina Catherine (SE) B.A., University of Wisconsin	Education	*Madison*
Croy, H. G. B.A., Iowa State Teachers College	Botany	*Pierson, Iowa*
Crozier, Ronald Gilpin B.S., Belit College	Chemistry	*Madison*
Culter, Samuel Harold B.S., Ohio State University	Pharmacy	*Ripley, Ohio*
Cumming, Janet Mary (SE) B.S.. University of Wisconsin	Physical Education	*Milwaukee*
Cummings, Sabina Mary B.A., University of Wisconsin	Zoology	*Madison*
Cummins, John Edward B.S., University of West Australia	Chemistry	*Perth, Australia*

Daggett, Clay Justin (SE) M.A., American University	Education	*Madison*
Dahl, Arnold Sixten M.S., University of Wisconsin	Plant Pathology	*Superior*
Dahlberg, Arthur Olaus M.A., University of Wisconsin	Economics	*Madison*
Dahlberg, Frank Iver B.S., Texas Agricultural and Mechanical College	Animal Husbandry	*Taylor, Texas*
Dalzell, Clyde Dural M.A., Occidental College	Speech	*Pasedena, Calif.*
Dancer, Clarence Wayne M.A., Ohio State University	Mathematics	*Madison*
Daniel, Maggie Browne B.A., Wiley College	English	*Marshall, Texas*
Daniels, Arthur Trueman (SE) B.A., University of Wisconsin	History	*Madison*
David, Pedro M.S., University of the Philippines	Agronomy	*Madison*
Davis, Milton Daland—M B.A., Milton College	Physiology	*Milton*
Davis, Myrl Nelson M.A., University of Wisconsin	Physics	*Milton*
Day, Marshall Mallory B.D., General Theological Seminary	Semitic Languages	*Nashotah*
Dedrick, Calvert L. B.A., University of Wisconsin	Sociology	*Madison*
Denison, Evelyn B.A., University of Minnesota	German	*Minneapolis, Minn.*
Dickinson, Clyde Grant M.S., University of Wisconsin	Geology	*Madison*
Dickson, Allan David B.S., University of Wisconsin	Agricultural Chemistry	*Madison*
Dilton, John Henry B.A., Ripon College	Physics	*Ripon*
Dissinger, Ira Thorne Clement M.A., University of Michigan	English	*Sunbury, Pa.*
Dittmar, Harry Robert M.S., University of Wisconsin	Chemistry	*Fond du Lac*
Dixon, Esther Margaret M.A., University of Wisconsin	Romance Languages	*Madison*
Dixon, John (SE) B.A., University of Wisconsin	Education	*Madison*
Doan, Edward Newell B.A., Ohio Wesleyan University	Journalism	*Miamisburg, Ohio*
Dodge, Florence Adele M.A., University of Wisconsin		*Madison*
Doering, Waldemar B.A., Emmanuel Missionary College	German	*Milton Junction*
Dopp, Ernest M.A., University of Wisconsin	Botany	*Superior*
Doughty, Randall Hubert B.S., University of Maine	Forest Products	*Madison*
Dow, Hannah Isabel B.A., University of Wisconsin	Agricultural Bacteriology	*Milwaukee*
Draize, John Henry B.S., University of Wisconsin	Chemistry	*Madison*
Dudley, John Edward, Jr. B.S., University of Wisconsin	Economic Entomology	*Madison*
Duffee, Floyd W. B.S., Ohio State University	Mechanical Engineering	*Madison*

Dummer, Edwin Robert B.A., Concordia Seminary	German	*Milwaukee*
Dunham, David Hanon M.S., Purdue University	Agricultural Bacteriology	*West Lafayette, Ind.*
Durand, Loyal M.A., University of Wisconsin	Geography	*Milwaukee*
Duthey, Mabel V. (SE) B.S., University of Wisconsin	Chemistry	*Superior*
Dwyer, Carrie Louise M.A., University of Kentucky	English	*Madison*
Dynes, John Burton B.A., University of Wisconsin	Medicine	*Mount Carroll, Ill.*
Dynes, Lola Miriam B.S., University of Wisconsin	Home Economics	*Mount Carroll, Ill.*
Earls, Lester Thomas B.A., University of Wisconsin	Physics	*Dell Rapids, S. D.*
Easum, Chester Verne M.A., Oxford University	History	*Culver, Ind.*
Ebling, Walter Henry M.S., University of Wisconsin	Agricultural Economics	*Madison*
Eckels, Charles Kenyon M.A., University of Wisconsin	Physics	*Madison*
Edsall, Bessie E Ph.M., University of Wisconsin	History	*Madison*
Eggleston, George Konti M.A., University of Wisconsin	American History	*Dallas*
Egner, Chester Olai (L) B.A., St. Olaf College	Economics	*Stoughton*
Ehart, Guys John B.A., University of Chicago	Education	*Janesville*
Ela, Ellen B.A., University of Wisconsin	Economics	*Madison*
Elist, Ruth Forbes M.A., Columbia University	English	*New Haven, Conn.*
Ellis, Samuel Robert (SE) Ph.M., University of Wisconsin	Education	*Ripon*
Elmslie, Wallace Parker M.S., University of Wisconsin	Agricultural Chemistry	*Milwaukee*
Ely, Stephen Lee B.A., University of Wisconsin	Philosophy	*Davenport, Iowa*
Eminger, Elsie R. B.A., State University of Montana	Romance Languages	*Butte, Mont.*
Endres, Gregory Michael M.A., University of Wisconsin	Romance Languages	*Madison*
Erickson, Edgar L. B.A., University of Wisconsin	History	*Durand*
Erickson, Milton Hyland (M) B.A., University of Wisconsin	Medicine	*Madison*
Erickson, Robert M.S., University of Wisconsin		*Madison*
Ernst, Bernard Lawrence M.A., Columbia University	Romance Languages	*San Diego, Calif.*
Ervin, Velma Lucile (SE) Ph.B., St. Mary's College, Notre Dame	Education	*Decatur, Ind.*
Evans, Edward Humphrey B.A., Macalester College	History	*Oconomowoc*
Evans, Herbert Pulse M.S., University of Wisconsin	Mathematics	*Madison*
Evans, Jessie Theodora B.A., Trinity College	Bacteriology	*La Crosse*

Evans, Richard Irving B.S., Purdue University	Botany	*Fort Wayne, Ind.*
Ewbank, Henry Lee M.A., University of Michigan	Speech	*Madison*
Fajardo, Tranquilino Ganzon M.S.A., University of Idaho	Plant Pathology	*Philippine Islands*
Falls, Mary Leone B.S., Kansas State Teachers College	English	*Valley Falls, Kans.*
Fannin, Nina Catherine (SE) B.S., University of Wisconsin	Physical Education	*Phoenix, Ariz.*
Farwell, Phillip H. B.A., College of the Pacific	Economics	*Litchfield, Calif.*
Federer, Jacob Frank B.A., University of Wisconsin	Economics	*Sheboygan*
Fellows, Donald R. M.A., University of Wisconsin	Economics	*Madison*
Ferger, Wirth Fitch M.A., University of Wisconsin	Economics	*Madison*
Fevold, Harry Leonard M.S., University of Wisconsin	Chemistry	*Humboldt, Iowa*
Filson, G. W. M.A., University of Wisconsin	Chemistry	*Madison*
Finch, Alton Harold M.S., Iowa State University	Horticulture	*Madison*
Fischer, Alfred Herman M.S., Harvard University	Electrical Engineering	*Madison*
Fisher, Susie (SE) B.A., University of Wisconsin	Physical Education	*Houston, Texas*
Flint, Rebecca Punchard M.A., University of Wisconsin	Romance Languages	*Madison*
Flory, Virginia B.A., Bridgewater College	Political Science	*Bridgewater, Va.*
Fluke, Charles Lewis M.S., University of Wisconsin	Economic Entomology	*Madison*
Folts, David K. B.A., Occidental College	Chemistry	*Darien*
Foote, Perry Albert M.S., University of Wisconsin	Pharmacy	*Madison*
Fosbinder, Russel John M.S., University of Wisconsin	Chemistry	*Madison*
Francois, Emily Genevieve B.A., University of Wisconsin	Romance Languages	*Brooklyn*
Franklin, Mrs. Bertha Englund (SE) B.A., University of South Dakota	Education	*Madison*
Franseen, Clifford Carlton B.A., University of Wisconsin	Anatomy	*Frederic*
Fraser, Nettie May B.A., University of Kansas	German	*Rydal, Kans.*
Freeman, Maxwell M. M.A., University of Kentucky	English	*Burgin, Ky.*
Freeman, Theodore Burgess B.S., Cornell University	Products	*Maplewood, N. J.*
Frentzel, Herman C. M.E., Marquette University	Mining Engineering	*Milwaukee*
Friedman, Leo B.S., University of Maine	Chemistry	*Madison*
Friese, John Frank B.S., Bradley Institute	Industrial Education	*Madison*
Fritzsche, Kurt William B.S., Gueens University	Geology	*Montreal, Quebec*

Frost, Reuel Bryan B.A., University of Oklahoma	Geography	*Norman, Okla.*
Fruehan, August George M.S., University of Wisconsin	Chemistry	*Uniontown, Pa.*
Gaenslen, Eugene Charles B.S., University of Wisconsin	Physical Chemistry	*Cudahy*
Gaines, William Judson M.A., University of Wisconsin	Romance Languages	*Columbia, S. C.*
Gallagher, Kathryn Anne Ph.B., University of Wisconsin	Journalism	*Oconto Falls*
Ganfield, Dorothy Evelyn M.A., University of Wisconsin	History	*Waukesha*
Gannon, Elsie Kathryn B.A., University of Wisconsin	Zoology	*Mukwonago*
Ganoe, John Tilson M.A., University of Oregon	History	*Madison*
Garrison, Jesse James M.A., University of Michigan	Art History	*Hartford, Mich.*
Garver, Lysta LuEtta B.E., Illinois State Teachers College	Geography	*Mansfield, Ill.*
Garwood, Ruth Emma M.A., University of Wisconsin	Spanish	*Salem, Ohio*
Geer, Herbert Leroy M.S.A., University of West Virginia	Plant Pathology	*Three Rivers, Mass.*
Gebhardt, Hans B.A., University of Hohenheuer, Germany	Dairy Husbandry	*Tiengen, Germany*
Gilson, Earle Arthur B.S., Uinversity of Wisconsin	Astronomy	*Madison*
Gifford, Clarence Wesley (SE) M.A., University of Wisconsin	Education	*Madison*
Gilbert, Gretchen Louise B.S., Uinversity of Wisconsin	Medical Bacteriology	*Madison*
Gilchrist, Philippa Garth B.A., Agnes Scott College	Chemistry	*Courtland, Ala.*
Gillogly, Laurel Elaine (SE) B.A., University of Wisconsin	Education	*Madison*
Gilmore, Robert Ogden B.A., Brown University	Mathematics	*Providence, R. I.*
Glass, Charles Robert B.S., University of Wisconsin	Chemistry	*Milwaukee*
Gleerup, Grace A. B.A., University of Wisconsin	Education	*Madison*
Glover, Wilbur Hillman B.A., Milton College	History	*Madison*
Godfrey, Theodore Bruce M.A., University of Wisconsin	Physics	*Madison*
Goebel, Erwin Charles B.A., University of Wisconsin	Commerce	*Antigo*
Goedde, Lucille Ropiequet B.A., University of Wisconsin	Spanish	*East St. Louis, Ill.*
Goldsmith, Joseph Benjamin M.A., University of Oklahoma	Zoology	*Madison*
Goodgin, Ralph B.S., University of Wisconsin		*Madison*
Gordon, Edgar Stillwell B.A., Uinevrsity of Wisconsin	Physiological Chemistry	*Madison*
Gorman, Gladys Gertrude (SE) B.A., Wellesley College	Education	*Madison*
Gorilla, Claire Veronica (SE) B.S., St. Mary of the Woods	Mathematics	*Ironwood, Mich.*

Gossard, Atherton Clark B.S., Ohio State University	Horticulture	*Wooster, Ohio*
Gould, Esther Lee M.A., Arcadia University	Spanish	*Nova Scotia, Can.*
Grant, Claude Skaggs B.A., Milton College	Medicine	*Milton*
Gray, Wayne Twinem B.S., University of Nebraska	Agricultural Economics	*Clay Center, Nebr.*
Green, Frank Clayton (M) B.A., Milton College	Medicine	*Milton*
Greer, Barret A. M.A., University of Wisconsin	History	*Tarkio, Mo.*
Grether, George B.A., Mission House College	Semitic Languages	*Verona*
Griem, Walter Bert M.S., University of Wisconsin	Agricultural Chemistry	*New Holstein*
Griffing, Elizabeth Adeline B.S., University of Wisconsin	Agricultural Bacteriology	*Clark, S. Dak.*
Griggs, Charles Irvin M.A., University of Wisconsin	English	*Kansas City, Mo.*
Grossman, Wesley Earl B.S.A., Purdue University	Horticulture	*Evansville, Ind.*
Grotophorst, Minna B.A., University of Wisconsin	History	*Plain*
Grover, Minnie Marie B.E., Illinois State Normal University	English	*Bloomington, Ill.*
Grubb, Rena B.A., University of Wisconsin	English	*Stanley*
Guernsey, Seymour Claudius M.S., Iowa State College	Agricultural Economics	*Plano, Iowa*
Gullette, Cameron Charles M.A., University of Wisconsin	French	*Madison*
Gumbreck, Laurence G. B.A., University of Wisconsin	Zoology	*Madison*
Gunderson, Frank L. M.S., University of Wisconsin	Agricultural Chemistry	*Madison*
Gunderson, Helen Winkelman B.S., University of Wisconsin	Home Economics	*Madison*
Gunn, Evelyn Mary (SE) B.A., University of Wisconsin	Education	*Madison*
Gunter, Mary Lee B.A., University of Alabama	Economics	*Elba, Ala.*
Gurley, Catherine Pauline B.A., University of Oklahoma	Speech	*Blackwell, Okla.*
Guyer, Edwin Michael M.S., University of Wisconsin	Physics	*Madison*
Haas, Oscar Alfred B.S., University of Wisconsin	Mining Engineering	*Milwaukee*
Hadley, Edith Jane B.A., University of Wisconsin	English	*Janesville*
Hale, John Torval (SE) B.S., University of Wisconsin	Chemistry	*Madison*
Hamilton, James Morton B.S., University of Toronto	Plant Pathology	*Mount Albert, Ont., Can.*
Hamre, Christopher John (M) M.S., University of Wisconsin	Zoology	*Blue Earth, Minn.*
Hanawalt, Joseph Donald M.A., University of Wisconsin	Physics	*Akron, Ohio*
Haney, Hance Francis B.A., University of Wisconsin	Physiology	*Westfield*

Hanson, Arnold Edward (SE) Ph.B., University of Wisconsin	Education	*Madison*
Hanson, Lloyd Truman B.A., University of Wisconsin	Economics	*Deerfield*
Harris, Marion Reinoehl M.S., University of California	Plant Pathology	*Madison*
Harris, Robert Brice M.A., Vanderbilt University	English	*Madison*
Harrison, Carter Monroe M.S., University of Wisconsin	Agronomy	*Wilton*
Harrison, Kathleen B.A., Smith College	English	*Madison*
Harrison, Robert S. B.S., University of Wisconsin	Economics	*Madison*
Hart, James Henry M.A., University of Chicago	Philosophy	*Madison*
Hartung, Maurice Leslie M.A., University of Wisconsin	Mathematics	*Madison*
Hartwell, Henry Thomas B.S., University of Wisconsin	Hydraulic Engineering	*Madison*
Harvey, James Vernon M.A., University of North Carolina	Botany	*Clinton, Miss.*
Harwood, Arthur Albert M.S., University of Wisconsin	Pharmacy	*Potosi*
Hastie, Elizabeth Hunter (SE) B.A., Wellesley College	Education	*New York, N. Y.*
Hawkins, Louis Edward B.S., Oklahoma Agricultural and Mechanical College	Genetics	*Gracemount, Okla.*
Hawkins, Milner Haine B.S., University of Wisconsin	Geology	*Madison*
Hawkins, Ulista Alice B.A., University of Kansas	English	*Lamar, Mo.*
Haworth, Jane Sowash B.A., Westminster College	French	*Madison*
H'Doubler, Margaret Newell M.A., University of Wisconsin	Education	*Madison*
Heck, A. Floyd M.S., University of Illinois	Soils	*Pullman, Wash.*
Heidt, Lawrence Joseph B.A., University of Wisconsin	Chemistry	*Portage*
Heinrich, Herbert M.S., Marquette University	Chemistry	*Milwaukee*
Hellebrandt, Edwin Theodore M.S., University of Wisconsin	Economics	*Madison*
Henika, Franklin Sinclair B.S., University of California	Genetics	*Madison*
Henrich, Reuben G. M.S., University of Wisconsin	Inorganic Chemistry	*Milwaukee*
Henshaw, Paul Stewart M.S., University of Wisconsin	Zoology	*Winfield, Kans.*
Herriott, James Homer M.A., University of Kansas	Romance Languages	*Garden City, Kans.*
Herwick, Robert Port (M) B.S., Pennsylvania State College	Pharmacology and Toxicology	*Connellsville, Pa.*
Heubner, Bernhard P. (SE) M.A., University of Wisconsin	Education	*Madison*
Heuver, Eleanor Marian B.A., Rockford College	History	*Rockford, Ill.*
Heyerdahl, Carl Lewis B.A., Beloit College	Political Science	*Beloit*

Hibbard, Carlisle V. B.S., University of Wisconsin	Sociology	*Madison*
Hickman, Russell Kenneth B.A., University of Indiana	History	*La Porte, Ind.*
Hiestand, William Andrew B.A., University of Wisconsin	Zoology	*Madison*
Higley, Ruth Isabella (SE) B.A., University of Wisconsin	Education	*Youngstown, Ohio*
Hilton, Ora A. Ph.M., University of Wisconsin	History	*Madison*
Hintze, A. Laura M.A., University of Wisconsin	Zoology	*St. Louis, Mo.*
Hippaka, Thomas August (SE) B.S., University of Wisconsin	Industrial Education	*Madison*
Hobbs. Samuel Huntington M.A., University of North Carolina	Economics	*Chapel Hill, N. C.*
Hocking, Elton Capper M.A., Universit yof Wisconsin	Romance Languages	*Madison*
Hofferbert, Norma Linda (SE) Ph.B., University of Wisconsin	Education	*Pekin, Ill.*
Hoffman, Vera Marguerite B.A., Ripon College	Zoology	*Ripon*
Hofland, Synneva Emma (SE) B.A., St. Olaf College	Physical Education	*Stoughton*
Holford, Frances Elizabeth M.A., University of Wisconsin	Medical Bacteriology	*Cassville*
Holinagel, Elizabeth June (SE) B.A., University of Wisconsin	Political Science	*Chicago, Ill.*
Holloway, William Vernon B.A., Southwestern University	Political Science	*Waco, Texas*
Holmes, F. Lincoln Duane M.A., University of Wisconsin	Speech	*Madison*
Holmes, Laura Vanlderstein Ph.B., University of Chicago	Home Economics	*Glace Bay, Novia Scotia*
Holt, M. Leslie B.A., St. Olaf College	Chemistry	*Ellsworth, Iowa*
Homewood, Robert Thomas B.S., University of Wisconsin	Sanitary and Hydraulic Engineering	*Madison*
Honey, Edwin Earl M.S., University of Illinois	Botany	*Ithaca, N. Y.*
Hood, Marion Winifred B.A., Carroll College	Bacteriology	*Madison*
Hopkins, Edwin William B.S., University of Wisconsin	Agricultural Bacteriology	*Randolph*
Hopkins, Fannie B.A., Franklin College	Mathematics	*Madison*
Hoppe, Paul E. B.S., University of Wisconsin	Plant Pathology	*Madison*
Houser, Jeanette E. B.A., University of Wisconsin	Nursing	*Milwaukee*
Howson, Emily Elizabeth M.A., Bryn Mawr College	Physics	*Philadelphia, Pa.*
Hrubesky, Clarence E. M.S., University of Wisconsin	Chemistry	*Menasha*
Hu, Tun Yuan B.A., University of Wisconsin	Political Science	*Hangchow, China*
Huebner, Erwin Otto M.S., University of Wisconsin	Chemistry	*Madison*
Huff. Richard Sherman B.S., Dartmouth College	Political Science	*Kennebunk, Maine*

Hughes, W. Arthur B.S., University of Wisconsin	Industrial Education	*West Allis*
Hull, Harold Haight M.S., University of Wisconsin	Soils	*Madison*
Hurd, Loren Curtis M.A., University of Wisconsin	Chemistry	*Madison, Minn.*
Ireland, Edward J. B.A., University of Wisconsin	Pharmacy	*Madison*
Iversen, Lothar Iver B.A., University of Wisconsin	Commerce	*New Holstein*
Jacques, Ruth Thomas B.A., Carroll College	Speech	*Madison*
Jefferson, Cecil H. B.S., Iowa State College	Agricultural Engineering	*Madison*
Jeffris, Ruth Barbara B.A., Vassar College	History	*Janesville*
Jenkins, Ruth Iles M.A., University of Illinois	English	*Madison*
Jennings, J. Ward B.A., Southwestern College	Chemistry	*Winfield, Knas.*
Jenschke, Marie L. B.Hum., University of Chile	Spanish	*Madison*
Jenson, Clara Agnes M.A., University of Wisconsin	German	*Madison*
Johnson, George Carl B.A., University of Wisconsin	English	*Madison*
Johnson, George Olaf B.A., Milton College	Chemistry	*Port Wing*
Johnson, Nelson Harold B.A., Ripon College	Physics	*Caledonia*
Johnston, Archibald Anderson M.A., Princeton University	Sociology	*Wooster, Ohio*
Jones, Lee Francis (SE) B.E., State Teacher's College, Platteville, Wis.	Education	*Platteville*
Jones, Roy Howell B.S., Lawrence College		*Madison*
Jordan, Glenn Monroe B.A., Carleton College	Sociology	*Westbrook, Minn.*
Joslyn, Jean B.A., Mount Holyoke College	Speech	*River Forest, Ill.*
Judd, Roy C. M.S., University of Wisconsin	Chemistry	*Madison*
Judson, James Edward M.S., University of Wisconsin	Botany	*Bristol, Ind.*
Jure, Albert Edward B.A.Sc., University of British Columbia	Geology	*Kimberleg, B. C., Can.*
Kaiser, Norton Ralph (SE) Ph.B., University of Wisconsin	Education	*Adell*
Karakiz, S. Michael B.S., Lewis Institute	Structural Engineering	*Chicago, Ill.*
Kastler, Norman Montagne B.A., University of Wisconsin	Sociology	*Racine*
Katz, Samuel David (M) B.S., University of Wisconsin	Medicine	*Marinette*
Kay, Lorin Lester (G) B.A., Ripon College	Public Utilities	*Milwaukee*
Keay, Edythe Leonard B.A., University of Wisconsin	History and Criticism of Art	*Clifton Heights, Pa.*
Keenan, Margaret (M) B.A., University of Wisconsin	Medicine	*Madison*

Kehr, Edwin Frank (M) M.A., University of Wisconsin	Pharmacology	*Watertown*
Keller, Marvel Ph.B., University of Wisconsin	Economics	*Prairie du Sac*
Kelley, John Albert M.A., University of Wisconsin	German	*Manitowoc*
Kelly, Alice A. (W) B.A., Syracuse University	English	*Syracuse, N. Y.*
Kendall, Dorotha Helen B.A., Baker University	History	*Denver, Colo.*
Kennamer, Lorrin Ganfield M.A., Peabody College	Geography	*Abilene, Texas*
Kennedy, Lou M.A., Leland Stanford University	Speech	*Eldora, Iowa*
Kepfer, Raymond J. B.A., De Pauw University	Chemistry	*Idaville, Ind.*
Kessler, Lewis Hanford B.S., University of Wisconsin	Hydraulic and Sanitary Engineering	*Madison*
Kidwell, Kathro (SE) B.S., University of Nebraska	Physical Education	*Lincoln, Nebr.*
Kimpel, Ben F. B.A., University of Wisconsin	Philosophy	*Sturtevant*
Kiniery, Paul M.A., University of Wisconsin	History	*Footville*
Kinsey, Maurice Everett B.S., Oregon Agricultural College	Chemisry	*Hood River, Oregon*
Kirk, Grayson Louis M.A., Clark University	Political Science	*Philadelphia, Pa.*
Kittredge, Winifred Janette M.A., University of Wisconsin	English	*Nashua, N. H.*
Kivlin, Vincent Earl B.S., University of Wisconsin	Agricultural Education	*Madison*
Kjellgren, Lola Marguerite B.A., Rockford College	French	*Rockford, Ill.*
Kletzien, Seymour W. F. M.S., University of Wisconsin	Agricultural Chemistry	*New Holstein*
Kline, Homer Virgil B.A., Universit yof Wisconsin	Chemistry	*Sturtevant*
Klockow, Robert Frank B.S., University of Wisconsin	Chemistry	*Jefferson*
Knapp, Edwin John Ph.B., University of Wisconsin	Physics	*Madison*
Knoefel, Peter Klerner (M) B.A., University of Wisconsin	Pharmacology	*Terre Haute, Ind.*
Koch, Harold Carl William M.S., Oklahoma Agricultural and Mechanical College	Chemistry	*Fort Wayne, Ind.*
Koch, Norman F. B.S., University of Wisconsin	Metallurgy	*Milwaukee*
Koehler, Arthur B.S., University of Michigan	Forest Products	*Madison*
Kolb, Charlotte B.S., University of Minnesota	Home Economics	*Madison*
Koehler, Henry George (SE) B.S., University of Wisconsin	Education	*Ripon*
Kopp, W. Roy (L) Ph.B., University of Wisconsin	Law	*Platteville*
Krafft, E. T. Gertrude M.A., University of Washington	German	*Madison*
Krombholz, A. John M.S., University of Wisconsin	Chemical Engineering	*Milwaukee*

Krueger, David D. B.A., Ripon College	English	*Berlin*
Krueger, Hilmar Carl B.A., Northwestern College	History	*Milwaukee*
Krueger, Richard Edward B.S., University of Wisconsin	Hydraulic Engineering	*Horicon*
Krumholz, Louis Eugene (SE) B.A., University of Wisconsin	Education	*Arcadia*
Kubiak, Henry Joseph B.S., Drexel Institute	Electrical Engineering	*Philadelphia, Pa.*
Kubly, Harold Edward B.A., University of Wisconsin	Philosophy	*Madison*
Kubosch, Frank B.S., University of Wisconsin		*Milwaukee*
Kurth, Ervin Frank B.S., University of Wisconsin	Chemistry	*Milwaukee*
Kutz, Walter Monroe B.S., University of Alberta	Chemistry	*Edmonton, Alberta, Can.*
Laird, Frederick William M.S., University of Washington	Chemistry	*Victoria, B. C., Can.*
Laird, Harold Remington B.A., Unievrsity of Wisconsin	Physics	*Madison*
La Master, Duane Earl (SE) B.S., Knox College	Physical Education	*Fontana*
Lampman, Clifford Elmer B.S., University of Wisconsin	Genetics	*Madison*
Landman, Solomon B.A., University of Cincinnati	Sociology	*Madison*
Landow, Bernhard Ernst B.S., University of Rochester	Chemistry	*Rochester, N. Y.*
Landwehr, Edgar Albert B.S., University of Wisconsin	Railway Engineering	*Sheboygan*
Landwehr, Margaret E. M.A., University of Wisconsin	German	*Milwaukee*
Lane, Helen Marie B.A., College of New Rochelle	Spanish	*New Rochelle, N. Y.*
Lange, Eugene William (M) B.A., Universit yof Wisconsin	Anatomy	*Cedarburg*
Large, Ross L. M.A., University of Denver	Economics	*Longmont, Colo.*
Larson, G. Don Ph.B., University of Wisconsin	Economics	*Altoona*
Larson, Ludvig Conrad E.E., University of Minnesota	Electrical Engineering	*Madison*
Larson, Mabel Josephine B.S., University of Wisconsin	Home Economics	*Milwaukee*
Larson, Selmer Christopher (SE) M.A., University of Wisconsin	Education	*Madison*
Lathrop, Robert Eugene B.S., Carroll College	Chemistry	*Waukesha*
Laub, Carl Herbert M.A., University of Wisconsin	History	*Terre Haute, Ind.*
Lee, Hoon Koo M.S., Kansas State Agricultural College	Agricultural Economics	*Suchun, Korea*
Leiser, Frederick Oscar M.A., University of Wisconsin	Economics	*Madison*
Leith, Andrew M.A., University of Wisconsin	Geology	*Madison*
Leith, Miriam Arey B.S., University of Wisconsin	Applied Arts	*Madison*

Leonard, Samuel Leeson B.S., Rutgers University	Zoology	*Arlington, N. J.*
Lessig, Edward Thompson B.S., University of Pennsylvania	Chemistry	*Schuylkill Haven, Pa.*
Lillegard, George Oliver M.A., University of Chicago	Philosophy	*Madison*
Lindow, Carl Warning M.S., University of Wisconsin	Agricultural Chemistry	*Elkhorn*
Lindsay, Bertha Belle B.A., Sterling College	History	*Sterling, Kans.*
Lindsay, Ruth Hutchinson M.A., University of Wisconsin	Botany	*Nashotah*
Lindstrom, David Edgar B.S., University of Nebraska	Agricultural Economics	*Oxford, Nebr.*
Linner, Edward Robert B.S., University of Buffalo	Chemistry	*Buffalo, N. Y.*
Liu, Tung Chi B.A., University of Michigan	Political Science	*Peking, China*
Liu, William Tien-Chen M.A., University of Wisconsin	Economics	*Shantung, China*
Lockridge, Velma Edna B.S., Kansas State Agricultural College	Journalism	*Wakefield, Kans.*
Logan, Leibard Marion M.A., Columbia University	Economics	*Norman, Okla.*
Lorke, Margareta Graduate, University of Berlin	Sociology	*Frankfurt, Germany*
Lowe, Helen Prudence B.A., University of Wisconsin	French	*Madison*
Lowsma, Henry M.S., Massachusetts Agricultural College	Agricultural Chemistry	*Zeeland, Mich.*
Lugg, Joseph Henry B.A., University of Wisconsin	Botany	*Whitewater*
Lyte, Herbert O. M.A., Columbia University	German	*Madison*
McCanse, Ralph Alan M.A., University of Missouri	English	*Springfield, Mo.*
McClanahan, Carolyn Palmer (SE) B.S., Peabody College	Physical Education	*Jackson, Tenn.*
McClendon, Robert Earl M.A., University of Texas	History	*Canyon, Texas*
McCordic, Almer Sheridan B.A., University of Wisconsin	History	*Madison*
MacCorquodale, Donald William M.S., University of Wisconsin	Chemistry	*Chicago, Ill.*
McCoy, Elizabeth Florence M.S., University of Wisconsin	Agricultural Bacteriology	*Madison*
McCrea, Ruth B.A., University of Indiana	English	*Patoka, Ind.*
McCubbin, Robert John M.S., University of Wisconsin	Organic Chemistry	*Milton Junction*
McCusker, Ruth B.A., Eureka College	English	*Sullivan, Ill.*
MacInnis, Earl Carlyle M.A., University of Wisconsin	Education	*Jefferson*
McGinnis, Charles English B.S., University of Wisconsin	Industrial Education	*Kansas City, Mo.*
McKelvey, Ralph Fairchild B.A., Williams College	Political Science	*Suffern, N. Y.*
McKenzie, Marion Jane B.S., Northwestern University	History	*Esmond, Ill.*

MacLean, James Donald M.S., University of Wisconsin	English	*Madison*
McManamy, Inez Mary (SE) B.A., University of Wisconsin	Psychology and Education	*Madison*
McMullen, Katherine Way M.A., Northwestern University	English	*Evanston, Ill.*
McWilliams, Thelma Loretta M.S., University of Wisconsin	Botany	*West Lafayette, Ind.*
Macaraig, Serafin Egimdio M.A., University of Chicago	Sociology	*Manila, P. I.*
Mackay, Scott M.S., University of Wisconsin	Metallurgy	*Madison*
Mackin, John Christopher B.A., University of Wisconsin	Chemistry	*Madison*
Madson, Willard N. M.S., University of Wisconsin	Chemistry	*Canton, Minn.*
Magaro, Nicholas A. B.A., University of Wisconsin	Spanish	*Kenosha*
Mallery, Thomas Dwight B.A., Oregon Agricultural College	Botany	*Madison*
Malone, Nina Smith M.A., University of Wisconsin	Romance Languages	*Madison*
Manresa, Miguel D.V.M., University of the Phillippines	Genetics	*Los Banos, P. I.*
Mansfield, Harriet Louise M.S., University of Wisconsin	Agricultural Bacteriology	*Madison*
Maple, Beatrice B.A., University of Oklahoma	History	*Norman, Okla.*
Maresh, Frank B.S., University of Wisconsin	Chemistry	*Carrollville*
Marks, Beatrice Leonora (SE) B.S., University of Wisconsin	Physical Education	*Milwaukee*
Marquart, Philip Butler (M) M.A., University of Wisconsin	Anatomy	*Milton Junction*
Marquis, Ralph William B.A., University of Wisconsin	Economics	*Bellingham, Wash.*
Marten, Eldor A. M.S., University of Washington	Agricultural Chemistry	*Oshkosh*
Marten, Eldor A. M.S., University of Wisconsin	Agricultural Chemistry	*Oshkosh*
Martin, Miles J. M.S., University of Wisconsin	Physics	*Madison*
Martin, Steven John B.A., University of Wisconsin	Zoology	*Linden, N. J.*
Marvin, George Eugene M.S., University of Wisconsin	Economic Entomology	*West Allis*
Mason, John Brown M.A., University of Wisconsin	Political Science	*Indianapolis, Ind.*
Matlack, Marion Brooks M.S., George Washington University	Pharmacy	*Sorrento, Fla.*
Mattern, Grace Hortense B.A., DePauw	Sociology	*Plainfield, Ind.*
Matthias, Lynn H. B.S., University of Wisconsin	Physics	*Antigo*
Mehringer, Walter Raymond (SE) B.A., Indiana State Normal	Education	*Terre Haute, Ind.*
Mendel, Ruth L. B.A., College of Emporia	Latin	*Emporia, Kans.*
Mercier, Germaine M.A., University of Washington	Romance Languages	*Madison*

Merica, Ewart Lytton B.A., University of Wisconsin	Political Science	*Rensselaer, Ind.*
Metcalf, Harold Harris (SE) B.A., University of Wisconsin	Education	*Madison*
Mettenet, Jeanne M.A., University of Wisconsin	French	*Madison*
Meyer, Adeline J. LL.B., University of Wisconsin	Economics	*Madison*
Meyer, Roland Kenneth B.A., Milton College	Zoology	*Madison*
Michels, Albert B.A., University of Michigan	Comparative Literature	*Lansing, Mich.*
Midgley, Alvin Rees M.S., Utah Agricultural College	Agronomy and Soils	*Salt Lake City, Utah*
Midthun, Martin Adolph B.A., Saint Olaf College	Education	*Nelson*
Millar, Harriet Louise B.A., University of Wisconsin		*Madison*
Miller, Burton Frank B.S., University of Wisconsin	Physics	*Coloma*
Miller, Earl (SE) B.A., Indiana State Normal	Education	*Cory, Ind.*
Miller, Evalyn Willard (SE) B.A., College of Puget Sound	English	*Tacoma, Wash.*
Miller, Evelyn Lucretia B.A., Beaver College	English	*Mount Pleasant, Pa.*
Miller, Merna Mildred Ph.B., Ripon College	Biology	*Mauston*
Miller, Taylor Calvin M.C.S., Washington University	Economics	*Madison*
Mitchell, John B.S., University of Saskatchewan	Soils	*Saskatoon, Sask., Can.*
Mitchell, William Roy (SE) Ph.M., University of Wisconsin	Education	*Madison*
Mock, James Robert B.A., De Pauw University	History	*Marion, Ind.*
Moe, Leonard A (SE) BA.A., Luther College	Education	*Decorah, Ia.*
Morgendorff, Nico M.S., University of New Jersey	Plant Pathology	*Madison*
Mohme, Fred Stephen M.A., University of Illinois	Geography	*Elkhart Lake*
Monk, Vivian M.A., University of North Carolina	English	*Cherokee, Ala.*
Monsted, Beatrice Olivia (SE) B.A., University of Wisconsin	Education	*New London*
Montgomery, Mollie M.A., University of Texas	Speech	*Kaufman, Texas*
Mora, Manuela de Normal School, Spain	Romance Languages	*Huelva, Spain*
Morey, Ruth Edron B.A., Mount Holyoke College	History	*Pittsburgh, Pa.*
Morgan, Ellsworth Andrews M.A., University of Wisconsin	German	*Madison*
Morley, Clyde Anson (SE) M.A., University of Wisconsin	Education	*Madison*
Morrill, Lester M. (SE) Ph.B., University of Wisconsin	Education	*Milwaukee*
Morrison, Guy Everett M.A., University of Illinois	Economics	*Lebanon, Ind.*

Morrison, Joseph E. B.S., University of Chicago	Zoology	*Springfield, Ill.*
Morrison, Ralph Newton B.A., University of Wisconsin	Classics	*Greeley, Colo.*
Mortensen, Otto A. B.S., University of Wisconsin	Anatomy	*South Milwaukee*
Mosscrop, Alfreda (SE) B.A., Vassar College	Education	*Rochester, N. Y.*
Mott, Margaret Burling M.A., University of Wisconsin	Romance Languages	*Pittsburgh, Pa.*
Mueller, Amy F. M.A., University of Wisconsin	Geography	*Madison*
Mueller, Fred George Ph.M., University of Wisconsin	Psychology	*Madison*
Mueller, Helen Patricia B.A., University of Wisconsin	Mathematics	*Milwaukee*
Munger, Stella Constance M.S., University of Wisconsin	Home Economics	*Manhattan, Kans.*
Nafziger, Ralph Otto B.A., University of Wisconsin	Journalism	*Madison*
Naidl, George M. Ph.M., University of Wisconsin	Education	*Whitelaw*
Nast, Charlotte Georgia B.A., University of Wisconsin	Botany	*Mountain*
Naujoks, Herbert Hugh LL.B., University of Wisconsin	Political Science	*Cleveland, Ohio*
Naujoks, Waldemar B.S., University of Wisconsin	Mechanical Engineering	*Madison*
Neal, Ann M.A., University of Wisconsin	History	*Madison*
Neale, Edward (SE) B.H., University of Chile	Education	*Curico, Chile*
Neiswanger, Lilian Hughes (G) M.A., University of Wisconsin	Journalism	*Madison*
Neiswanger, William Addison (G) M.A., Columbia University	Economics	*Madison*
Nevins, Beatrice Irene Ph.M., University of Wisconsin	Botany	*Oshkosh*
Nichols, George W. B.A., University of Wisconsin	Chemistry	*Edgerton*
Nichols, James Burton M.S., University of Wisconsin	Chemistry	*Wilmington, Dela.*
Nicolai, Martha M.A., University of Wisconsin	German	*Madison*
Norris, Sara M.A., University of Wisconsin	Spanish	*Indianapolis, Ind.*
Nunemaker, John Horace M.A., Denison University	Spanish	*Madison*
Nunn, Mary L. B.A., University of Texas	English	*Milwaukee*
O'Brien, Gertrude M. Ph.B., University of Wisconsin	History	*Boscobel*
Ockerman, John William M.A., Lawrence College	Geology	*Madison*
O'Connell, Thomas Francis (SE) B.A., Northland College	Education	*Butternut*
O'Connor, Catherine Mary B.S., North Dakota Agricultural College	History	*North Fargo, N. Dak.*
Oesterle, Joseph Francis M.S., University of Wisconsin	Metallurgy	*Madison*

Ogden, William Butler B.S., University of Wisconsin	Plant Pathology	*Edgerton*
O'Kelley, Willie D. M.A., Teachers College, Columbia University	History	*Loganville, Ga.*
Oliver, Alfred W. B.S., Oregon Agricultural College	Animal Husbandry	*Corvallis, Ore.*
Oliver, George Peter B.A., University of Wisconsin	Political Science	*Galesville*
Oliver, Marion B.S., Oregon State College	Home Economics	*Madison*
Olli, Bennett, John Ph.M., University of Helsingfors	German	*Eureka, Ill.*
Olson, Kenneth E. B.A., University of Wisconsin	Journalism	*Madison*
Orth, Sylvia Louise B.A., University of Wisconsin	Physical Education	*Milwaukee*
Osterberg, Harold B.A., University of Wisconsin	Physics	Cambridge
Otis, Delos Sacket M.A., University of Wisconsin	History	*Cape Vincent, N. Y.*
Otis, Grant Lyman Ph.B., University of Wisconsin	Physics	*Madison*
Otterson, Henry O. M.S., University of Wisconsin	Agricultural Chemistry	*Madison*
Otterson, Joseph Orlando B.A., University of Wisconsin	History	*Madison*
Owen, Edgar Lyle B.A., Southwest Missouri Teachers College	Economics	*Branson*
Parish, Harry James Ph.B., University of Wisconsin	Economics	*Superior*
Patrick, La Vone M.A., University of Wisconsin	History	*Tuscola, Ill.*
Patterson, Frances (SE) B.A., University of Kansas	French	*Fredonia, Kans.*
Patterson, Helen M. M.A., University of Wisconsin	Journalism	*Madison*
Paul, Benson Howard M.F., Cornell University	Botany and Wood Technology	*Madison*
Paulson, Clara Olive M.A., University of Wisconsin	English	*Hollandale*
Payette, Charles Theodore B.A., Saint Thomas College	Romance Languages	*Madison, S. Dak.*
Payne, Wilfred M.S., University of Wisconsin	Philosophy	*Madison*
Pearson, Norma Lenys M.A., University of Wisconsin	Botany and Plant Pathology	*Madison*
Pegues, Boykin Witherspoon B.S., Louisiana State University	Hydraulic Engineering	*Baton Rouge, La.*
Peng, Chien M.S., University of Wisconsin	Soils	*China*
Person, Frances Brayton B.A., Lawrence College	Economics	*Madison*
Pescor, Michael James B.A., University of Wisconsin	Medicine	*Hibbing, Minn.*
Peters, Mrs. Josie Moseley B.S., Oklahoma Agricultural and Mechanical College	Hme Economics	*Madison*
Peterson, Clifford Ernest B.Engr., University of Minnesota	Forest Products	*Madison*
Peterson, James Howard B.A., Saint Olaf College	Chemistry	*Osseo*

Peterson, Viola Eleanora Ph.B., University of Wisconsin	History	*Geneva, Ill.*
Peterson, Wesley Rasmus M.S., University of Illinois	Organic Chemistry	*Madison*
Pfeiffer, George Joseph B.A., Ripon College	Chemistry	*Plymouth*
Phelan, Margaret Josephine B.A., University of Toronto	History	*Guelph, Ont., Can.*
Pieh, Addie Emma M.A., University of Wisconsin	Botany	*Madison*
Pilger, Martha B.A., Ripon College	German	*Ripon*
Pillow, Maxon Young B.S., University of Minnesota	Forest Products	*Madison*
Plato, Anna B.E., Illinois State Normal University	Geography	*Granite City, Ill.*
Pletta, Dan Henry B.S., University of Illinois	Structural Engineering	*Oak Park, Ill.*
Poindexter, Dorothy Paulina B.A., Butler University	English	*Indianapolis, Ind.*
Pois, Joseph M.A., University of Chicago	Political Science	*New York, N. Y.*
Pokras, Adolph B.S., University of Wisconsin	Mining Engineering	*Milwaukee*
Polk, Iris Lenora (SE) B.A., Park College	Physical Education	*Excelsior Springs, Mo.*
Polson, Robert Arnold B.S., University of Wisconsin	Agricultural Economics	*Montesano, Wash.*
Polt, Hugo Karl M.A., Syracuse University	German	*Tonawanda, N. Y.*
Pope, Margaret Isabel M.A., University of Wisconsin	English	*Pewaukee*
Powers, Mary Lorena (SE) B.A., University of Wisconsin	Education	*Mauston*
Powers, Rosetta (SE) B.A., University of Wisconsin	Education	*Mauston*
Pratt, Ruth Edith (SE) B.A., Iowa State Teachers College	Physical Education	*Madison*
Priest, Bernice B.A., Indiana University	History	*Marion, Ind.*
Pryor, Margaret M.A., University of Texas	Economics	*Madison*
Quimby, Oscar Taylor B.S., Montana State College	Chemistry	*Helena, Mont.*
Rae, Wilfrid John B.S.A., University of Manitoba	Genetics	*Winnipeg, Man., Can.*
Ragatz, Roland Andrew M.S., University of Wisconsin	Chemical Engineering	*Madison*
Rand, Wendell Phillips B.S., University of Wisconsin	Geology	*Bear Creek*
Rathbun, Harriett Isabel B.A., University of Wisconsin	Romance Language	*Mendota*
Rau, Gerald Albert (M) B.A., University of Wisconsin	Physiology	*Two Rivers*
Rawles, William Post M.A., Indiana University	Geology	*Bloomington, Ind.*
Ray, Ethel Beatrice B.S., Marquette University	Mathematics	*Windsor*
Rector, Edward Stanley B.S., University of Missouri	Economics	*Glenwood, Mo.*

Reilly, Ineva Frances B.A., University of Colorado	Botany	*Indianapolis, Ind.*
Reitz, Wilhelm (SE) B.A., Teacher's College, Euskirchen, Germany	Education	*Madison*
Rempel, David Gerhard B.A., Bluffton College	Political Science	*Langham, Sask., Can.*
Renard, Earl Joseph M.S., University of Wisconsin	Agronomy and Genetics	*Green Bay*
Reppen, Nels Oliver (SE) M.A., University of Wisconsin	Education	*Madison*
Ressmeyer, Emma Bertha (SE) Ph.B., University of Wisconsin	History	*Belleville*
Renne, Roland Roger B.S., Rutgers University	Agricultural Economics	*Bridgeton, N. J.*
Reynolds, May Statler M.S., University of Wisconsin	Physiological Chemistry	*Madison*
Reynolds, Robert Bethel M.S., University of Wisconsin	Chemistry	*Guntersville, Ala.*
Richards, Gragg Ph.D., Clark University	Geology and Geography	*New York, N. Y.*
Richards, Inez Jennette B.A., University of Wisconsin	English	*Ladysmith*
Rickett, Helen Margaret M.A., University of Wisconsin	English	*Madison*
Rieman, Gustav H. M.S., University of Wisconsin	Genetics	*Faribault, Minn.*
Riising, Blanche Marye B.S., University of Wisconsin	Agricultural Chemistry	*Madison*
Rimsky-Korsakoff, Vladimir N. B.S., University of Wisconsin	Zoology	*Madison*
Risk, Thomas M. Ph.M., University of Wisconsin	Education	*Vermillion, S. Dak.*
Roach, Dora Ingraham B.A., University of Wisconsin	Speech	*Madison*
Robbins, Roy Marvin M.A., University of Wisconsin	History	*Richmond, Ind.*
Robinson, Murrell Orton D.V.M., University of Pennsylvania	Dairy Husbandry	*Philadelphia, Pa.*
Robinson, Rex Julian M.A., University of Wisconsin	Chemistry	*Maxwell, Ind.*
Roche, Benjamin Hamilton M.S., University of Wisconsin	Animal Husbandry	*Madison*
Rockwood, Stanley Walker M.A., University of Chicago	Romance Languages	*Madison*
Rodolfo, Agustin M.S., University of Wisconsin	Genetics	*San Antonio, Zambales, P. I.*
Roe, Charles William B.S., Colorado State University	Economic Entomology	*Delta, Colo.*
Roe, Sigfred A. B.A., Saint Olaf College	English	*Stanley*
Rogers, Lotta Mae B.A., Albion College	Zoology	*Watervliet, Mich.*
Rogers, Winfield H. B.A., University of Michigan	English	*Grand Rapids, Mich.*
Rollefson, Ragnar M.A., University of Wisconsin	Physics	*Superior*
Rosa, Delaphine Grace Ph.B., University of Wisconsin	Agricultural Bacteriology	*Madison*
Rose, Reed Alden B.S., University of Wisconsin	Mechanical Engineering	*Madison*

Rosenheimer, Ralph M. B.A., University of Wisconsin	Economics	*Kewaskum*
Roth, William Edward M.A., University of Wisconsin	Mathematics	*Madison*
Rott, Carl Albert B.S., University of Wisconsin	Agricultural Journalism	*Wonewoc*
Rotter, Israel Irving (M) B.S., University of Wisconsin	Physiological Chemistry	*Milwaukee*
Rouse, Theodore Alton B.A., Cornell College	Physics	*New Hampton, Iowa*
Rowe, E. Romayne B.A., University of Wisconsin	Journalism	*Burlington*
Rowlee, Silence M.A., Cornell University	Botany	*Ithaca, N. Y.*
Rubel, Vere Laura B.A., University of Cincinnati	English	*Philadelphia, Pa.*
Rudie, Neil Hjalmer Ph.B., University of Wisconsin	Education	*Westby*
Ruehlman, Ralph Maynard (SE) Ph.B., Lawrence College	Education	*Sharon*
Rummel, Leo L. M.A., University of Wisconsin	History	*Madison*
Rupel, I. Walker M.S., University of Wisconsin	Animal Husbandry	*Madison*
Russell, Alice Josephine M.A., University of Michigan	English	*Ann Arbor, Mich.*
Russell, Margaret C. M.A., University of Wisconsin	English	*Madison*
Ruth, Elbert Bresee B.A., Indiana University	Zoology	*Indianapolis, Ind.*
Ruth, Signa Mary B.A., University of Wisconsin	Latin	*Superior*
Ryan, Marion Eva M.A., University of Wisconsin	English	*Madison*
Ryle, Walter Harrington M.A., Peabody College	History	*Yates*
St. Clair, Foster York M.A., Harvard University	English	*Wollaston, Mass.*
Sakamoto, Takao Imperial University of Tokyo	Geology	*Tokyo, Japan*
Saeks, Jeanne B.A., Hamlin University	English	*Dayton, Ohio*
Salisbury, Morse Henderson B.S., Kansas State Agricultural College	Journalism	*Madison*
Saltus, Charles N. M.A., University of Wisconsin	English	*Madison*
Salzberg, Harold Karl M.S., University of Illinois	Forest Products	*Madison*
Sanger, Ralph Grafton M.S., University of Chicago	Mathematics	*Oak Park, Ill.*
Sarazin, Florence Marie B.A., College Saint Scholastica		*Superior*
Sasman, Louis Milton (SE) M.S., University of Wisconsin	Education	*Madison*
Saunders, Benjamin Walker B.A., University of Wisconsin	English	*Madison*
Saunderson, George Clare B.A., University of Wisconsin	Agricultural Economics	*Evansville*
Saylor, Edythe E. (SE) B.A., University of Iowa	Physical Education	*Burlington, Iowa*

Sayre, H. Melville M.A., Ohio State University		*Madison*
Schacht, Franklin Ludwig B.S., Beloit College	Bacteriology	*Racine*
Schaars, Marvin Arnold M.S., University of Wisconsin	Agricultural Economics	*Madison*
Schaenzer, Joseph P. B.S., University of Wisconsin		*Portage*
Scharfe, Sigfreid Ph.D., University of Halle	Art History	*Halle, Germany*
Schenck, Willard J. B.A., University of Wisconsin		*Madison*
Scheuber, Lillian Margaret B.A., University of Wisconsin	Botany	*Milwaukee*
Schleuter, Gertrude Mathilda M.A., University of Wisconsin	German	*Madison*
Schmidt, Emerson P. M.A., University of Toronto	Economics	*Madison*
Schmidt, Gertrude B.A., Carleton College	Economics	*Northfield, Minn.*
Schneck, Erna Hulda B.A., University of South Dakota	German	*Milbank, S. Dak.*
Schoen, John Edmond B.S., Marquette University	Mining and Metallurgy	*Milwaukee*
Schrader, Glenn Allen M.S., Beloit College	Agricultural Chemistry	*Burlington*
Schreiber, Theodore B.A., University of Dubuque	German	*Bonn, Germany*
Schrenk, Helmuth H. M.S., University of Wisconsin	Chemistry	*Madison*
Schultz, Theodore William B.S., South Dakota State College	Agricultural Economics	*Hetland, S. Dak.*
Schuster, Edith E. B.A., University of Wisconsin	English	*Oregon*
Schuster, Eugene Birkenwald (M) B.A., University of Wisconsin	Medicine	*Milwaukee*
Schutkin, Meyer W. B.S., University of Wisconsin	Medicine	*Milwaukee*
Schwab, Mabel Lloyd M.A., University of Wisconsin	English	*Madison*
Schweitzer, Elizabeth Louise B.A., Goucher College	Romance Languages	*New Philadelphia, Ohio*
Schweizer, Florence Catherine B.A., University of Wisconsin	French	*La Crosse*
Schwingel, Christian Henry B.S., University of Wisconsin	Chemistry	*Madison*
Scott, Alebrt B. M.S., Northwestern University	Pharmacology	*Morgantown, W. Va.*
Scott, Almere Louise B.A., University of Wisconsin	Sociology	*Madison*
Scott, Harold Dean B.A., Ohio University	Psychology	*Newport, Ohio*
Scott, Henry T. M.S., University of Wisconsin	Agricultural Chemistry	*Poynette*
Searls, Edward M. B.S., University of Wisconsin	Entomology	*Madison*
Sears, George Roberson M.A., University of Wisconsin	Physics	*Madison*
Seed, Mary Jane B.A., DePauw University	Home Economics	*Lawrenceville, Ill.*

Selecman, Josephine B.A., Southern Methodist University	English	*Dallas, Texas*
Semb, Joseph B.S., University of Wisconsin	Chemistry	*Madison*
Senn, Pettus Holmes M.S., University of Wisconsin	Genetics	*Silverstreet, S. C.*
Shafer, Lydia Ziemann B.A., University of Wisconsin	Industrial Education	*Madison*
Shands, Ruebush George M.S., University of Wisconsin	Plant Pathology and Agronomy	*Ebenezer, N. C.*
Shanks, Elsie M.A., Radcliffe College	English	*Albany, N. Y.*
Shapiro, Herman H. B.A., University of Wisconsin	Medicine	*Madison*
Shapiro, Noah Norman B.A., University of Wisconsin	Zoology	*Madison*
Sharp, Marie Louise Barstow B.A., Smith College	History	*Madison*
Sharp, Robert Lathrop M.A., Harvard University	English	*Madison*
Shaw, Ruth Crittenden M.A., University of Illinois	Economics	*Waunakee*
Sheldon, Henry, Jr. M.A., University of Oregon	Sociology	*Eugene, Oregon*
Shelton, Margaret B.A., University of Wisconsin	English	*Rhinelander*
Sherman, Alma Nelle B.A., Knox College	Biology	*Maquon, Ill.*
Sherwood, Thomas Cecil B.A., University of Kentucky	Zoology	*Lexington, Ky.*
Shields, Clyde Morse Ph.B., University of Wisconsin	Geography	*Gays Mills*
Shih, Han-Fan B.A., University of Wisconsin	Economics	*Shen-si, China*
Shorna, Mary G. M.A., Columbia University	French	*La Crosse*
Shoup, Victor Glen B.A., Manchester College	History	*Middlebury, Ind.*
Showerman, Anita M. B.A., University of Wisconsin	Latin	*Madison*
Silver, Charles Eugene B.S., University of Wisconsin	Mining Engineering	*Milwaukee*
Silveus, Hilda B.A., Mount Holyoke	Political Science	*Pittsburgh, Pa.*
Silveus, Marian M.A., University of Wisconsin	History	*Pittsburgh, Pa.*
Simpson, Dorothy (SE) B.S., University of Wisconsin	Physical Education	*Fort Wayne, Ind.*
Sinclair, John George M.S., University of North Dakota	Anatomy	*Madison*
Sister Mary Elizabeth Englert M.A., Loyola University	Organic Chemistry	*New Orleans, La.*
Skinner, E. Ray B.S., Oklahoma Agricultural and Mechanical College	Speech	*Madison*
Skinner, John Taylor B.S., Western Kentucky Teachers College	Agricultural Chemistry	*Bowling Green, Ky.*
Skinner, Margaret Meron B.A., University of Wisconsin	English	*Madison*
Slocum, Percy Wilfrid B.A., University of Wisconsin	History	*Highland Park, Ill.*

Smith, Amy Hoyt (SE) M.A., University of Wisconsin	Education	*Madison*
Smith, Nina Grace B.A., Bucknell University	English	*Dawson, Pa.*
Sokolnikoff, Ivan Stephen B.S., University of Idaho	Mathematics	*Madison*
Soller, Theodore M.A., University of Wisconsin	Physics	*Youngstown, Ohio*
Sordahl, Louis O. B.A., Saint Olaf College	Physics	*Viroqua*
Sorden, Leland G. B.S., Iowa State College	Agricultural Economics	*Madison*
Sorum, C. Harvey Ph.D., University of Wisconsin	Chemistry	*Lanesboro, Minn.*
Spencer, Edward Pegues B.S., Clemon Agricultural and Mechanical College	Animal Husbandry	*McFarlan, N. C.*
Spencer, Evelyn Boyce B.A., University of Wisconsin	Horticulture	*Madison*
Spohn, Frances Adeline B.S., University of Wisconsin	Home Economics	*Madison*
Spoon, Margaret Helen B.A., University of Wisconsin	History	*Janesville*
Sprout, Harold Hance M.A., Oberlin College	Political Science	*Madison*
Staley, George Otto M.A., University of Wisconsin	History	*Waldo*
Staley, Ruth M.A., Wittenberg College	German	*Springfield, Ohio*
Stark, Henry M. M.S., University of Wisconsin	Chemistry	*Spanish Fork, Utah*
Staten, Francis A. M.A., University of Washington	Economics	*Madison*
Staten, Zeline H. B.A., University of Washington	English	*Madison*
Staudt, Catherine Margaret B.A., Indiana University	Romance Languages	*Elkhart, Ind.*
Stephenson, Clara Crockett M.A., University of Southern California		*Los Angeles, Calif.*
Stevenson, Ina Margaret B.S., University of Wisconsin	Home Economics	*Winnebago, Minn.*
Stillman, Rose Harmina B.A., Milton College		*Milton*
Stine, Thomas Young Ph.B., Carroll College	History	*Reedsburg*
Stitgen, Elizabeth Helen B.A., University of Wisconsin	English	*Madison*
Stolen, Lenore Romola B.A., University of Wisconsin	English	*Madison*
Story, Norah Cecilia M.A., University of Wisconsin	History	*Guelph, Ont., Can.*
Strange, Charles Roy D.V.M., Colorado Agricultural College	Veterinary Science	*Castle Rock, Colo.*
Stringfield, Glen Herbert M.S., Ohio State University	Genetics	*Rogers, Ark.*
Stroup, Philip Trimble M.A., Indiana University	Chemistry	*Bloomington, Ind.*
Struck, Louis Alfred (SE) Ph.B., University of Wisconsin	Education	*Madison*
Suckern, Lillie Emilia B.A., University of Wisconsin	Economics	*Manitowoc*

Sullengor, Thomas Earl M.A., University of Oklahoma	Sociology	*Omaha, Nebr.*
Sumner, William Allison B.S., Kansas State Agricultural College	Journalism	*Madison*
Sutherland, Elisabeth M.S., University of Wisconsin	Home Economics	*Hudson*
Suzuki, Gengo M.A., University of Wisconsin	Economics	*Gifukon, Japan*
Swan, Walter B. M.A., Indiana University	Economics	*Madison*
Swarner, J. Frank B.S., Kansas State Agricultural College	Electrical Engineering	*Madison*
Sylvestre, Paul Emile B.S., Montreal University	Animal Husbandry	*Berthierville, Quebec, Can.*
Takasaki, Tetsunosuke M.S., University of Wisconsin	Animal Husbandry	*Karafuto, Japan*
Tateossian, Adrienne M.A., University of Wisconsin	Education	*Constantinople, Turkey*
Taylor, Francis Henry Laskey M.S., University of Saskatchewan	Chemistry	*Madison*
Taylor, Sue M.A., University of Texas	English	*San Marcos, Texas*
Teats, Burt Arthur B.A., Oxford University	English	*Madison*
Terrill, Jennette Newland B.E., Western Illinois State Teachers' College	Chemistry	*Canton, Ill.*
Thauer, Marion Henrietta B.A., University of Wisconsin		*Watertown*
Thayer, James Russell M.S., University of Wisconsin	Chemistry	*Medina, Ohio*
Thayer, Harry Colter Ph.B., University of Chicago	Industrial Education	*Madison*
Theisen, Harold Joseph (M) B.A., University of Wisconsin	Medicine	*Slinger*
Thomas, Ralph W. B.A., Lawrence College	Chemistry	*Sherry*
Thomas, Royle Price M.S., Iowa State College	Soils	*Bedford, Ind.*
Thompson, Tahlulah Clouts B.A., Henry College	Economics	*La Crosse*
Thompson, Taylor T. B.A., Southwestern College	Sociology	*Madison*
Thomsen, Louis Charles B.S., University of Wisconsin	Dairy Husbandry	*Madison*
Thomson, Melvin Thelmer B.A., University of Wisconsin	Economics	*River Falls*
Thornbury, Ethel Margaret M.A., University of Wisconsin	English	*Madison*
Tilford, Paul Edward M.S., Ohio State University	Botany	*Wooster, Ohio*
Toenhart, Otto Eric M.S., University of Wisconsin	Chemistry	*Milwaukee*
Torgerson, Theodore L. (SE) Ph.M., University of Wisconsin	Education	*Madison*
Torres, Ruperto Cortes B.S., University of the Philippines	English	*Pampanga, P. I.*
Towell, Ruth Eken B.A., University of Wisconsin	Psychology	*Madison*
Tracy, Gordon Frederick M.S., Massachusetts Institute of Technology	Electrical Engineering	*Madison*

Treille, Marguerite M.A., University of Wisconsin	French	*Allier, France*
Tressler, Willis Lattanner B.A., University of Wisconsin	Zoology	*Madison*
Tripp, Dorothy Ruth (SE) B.A., Cornell College	Physical Education	*Belvidere, Ill.*
Trotter, Richard Adelbert B.S., University of Wisconsin	Mechanical Engineering	*Virginia, Minn.*
Troyer, Howard B.A., Earlham College	English	*La Grange, Ind.*
Tucker, Robert Hewitt (SE) M.A., University of Wisconsin	Education	*Madison*
Tufts, Kathrin Marie M.A., University of Wisconsin	Spanish	*Eau Claire*
Turrittin, Hugh Lonsdale B.S., University of Minnesota	Mathematics	*Minneapolis, Minn.*
Tustison, Francis Elwood (SE) B.S., Ohio Wesleyan University	Education	*Menomonie*
Tyre, Carl Allen B.A., Wabash College	Romance Languages	*Labanon, Ind.*
Tyrrell, Bess F. M.A., University of Wisconsin	Home Economics	*Madison*
Urban, Frank B.S., University of Wisconsin	Chemistry	*Sheboygan*
Vacek, Jaroslov University of Praha	Economics	*Plzen, Czechoslovakia*
Vacquier, Tatiana Ph.D., University of Wisconsin	French	*Madison*
Vacquier, Victor B.S., University of Wisconsin	Physics	*Madison*
Valentine, Elvin Laverne M.A., University of Wisconsin	History	*Madison*
Vance, Amos Milton M.A., University of Nebraska	Economics	*Lincoln, Nebr.*
Van Lone, Eldyn Everett M.S., University of Wisconsin	Genetics	*Jefferson*
Vass, John Isaac M.A., Northwestern University	Mathematics	*Madison*
Vaughan, Eloise Samson B.S., Simpson College	Home Economics	*Madison*
Vickers, James Leonard M.D., John Hopkins University	Physiology	*Madison*
Viljoen, Helen Gill M.A., University of California	English	*Madison*
Vincent, James Gelvin B.A., Lawrence College	Chemistry	*Cuba City*
Vivian, Irene I. B.A., University of Wisconsin	Music	*Madison*
Vogel, Thorn L. (M) B.S., University of Wisconsin	Medicine	*Milwaukee*
Waddell, Irene Boehm B.A., University of Wisconsin	Romance Languages	*Madison*
Wade, Bryan Lewellyn M.S., West Virginia University	Genetics	*Smithfield, W. Va.*
Waehler, Leonard A. (SE) M.A., University of Wisconsin	Economics	*Madison*
Waldeland, Conrad Raymond B.A., Saint Olaf College	Organic Chemistry	*Northfield, Minn.*
Walecka, John A. (SE) Ph.B., University of Wisconsin	Education	*Wauwatosa*

Walker, Egbert H. B.A., University of Michigan	Botany	*Berea, Ky.*
Wallace, Arthur Edward B.A., Ohio Weselyan University	History	*Kenosha*
Wallin, James Roy Ph.M., University of Wisconsin	Economics	*Maryville, Mo.*
Walters, Mary Jane Ph.B., University of Chicago	Speech	*Roxboro, N. C.*
Wang, Shih Fu M.A., University of Wisconsin	Political Science	*Peking, China*
Wang, Tsao Shih B.A., University of Wisconsin	Political Science	*Kiangsi, China*
Wann, Helen (SE) B.A., University of Oklahoma	Industrial Education	*Okmulgee, Okla.*
Warner, William Reece B.A., Marion College	History	*Madison*
Warren, Alice Farwell M.A., University of Wisconsin	History	*Weston, Mass.*
Wasserman, John Isidore B.A., University of Iowa	Political Science	*Madison*
Watson, Geneva Grace B.S., University of Chicago	Education	*Chicago, Ill.*
Watson, Kenneth M. M.S., University of Wisconsin	Chemical Engineering	*Madison*
Watts, Fred Grey M.A., Brown University	Sociology	*Shawnee, Okla.*
Webb, Julian H. M.S., University of Wisconsin	Physics	
Weber, Arthur G. B.A., University of Kansas	Chemistry	*St. Joseph, Mo.*
Webster, David Hume M.A., University of Wisconsin	Political Science	*Lincoln, Nebr.*
Weed, Alfred M.S., University of Wisconsin	Economic Entomology	*Madison*
Wehrwein, Carl Frederick B.S., University of Wisconsin	Economics	*Plymouth*
Weichert, Charles Kipp M.S., University of Wisconsin	Zoology	*Bloomfield, N. J.*
Weidman, John McIlvaine B.A., University of Oklahoma	History	*Norman, Okla.*
Wells, Herman B. M.A., Indiana University	Economics and Sociology	*Lebanon, Ind.*
Wendt, Kurt Frank B.S., University of Wisconsin	Mechanical Engineering	*Madison*
Wenninger, John P. M.A., Notre Dame University	German Philology	*Madison*
West, Donald Knilans B.A., University of Wisconsin	Chemistry	*Whitewater*
Westerberg, Oliver Decker B.S., Lewis Institute	Electrical Engineering	*Chicago, Ill.*
Western, Forrest M.A., University of Missouri		*Purdin, Mo.*
Westhofen, Charles R. B.A., University of Wisconsin	History	*Milwaukee*
Weston, Paul Edwin B.S., Pennsylvania State College	Chemistry	*Jamestown, N. Y.*
Wetmore, Francis Hastings B.S., Bradley Institute of Technology	Industrial Education	*Fredericton, N. B., Can.*
Wheeler, Clarence Oliver B.S., Wesleyan University	English	*Hammondsport, N. Y.*

Whereatt, Kenneth William B.S., University of Wisconsin	Dairy Husbandry	*Madison*
Whitaker, Lucy Jane B.A., University of Wisconsin	Latin	*Madison*
Whitcomb, Warren Jr. M.S., University of Wisconsin	Economic Entomology	*Bath, N. H.*
White, Alden W. B.A., University of Wisconsin	Economics	*Madison*
White, Milton Francis B.S., University of Wisconsin	Dairy Husbandry	*Madison*
White, Robert Clarke M.A., Harvard University	English	*Dorchester, Mass.*
Whitelaw, Neill Gordon B.A., Miami University	Physics	*De Soto, Kans.*
Whitford, Albert Edward B.A., Milton College	Physics	*Milton*
Whitsel, Lucy Adele M.A., University of Wisconsin	Classics	*Madison*
Wileden, Arthur Frederick M.S., University of Wisconsin	Agricultural Economics	*Pewaukee*
Willcoxen, Dorothy Clarice B.A., University of Illinois	French	*Madison*
Williams, Carol S. (SE) B.F.A., University of Nebraska	Education	*University Place, Nebr.*
Williams, Griffith Wynne M.Pd., Hartford School of Religious Education	Psychology	*Andover, Conn.*
Williams, Howell Jackson B.A., University of Wisconsin	Physics	*Chicago, Ill.*
Williams, John Glynne B.S., University of Wales	Agricultural Economics	*Widnes, Lancashire, England*
Williams, Stephen Arthur Ph.B., University of Wisconsin	Education	*Madison*
Williamson ,John Gee B.S., Clemson College	Agriculture	*Florence, S. C.*
Winchell, Alexander Vaughn (M) B.A., University of Wisconsin	Chemistry	*Madison*
Winchester, Genevieve Elizabeth B.A., University of Wisconsin	Music	*Madison*
Winden, Julius Ph.B., University of Wisconsin	History	*Wisconsin Rapids*
Winn, Besse Sara B.A., University of Wisconsin	History	*Milwaukee*
Winnie, Helen Salome B.A., University of Wisconsin		*Reedsburg*
Winslow, Earl Holden M.S., University of Wisconsin	Chemistry	*Westboro, Mass.*
Wirick, Alice Margaret B.S., University of Wisconsin	Agricultural Chemistry	*Madison*
Wiswall, Zilla Elizabeth (SE) B.A., University of Wisconsin	Education	*Madison*
Wolf, Lorelle Arthur M.A., University of Wisconsin	History	*Madison*
Wolf, Opal Marie M.A., University of Wisconsin	Zoology	*Madison*
Womack, Ennis Bryan M.A., Union University	Chemistry	*Jackson, Tenn.*
Woo, Hua Fuh B.S., Fuh Tau University	Civil Engineering	*Shanghai, China*
Wood, George Emery M.A., University of Wisconsin	Geography	*Madison*

Wood, Ralph Hereld M.A., University of Wisconsin	History	*Madison*
Wood, Viola Eunice B.A., University of Wisconsin	Economics	*Madison*
Woods, John Broughten B.S., University of Wisconsin	Entomology	*Madison*
Worthington, Asenath Drucilla B.A., Beloit College	History	*Beloit*
Worthington, Frank Steele B.A., University of Wisconsin	Journalism	*Sturtevant*
Wright, Stillman B.S., Beloit College	Zoology	*Berlin*
Wu, Chao-Fa B.A., University of Wisconsin	Zoology	*Honan, China*
Yang, Chieh C. B.A., University of Wisconsin	Agronomy	*Spechnen, China*
Young, Chun Chieh (SC) B.A., Southeastern University	Soils	*Chu-Cheng Hsien, Shanteng, China*
Young, Elaine Margaret M.S., University of South Africa	Botany	*Johannesburg, Transvaal, S. Africa*
Young, Robert Vivian (SE) M.A., University of Wisconsin	Education	*Beaver Dam*
Young, Paul Drum (SE) B.A., Pomona College	Education	*Toledo, Ohio*
Yu, Tse Tang B.A., University of Wisconsin	Economics	*Canton, China*
Zander, Arnold Scheuer B.S., University of Wisconsin	City Planning	*Two Rivers*
Zaumeyer, William John M.S., University of Wisconsin	Plant Pathology	*Milwaukee*
Zeimet, Agnes Lillian M.A., University of Wisconsin	Genetics	*Madison*
Zuege, David Clarence B.S., University of Wisconsin	Chemical Engineering	*Milwaukee*

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Aaron, Irvin Isadore	*Evanston, Ill.*
Ableson, Helen	*Chicago, Ill.*
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Adams, Arthur Bennett	*Beloit*
Adcock, Frances (SE)	*Galesburg, Ill.*
Adsit, Wilma Frances (WLS)	*Owatonna, Minn.*
Abrens, Alta Blanche (SE)	*Leonia, N. J.*
Albright, Mildred Ruth (SE)	*Onawa, Iowa*
Alleman, Louis Alfred (SE)	*Alleman, Iowa*
Allen, Edith	*Madison*
Allen, Helen Louise	*Madison*
Ammann, Carmen El (SE)	*Kiel*
Amundsen, Iver George	*Stoughton*
Andersen, Martin Perry	*Aberdeen, S. Dak.*
Anderson, Blythe Williams (SE)	*Oconomowoc*
Anderson, Edward Bates	*Chicago, Ill.*
Anderson, Elna Marie (SE)	*Fond du Lac*

Anderson, Hazel Marie (SE)	*Emigrant, Mont.*
Anderson, William Harry	*Marinette*
Andrews, Charles Francis (L)	*Rockford, Ill.*
Arnold, Lorraine	*Eau Claire*
Aronson, Beatrice	*Pittsburgh, Pa.*
Austin, Margaret Clarke (SE)	*Milwaukee*
Axen, Florence Lillian (SE)	Baraboo
Bach, John Robert	*Milwaukee*
Bachhuber, Alois Martin (M)	*Mayville*
Bachhuber, Francis Gregory (M)	*Mayville*
Backus, Myron Port (SE)	*Madison*
Baird, James Burnside	*Pasadena, Calif.*
Baker, Irene Elizabeth	*Milwaukee*
Baker, Keith Harold	*Oshkosh*
Baker, Norman Julius (L)	*Milwaukee*
Baratz, Bertha Ruth (SE)	*Madison*
Barber, Morris	*Madison*
Barker, Josephine	*Oak Park, Ill.*
Barnes, Harry Albert (M)	*Milwaukee*
Barrett, Fred Dennett	*Sheboygan*
Barrett, Laura Colby (SE)	*Williams Bay*
Barrett, Richard Coatsworth	*Galena, Ill.*
Barron, Helen Susan (SE)	*East St. Louis, Ill.*
Barton, Bessie Ruth	*Elizabeth, Ill.*
Barton, Ethelwyn Parke (SE)	*Madison*
Barton, Harold E.	*Madison*
Baterman, Dorothy Ardren	*Chicago, Ill.*
Batz, Coletta Mary	*Sun Prairie*
Baumann, Elda Ottelie (SE)	*Milwaukee*
Beal, Ellery James	*Oregon*
Beattie, Frances (SE)	*Watertown, S. Dak.*
Beatty, Hamilton Arthur	*Madison*
Beatty, Harry Parke (M)	*Birmingham, Ala.*
Becker, Florence Gertrude (SE)	*Wilmont, Minn.*
Becker, Hilbert Christ	*Cudahy*
Becker, Lois May (SE)	*Wauwatosa*
Beebe, Dewitt Clinton (N)	*Sparta*
Behr, Louis	*Rockford, Ill.*
Bekkedal, Elenor (SE)	*Westby*
Bennett, Olga	*Viroqua*
Bentley, Phyllis Dyson (WLS)	*La Crosse*
Berg, Editha Louise (SE)	*Appleton*
Berg, Elda Emma (SE)	*Milwaukee*
Bergman, Celene Adeline (SE)	*Chicago, Ill.*
Berman, Fred A. (M)	*Milwaukee*
Bersch, Armella Helen (SE)	*Sheboygan*
Bertolaet, Elmer Edgar (M)	*Manitowoc*
Berwanger, Willard Jerome (M)	*Oak Park, Ill.*
Betts, Avice Mae (SE)	*Madison*
Bezold, Irma Elizabeth (SE)	*South Germantown*
Binzer, Myrtle Ruby (SE)	*Wausau*
Bird, Helen Amelia	*Bloomington Ill.*
Bird, Roberta Gertrude	*Milwaukee*
Birkbeck, Norman John (M)	*Gratiot*
Bjerkness, Ruth (SE)	*Colfax*
Blady, John Valentine (M)	*West Allis*
Blatecky, Joseph Jr.	*Milwaukee*
Bliss, Leah Marie	*Hartford*
Bloom, Elizabeth Bernice (SE)	*Butternut*
Bode, Lucia Ana	*Sheboygan Falls*

Bohman, Chester	*Milwaukee*
Bohmrich, Elsa Marie (SE)	*Milwaukee*
Bolger, Merville Ynez (SE)	*Waterloo*
Boll, Ruth Edna (SE)	*Rice Lake*
Bond, Marjorie Elva (SE)	*Milwaukee*
Bonner, Nelson Alfred (M)	*Beaver Dam*
Boogher, Howard	*St. Louis, Mo.*
Booher, John Alexander (M)	*Madison*
Borchers, Ruth Bregetta (SE)	*Madison*
Borden, Marian Jean	*Madison*
Borrud, Thelma Ovedia R. (SE)	*Stoughton*
Boruszak, Florence Janice	*Milwaukee*
Boyd, Rufin Waldemar	*Edgerton*
Boyer, Samuel Huntington Jr. (M)	*Duluth, Minn.*
Brace, Irma Irene (SE)	*Superior*
Bradford, Eleanor	*Milwaukee*
Branstad, Margaret Evelyn	*Eau Claire*
Brockman, Louis Orval	*Seymour*
Brookes, Antoinette Marie (SE)	*Wauwatosa*
Broughton, Carlita Ellen	*Marinette*
Brown, Lorraine Charlotte	*Madison*
Brown, Martha Ballentine (SE)	*Kansas City, Mo.*
Brown, Virginia	*Sioux Falls, S. Dak.*
Buck, Caroline Laura	*Madison*
Buckley, Ruth Clara (SE)	*Springfield, Ill.*
Bucklin, Dorothy Rose	*West Bend*
Buhlig, Ruth Martha	*Chicago, Ill.*
Bullamore, Charles LaFayette	*Kenosha*
Bunge, Helen Lathrop	*La Crosse*
Burdon, Thomas Sheldon (M)	*Green Bay*
Burnett, Marion Elizabeth (SE)	*Sparta*
Byrd, Gladys Amy (SE)	*Burns, Ore.*
Cady, Jessie Sumner	*Evanston, Ill.*
Calder, William Alexander (SE)	*Chippewa Falls*
Calkins, Charles Delavan (M)	*Evansville*
Cambier, Margaret Jane	*Waukesha*
Campbell, Elizabeth Spessard (SE)	*Carbon, W. Va.*
Campbell, Mary Louise	*Chicago, Ill.*
Campbell, Paul Edward	*Waukesha*
Carlsen, Elmer Walter	*Blanchardvidde*
Casey, James Donovan (M)	*Almond*
Cass, Margaret Emily (SE)	*Madison*
Chamberlain, Carol Frances	*Huron, S. Dak.*
Chandler, Elizabeth (SE)	*Sheboygan*
Chang, Kuo-An	*Hefei, China*
Charbonneau, Ara Sommers (SE)	*Detroit, Mich.*
Cheli, Clement Frederic (M)	*Calumet, Mich.*
Cheydleur, Mrs. Minnie Payne (SE)	*Madison*
Christensen, Howard Willard (M)	*Madison*
Christenson, Hilleborg Liv (SE)	*Stoughton*
Clark, Bernard Stearns	*Lead, S. Dak.*
Clark, Grace Marie (SE)	*La Crosse*
Clark, Lois Elizabeth	*Indianapolis, Ind.*
Clark, William Elery (M)	*Oshkosh*
Clement, Richard Francis	*River Forest, Ill.*
Clifcorn, LaVerne Edward	*Madison*
Cody, Paul Thomas (SE)	*Highland*
Cohen, Arthur J.	*Superior*
Cohen, Cecil Belle	*Milwaukee*
Cohen, Louis Sullivan	*Madison*

Colavita, Mary Ethel Cecelia (SE)	*Milwaukee*
Cole, David Frederich (M)	*Sparta*
Conway, James Paul	*Wisconsin Rapids*
Cook, Valeria F. (SE)	*Streator, Ill.*
Cooke, Mary	*Waukegan, Ill.*
Cooper, Garrett Arthur	*Watertown*
Coors, Dorothy	*Los Vegas, N. Mex.*
Corcoran, Robert John	*Beloit*
Corgan, Mary Catherine (SE)	*Marquette, Mich.*
Coulter, Elizabeth Cullom	*Frankfort, Ind.*
Courville, Gladys Evelyn (SE)	*Flint, Mich.*
Cox, Helen Agnes	*Omaha, Nebr.*
Cox, Mildred	*Milwaukee*
Coyne, Anna Regina	*Madison*
Crawford, Eleanor Grace	*Wausau*
Crewe, Charles Wilton	*Rochester, Minn.*
Crosby, Frederick William (L)	*Neillsville*
Crosswait, Mildred Kathryn (SE)	*Madison*
Crownhart, Charles Henry (L)	*Madison*
Cuisinier, Frank Xavier	*Chicago, Ill.*
Cummings, Earl Floyd (M)	*Hawkins*
Cuneo, Norberto Juan	*Pergamino, Argentina*
Cunningham, Jean Craig	*Hammond, Ind.*
Curry, Elizabeth E. (SE)	*Baraboo*
Curtis, Paul Dwight	*Wauwatosa*
Cusick, Ann Bernadette (SE)	*Oregon*
Dale, Frederick Bourrette (M)	*Madison*
Dale, Margaret Jessie	*Madison*
Dana, Philip Lyman	*Kewanee, Ill.*
Dasler, Adolph Fred (M)	*Kingston*
Davidson, Leah Ruth (SE)	*Madison*
Davies, May Aileen (M)	*Madison*
Davis, Mrs. Helen Patterson	*Mankato, Minn.*
Dawson, Emily Warren	*Madison*
Dawson, Gordon Eversz (L)	*Madison*
Daywitt, Homer Harris	*Boscobel*
Dean, Anne Constance (SE)	*Chicago, Ill.*
Decker, John Joseph Jr. (M)	*Phillips*
Dedrich, Helene Anne	*Manitowoc*
Dellicker, Henry A.	*Milwaukee*
Denison, Mortimer Cooper (SE)	*Mellen*
Depue, Burton W.	*Chicago, Ill.*
Dickens, Helen Layton	*Milwaukee*
Dingman, Roy Albert	*Milwaukee*
Doane, Edwin Addison	*Salem, Ore.*
Dobbratz, Verna Luise (SE)	*Milwaukee*
Dollard, Charles	*Madison*
Donkle, Milton Judson (M)	*Milwaukee*
Donovan, Anthony	*Madison*
Dougan, Trever Cranston	*Beloit*
Doyon, Dorothy Miner	*Madison*
Dracon, Joseph George	*Madison*
Drake, Charles Frances II	*Highland Park, Ill.*
Driessen, Sherburn Moore	*Marion*
Droppers, Edward Reginald	*Milwaukee*
Duggan, Eileen Marie	*Antigo*
Duncan, Daniel Gensemer	*Salt Lake City, Utah*
Duncan, Mary Magdalen	*Huron, S. Dak.*
Dunham, Ruth Elizabeth (SE)	*Neenah*
Dunn, Peter Joseph	*Madison*

Dunwiddie, Katherine (SE)	*Delavan*
Durham, Frank Conrad	*Neenah*
Earl, Kerbert Barnes	*Gary, Ind.*
Edge, Cora Kate	*Platteville*
Edkins, Phyllis Louise	*Highland Park, Ill.*
Edmonds, Gertrude Aileen	*La Grange, Ill.*
Edwards, Paul Krueger (M)	*Lancaster*
Eggert, Alice Emma	*Chicago, Ill.*
Ehrhard, Helen Margaret (SE)	*Menomonie*
Eichhorst, Madeline Amalia (SE)	*Milwaukee*
Eierman, Marcella Mary	*Madison*
Einfeldt, August William	*Oak Park, Ill.*
Ekern, George Lewis	*Madison*
Elkins, Oscar Melville (M)	*Racine*
Ellingson, Margaret	*Madison*
Elliott, Mary Elizabeth	*Superior*
Ellis, Frances Althea	*Milton*
Ellis, Ray Lowther (SE)	*Omro*
Engelke, Walter William (SE)	*La Crosse*
Erickson, Bernice Marie (SE)	*La Crosse*
Erikson, R. Stanley	*Chicago, Ill.*
Errickson, Mabel Geneva (SE)	*Soldiers Grove*
Evans, Albert Ellis (M)	*Racine*
Evans, Elizabeth Koehne (SE)	*Chillicothe, Ohio*
Everson, Katherine May	*Lake Mills*
Faber, Charles Andrew (M)	*Milwaukee*
Failing, Betty Ruby	*East Orange, N. J.*
Faustgen, Josephine Ann (SE)	*Oshkosh*
Fay, Dorothy Beth	*Sparta*
Fechtner, Harold Herman (M)	*Merrill*
Fein, Norman Nathaniel (M)	*Milwaukee*
Feldman, Elizabeth Adelaide	*Madison*
Feldman, Harry (M)	*New York City, N. Y.*
Felsher, Pauline Esther	*Chicago, Ill.*
Ferree, Edwin Heaston	*Marion, Ind.*
Fish, Jean Mary (SE)	*Madison*
Fist, Gladys	*Pueblo, Colo.*
Fitchett, Laurence L. (M)	*Janesville*
Flynn, Leonora Kathryn	*Madison*
Forsberg, Walter Raymond (SE)	*Marinette*
Forseth, Margaret Solveig (SE)	*La Crosse*
Fowler, Jean Catherine (SE)	*Lancaster*
Fowler, Oakman Ellis (SE)	*Delavan*
Fox, Meyer Simon (M)	*Milwaukee*
Francis, Neil Greer (SE)	*Greenwood*
Frankfurth, Paula Louise	*Milwaukee*
Frechette, Francis M. (M)	*Wisconsin Rapids*
Frederickson, Nina Belle (SE)	*Garden Prairie, Ill.*
French, Dorothy Luzette (SE)	*Racine*
Freytag, Elmer Walter (L)	*Chicago, Ill.*
Frick, Charleton John (M)	*Athens*
Friedel, Forrest William (SE)	*Sullivan*
Fritschel, Edgar G.	*Milwaukee*
Fueger, Elizabeth Anne	*Milwaukee*
Fuhlbrigge, Arthur Alfred (M)	*Watertown, S. Dak.*
Fuller, Ruth M. (SE)	*Madison*
Furlong, Thomas Francis Jr. (M)	*Milwaukee*
Fusgard, Melvin Charles (SE)	*Antigo*
Gallagher, Marjorie Kathleen (SE)	*Shawano*
Gaulke, Norma Carolyn (SE)	*Stoughton*

Geiger, Mary Elizabeth	*Waukesha*
Gibson, Delbert L.	*Akron, Ohio*
Gibson, Marjorie Stone (SE)	*Chicago, Ill.*
Gibson, Rhea M. (WLS)	*Oshkosh*
Gile, Marjorie Pauline	*Madison*
Gill, Loretta Marian	*Madison*
Gill, William Thomas	*Milwaukee*
Gilmore, Elizabeth Basye	*Manila, P. I.*
Glassen, Harold Willis (L)	*Madison*
Glover, Mrs. Thelma M.	*Madison*
Goebel, Elizabeth Natalie (SE)	*Milwaukee*
Goerbing, Eleanor Ida (SE)	*Milwaukee*
Goggin, Mary Honore (SE)	*Madison*
Goldman, Perez	*Cleveland, Ohio*
Goldstein, Howard	*Chicago, Ill.*
Goldstein, Marshall	*Chicago, Ill.*
Goldstein, Mildred Helen	*Chicago, Ill.*
Goodkind, Marion Bertha	*New York City, N. Y.*
Goodman, Jeanette (SE)	*Milwaukee*
Gopadze, Illarion I. (M)	*Madison*
Gore, Elizabeth Alexander (WLS)	*Sheffield, Ill.*
Gorman, Gwendolyn Cecelia (SE)	*Salem*
Gosling, Arthur Warrington	*Madison*
Grambs, Louis Lorenzo	*Bismarck, N. Dak.*
Graves, Virginia Coad	*Cleveland, Ohio*
Green, Belle Rankin (SE)	*Mukwonago*
Griesser, Paul Walter (L)	*Medford*
Grob, Gordon Arthur C.	*Milwaukee*
Gudsos, Helen Grace	*Cashton*
Habermehl Gretchen (SE)	*Milwaukee*
Hadley, Donald Boyd	*Newburg, Iowa*
Hahn, Anthony Charles (M) (SE)	*Watertown*
Hahn, Helen Virginia	*Dodgeville*
Hahn, Walter Seymour	*Delafield*
Haldorson, Alice Hazel (SE)	*Mondovi*
Hale, Prentice DeLap (SE)	*Kaukauna*
Halsor, Adelle (SE)	*DeForest*
Halverson, Ellis Cobb	*Madison*
Hand, Norman Travers	*Racine*
Hand, Orra Robert (M)	*Minneapolis, Minn.*
Harding, William Knott (SE)	*Milwaukee*
Hardy, Sarah Augusta (SE)	*Spencer, Idaho*
Harmount, Mary Elizabeth	*Chillicothe, Ohio*
Harrigan, Gerald Bernard (M)	*Milwaukee*
Harrison, James RuTon	*Goshen, Ind.*
Haskins, Ethel Lorraine (SE)	*Madison*
Hatfield, Leslie William (M)	*Madison*
Hay, Jean Elizabeth (SE)	*Hancock, Mich.*
Hein, Eleanor Francis (SE)	*Madison*
Hein, Mildred Mary	*Milwaukee*
Heise, James Herbert	*Janesville*
Hemphill, George Kenneth (M)	*Madison*
Henschel, Marion Louise	*Wauwatosa*
Herbert, William Thomas	*La Crosse*
Hering, Eugene Rudolph (M)	*Shell Lake*
Herrick, Marjorie	*Olean, N. Y.*
Hettrick, Corinne Frances (SE)	*Chicago, Ill.*
Hiestand, Loretta Dodge	*Sauk City*
Higgins, Esther Grace (SE)	*La Porte, Ind.*
Himley, Adolph Chatt	*Madison*

Hinds, Caroline Louise (SE)	*St. Joseph, Mo.*
Hirsig, Elizabeth Ottilie (SE)	*Madison*
Hobbins, Joseph Franklin	*Oak Park, Ill.*
Hoebel, Edward Adamson	*Madison*
Hoeffel, Harry Peter (L)	*Appleton*
Hoesly, Hazel Beatrice (SE)	*New Glarus*
Hoffman, Dorothy Elizabeth (SE)	*Manitowoc*
Hoffman, Erwin Frederick (M)	*Wilton*
Hoffman, Theodore John	*Manitowoc*
Hoiles, Alice Virginia (SE)	*Greenville, Ill.*
Holmes, Roy Oscar Isenberg (SE)	*Baraboo*
Holmes, Wayne Hosmer	*Chicago, Ill.*
Holt, Edith Mae (SE)	*Edgerton*
Horrell, Wilma Marie (SE)	*Humbird*
Horsch, Vada Katherine (SE)	*Stockton, Ill.*
Horsch, Vida Mae (SE)	*Stockton, Ill.*
Horswell, Jane Elizabeth (SE)	*Wausaukee*
Horton, Robert Henry	*Oak Park, Ill.*
Hotchkiss, George Henry	*Oshkosh*
Hovenden, Lois Flora (SE)	*Laurens, Iowa*
Howe, Helen Elizabeth (SE)	*Cananea, Sonora, Mexico*
Hoye, Katherine Ellen (SE)	*Elroy*
Hsii, Tun Chang	*Szechewan, China*
Huang, Kung Shou	*Cheking, China*
Hubbard, Evaline Guinevere (SE)	*Evansville*
Huddleston, Halmond Paul	*Ladysmith*
Hughes, Genevieve Folsome (SE)	*Janesville*
Hughes, Helen Ann	*Lima, Ohio*
Humbert, Gertrude Elizabeth	*Waukesha*
Huth, Edgar William (M)	*Milwaukee*
Hyber, Rita (SE)	*Chicago, Ill.*
Hyman, Jean Suzanne	*Oak Park, Ill.*
Hyslop, Frederick William	*Janesville*
Hyslop, Lois Mary	*Madison*
Iglehart, Emily Powers	*Indianapolis, Ind.*
Imerman, Sidney, Jerome	*Detroit, Mich.*
Izner, Bernice (M)	*Milwaukee*
Jackson, Joyce Helen (SE)	*Indianapolis, Ind.*
James, Elizabeth Ann	*Wyoming, Ohio*
Jandrey, Arthur Stevens	*Neenah*
Jennrich, Lorraine Hertha (SE)	*Milwaukee*
Johanson, Gladys Helene (SE)	*Racine*
Johns, Ruth Frances (SE)	*Milwaukee*
Johnson, Earl Dallam (SE)	*Keokuk, Iowa*
Johnson, Esther Lillian (SE)	*Ashland*
Johnson, Helene Elizabeth	*Beloit*
Johnson, William Herbert	*Glencoe, Ill.*
Johnstone, John Douglas (SE)	*Milwaukee*
Jones, Donald Straw	*Bismarck, N. Dak.*
Jones, Mary Elisabeth (SE)	*Delavan*
Jones, Tural Florence (SE)	*Racine*
Kaiser, Lloyd Frick (M)	*New Holstein*
Kanneberg, Mrs. Louise	*Madison*
Karasek, Faith Armington (SE)	*Elmhurst, Ill.*
Kaska, Gordon John (M)	*East Troy*
Katz, Helen	*New York City, N. Y.*
Kehl, Kenneth Charles	*Racine*
Keir, Merne Idale	*Madison*
Kelly, Alice Louisa	*Mineral Point*
Kelly, Hobart Martin (M)	*Milton Junction*

Kemmeter, Dorothy Amelia (SE)	*Jefferson*
Kempthorne, Charles Roosevelt	*Rewey*
Kendall, Jeannette (SE)	*Milwaukee*
Kent, Arleigh Stelladeane (SE)	*South Milwaukee*
Kerr, Doris Ruth (SE)	*Madison*
Kileen, Ruth Anna (SE)	*Wautoma*
King, Ruth Viola	*Chicago, Ill.*
Kingsbury, Laurence Harry (M)	*Turtle Lake*
Kinkead, Eugene Francis	*Washington, D. C.*
Klenert, Elizabeth Anne (SE)	*Portage*
Klevay, Louis A.	*Milwaukee*
Klever, Jennie Henrichs (SE)	*Sanborn, Iowa*
Klingman, Herbert Frederick	*Watertown*
Knauf, William John	*Chilton*
Kniebusch, La Verne Jeannette (SE)	*Madison*
Koehler, Friedrich Walter	*Medford*
Koehler, Hugo Lee	*Alliance, Ohio*
Kohl, Helen Louise	*Sheboygan*
Kohlhase, Faerie Alma (SE)	*Chicago, Ill.*
Kopplin, Helen Ann (SE)	*Portage*
Kraeger, George Albert	*Pekin, Ill.*
Kratz, Winston Wiedner	*Louisville, Ky.*
Krauskopf, Robert Mela	*Milwaukee*
Kroening, Harry Carl	*Platteville*
Kroyer, Theodore James (M)	*Oshkosh*
Krueger, Dorothy Rose (SE)	*Milwaukee*
Krueger, Kathryn Elizabeth	*Milwaukee*
Krug, Marion Gladys (SE)	*Madison*
Kruschke, Norma Elsie (SE)	*Waldo*
Kruse, Mary Margaret (SE)	*Enid, Okla.*
Kubista, Irene Florence (SE)	*Madison*
Kuckhan, Howard Ferdinand	*Milwaukee*
Keuhn, Marguerite Claire (SE)	*Milwaukee*
Kuehne, Catherine Dorothea (SE)	*Madison*
Kuenne, Alma F.	*Ladysmith*
Kullman, Ethel Delia (SE)	*Milwaukee*
Kyle, Jack Kenneth	*Whitewater*
Lain, Kathryn Flora (SE)	*Tulsa, Okla.*
Landwehr, Dorothy Gertrude (SE)	*Milwaukee*
Lang, Adeline (SE)	*Jamestown, N. Dak.*
Larkin, Edwin James	*Madison*
Larsh, Doris	*Rensselaer, Ind.*
Larson, Philip Dunning	*Madison*
Laun, Lucile Doris (SE)	*Kiel*
Lavine, Israel H. (M)	*Superior*
Lawless, Kathleen Ruth Marie (SE)	*Waukesha*
LeChausse, Ralph Meyer (M)	*Newark, N. J.*
Lee, Earl Reuben (M)	*Cashton*
Lee, Norma Carolyn	*Dodgeville*
Leiser, Edith Sara (SE)	*Milwaukee*
Lemke, Ruth Emilie (SE)	*Watertown*
Lemmer, Kenneth Elery (M)	*Spooner*
Lerner, Esther Mildred (SE)	*Gary, Ind.*
Levenson, Charlotte Adeline (SE)	*Milwaukee*
Leverson, Stella Ingeborg (SE)	*Deerfield*
Lidbeck, Marjorie Ann (WLS)	*Marinette*
Liebermann, Edith Alice (SE)	*Watertown*
Lilygren, Stella Irene (M)	*Merrill*
Lind, Marjorie Ruth	*Hillsboro*
Lindemann, Lurana (SE)	*Viroqua*

Linden, Laura Love (SE)	*Madison*
Lindhe, Evelyn Vernice (SE)	*Deer River, Minn.*
Lindman, Margaret Eleanor (SE)	*Stoughton*
Lochen, Everette Lee (M)	*Milwaukee*
Lockhart, Lucy Gale	*Mellen*
Lokvam, Leif Henry (M)	*Eau Claire*
Loewenthal, Edward Julius	*Chicago, Ill.*
Low, Rudolph Ernest	*St. Paul, Minn.*
Luby, Rhoda Louisa (SE)	*Milwaukee*
Lucas, Josephine	*Lisbon, N. Dak.*
Lucas, Marcus Aunelius (SE)	*Clarksville, Ark.*
Luebchow, Helen Anne (SE)	*Wausau*
Lyman, Elizabeth Mary	*St. Louis, Mo.*
Lyman, Sara Elizabeth	*Madison*
McCarter, John Carroll	*Duluth, Minn.*
McCarthy, Florence Clare (SE)	*Antigo*
McCarthy, Frank D. (M)	*Ponce, Nebr.*
McCaul, Thomas Frank (L) (SE)	*Tomah*
MacCollum, Donald Wieting (M)	*Manitowoc*
McCullough, Dorothy (SE)	*Wauwatosa*
McDonald, Mrs. Marian Jenne	*Antigo*
McDonald, Helen Gertrude	*Aurora, Ill.*
McIntosh, Kathleen Anne (SE)	*Edgerton*
McKee, Richard Lansing	*Oconomowoc*
McKellar, Alpha Leyle (SE)	*Blanchardville*
McKitrick, Seth Redford	*Madison*
MacLellan, Marjorie	*Chicago, Ill.*
Maasen, Gustav Christian	*Milwaukee*
Macfarlane, Ruth Robina	*Madison*
Mainland, Kenneth Sinclair (L)	*Oshkosh*
Maloof, George John (M)	*Stoughton*
Manning, Kathryn Elizabeth (SE)	*Clark, S. Dak.*
Manson, Nesbitt Turner	*Milwaukee*
Mardiginan, Arpine	*Constantinople, Turkey*
Margoles, Maxon Edward (M)	*Milwaukee*
Marks, Theresa (SE)	*New York, N. Y.*
Marsh, Alice (SE)	*Orlando, Fla.*
Marshall, John	*Madison*
Marshall, Wallace Sydney (M)	*Appleton*
Martin, Dorothy Clarice (SE)	*Fontana*
Martin, Mary Katherine (SE)	*Bay City, Mich.*
Martin, Ronald Francis (M)	*Madison*
Martin, Wayne Stoddard	*Richland Center*
Marty, Lena Sophia (SE)	*Monroe*
Mason, James McLerie	*Winnipeg, Montioba, Can.*
Massey, Ambrose J. (L)	*Walworth*
Mathews, Ruth Oneta (SE)	*Pueblo, Colo.*
Mavor, Jessie Claire (SE)	*La Grange, Ill.*
Mayer, Sophie Phillipina (SE)	*Wauwatosa*
Mead, Emily Phelps	*Wisconsin Rapids*
Meade, Donald Earl	*Hays, Kans.*
Meehan, Vera Gene	*Johnstown, Pa.*
Meili, Emmett August (M)	*Alma*
Meister, Franklin (M)	*Slinger*
Melentine, Agnes Ruth (WLS)	*Madison*
Melnik, Anne	*Milwaukee*
Menhall, Ernest	*Beloit*
Merry, Harold Monroe	*Madison*
Metterhausen, Eleanor (SE)	*Chicago, Ill.*
Meyering, Lawrence V.	*Glencoe, Ill.*

Miles, Eleanor Lois Burgess	*Bristol*
Milks, Elizabeth Cawley	*Terre Haute, Ind.*
Miller, George Henry	*Beloit*
Miller, Margaret Laura (SE)	*Kansas City, Mo.*
Miller, Sylvia Sherman	*Milwaukee*
Miller, Theodosea (SE)	*Marshfield*
Millman, Margaret Elizabeth	*Platteville*
Minch, Margaret Christine	*Madison*
Monroe, Maurice Eugene (M)	*Hartford*
Moore, Edith Champ	*Lancaster, Ky.*
Moore, Helen Smith	*Omaha, Nebr.*
Morgan, Gwendolyn Evans (SE)	*Cambria*
Morgan, Mary Elizabeth (SE)	*Madison*
Morrison, Marjorie Jean (SE)	*Bellingham, Wash.*
Morrison, Russell Caldwell (M)	*Madison*
Morrison, Viola Isabella (SE)	*Russell, Kans.*
Morrissey, Loretta Scholastica	*Madison*
Morse, Robert Thatcher	*Chicago, Ill.*
Moses, Adolph II	*Chicago, Ill.*
Moses, Minnie Merle (SE)	*Chicago Heights, Ill.*
Muddle, William	*Gloversville, N. Y.*
Mueller, Florence Jean	*West Allis*
Mueller, Gertrude Esther (SE)	*Watertown*
Mueller, Ruth J. (SE)	*Milwaukee*
Mullins, Sophia Cochran (SE)	*Clanton, Ala.*
Mulvey, Claire Patricia (SE)	*Fennimore*
Munson, Dexter Irvine (L)	*London*
Murphy, Elizabeth Agnes (SE)	*Madison*
Murphy, Rosalie Catherine	*West Hartford, Conn.*
Napper, Marion Frances	*Madison*
Nash, Edward William	*Peoria, Ill.*
Nash, Viola J. (SE)	*Wisconsin Rapids*
Nathenson, Clara Marjorie (SE)	*Madison*
Naujoks, Clarence Karl	*Milwaukee*
Nee, Marjoree Ann	*Escanaba, Mich.*
Nelson, Ann Marguerite	*Algoma*
Nelson, Carl Oscar	*Kenosha*
Nelson, Elizabeth Virginia (SE)	*Madison*
Neubert, Albert Daniel (M)	*Milwaukee*
Newcomb, Charles Jones (M)	*Waupun*
Newlove, Edith Victoria (SE)	*Des Moines, Iowa*
Newton, Donald Prather	*National Home*
Niebuhr, William August (M)	*La Crosse*
Niejahr, Ethel Alice (SE)	*Green Bay*
Niemann, Marian Caroline (SE)	*Madison*
Niles, John Russell	*Nashville, Tenn.*
Norris, Lucy Evelyn	*La Moille, Ill.*
Nourse, Robert	*Milwaukee*
Noyes, Marian May (SE)	*Muscoda*
O'Brien, Anthony Emmell (L)	*Mount Pleasant, Mich.*
Ochsner, Clarence George (M)	*Knowles*
O'Connor, Francis Joseph (SE)	*Union City, Conn.*
Odell, Loretta M. A.	*Madison*
Oetting, Beatrice Grace (SE)	*Trevor*
Olcott, Florence (M)	*St. Croix Falls*
Olmsted, Almeda Marguerite	*Milledgeville, Ill.*
Olsen, Berenice Helen	*Arcadia*
Olson, Obert Henry (M)	*Madison*
Olwin, Count Campbell	*Robinson, Ill.*
O'Malley, William Patrick (M)	*Waunakee*

O'Neil, Mary Gertrude (SE)	*Cloquet, Minn.*
O'Neill, Mary Alice (SE)	*Madison*
Opitz, Wilfred Edward	*Elkhorn*
Orcutt, Helen Elizabeth (SE)	*Sioux City, Iowa*
Orth, Franklin Lewis	*Milwaukee*
Otis, Joyce Grace (SE)	*Sturgeon Bay*
Outhouse, Mildred Ethel (SE)	*Madison*
Overton, James Bertram Jr. (M)	*Madison*
Owen, Emily Ward (SE)	*St. Louis, Mo.*
Owen, George Colville (M)	*Racine*
Owen, John Dale (M)	*Phillips*
Pabst, Robert Erwin	*Oconomowoc*
Paff, William Jacob	*Wausau*
Pahl, Donald William	*Arcadia*
Palmer, Patricia	*Pomona, Calif.*
Parker, Mabel Marcella	*Berlin*
Parker, Wilbert Howard (M)	*Byron, Minn.*
Parkhill, Edith Muriel (M)	*Rochester, Minn.*
Patrick, Mary Margaret (SE)	*Indianapolis, Ind.*
Patterson, Mary Catherine (SE)	*Wahpeton, N. Dak.*
Paulson, Janette (SE)	*Mount Horeb*
Pearsall, Orpha Golden (SE)	*Aurora, Minn.*
Pederson, Allen Jesse (M)	*Milwaukee*
Perisho, Gordon Maxwell (M)	*Streator, Ill.*
Petaja, John William	*Ahmeek, Mich.*
Peters, Maxine Esther (SE)	*Stoughton*
Peterson, Alton Theodore	*Hollandale*
Peterson, Dorothy Harriet	*Owatonna, Minn.*
Peterson, Florence Edna (SE)	*Eagle*
Peterson, Wesley F.	*Rockford, Ill.*
Pharo, Florence May	*Madison*
Phillips, Dorothy Alberta (SE)	*Freeport, Ill.*
Pickard, Alice Marie (SE)	*Green Bay*
Pierce, Florence Elizabeth (SE)	*Rhinelander*
Piersen, Ruth Irene	*Aurora, Ill.*
Pike, Robert Prescott	*Portage*
Pittenger, Eunice Mae (SE)	*Lancaster*
Plappert, Gertrude Marie (SE)	*New Holstein*
Polson, Lena Emily (WLS)	*Baraboo*
Pomainville, Caroline Louise (SE)	*Wisconsin Rapids*
Pond, Isabel Elpha (SE)	*Beloit*
Popham, Walter Desmond	*Chillicothe, Mo.*
Porth, George Allen	*Milwaukee*
Potter, Dorothy May (L)	*Madison*
Powell, Mrs. Harriet Morgan	*Madison*
Powers, Alice Lorraine	*Postville, Iowa*
Powers, Edward Patrick	*Fargo, N. Dak.*
Prendergast, Elizabeth Anne (SE)	*Madison*
Price, Prescott Lyman	*Evanston, Ill.*
Priess, Harold Edwin (SE)	*St. Louis, Mo.*
Purcell, Florence Ann (SE)	*Madison*
Putnam, Grace Marguerite (SE)	*Madison*
Quisling, Abraham (M)	*Madison*
Rabe, Naomi Frances	*Chicago, Ill.*
Rabinoff, Rose Margaret	*Madison*
Rahr, William	*Manitowoc*
Ramlow, Leonard William (M)	*Milwaukee*
Rasche, Robert La Follette	*Milwaukee*
Rauth, Andy Fred	*Lodi*
Read, Marion Elizabeth	*Laurium, Mich.*

Reade, Harold Otho	*Elgin, Ill.*
Reed, Thomas Cameron	*Oshkosh*
Reese, Genevieve (SE)	*Dodgeville*
Reilly, Eleanor Rose (SE)	*Fond du Lac*
Reinert, Ruth Gertrude (SE)	*Cleveland*
Remley, Alanson Abraham	*Milwaukee*
Reppert, Edith Caroline	*Madison*
Rettig, Edna Mathilde (Mrs.)	*Belleville*
Reynolds, Mrs. Sarah C.	*Madison*
Reznichek, Cyrus George (M)	*Antigo*
Richter, Joe Rhode (SE)	*Racine*
Ringe, Fredric William	*Milwaukee*
Ritter, Eleanore Alma	*Milwaukee*
Roach, Carroll Esart (M)	Waterloo
Roberts, David John (M)	*Cambria*
Roberts, Elsie Monica (SE)	*Brimfield, Ill.*
Roberts, Mildred Edith (SE)	*Spokane, Wash.*
Roberts, Wilfred Stanley	*River Forest, Ill.*
Rock, Mary Genevieve (SE)	*Superior*
Roe, Jack Ernest (L)	*New York, N. Y.*
Roehl, Ora Carl	*Lake Mills*
Roesch, Gwendolyn Alice (SE)	*Lancaster*
Rooney, Ellen Clare (SE)	*Milwaukee*
Ropshaw, Florence Madge (SE)	*Cleveland, Ohio*
Rosen, Eleanor Kathryne (SE)	*Madison*
Rosenow, Oscar Ferdinand (M)	*Alma*
Rosenthal, Hannah	*La Porte, Ind.*
Rowe, Thoburn David (SE)	*Madison*
Rubin, Ruth (SE)	*Terre Haute, Ind.*
Rubinaw, Olga (F)	*Philadelphia, Penn.*
Rubiner, Ethel	*Detroit, Mich.*
Rydell, Otto Ellwood (M)	*Superior*
Rzonca, Charlotte Gladys (SE)	*Milwaukee*
Sachtjen, Robert Merlin (M)	*Madison*
Sannes, William Andreas (M)	*Madison*
Sarff, Charles Thompson	*Shullsburg*
Schacht, Milton Walter	*Racine*
Schaefer, Lorna Mae (SE)	*Baraboo*
Schaefer, Ralph Frick	*Louisville, Ky.*
Schaeffer, Vivian Rugh (SE)	*Beardstown, Ill.*
Schaff, Alice	*Tulsa, Okla.*
Schaller, Robert Clark	*Janesville*
Scheufler, Doris Gladys (SE)	*Merrimac*
Schmidt, Evelyn Benner	*Detroit, Mich.*
Schmidt, Kenneth Witwen (M)	*Avoca*
Schmidt, Sophie	*Chicago, Ill.*
Schmiedicke, Paul Henry (M)	*Manitowoc*
Schneider, Frieda Diska Paula	*Milwaukee*
Schneider, Mary	*Brooklyn, N. Y.*
Schoeneich, Elsa C. (SE)	*Milwaukee*
Schoonover, Donald Allen	*Cedar Rapids, Iowa*
Schriber, Paul W. (M)	*Wilson*
Schroeder, Beatrice Marion	*Madison*
Schrofer, Charles George (M)	*Kenosha*
Schrom, Gladys Margaret (SE)	*Rockford, Ill.*
Schuette, Pauline Rahr (SE)	*Manitowoc*
Schultz, Isadore (M)	*Madison*
Schulz, Dorothy (M)	*Madison*
Schwaab, Mildred Antoinette (SE)	*Oconomowoc*
Schwachheim, Franklin Wallace	*Cascade, Mont.*

Schwenger, Robert B.	*Milwaukee*
Scolten, Adrian (M)	*Madison*
Scott, Robert Harrison	*Berlin*
Scott, Stuart Warren	*Madison*
Seaman, Elizabeth	*Milwaukee*
Searles, Carolyn Mary (SE)	*Dubuque, Iowa*
Senneff, Erwin Phillips	*Janesville*
Setter, Lloyd Richard	*Deer Park*
Seybold, Helen Louise (SE)	*Miami, Fla.*
Seybold, Oliver William	*Forest Junction*
Shapiro, Sarah Edythe (SE)	*Milwaukee*
Sheard, Edwin Robert	*Pewaukee*
Sheldon, James Stanley	*New York, N. Y.*
Sherman, Delia Marcella (SE)	*Hixton*
Sherman, Katherine	*Winnetka, Ill.*
Shick, Elizabeth Ann (SE)	*La Porte, Ind.*
Shirk, Marguerite Burnham (SE)	*Madison*
Shriver, Leland Arthur	*Virden, Ill.*
Shulak, Irving I (M)	*Detroit, Mich.*
Siljan, Winifred Claudia (SE)	*Madison*
Simonson, Helen Senior	*Milwaukee*
Singer, Daisy Douglas	*Chicago, Ill.*
Sipfle, James	*Pekin, Ill.*
Skinner, Morgan Ellis (M)	*Waupaca*
Smith, Christie Anne (SE)	*Pittsburgh, Pa.*
Smith, Clarence (SE)	*Delavan*
Smith, Cornelius Walter	*Madison*
Smith, Edith Hope (SE)	*Viroqua*
Smith, Elizabeth Mary (SE)	*Chicago, Ill.*
Smith, Evelyn Margaret (SE)	*Madison*
Smith, Gilbert Joseph (L) (SE)	*Milwaukee*
Smith, Harryet June	*Milwaukee*
Smith, Josephine	*Detroit, Mich.*
Snodgrass, Ann Elizabeth (SE)	*Marietta, Ohio*
Sniffen, Margaret Cooper (SE)	*Madison*
Soule, Hattie E. Wellis	*Madison*
Spaulding, Gerald Burton (SE)	*Oconomowoc*
Spencer, Helen Elizabeth (SE)	*Madison*
Springberg, Joseph Charles	*Madison*
Stange, Rosemary Elizabeth	*Merrill*
Stanley, Kathleen Ann (SE)	*Clintonville*
Stanley, Virginia Pearce (SE)	*La Grange, Ill.*
Stanton, Ed. Daniel (M)	*Mitchell, S. Dak.*
Stare, Mary Frances (SE)	*Columbus*
Stebbins, Helen Elizabeth	*Chicago, Ill.*
Stedman, John Cloes	*Sturgeon Bay*
Steel, Ida Helen (SE)	*Milwaukee*
Steele, Eleanor Alice (SE)	*Salt Lake City, Utah*
Stehr, Arthur Carl (M)	*Madison*
Stein, Myra Louise (SE)	*Hillsboro*
Stenjem, Dorothy Mary	*Madison*
Stevens, Henry Sabin	*Madison*
Stevens, Edgar Hills	*Chicago, Ill.*
Stewart, Elaine Gertrude (SE)	*Bay City, Mich.*
Stewart, Ramsey Hoffman	*Chicago, Ill.*
Stewart, Theodore (SE)	*Racine*
Stiles, John Alden (M)	*Lake Mills*
Still, H. Bayrd (SE)	*Woodstock, Ill.*
Stillman, Mead William (L)	*Oshkosh*
Storck, Capitola (SE)	*Madison*

Stowe, Harwood L. (M)	*Kimberly, Idaho*
Strachan, Jean Miller	*Milwaukee*
Strodthoff, Elizabeth Amy (SE)	*Madison*
Sullivan, Raymond William	*Delavan*
Swenson, Evelyn Hildur (SE)	*Sparta*
Sykes, Robert Hart (M)	*Madison*
Tarrant, Irving Stephens	*Milwaukee*
Tax, Archie Hanwit	*Milwaukee*
Tegtmeyer, Charlotte Frances	Chicago, Ill.
Thal, Stella Dellafield (SE)	*Lakota, N. Dak.*
Theisen, Mae Elizabeth (SE)	*Slinger*
Thiessen, Myrtle Bernice (SE)	*New Holstein*
Thomas, Dorothy May (SE)	*Janesville*
Thomas, Norman Goodsel (M)	*Cobb*
Thompson, Irma Madalene (SE)	*Baraboo*
Thompson, Louise Carolyn	*Madison*
Thompson, Martha Elizabeth (SE)	*Beloit*
Thompson, Nellie Iola (SE)	*Elmwood*
Thoms, Lorraine Helen	*Winnetka, Ill.*
Thuerer, Elsbeth Harwood (SE)	*Baraboo*
Thwing, Marion Irene (SE)	*La Crosse*
Timbers, Margaret Alice (SE)	*Manston*
Toftoy, Alet Kirstine (SE)	*Madison*
Tollach, Hugh Livingstone (L)	*Black River Falls*
Tormey, Mary Elizabeth (SE)	*Twin Bluffs*
Torpy, Isabel Ann	*Minocqua*
Tough, Evelyn (SE)	*Madison*
Treskow, Frank G. (M)	*Eldora, Iowa*
Trumbull, Lura Eloise (SE)	*Evanston, Ill.*
Tuft, Warren Raiborn	*Milwaukee*
Tyler, Stanley Allen	*Jefferson*
Urben, Walter John (M)	*Madison*
Van Doren, Burr Jessell (M)	*Antigo*
Vedder, Mary Jeannette (SE)	*Marshfield*
Vetter, Mae Mildred (SE)	*Stevens Point*
Vilas, M. Loraine (SE)	*Pierre, S. Dak.*
Vinson, Edward Stolte	*Milwaukee*
Vivas, Eliseo	*Brooklyn, N. Y.*
Vogel, Henry Eugene (M)	*Superior*
Vornholt, Paul Herman (SE)	*Madison*
Wagner, Grace V.	*Madison*
Waite, Stanley Eugene	*Oshkosh*
Wall, Willard Williams (M)	*Eau Claire*
Walters, Lucile M.	*Madison*
Walz, Gertrude Mae (SE)	*La Crosse*
Wang, Kuo Chung	*Washington, D. C.*
Wang, Te Liang (SE)	*Wuhan, China; Canton China*
Waterman, Irl Lloyd (M)	*Suring*
Watts, Alice Dorothy (M)	*Madison*
Waugh, Grace Frances (SE)	*Wauwatosa*
Wax, Max	*Milwaukee*
Weaver, Frank Max (L)	*Davenport, Iowa*
Webb, Dorothy Elizabeth (SE)	*Waukesha*
Webb, Evelyn	*Poynette*
Weber, Esther Bernice (SE)	*Johnson Creek*
Webster, Kenneth Fletcher	*Milwaukee*
Weil, Helena	*Evansville, Ind.*
Weiland, Herbert (SE)	*South Milwaukee*
Weinke, Ervin August (L)	*Sparta*
Weir, Earl Foster (M)	*Waupun*

Weisbrod, Ruth Emma (SE)	*Manawa*
Weissmiller, Lester Lee (M)	*Monticello*
Welsch, John Michael (M)	*Beaver Dam*
Welter, Deborah Lorraine	*Streator, Ill.*
Wendt, Floyd August (M)	*Lake Mills*
Wheatley, Stanley Allen	*Winnetka, Ill.*
Whitson, Merritt Bragdon	*Madison*
Wierciszewski, Regina Dorota (SE)	*Superior*
Wiese, Alyce (SE)	*Omaha, Nebr.*
Wilcox, Helen Ruth (SE)	*Janesville*
Wilder, Flora Margaret (SE)	*Wautoma*
Wilgus, Wallace L.	*Platteville,*
Wilke, Walter Herman (SE)	*Horicon*
Wilkins, Merva (SE)	*Chicago, Ill.*
Willard, Helen Delano (SE)	*Stoughton*
Willett, Dean (M)	*West Allis*
Williams, Katherine Elizabeth (SE)	*Racine*
Williams, David Leslie (M)	*Madison*
William, Dorothy Elizabeth (SE)	*Savanna, Ill.*
Williams, Margaret Ethelyn (SE)	*Cambria*
Williams, Mary Elizabeth (SE)	*Cambria*
Wilson, John Whiteside	*Milwaukee*
Winch, Leland Stanford (SE)	*Mazomanie*
Wing, Mary Genevieve (SE)	*Abbotsford*
Wing, Edith Mary Cameron	*La Crosse*
Wingen, Karl Joseph	*Elk Mound*
Winkler, Violet Rosalia (SE)	*Merton*
Winter, Margaret Elizabeth	*Negaunee, Mich.*
Wirka, Herman Wenzel (M)	*Madison*
Wiswell, Clifford Young (M)	*Elkhorn*
Witt, Mary Vivian	*St. Joseph, Mo.*
Wittwer, Selma Laura (SE)	*Madison*
Wolf, Florence Marlyn	*Chicago, Ill.*
Wolfrum, Camilla Romona (SE)	*West Bend*
Wollaeger, Charlotte Aline	*Milwaukee*
Wollangk, Orpha Ethel (SE)	*Oshkosh*
Wright, Mary Virginia (SE)	*Baraboo*
Yew, Chia-Chu	*Washington, D. C.*
Youngerman, Ervin Isadore (L)	*Milwaukee*
Zander, Berenice Augusta (SE)	*Two Rivers*
Zander, Eugene (L)	*Two Rivers*
Zealley, Irene Mitchell	*Milwaukee*
Zelson, Carl (M)	*Madison*
Zentner, Robert Adam	*Oshkosh*
Ziegwveid, Julian Anthony (L)	*Hinsdale, Ill.*
Zierer, Marie Gladys (SE)	*Appleton*
Zschiegner, Roy Lamar (SE)	*Baraboo*

COURSE IN COMMERCE

Albertus, Jean Cowing (SE)	*Jackson, Minn.*
Andersen, Iveaux William	*Neenah*
Anderson, Arthur Clifford	*Peshtigo*
Arnold, Eloise	*Eau Claire*
Aspinwall, William Harold	*Hurley*
Barnes, Kenneth Crawford (SE)	*Stevens Point*
Barron, Genevieve M. (SE)	*Fond du Lac*
Becker, Herbert John	*Appleton*
Best, John Stevens (L)	*Arlington Heights, Ill.*

Black, Edwin	*Oregon*
Blanchar, Arthur Edward	*Windsor*
Bolstein, Milton	*Sioux City, Ia.*
Bonner, Lloyd Vincent	*Oconto Falls*
Bowen, Msr. Beulah Miller	*Beloit*
Boyd, Milton Andrew	*Great Bend, Kans.*
Braaten, Sanford Arthur	*Sun Prairie*
Braatz, Clayton Oscar	*Wausau*
Bratton, William Cecil	*Chicago, Ill.*
Buenzli, Gregory Milton	*Madison*
Campbell, William Ernest (SE)	*Madison*
Campion, Joseph	*Brooklyn*
Carney, William George	*Milwaukee*
Cohen, Max	*Madison*
Custer, Lester Samuel	*Madison*
Dapin, Joseph	*Marion*
Dengel, Louise Hermina	*Madison*
Dippel, Herwald Lawrence	*Baraboo*
Doerfer, John Charles	*West Allis*
Donagan, Edward Francis	*Janesville*
Duff, Joseph Henry	*Madison*
Dumdey, Ned E.	*Markesan*
Dymond, Wayne Erwin	*Belvidere, Ill.*
Ellickson, Leo Lamont	*Cambridge*
Esser, Charles Francis	*Madison*
Fieting, John Watson	*Tomah*
Fischer, Frederick Herman	*Lake Mills*
Fischer, Richard Roemheld	*Milwaukee*
Forster, George	*Madison*
Friedrich, Herbert Armand	*Milwaukee*
Gladden Horace Arthur	*Alton, Ill.*
Graham, William Carleton	*Dodgeville*
Guenther, Claude Gilbert	*Fort Atkinson*
Hannum, Frances Amelia	*Madison*
Heck, Marcellus Armin Rudolf	*Mondovi*
Heiss, Newton Jerome	*Delavan*
Hingiss, Alfred Frederick	*Kiel*
Hohnback, George Davis	*Milwaukee*
Huber, Mortimer George	*Clinton*
Husting, Charles Otto	*Oshkosh*
Irwin, Gladys Genevieve	*Elroy*
Johnson, Bernice (SE)	*Bear Creek*
Jordan, James Robert	*Madison*
Kellogg, Charles James	*Edgerton*
Kiesling, Arthur George	*Fort Atkinson*
King, Frederick Emil	*Fulda, Minn.*
Knott, Donald Putnam	*Antigo*
Kroner, Marie Julia	*La Crosse*
Larson, Harold C.	*Rockford, Ill.*
Laughlin, Llewellyn Ball	*Poynette*
Lehmkuhl, Marvin Adolph	*River Forest, Ill.*
Lindner, Valetine Frank	*New Holstein*
Long, Herndon Hale	*Madison*
Markham, George Edward	*Manitowoc*
Martin, John Erhardt (SE)	*Helenville*
Mundstock, Edward Henry	*Madison*
Murphy, Paul Francis	*Rockford, Ill.*
Neuhauser, George Roy	*Pierre, S. Dak.*
Peacock, Ernest Maxwell	*Cuba City*
Peterson, Eugene Clair	*Blair*

Piepenhurg, Arthur Carl	*Brillion*
Pollock, Rose	*Chicago, Ill.*
Pope, William Prufrock	*Chicago, Ill.*
Race, Lincoln Frederick	*Omro*
Rardin, Maybelle Laura	*Colorado Springs, Colo.*
Rheineck, Russell Adolph	*Fort Atkinson*
Rhode, Marian Adele	*Madison*
Rothermel, Dennis Bellamy	*Plainfield*
Rusch, Martin William	*Chilton*
Sachs, Christine Frances (SE)	*Madison*
Schaars, Arthur Paul	*Merrill*
Schaller, Elmer Otto	*Chippewa Falls*
Schiebler, John Bartholomew	*Appleton*
Schleck, Reginald Richard	*Fennimore*
Schroeder, William Timme	*Kenosha*
Shifflett, Everett Judd	*Waterloo, N. Y.*
Shuminski, Stella Sarah	*Three Lakes*
Siren, Oscar Edward	*Iron Belt*
Sorenson, Richard N.	*Racine*
Spektor, Nathan	*Wausau*
Spooner, Lyle Erwin	*Elk Mound*
Stewart, William Paul	*Highland Park, Mich.*
Stoner, Edithe E. (SE)	*Valparaiso, Ind.*
Strauss, Raymond Carl	*Madison*
Swartz, Stanley D.	*Brodhead*
Thoma, Harry Charles	*Milwaukee*
Torson, Albert Leonard	*Eau Claire*
Towle, Francis Colon	*Wausau*
Tranmal, Sigurd	*Washburn*
Trayser, Charles Frederick	*Milwaukee*
Tuhns, Sidney	*Viroqua*
Weibrecht, Edgar Louis Ernest	*Milwaukee*
Wetzel, Wesley William	*Fort Atkinson*
Wheeler, Dudley Adams	*Racine*
Wittenberg, Milton Cornelius	*Milwaukee*
Wood, Marshall Bradley	*Rockford, Ill.*

COURSE IN JOURNALISM

Albrecht, Daniel Calvin	*Elkhart, Ind.*
Allen, Ruth Woolsey	*Chicago, Ill.*
Ashcraft, Elizabeth Marie	*Madison*
Bechler, Harold Edgar	*Milwaukee*
Bell, Mary Louise	*Milwaukee*
Biba, Carol Irene (SE)	*Muscoda*
Black, Katherine	*Baraboo*
Bloedel, Marion Lista	*Waupun*
Burnham, Rex Hollis	*Madison*
Capes, Florence	*Chicago, Ill.*
Clarke, Arnelda Blanche	*Kersey, Colorado*
Clausen, Stanley Edward	*Sheboygan*
Cohen, Joseph	*South Milwaukee*
Cohn, Ernestine	*Madison*
Colburn, Catherine Elizabeth	*Madison*
Eichler, Alfred Edward	*Marengo, Ill.*
Eisele, Louise Margaret	*Iron Mountain, Mich.*
Florez, Genaro Alvin	*Oak Park, Ill.*
Frusher, Katherine Genevieve (SE)	*Madison*
Gerling, George Fernand	*La Crosse*
Gibson, Herbert Franklin Jr.	*Duluth, Minn.*

Gottlieb, Alexander	*Hutchinson, Kans.*
Greene, Alan Earnest	*Barksdale*
Gutz, Max Urban	*Selby, S. Dak.*
Haight, Isadora Josephine	*Freeport, Ill.*
Hamer, Marjorie Lelah	*Woodstock, Ill.*
Hamilton, Charlotte Monona	*Madison*
Herbster, Helen Belrose	*Elgin, Ill.*
Higgins, Florence Jeanette	*Milwaukee*
Hinkley, Jessie Maria	*West Allis*
House, Genevieve Ruby	*Grand Junction, Colo.*
Knight, Aileen Cook	*Burlington*
Korbel, Alfred	*Milwaukee*
Krueger, Lilly Louise	*Madison*
Lauder, Ruth	*Viroqua*
McMurdy, Ada White (SE)	*Milwaukee*
Mattis, George Cyril (SE)	*Wooddale*
Max, Ethel Mildred	*Sheboygan*
Miller, Marian Jeanette	*Madison*
Morrissey, Donald Rothman	*Chilton*
Mueller, Carl Frederickson (SE)	*Madison*
Mueller, Virginia Dorothy	*Detroit, Mich.*
Olwin, Mrs. Orra Louise	*Springfield, Mo.*
Prideaux, Elinor Gertrude (SE)	*Madison*
Purcell, Alice Josephine (SE)	*Madison*
Reuter, Margaret Joan (SE)	*Madison*
Richards, Roswell Stanley (SE)	*Monticello*
Robertson, Harriett E'Lane	*San Antonio, Texas*
Schilling, Eunice Emelia (SE)	*New Holstein*
Schnathorst, William Theodore	*Moline, Ill.*
Shattuck, Lucile Mary	*Madison*
Sine, Idabel	*Chicago, Ill.*
Stephenson, George Raphael	*Cloquet, Minn.*
Sullivan, Claude Vincent	*Madison*
Swetil, Charles Harvey	*Milwaukee*
Tagatz, George Herman	*Neshkoro*
Taub, Florence	*Pueblo, Colo.*
Turner, Thomas Arthur	*Hartford*
Weller, Mae Marcia	*Milwaukee*
Wolever, John Frank	*Lafayette, Ind.*

COURSE IN HUMANITIES

Barney, Clara Alvina (SE)	*Prairie du Chien*
Bunting, Elizabeth	*Madison*
Clapp, Mrs. Bertha Marmein	*Madison*
Eschweiler, Mary	*Madison*
Heuer, Marie Gertrude (SE)	*Racine*
Kluckhohn, Clyde K.	*Le Mars, Iowa*
McCaughey, Sadie Esther (SE)	*Madison*
Nelson, Maria Kathryn	*Madison*
Peckham, Lucy Adell (SE)	*Madison*
Schindler, John Albert (M)	*New Glarus*
Schlatter, Dorothy Mary (SE)	*Madison*
Sellery, Helen (SE)	*Madison*
Wendt, iVola Sophia	*West Bend*

NORMAL COURSE

Adams, Rachael Jane	*Erie, Pa.*
Arnell, Sadie (SE)	*Balsam Lake*

Barnes, Marie A. (SE)	*Darlington*
Brunner, Emma Marion (SE)	*Leopolis*
Braun, Eleanor Frances	*Superior*
Coles, Florence Bernice (SE)	*Madison*
Cordy, Marjorie Ruth (SE)	*Compton, Calif.*
Davis, Esther F.	*Hudson*
Delaney, Dorothy Florence	*Erie, Pa.*
Engelbrecht, Elma Caroline	*Elgin, Ill.*
Fritsche, Mrs. Harriet Noel (SE)	*Whitewater*
Gaffney, Helen Margaret (SE)	*Milwaukee*
Giller, Esther	*Crookston, Minn.*
Govett, Vernice Mary (SE)	*Chisholm, Minn.*
Grenzow, William Henry (SE)	*Waupun*
Guimont, Marie De Lange	*Green Bay*
Hahn, Juliet	*Milwaukee*
Heathcote, Leila Fern (SE)	*Fennimore*
Jacobson, Irving Roy	*Hudson*
Johnson, Laura Terrill	*Oshkosh*
Lasher, John Howard (SE)	*Madison*
Little, Margaret Julia	*Campbellsport*
McArthur, Julia Campbell	*Superior*
McCormick, Ethel Helen (SE)	*Madison*
McLarty, Edith Lorraine	*Harvey, Ill.*
Nicholson, Alice Dorothy (SE)	*Oshkosh*
Nye, Mrs. Carolyn Lorraine	*Madison*
Peterson, Bessie Ruth	*Racine*
Rifleman, Armilda Rebecca	*Wausau*
Robinson, Margaret Isabel (SE)	*Platteville*
Rooney, Mae	*Madison*
Ruselink, Elsia Verona	*Sheboygan Falls*
Sachtjen, Maude (SE)	*Roscobel*
Schrode, Hulda Irene (SE)	*Stoughton*
Stone, Frances Ethel (SE)	*Chicago, Ill.*
Swingler, Alice Beatrice Marie	*Chicago, Ill.*
Tallard, Virginia Hope (SE)	*New Britain, Conn.*
Verhulst, Reta Jessie	*Milladore*
Wilkins, Anna Louise (SE)	*Erie, Pa.*

GENERAL COURSE

Bachelor of Philosophy

Allcott, John Volney	*Fond du Lac*
Amstutz, William	*Monticello*
Arne, Peter (SE)	*Eagle Grove, Iowa*
Beardmore, Malcolm Chandler	*Oshkosh*
Bick, Kenneth Francis (SE)	*Janesville*
Black, Martha Ellen (SE)	*Shawano*
Bookhout, Russell Frank	*Madison*
Bruce, Donald Eckert	*La Crosse*
Bundy, William Henry (L) (SE)	*Menomonie*
Burke, John Gerald	*Chicago, Ill.*
Carlson, Orville John	*Superior*
Childs, Cliff Lorne	*Eau Claire*
Clark, Selden McKinley	*Madison*
Clement, Veeda Pearl	*Madison*
Coffin, Gwen Tappen (SE) (L)	*Zenda*
Cole, Ruth Sarah	*Norwalk, Ohio*
Cooksey, Noble James	*Childress, Tex.*
Crofoot, Edwin	*Mason City, Iowa*

Crook, John Austin	*La Crosse*
Crouch, William	*Waukesha*
Cunningham, Thomas LaVerne	*Janesville*
Dahl, Violet Helen	*Superior*
Darling, Leeta Miriam (SE)	*Wauwatosa*
Davidson, William Herbert	*Milwaukee*
DeHaven, James W.	*South Bend, Ind.*
Dokken, Milo Gerhard	*Blue Mounds*
Dowding, Gwendolyn Florence	*Chicago, Ill.*
Doyle, Frank Edwin	*Madison*
Ela, Richard Emerson	*Madison*
Feile, Mildred Frieda (SE)	*Kiel*
Fernholz, Fern Gladys (S)	*Jefferson*
Ford, John Gale	*Milwaukee*
Gotstein, John I.	*Madison*
Grace, Stanley Dugan	*Oak Park, Ill.*
Gram, Harold William (SE)	*West Allis*
Groth, Hilmer A. (SE)	*Verona*
Hagemeister, Henry Frank	*Green Bay*
Hagerty, Charles Kerrwin	*Green Bay*
Haggerty, Frank Joseph	*Chicago, Ill.*
Hammond, Floyd Wayne	*Milroy, Ind.*
Harget, Edmond George (SE)	*La Crosse*
Harrington, Wells	*Oshkosh*
Heald, Charles James	*Sheboygan Falls*
Healy, Neussel Romeyn	*Milwaukee*
Healy, Tom Davis	*Fort Dodge, Iowa*
Hebl, Loraine (SE)	*Marshall*
Heil, George Anselm	*Madison*
Hill, Harland	*Baraboo*
Hinderliter, Don Riggs	*Tulsa, Okla.*
Hunkel, Victor Henry	*Milwaukee*
Jacobs, George Frederick (SE)	*Mukwonago*
Kahlenberg, Marion Ellen (SE)	*Two Rivers*
Kasdin, Helen Leah (SE)	*Madison*
Kasiska, Robert Harold	*Baraboo*
Kennedy, Sam Grant Jr.	*Tulsa, Okla.*
Kessler, Fred John (SE)	*Watertown*
Klosterman, George Henry	*Shawano*
Kuehn, Laura Louise (SE)	*Burnett*
Kynaston, Donald Drake	*Milwaukee*
Lambeau, Raymond Emil	*Green Bay*
Larson, La Verne Edward	*Waukesha*
Leigh, John Richard (L)	*Chicago, Ill.*
Lyon, Verne Wesley	*Chicago, Ill.*
MacCartney, William R.	*Chicago, Ill.*
Martin, Barbara Frances (SE)	*Madison*
Mattek, Wencel Anton	*Deerbrook*
Meyer, Harold William	*Portage*
Meyer, Pauline Kemper	*Platteville*
Meyer, William Carter	*Appleton*
Miller, Godfrey James (L)	*South Bend, Ind.*
Moran, Howard Francis	*Madison*
Morgan, Clair Jay	*River Falls*
Morris, Jack	*Sheboygan*
Nagler, Louis G. (L)	*Osceola*
Nelson, George Balster (SE)	*Madison*
Newman, Irving Joseph	*Milwaukee*
Olson, Earl Leroy	*Madison*
Pahlmeyer, Ralph Bernard (SE)	*Madison*

Perlman, Harold Leonard	*Chicago, Ill.*
Porter, Edward Clark	*Hubbard Woods, Ill.*
Potter, Charles Augustus	*Rudolph, Ohio*
Prahl, Milton Arthur (SE)	*Milwaukee*
Purcell, Paul Edward (SE)	*Madison*
Reeves, William Tatem, Jr.	*Evanston, Ill.*
Richardson, Harold Davis (SE)	*Dodgeville*
Roberts, Harold Servagnet	*Kansas City, Mo.*
Rood, Lloyd Henry	*Baraboo*
Rose, J. Harold	*Madison*
Ross, John James	*Mineral Point*
Schmitz, Frank John	*Madison*
Schuetz, Ralph Erhart	*Chicago, Ill.*
Sears, Robert Mac Pherson	*Madison*
Seary, John	*New Sharon, Iowa*
Semb, Melvin (SE)	*Galesville*
Seneca, Anthony Francis	*West Allis*
Silverman, Helen (SE)	*Marathon*
Smith, Ralph William	*Moline, Ill.*
Spielman, Oscar Peter J.	*Park Ridge, Ill.*
Standiford, Ifa Doran	*Wilton*
Stevenson, Hampton Rich	*Ionia, Mich.*
Straka, Ethel Ruth (SE)	*Milwaukee*
Sullivan, Michael Patrick	*Chicago, Ill.*
Swallow, Richard Hamilton	*Danville, Ill.*
Treichel, William Charles (L)	*Racine*
Trenary, Donald Colvin	*Kenosha*
Wacksmuth, Julian Henry	*Bayfield*
Walter, Luella Cameron	*Oshkosh*
Ward, Willard Carl	*Fond du Lac*
Watkins, Stanley Boley	*Barneveld*
Winkler, Marvin Oscar (SE)	*Chilton*
Wood, Frank Blaine	*Madison*
Young, Frederick James	*Madison*
Ziebell, Bernice Abigail	*Beloit*

CHEMISTRY COURSE

Behrens, Fred Bernard	*Sheboygan*
Bell, Joseph M.	*Milwaukee*
Bloedorn, Clyde Henry	*Polar*
Clark, Jared Wilson	*Menomonie*
Dietzler, Andrew Joseph	*Hartford*
Finlay, Alexander Carpenter	*Erie, Pa.*
Fogelberg, John Marshall	*South Range*
Foote, Marian Esther	*Madison*
Gifford, Arleigh Dan	*Elgin, Ill.*
Hansen, Lester Arnold	*Oshkosh*
Hitchcock, Arthur Van Brocklin	*La Grange, Ill.*
Hudson, Leslie John	*San Nicolas, Argentine*
Kerner, Florence Marie	*Milwaukee*
Kierzkowski, John Edmond	*Cudahy*
Knight, Oliver Drake	*Madison*
Koelsch, C. Frederick	*Boise, Idaho*
Kramer, Edward Noble	*Oregon*
Marquardt, Ralph Roberts	*Sauk City*
Perlman, William	*Lake Mills*
Ritchie, Florence Elizabeth	*Beaver, Pa.*
Stanley, George	*Baraboo*
Steiner, John Franklin	*Milwaukee*
Tallard, Elenore Hobbins	*Madison*

Thompson, Lavinia Huff	*Gresham, Nebr.*
Thompson, Wenzel Slack	*La Crosse*
Todd, Wilbert R.	*Waukesha*
Ver Bryck, James Leslie	*Fond du Lac*
Wegner, Victor Arthur	*Beaver Dam*
Wendt, Karl Rinner	*Milwaukee*
Woodstock, Willard Howard	*Madison*

CHEMISTRY-COMMERCE COURSE

Ansorge, Elmer Arthur	*Milwaukee*
Bachhuber, Roman	*Mayville*
Crowell, Arthur Burnell	*Park Ridge, Ill.*
Radsch, Rex William	*Kaukauna*
Schwebs, Arthur Conrad	*Windsor*
Tuttle, Max	*Balsam Lake*
Woodsome, John Osbourne	*Oak Park, Ill.*
Zola, John Charles	*Two Rivers*

COURSE IN PHYSICAL EDUCATION

School of Education

Ace, Burdette W.	*Madison*
Andersen, Charlotte Ann	*Madison*
Anderson, Ruth Mildred	*South Hibbing, Minn.*
Beebe, Lucille Ruth	*Tulsa, Okla.*
Bennion, Mildred	*Salt Lake City, Utah*
Blegan, Constance Helene	*Hudson*
Boggs, Margaret Anne	*Topeka, Kans.*
Bolyard, Miriam Nelson	*Creston, Iowa*
Brock, Marion Catherine	*Milwaukee*
Burbidge, Earl	*Chicago, Ill.*
Cole, Carol Frances (SE)	*St. Louis, Mo.*
Culver, Gladys Marie	*Sioux Falls, S. Dak.*
Deibler, Elizabeth Catherine	*McAlester, Okla.*
Dewhurst, Helen Margaret	*Calhan, Colo.*
Ekdahl, May Victoria	*Williams Bay*
Ellis, Mary Virginia	*Wichita, Kans.*
Fax, Ruth Annabel	*Chicago, Ill.*
Frazer, Rachel A.	*Lockport, N. Y.*
Freuck, Herman	*Chicago, Ill.*
Gelder, Bernice Blanche	*Milwaukee*
Gibbs, Emma Leona	*Maplewood, Oregon*
Glossinger, Gertrude	*Chicago, Ill.*
Goodlad, John LeRoy	*Madison*
Hardenbergh, Helen (SE)	*Minneapolis, Minn.*
Hellebrandt, Beatrice	*Madison*
Hellebrandt, Frances A. (M)	*Chicago, Ill.*
Henry, Fae Alberta	*Beloit*
Holmes, Glenn T. (SE)	*Freeport, Ill.*
Hoopes, Helen Lorraine	*Forest Hill, Md.*
Jacobson, Mildred Dorothy	*Dayton, Iowa*
Jamieson, Mary Joan	*Shullsburg*
Jones, Olive Lucille	*Waterville, Maine*
Jones, Sarah Genevieve	*Pittsburgh, Pa.*
Jones, Willis Leslie	*Madison*
Lakin, Emma	*Gary, Ind.*
Larson, Dudley	*Beloit*
Leland, Marna Merle	*Keyon, Minn.*
McKee, Mary Belle	*Birmingham, Ohio*

Maurer, Maurine Duerdine	*Chicago, Ill.*
Mazanec, Blanche Mary	*Chicago, Ill.*
Merton, Sibley Nancy	*Clayton, Mo.*
Mullen, Ruth Sarah	*Madison*
Nauts, Alice	*Toledo, Ohio*
North, Izetta	*Salt Lake City, Utah*
Oehler, Helen	*Snyder, N. Y.*
Paton, Ruby Katherine	*Superior*
Praxl, Hannah Emma	*Chicago, Ill.*
Ruch, Marian S.	*Peoria, Ill.*
Selinger, Regina	*Chicago, Ill.*
Smith, Winifred Gardiner	*Red Wing, Minn.*
Sovereign, Barbara Jean	*Riverside, Ill.*
Thomas, Beatrice Estelle	*Bellingham, Wash.*
Von Bremer, George Alexander	*Chicago, Ill.*
Wahlquist, Evelyn Louise	*North Hibbing, Minn.*
Winder, Gordon Charles	*Richland Center*
Wrend, Joseph	*Madison*
Ziebell, Ernest William	*Wausau*

COURSE IN APPLIED ARTS

School of Education

Abert, Byron Donald	*Milwaukee*
Allcott, Ruth Evelyn	*Madison*
Baird, Rachel Elizabeth	*Fort Wayne, Ind.*
Blake, Mabel Grace	*Oshkosh*
Carns, Margaret Robyn	*New York, N. Y.*
Chandler, Mrs. Violet Geneva	*Eau Claire*
Child, Patricia Peyton	*Wyoming, Ohio*
Cole, Margaret Valeria	*Madison*
Drake, Margaret Park	*Madison*
Febock, Helen Schimming	*Madison*
Fesler, Evelyn	*Chicago, Ill.*
Forrest, William Richard	*Madison*
Foster, Helen Margaret Krembs	*Fond du Lac*
Geffert, Lucile Dorothy	*Madison*
Gregory, Dorothy Emma	*Minneapolis, Minn.*
Guenther, Winfried V.	*Madison*
Howell, Barbara Davidson	*Hinsdale, Ill.*
Hugo, Mary Luellen	*Wausau*
Kellogg, Ruth Chandler	*Chicago, Ill.*
Lamb, Leland Douglas	*Fond du Lac*
McCullough, Helen Marion	*Madison*
Orcutt, Lester Raymond	*Fontana*
Patterson, Helen Elizabeth	*Milwaukee*
Pettker, Marie Martha	*St. Louis, Mo.*
Posthuma, Helen Marjorie	*Chicago, Ill.*
Rasmussen, Sigrid B.	*River Falls*
Rex, Verna Leah	*Juneau*
Rhode, Richard Masson	*Madison*
SeCheverell, Claudine Dee	*Madison*
Selmer, Florence Marie	*Green Bay*
Simmons, Elizabeth Sturges (SE)	*Chicago, Ill.*
Stondall, Alice Mandt	*Madison*
Trachte, Esther Flora	*Madison*
Wallin, Adele	*Duluth, Minn.*
Whitson, Rosamond Louise	*Madison*
Williams, Mary Catherine	*Madison*

COURSE IN INDUSTRIAL EDUCATION

School of Education

Eastman, Douglas N.	*Platteville*
Engelking, Chester Arthur	*Sheboygan*
Janecek, Gordon Joseph	*Milwaukee*
Richter, Walter Herman	*Milwaukee*
Smith, George Burr	*Three Rivers, Mich.*
Smith, Harold Robert	*Randolph*
Swigart, Russell Armon	*Logansport, Ind.*
Trefz, William Arthur	*Rockford, Ill.*
Webster, Laurence J.	*Platteville*

PHARMACY

Four-Year Course

Aylward, Frances Ann	*Madison*
Belzer, Lucille	*Appleton*
Boob, Roma Edgar	*McHenry, Ill.*
Checkik, Sam	*Madison*
Clasen, Edward William	*St. Louis, Mo.*
Engler, Eugene Frederick	*Cassville*
Fuka, Lawrence John	*Manitowoc*
Goldberg, Myron Max	*Stevens Point*
Johnson, Charles Melbourne	*Madison*
Knapp, John Adam	*Park Falls*
Monastersky, Harry	*Stevens Point*
Nathenson, Herman	*Madison*
Nichols, Milton Elmer	*Oconto*
Rottman, Sam Robert	*Milwaukee*
Schefrin, Alex Malcolm	*Milwaukee*
Schulz, Henry William	*Random Lake*
Sondern, Clarence William	*Milwaukee*

THREE AND TWO YEAR COURSES

Colby, Foster Lloyd	*Mondovi*
Dettloff, Frederick Charles	*Madison*
Henrich, Mrs. Hilda Caroline	*Superior*
Hess, Addie Frances	*Cazenovia*
Hoelzel, Philipp Henry	*Watertown*
Lauck, Albert	*Freeport, Ill.*
Norris, Leighton Cyrus	*Madison*
Plost, Louis David	*Superior*
Wulff, Carl Alfred	*Grafton*
Yabroff, Samuel	*Sun Prairie*

COURSE IN HYGIENE

Baumgartner, Maxine Alice	*Monroe*
Buellesbach, Ruth Magdalene	*Delafield*
Coe, Caryl Frances	*Barron*
Folsom, Helen Mae	*Fond du Lac*
Huerth, Edith Josephine	*Sauk City*
Porter, Edith Darline	*Madison*
Stolen, Theresa	*Madison*

GRADUATE NURSE

Finkh, Evelyn L.	*Janesville*
Hessert, Dorothea Marianna	*Plymouth*
Magistad, Janet A.	*Forestville*
Markuson, Regina Minnie	*Madison*

Martin, Eva Mae	*Richland Center*
Neil, Margaret Elizabeth	*Bark River, Mich.*
Runnels, Gladys Francis	*Wautoma*
Schleuter, Claire Marie	*Cascade*
Sweet, Elizabeth Albro	*Fond du Lac*
Vroom, Jeanette Beekman	*Centerton, Ark.*
Wiig, Carol Maud	*Cottage Grove*
Woeffer, Mabelle Alice	*Waterloo*

MUSIC

Birong, Catherine Genevieve M. (SE)	*Madison*
Chase, Marian Ruth (SE)	*Madison*
Damsteegt, Walter Garret M. (SE)	*Brandon*
Dixon, Judith Edwards (SE)	*Madison*
Eldridge, Jennie (SE)	*Durand*
Goldin, Sarah (SE)	*Madison*
Haentzschel, Edna Augustana (SE)	*Madison*
Hannum, Betty Floje (SE)	*Chicago, Ill.*
Heise, Flora W. (SE)	*Green Bay*
Hunter, Lucy Elizabeth (SE)	*Madison*
Kraege, Helen Ernestine (SE)	*Madison*
McCollister, Edith	*Jerseyville, Ill.*
Nickles, Monona Louise (SE)	*Madison*
Nott, Mabel Lela (SE)	*Janesville*
Paris, Blanche Wright (SE)	*Prairie du Chien*
Pollock, Florence Bonita (SE)	*Madison*
Ryan, Winefrid	*Madison*
Sachse, Viola Lydia (SE)	*Sheboygan*
Stark, Anna Lydia (SE)	*Madison*
Torkelson, Helena Christina (SE)	*Merrill*
Wagner, Adelheid Ida (SE)	*Sun Prairie*
Washburn, Justin Charles (SE)	*New York, N. Y.*
Watrous, Aleen (SE)	*Madison*
Watts, Mary Frances (SE)	*Madison*
Wheeler, Carol Leona (SE)	*Viroqua*
Wise, Beata Katherine (SE)	*Platteville*
Wood, Enid Elzora (SE)	*Madison*

JUNIORS

Aaberg, Monrad Edward	Pre-Med	*Greenwood*
Aase, John Marcus	LS	*Mondovi*
Abramson, Ervin Isador	CC	*Milwaukee*
Achenbach, Howard John	PhIV	*Alma*
Adams, Vivian Isabella	LS	*Grand Rapids, Mich.*
Ahern, Margaret Loretta	LS	*Madison*
Ahrbecker, Harold Louis (SE)	AA	*Chicago, Ill.*
Alderson, Bertha Irene	LS	*Beloit*
Alexander, Billie Glenne	LS	*Chicago, Ill.*
Alexander, Josephine Grigg	LS	*Milwaukee*
Alexander, Martha Romaine (SE)	PhysEd	*Wheaton, Ill.*
Alinder, Anne Esther	CC	*Milwaukee*
Allen, Elizabeth Winslow (SE)	PhysEd	*Valley City, N. Dak.*
Allen, Georgia Florence	LS	*Belleville*
Allen, Gibbs Rue	LS	*Madison*
Allen, Jane Covington	LS	*Clarksdale, Miss.*
Alsop, Margaret	CJ	*Fargo, N. Dak.*
Anasis, Steve Emanuel	LS	*Fond du Lac*
Altendorf, George	ChC	*Milwaukee*

Altpeter, Bernice Marie	LS	*Wauwatosa*
Alvis, Mildred Pansy (SE)	LS	*Madison*
Anderson, Anna Vivian	LS	*Chicago, Ill.*
Anderson, Arthur Bernard	LS	*North Fond du Lac*
Anderson, Elizabeth Rose (SE)	LS	*Edgerton*
Anderson, Irene Dorothy (SE)	LS	*Biwabik, Minn.*
Anderson, Margaret Eleanor (SE)	Mu	*Chicago, Ill.*
Anderson, Margaret Ellen (SE)	Mu	*Kankakee, Ill.*
Anderson, Stanley William	PhIV	*Cushing*
Anderson, Waldemar Beuhardt	LS	*Chippewa Falls*
Andree, Roy Ellsworth	LS	*Oak Park, Ill.*
Antine, David	CC	*Milwaukee*
Antonius, Leslie Earle	LS	*Lake Elmo, Minn.*
Armstrong, Eleanor J.	LS	*Green Bay*
Armstrong, J. Harold	GenC	*Madison*
Arnold, Robert	LS	*Duluth, Minn.*
Arthur, Glenn Harris	CC	*Dodgeville*
Ash, John Porter	CJ	*South Bend, Ind.*
Aubin, Francis Wilfred	Pre-Med	*Peshtigo*
Babcock, Elizabeth Lovina (SE)	LS	*Lockport, N. Y.*
Bachhuber, Max Otto	Pre-Med	*Mayville*
Backus, August Charles	LS, L	*Milwaukee*
Baillie, Edward Charles	PhIV	*Chicago, Ill.*
Baker, Harold Ralph	CH	*Portage*
Baluss, Fred Virginia	Mu	*Duluth, Minn.*
Banfield, Norman Charles	GenC	*Cuba City*
Barber, Josephine Louise	LS	*Oak Park, Ill.*
Barker, Helen Louise	LS	*Oak Park, Ill.*
Barr, Donald Earl	GenC	*St. Cloud, Minn.*
Barry, Margaret Ita (SE)	PhysEd	*Milwaukee*
Barstow, Mary Irene (SE)	LS	*Menominee, Mich.*
Bartelt, August Werner	LS	*Campbellsport*
Bartholomy, Jean Catherine (SE)	LS	*Oak Park, Ill.*
Basset, Josephine Bevelyn (SE)	LS	*Baraboo*
Bast, Orval Dorman	CC	*Green Bay*
Bastiani, Nelda	LS	*Evanston, Ill.*
Bates, Kirk Monroe	CJ	*Milwaukee*
Batten, Alice Eileen	HygC	*Madison*
Bauch, Dorothy Christine (SE)	LS	*Milwaukee*
Bauer, Fannie Sterne	CJ	*Memphis, Tenn.*
Bauman, John Casper	LS	*South Euclid, Ohio*
Baumann, Carl A. (SE)	ChC	*Milwaukee*
Baumann, Fred William	LS	*Racine*
Baumann, Karl Ferdinand Edwin	LS	*Milwaukee*
Becker, Ezra (SE)	LS	*Galesville*
Becker, Hadassah Miriam	Mu	*Monroe*
Beckley, Willard Mack	LS	*La Grange, Ill.*
Bedessem, Roy Victor	ChC	*La Crosse*
Beebe, Edmer	Pre-Med	*Bayfield*
Beebe, Norman Sylvester	Pre-Med	*New Richmond*
Beeman, Arthur Edward	LS	*Neenah*
Bell, Davis William Jr.	LS	*Lynchburg, Va.*
Bell, Elynore Adeline (SE)	LS	*Madison*
Bell, Fern Ruth (SE)	LS	*Madison*
Bell, Lois	LS	*Green Bay*
Belter, Roy Alfred	GenC	*Milwaukee*
Benson, Robert Gideon	Pre-Med	*Richland Center*
Bergland, Elsie Irene (SE)	PhysEduc	*Berwyn, Ill.*
Berkness, Evelyn Carolyn (SE)	LS	*Oconomowoc*
Berryhill, Grace Elizabeth	LS	*Evansville, Ind.*

Bespalow, Anita Violet (SE)	LS	*Chicago, Ill.*
Best, Leslie George	LS	*Rochester*
Beyreis, Gertrude Margaret (SE)	CC	*Wausau*
Bickel, Alice Elmine	CJ	*Reeseville*
Bickel, Ralph Forrest	Pre-Med	*Oshkosh*
Biehl, Robert Gregory (SE)	LS	*Prairie du Chien*
Biggar, Jane Wilson	LS	*Oak Park, Ill.*
Biggar, Lucy (SE)	LS	*Edgerton*
Bingham, William Theodore	CC	*Tomahawk*
Birnbaum, William Robert	Pre-Med	*La Crosse*
Birt, Elizabeth	LS	*Edgerton, Mo.*
Bishop, Virginia May	CH	*Madison*
Black, Helen Louise	LS	*La Grange*
Blake, George Golder	GenC	*Madison*
Blanchard, Porter Bevan	Pre-Med	*Linden*
Blanchard, George Wilbert	LS	*Racine*
Blied, Arthur A.	CC	*Madison*
Blum, Anna Ottillia	LS	*Monroe*
Boettcher, Mrs. Ethyle Clarke (SE)	NorC	*Madison*
Bogart, Grace Elizabeth (SE)	LS	*Madison*
Bohren, Marcella May	ChC	*Madison*
Bohri, Olivia Marie	LS	*Fountain City*
Boland, Helen Elizabeth	LS	*Detroit, Mich.*
Boone, Marion	LS	*Chicago, Ill.*
Borre, Herbert Nicholas Joseph	CJ	*Evanston, Ill.*
Boughner, Beatrice (SE)	LS	*Grand Rapids, Mich.*
Bovier, Elizabeth Sayre	LS	*Elmira, N. Y.*
Bowen. Arlan	GenC	*Osseo*
Bowers, Roscoe Rufus	LS	*Carbondale, Ill.*
Boyer, Helen Nafe (SE)	Pre-Med	*Muskegon, Mich.*
Brackin, Lorene D. (SE)	GenC	*River Falls*
Bradley, Audrey Emily	GenC	*Oak Park, Ill.*
Bradshaw, Max	LS	*Compton, Ill.*
Brandt, Frederick William	GenC	*Watertown*
Brammer, Margaret Elizabeth	LS	*Redwood Falls, Minn.*
Branson, Bertha Henry	LS	*Clear Lake, Iowa*
Brayton, Potter	M	*Madison*
Bray, Gwentholyn Mary	LS	*Delavan*
Brazeau, Bernard C.	LS	*Wisconsin Rapids*
Breckenfeld, Irving James (SE)	PhysEd	*Racine*
Breitenbach, Casper Hank	CC	*Madison*
Brennan, Donald Thomas (SE)	LS	*Manitowoc*
Brennan, John Emil	LS	*Milwaukee*
Briggs, Leland Griffin (SE)	AA	*Madison*
Brility, Frank	LS	*Milwaukee*
Brill, Martin Sol	LS	*Milwaukee*
Brody, Edward William	LS	*Milwaukee*
Bromer, Dorothy	LS	*Hanover, Pa.*
Brossard, Glen Augustus	GenC	*Fall River*
Brott, Everel William	Pre-Med	*Marinette*
Brough, Ileene Hill	CJ	*Lincoln, Ill.*
Brown, Dorothy Margaret	LS	*Mount Horeb*
Brown, Josephine	LS	*Kansas City, Mo.*
Brown, L. Wayneworth	ChC	*Milwaukee*
Brummond, Walter Herman	LS	*Menomonie*
Bryant, Herbert Preston	GenC	*Washington, D. C.*
Brye, Louise Charlotte (SE)	LS	*Madison*
Bull, Augusta Jane	LS	*Redfield, S. Dak.*
Bulley, Edward William	Pre-Med	*Wauwatosa*
Bunker, Isabel Blanche	LS	*La Grange, Ill.*

Buran, Svere Fred	Pre-Med	*Merrill*
Burgess, William	CJ	*La Crosse*
Burnham, John Postel	LS	*Richland Center*
Bushnell, Lowell Francis	Pre-Med	*Danville*
Busse, Lucille Kathryn	LS	*Green Lake*
Bussey, Ellen Elizabeth (SE)	LS	*Edgerton*
Butterfield, Gladys Iola	CJ	*Dallas Center, Texas*
Byrns, Lois-Anne Elizabeth	LS	*Madison*
Cady, Kendall	GenC	*Green Bay*
Caldwell, Agnes Elizabeth (SE)	M	*Morrisonville*
Caldwell, Dessa Margaret (SE)	GenC	*Poynette*
Caldwell, Donald Marion	LS(Med)	*Rio*
Caldwell, Esther	LS	*St. Croix Falls*
Caldwell, Marvel Elizabeth	LS	*Poynette*
Caldwell, Tirzah Ann (SE)	LS	*Poynette*
Campbell, Ora Irene	LS	*Dodgeville*
Campbell, William George	ChC	*Delavan*
Canfield, Dorothy Vernon (SE)	LS	*Antigo*
Capener, Ormand Wendell	LS	*Baraboo*
Card, Hazel Loraine (SE)	LS	*Markesan*
Carey, Mary Dutton (SE)	LS	*Pittsfield, Ill.*
Carpenter, Hazen Clair	LS	*Waukesha*
Carraher, Irene Margaret	LS	*La Crosse*
Carter, Emmadora	LS	*La Crosse*
Carter, Iliff Maurine (SE)	LS	*Greenwood*
Case, Theodore Wright	GenC	*Milwaukee*
Casterline, Margaret Lee	LS	*Milwaukee*
Caswell, Lewis Earle (SE)	PhysEd	*Madison*
Caverno, Margaret Morriss	LS	*Canalon, Mo.*
Chambers, John Stephen	ChC	*Madison*
Chamberlain, Adrienne Ameba	CJ	*Chicago, Ill.*
Chamberlin, Harlow Lot	Pre-Med	*Madison*
Chang, Chi Hsien	LS	*Washington, D. C.*
Chase, Beatrice Tucker (SE)	LS	*Madison*
Chase, Curtis Waite	LS(Med)	*Janesville*
Chase, Lynn	Pre-Med	*Madison*
Chechik, Kathryn	LS	*Madison*
Chesley, Catheryn Olivia (SE)	LS	*Armour, S. Dak.*
Chichester, James Hinchman	LS	*Chetek*
Christensen, Margaret Lyngholm	CJ	*Racine*
Christiansen, Fae Lorine	LS	*Wilmette, Ill.*
Chu Dauphin	LS	*Changsha, China*
Church, Helen Crobert (SE)	LS	*Milwaukee*
Cizon, Ruth (SE)	LS	*Milwaukee*
Clark, Dorothy K.	AA	*Madison*
Clark, James John	Pre-Med	*Janesville*
Clark, Owen Clifford	LS(Med)	*Madison*
Clark, Oliver Perry Jr.	PhIV	*Chillicothe, Mo.*
Clarke, Franklin Willis	LS	*Madison*
Clugston, Elizabeth Anne (SE)	LS	Columbia City, Ind.
Clum, Vera Alice	J	*Wauwatosa*
Cochrane, Helen Gertrude (SE)	LS	*Portage*
Coen, Clara Elizabeth (SE)	PhysEd	*Detroit, Mich.*
Coffey, Charles Adams	LS	*Chicago, Ill.*
Coffin, Esther Maye	CC	*Madison*
Cohen, Saul Bernard	LS	*Brooklyn, N. Y.*
Cohn, David	LS	*Milwaukee*
Cohn, Sammie	CC	*Walworth*
Coke, Rawlins Steele	LS	*Milwaukee*
Cole, Edward Perine	LS	*Atlantic, Iowa*

Cole, Lydon Briggs	LS	*Madison*
Collier, Frances Jane	LS	*Racine*
Collins, Catherine Mary (SE)	LS	*Madison*
Collins, Virginia Catherine	LS	*Minneapolis, Minn.*
Colman, Helen	LS	*La Crosse*
Colman, Susan Elizabeth (SE)	NorC	*Superior*
Colter, Leah Geraldine	CC	*Decatur, Ind.*
Conlin, Hazel Marion	PhysEd	*Coral Gables, Fla.*
Conner, Ralph	LS	*Cincinnati, Ohio*
Connor, Gordon Robert	LS	*Marshfield*
Cook, Dorothea Hoffmann	LS	*New York, N. Y.*
Corbus, Budd Clarke	Pre-Med	*Evanston, Ill.*
Correll, Evelyn Claire	LS	*Memphis, Tenn.*
Cory, Niel Harvey	CC	*Cudahy*
Costello, Carl Bossard	CJ	*Grand Rapids, Minn*
Covitz, Irene	CJ	*Flint, Mich.*
Cowgill, Eileen Ann (SE)	AA	*Madison*
Cox, Bernice Louise	LS	*Nashwank, Minn.*
Coxon, Eleanor Louise (SE)	AA	*Madison*
Creber, Alice Josephine	LS	*Chicago, Ill.*
Credicott, Richard James	LS	*Freeport, Ill.*
Critchell, Ruth (SE)	LS	*Chicago, Ill.*
Cron, Laura Kathryn	LS	*Kankakee, Ill.*
Crone, Emma Jane	LS	*Marathon*
Crouse, Edward Cass	CJ	*Rochelle, Ill.*
Crowell, George Kenneth	LS	*Almond*
Crummey, Loleta Martha (SE)	CC	*Madison*
Cubela, Frances Ann	LS	*Muscoda*
Curran, Edward Paul	LS	*Edgerton*
Curtis, Alexander Robert	LS	*Kenosha*
Curtiss, Mary Chapman	GenC	*Athens, Pa.*
Curtis, Gerard Warren	ChC	*Wauwatosa*
Dadmun, Mary Tuttle	LS	*Whitewater*
Dahl, Lucile	LS	*Bismarck, N. Dak.*
Dahlk, Mary Edith	HgyC	*Madison*
Dalenberg, Ramona (SE)	PhysEd	*Chicago, Ill.*
Dallwig, Helen Grace (SE)	LS	*Manitowoc*
Danielson, Marion Olive (SE)	LS	*Waupun*
Davidson, Max	LS	*Milwaukee*
Davies, Ruth Elizabeth (SE)	PhysEd	*Milwaukee*
Davis, Bess L.	LS	*Lakewood, Ohio*
Davis, Dana	PhysEd	*Mobile, Ala.*
Davis, Dorothy Santee	LS	*Plymouth*
Davis, Eleanore Angeline (SE)	AA	*Madison*
Davis, Elmer Raymond	LS	*Watertown*
Davis, Harlan Goldwyn	LS	*Milwaukee*
Davis, Sallie	LS	*Oak Park, Ill.*
Davis, Wilbur Marchants (SE)	LS	*Reedsburg*
Davison, Hollis Gundy	LS	*Peshtigo*
Davlin, Catherine Mary (SE)	LS	*Berlin*
Day, Helen	LS	*Bethseda, Md.*
Deadman, June Elizabeth (SE)	LS	*Madison*
Dean, Orlin Camp	LS	*Hanover*
DeBow, Ruth Anne (SE)	LS	*Kalamazoo, Mich.*
DeGraw, Clemence	LS	*River Forest, Ill.*
DeHaven, John Robert	LS	*South Bend, Ind.*
Delavan, Louise Helen	LS	*Sheboygan Falls*
Derbyshire, Russel Clay (SE)	LS	*Omaha, Nebr.*
Deschamps, Catherine	LS	*Milwaukee*
DeWeese Mary	LS	*Kansas City, Mo.*

DeWein, Mary	LS	*Milwaukee*
Dexter, Kathryn Frances (SE)	LS	*Allegan, Mich.*
Dick, Aileen Elizabeth	LS	*Alton, Ill.*
Diebold, Elizabeth Helen (SE)	LS	*Madison*
Diemer, Leila Elinor (SE)	LS	*Brodhead*
Dillenbeck, Marjorie Emily (SE)	LS	*Baraboo*
Dines, Helen	LS	*Evanston, Ill.*
Dobrovsky, Ivan M.	LS	*Sofia, Bulgaria*
Dobrovsky, Todor M.	Pre-Med	*Samokov, Bulgaria*
Dobrushken, John David	ChC	*Marinette*
Dodge, Fred Wilson	ChCC	*Portage*
Doering, Gertrude Anne	LS	*Toledo, Ohio*
Donaldson, Leroy Kennith	LS	*New Castle, Pa.*
Donlin, William Francis	Pre-Med	*Madison*
Donnelly, Marion E.	CC	*Appleton*
Donovan, Dorothea M.	CJ	*Billings, Mont.*
Dowell, Mary Elizabeth (SE)	LS	*Riverside, Ill.*
Doyle, Arvin Francis	LS	*Madison*
Doyle, Jean	LS	*Madison*
Doyle, John Francis	PhysEd	*Waukegan, Ill.*
Dragoo, Florence Eldred	LS	*St. Cloud, Minn.*
Drake, George F.	LS	*Eau Claire*
Draper, Dorothy K.	LS	*North Freedom*
Drasnin, Gertrude Glada	PhysEd	*Charleston, W. Va.*
Draxler, John Henry	CC	*Glenwood City*
Drebin, Helen Edith (SE)	PhysEd	*Big Rajids, Mich.*
Dresden, Katherine Woodrow (SE)	LS	*Ladysmith*
Dresser, Frederick William (SE)	CJ	*Madison*
Driessen, Marion Moore	LS	*Marion*
Droppers, Jean Marion	CJ	*Milwaukee*
Droppers, Marjorie Jane	CJ	*Milwaukee*
Droster, Marie Frieda (SE)	LS	*Madison*
Drummond, James Wheeler	LS	*Duluth, Minn.*
Dubinsky, Harold Will	LS	*St. Louis, Mo.*
Duerst, Vernon Clarence (SE)	PhysEd	*New Glarus*
Duffield, Eugene Schulte	CJ	*Denver, Colo.*
Dunegan, Dorothy Anne	LS	*Stevens Point*
Dunlop, Josephine	LS	*Pueblo, Colo.*
Dutton, Helen Elizabeth	LS	*Detroit, Mich.*
Dwyer, Alice Ann	NorC	*DePere*
Eastin, Donovan Arthur (SE)	AA	*Kewanee, Ill.*
Eckers, Walter Frederick	GenC	*Milwaukee*
Edge, Cora Kate	LS	*Platteville*
Edwards, Catherine Louise (SE)	LS	*Milwaukee*
Eggert, Chester Lee	Pre-Med	*Manitowoc*
Egre, Ruth Alyss	CC	*Rockdale*
Eisele, George S.	CC	*Madison*
Ekern, Irene Helen	LS	*Madison*
Ellerman, Raymond Henry (SE)	PhysEd	*Chicago, Ill.*
Ellingson, Palmer (SE)	LS	*Stanley*
Ellis, Albert Kellar	GenC	*Appleton*
Ellis, Ruth Jeanne	CJ	*Buffalo, N. Y.*
Ellsworth, Elmer William	LS	*Madison*
Ellsworth, Mabel Oliva	NorC	*Appleton*
Elmslie, Alice Isabel	LS	*Milwaukee*
Engel, Elmer Henry	LS	*Manitowoc*
Engels, William Louis	Pre-Med	*Green Bay*
Engler, Katherine Marie	LS	*Madison*
English, Isabell Irene (SE)	AA	*Madison*
Erenfeld, Doris Marcelle (SE)	AA	*Minot, N. Dak.*

Erwin, Lucille Jane	LS	*Imrood, Ind.*
Evans, Mary Elizabeth	LS	*Jeannette, Pa.*
Ey, Otto Henry	LS	*Mount Pulaski, Ill.*
Faber, John Edwin	Pre-Med	*Watertown*
Fairchild, Leonard Thompson	Pre-Med	*Clintonville*
Farrand, Dorothy Ross	LS	*Delafield*
Farrell, Thomas J. Jr. (SE)	Ind Ed	*Chicago, Ill.*
Feakins, Willa (SE)	AA	*Winnetka, Ill.*
Fein, Marvin Meyer	LS	*Milwaukee*
Feinberg, Helen Sylvia	LS	*Kansas City, Mo.*
Feldman, Evelyn Alice	Mu	*Madison*
Ferebee, Sarita May (SE)	LS	*Richland Center*
Fiedler, Walter Louis	LS	*Fountain City*
Field, Alice Catherine	LS	*Racine*
Findley, Kenneth Ney	ChCC	*Wauwatosa*
Findorff, Arline Katherine (SE)	LS	*Madison*
Fink, Mathilda Annette	CJ	*Cleveland, Ohio*
Fischer, Gladys Arline	LS	*Tulsa, Okla.*
Fischer, LeRoy Robert	ChCC	*Milwaukee*
Fishbeck, Pearl May (SE)	LS	*Manitowoc*
Fisher, Burt Beck	GenC	*Appleton*
Fisher, Catherine Virginia	LS	*Valparaiso, Ind.*
Fisher, Dwight Thomas	CC	*Brodhead*
Fisher, Faith Sevrens (SE)	LS	*Madison*
Fisher, Goebel Earl (SE)	LS	*Firesteel, S. Dak.*
Fisher, Minnie	Pre-Med	*Milwaukee*
Fitzgerald, Walter Jenkins Jr.	LS	*Wauwatosa*
Fizette, Jane	LS	*Milwaukee*
Fleischman, Frances Ellis	LS	*Liberty, N. Y.*
Fleury, Mary Grace	LS	*Madison*
Flieth, Cornelia Olin (SE)	LS	*Wausau*
Flinn, Thomas Harold	LS	*Madison*
Flint, Charlotte (SE)	PhysEd	*Milwaukee*
Flom, Carl Alfred	GenC	*Madison*
Floyd, Ashburnam H.	LS	*Madison*
Floyd, Leora Mary	LS	*Tomahawk*
Flueck, Alice Anne (SE)	PhysEd	*La Crosse*
Flynn, Bernadine Natalie	LS	*Madison*
Fogleman, Lucile Elliott	LS	
Forbes, Marjorie Louise (SE)	LS	*Madison*
Forman, Harry	LS	*Milwaukee*
Forman, Jessie	LS	*Richland Center*
Foss, Robert Henry	CJ	*Fergus Falls, Minn.*
Fosse, Margaret Ann (SE)	LS	*Beloit*
Foster, Charles Miller	CC	*Peoria, Ill.*
Foster, Katherine Lewis	LS	*Fond du Lac*
Foster, Viona Lenore	NorC	*Roberts*
Fox, Fred Leroy	GenC	*Superior*
Fradenburg, Betty Lee (SE)	LS	*Omaha, Nebr.*
Francke, Armin Herschleke	CC	*Madison*
Frank, Meyer Phillip	LS	*Madison*
Franklin, Denora	LS	*Milwaukee*
Franklin, Sara	LS	*Milwaukee*
Freeborn, David	GenC	*Tulsa, Okla.*
Frelinger, Gregg A.	GenC	*Lafayette, Ind.*
Frenkel, Elyzbeth Sara (SE)	LS	*Monroe, La.*
Freudenberg, Arthur Daniel (SE)	PhysEd	*Lake Mills*
Fried, Viola Emma (SE)	LS	*Fountain City*
Friedli, J. Calvin	LS	*Plymouth*
Friese, Edith Antoinette (SE)	NorC	*Milwaukee*

Frost, Theodore Dodge	LS	*Madison*
Fuge, August Herbert	LS	*West Bend*
Fuller, Dorothy Virginia (SE)	PhysEd	*Bradenton, Fla.*
Fuller, Ira Smith (SE)	IndEd	*Pekin*
Furman, Sophia	LS	*Beloit*
Gafke, Lester Earl (SE)	LS	*McFarland*
Gale, Bryant Tilford	LS	*Cincinnati, Ohio*
Gale, Dorothy	LS	*Oak Park, Ill.*
Gallinger, Marion Beatrice (SE)	LS	*Pittsburgh, Pa.*
Gantz, David Marten	LS	*Cincinnati, Ohio*
Garn, Esther Louisa	LS	*South Bend, Ohio*
Garton, Nancy Elenore	LS	*Sheboygan*
Gasche, Jacob Benjamin (SE)	LS	*Luxemburg*
Gates, Annabelle (SE)	LS	*Bloomington*
Gaulke, Erwin Charles	ChCC	*Rio Creek*
Gehrand, Henry Christopher	Pre-Med	*Madison*
Geib, Frank John (SE)	AA	*Cleveland, Ohio*
Gerecke, Gladys Louise	LS	*Rocky Ford, Colo.*
Gerry, Edith Aline	NorC	*Oak Park, Ill.*
Gertz, Benjamin David	CC	*Hurley*
Gier, Gladys Katherine (SE)	LS	*Mount Horeb*
Gilbert, Marion Elizabeth	LS	*Madison*
Gillette, Leona Mary	LS	*Mount Vernon, N. Y.*
Gilman, Edna Loraine	Ph4	*Stanley*
Gisvold, Ole	LS	*Burlington, Iowa*
Glaeser, Lois Ruth	HygC	*Madison*
Glover, Mary Dorothy (SE)	LS	*Wilmette, Ill.*
Goebel, William Charles	LS	*Mount Horeb*
Gold, Morris Alan	LS(Med)	*Milwaukee*
Goldenberg, Morris	Mu	*Milwaukee*
Goldberger, Esther White	Pre-Med	*Milwaukee*
Goldman, Abraham Israel	LS	*Cleveland, Ohio*
Goldman, Getrude Charlotte (SE)	LS	*Milwaukee*
Goldstein, Phyllis (SE)	LS	*Chicago, Ill.*
Gonser, Helen Rebecca	LS	*Payne, Ohio*
Goodman, Carl Sidney	LS	*Chicago, Ill.*
Goodnight, Scott Hamilton	Pre-Med	*Madison*
Gorcica, Henry J.	ChC	*Rib Lake*
Graham, Louise (SE)	LS	*St. Joseph, Mo.*
Granberg, Leonard Arthur	LS	*Crystal Falls, Mich.*
Granzo, Herbert William	LS(Med)	*Delavan*
Greiber, Clarence Herman	LS	*Sauk City*
Grether, Gertrude Emma	LS	*Verona*
Greunke, Hilda Anne (SE)	LS	*Toledo, Ohio*
Griffith, Ella Jean (SE)	PhysEd	*Racine*
Griffith, Mark Elmer (SE)	LS	*Kaukauna*
Gros, Charles Gustave	LS	*Western Springs, Ill.*
Grossman, Lena	LSASp	*Milwaukee*
Grover, Frank Harding	LS	*Galesville*
Grube, William Kare	LS	*Sheboygan*
Gruenberg, Herbert Matsner	LS(Med)	*New York, N. Y.*
Guetzlaff, Richard F.	CJ	*Fort Atkinson*
Guimont, Marie DeSange	NorC	*Green Bay*
Gullord, Edward George	LS	*Greenwood*
Gunderson, Harry Laudgraf	CC	*Sheboygan*
Gundlach, John J.	LS	*Madison*
Gundlach, Mary Josephine	LS	*Prairie du Sac*
Haentzschel, Edith Martha	CJ	*Madison*
Hagan, Nelson Milo	GenC	*Madison*
Hagemeister, Karl	LS	*Green Bay*

Hagerty, Mary Irene (SE)	LS	*Madison*
Hahn, Mary Helen (SE)	PhysEd	*Eden*
Haight, Esther Ann	Mu	*Cambridge*
Hake, Frederick Higbee	LS	*Elroy*
Hake, Walter Scott, Jr.	GenC	*Elroy*
Hall, Odell Leroy (SE)	PhysEd	*Marble, Minn.*
Halperin, Alexander	Pre-Med	*Chicago, Ill.*
Haman, Robert Walter	ChC	*Madison*
Hames, John Baptist	ChC	*Madison*
Hamlin, Herbert Alfred (SE)	GenC	*Merrill*
Hammer, Eleanor Marie	LS	*Madison*
Hammond, Ola Madeline	LS	*Hutchinson, Kans.*
Hanauska, Marie Margaret (SE)	Mu	*Janesville*
Handke, Loretta Marie	LS	*Edgerton*
Hanes, Helen Louise (SE)	CJ	*Harvey, Ill.*
Hanks, James Judge	LS	*Madison*
Hann, Julia Nina (SE)	LS	*New Brunswick, N. J.*
Hansen, Horace John	LS(Med)	*Glenbeulah*
Hanson, Arthur Harris	CJ	*Marinette*
Hanson, Leonard Orlando	LS(Med)	*La Crosse*
Hanson, Oscar Henry	Pre-Med	*Cambridge*
Hanson, Victor Urban	GenC	*Woodville*
Hard, Mabel S. (SE)	AA	*Superior*
Harris, Dorothy Elizabeth (SE)	LS	*Madison*
Harris, Wilfred John (SE)	LS	*Madison*
Harrison, Jeanette Laura (SE)	LS	*Dodgeville*
Harrop, Clemence Roy	LS	*Arena*
Harter, Donald Bruce	CJ	*Oak Park, Ill.*
Hartman, William George	GenC	*Milwaukee*
Hartwig, Arminta V.	HygC	*Madison*
Hartwig, Marcella Belva	HygC	*Marion*
Hathaway, Lenore Bell (SE)	Pre-Med	*Westby*
Hatleberg, Earl James	Pre-Med	*Madison*
Hauge, Howard LeRoy (SE)	Mu	*Spring Green*
Haviland, Malcolm Douglas	Mu	*Janesville*
Hawkins, Frances Milner (SE)	PhysEd	*Madison*
Hay, Ruth Eleanor	LS	*Mount Carroll, Ill.*
Hayden, Alice Debra	LS	*Sun Prairie*
Heath, Mary Madalen (SE)	AA	*Madison*
Heaton, Ruth (SE)	AA	*Marshfield*
Hedrick, Dean Darwin	GenC	*Peoria, Ill.*
Hefferan, Mary Eleanor	LS	*Grand Rapids, Mich.*
Heggblom, Julius Conrad (SE)	LS	*Merrill*
Heim, Virginia Louise	HygC	*St. Joseph, Mo.*
Heimann, Lucile A.	HygC	*Monroe*
Hein, Stanley Morton	LS	*Waukegan, Ill.*
Helgeson, John Thomas	CJ	*Madison*
Henderson, Helen Stevenson	LS	*Los Angeles, Calif.*
Henningsen, Evelyn Isabelle	CC	*Hubbleton*
Hepola, Wayne Axiel (SE)	IndEd	*Chisholm, Minn.*
Herrick, Cleo Millicenth (SE)	LS	*Edgerton*
Herrick, Virgil E. (SE)	NorC	*Stevens Point*
Hertz, Clarence Richard	LS	*Cleveland, Ohio*
Hertz, Roy	LS	*Cleveland, Ohio*
Hertzberg, Carl Cleveland	GenC	*Sheboygan Falls*
Hessert, Dorothea Marianna	GrN	*Plymouth*
Hessert, Margaret Clara (SE)	LS	*Plymouth*
Heur, Kenneth Fernando	LS	*Oshkosh*
Hewett, Catherine Annabel	LS	*Escanaba, Mich.*
Heyroth, Melvin Hoard	GenC	*Two Rivers*

Hickey, Alice Margaret (SE)	LS	*Reedsburg*
Hickisch, Frank Leonidas	CC	*La Crosse*
Hickok, Grace Elizabeth	LS	*Madison*
Highland, Irving H.	CC	*Chicago, Ill.*
Hill, Lillian Irene (SE)	LS	*Ely, Minn.*
Hiller, Samuel Joseph	Pre-Med	*Milwaukee*
Hillmer, Adolph Gustav	LS	*Montello*
Hilty, Palmer Andrew	CH	*Plymouth*
Hintz, Erwin Edward	CC	*Fond du Lac*
Hintze, Roberta Jane	LS	*Chicago*
Hirschfeld, Beatrice Esther (SE)	AA	*Duluth, Minn.*
Hobart, Mark C.	LS	*Momence, Ill.*
Hodges, Evelyn Elizabeth (SE)	LS	*Algona, Iowa*
Hodges, Jennie Theodosia (SE)	AA	*Gary, Ind.*
Hoelz, Edward Philip	LS	*Milwaukee*
Hollander, Robert	LS	*Milwaukee*
Hollister, Sara P.	LS	*Schenectady, N. Y.*
Holman, Frances Ellen	CJ	*Ballinger, Texas*
Holmes, Alice Isabel (SE)	LS	*Milwaukee*
Holton, Ruth Josephine	LS	*Milwaukee*
Holzman, Tillie	CC	*Milwaukee*
Hook, Frederick Stearns	ChC	*South Milwaukee*
Hopkins, Kathryn	GenC	*Chicago, Ill.*
Horkheimer, Arthur Philip	CC	*Prairie du Chien*
Horton, Genevieve Margaret (SE)	LS	*Wauwatosa*
Horwitz, Charles Zachary (SE)	LS	*Milwaukee*
Howard, Catherine Margaret (SE)	LS	*Oak Park, Ill.*
Howe, Henry Edwin, Jr.	GenC	*Prairie du Chien*
Howland, Josephine Mannette	LS	*Reedsburg*
Hsiang, Lirren J.	LS	*Washington, D. C.*
Hubbell, Jeanette Margaret (SE)	AA	*Edgerton*
Hubbell, Margaret Smith	CJ	*Hurley*
Huebsch, Wilma Eva	LS	*Milwaukee*
Hughes, Byron James	LS(Med)	*Pardeeville*
Hughes, Ellis John	LS(L)	*Racine*
Hunt, Florence Estelle (SE)	Mu	*Stoughton*
Hunt, Taylor Dwight	Pre-Med	*Madison*
Hunzicker, Ashley Andrew	LS	*Madison*
Huse, Betty	LS	*New York, N. Y.*
Huth, Melvin Frank	PhIV	*Cochrane*
Icke, Helen	LS	*Madison*
Iglauer, Helen Ransohoff	LS	*Cincinnati, Ohio*
Indermuehle, Alvin Clarence	ChC	*Beaver Dam*
Iushewitz, Elisheva	LS	*Milwaukee*
Izard, Ralph Waldo	LS	*Lakewood*
Jackson, Katherine Eldora	Pre-Med	*Fort Wayne, Ind.*
Jacobs, Anna Gertrude (SE)	LS	*Oconomowoc*
Jacobs, Henry Cooper	CC	*Kenosha*
James, Gwethalyn Hughes (SE)	Mu	*Montfort*
Janda, Dorothy Gita (SE)	LS	*Madison*
Jandrey, Fred William	LS	*Neenah*
Jareo, Jack William (SE)	CJ	*Grand Rapids, Mich.*
Jennings, Simon Francis	Pre-Med	*New London*
Jax, Theodora Emily (SE)	LS	*Johnson Creek*
Jensen, Esther Marie	LS	*Eau Claire*
Jensen, Frederick George	Pre-Med	*Menasha*
Jensen, Wallace Murray	CC	*Elgin, Ill.*
Jenson, Gladys Florence	HygC	*Madison*
Johns, Richard Breese	LS	*Antigo*
Johnson, Anastasia Lauretta	LS	*Lemont, Ill.*

Johnson, Archer	CC	*Madison*
Johnson, Dorothy Elaine (SE)	LS	*Milwaukee*
Johnson, Harold Edward	LS	*Oak Park, Ill.*
Johnson, Harris R.	CC	*Brandon*
Johnson, Hobart Stanley, Jr.	LS	*Madison*
Johnson, Irene Dorothy (SE)	LS	*Wisconsin Rapids*
Johnson, Thelma Louise (SE)	M	*Osseo*
Jones, Byron Wendell (SE)	GenC	*Barneveld*
Jones, Dorothy Emeline (SE)	LS	*Springfield, Ill.*
Jones, Edith May (SE)	AA	*Grand Rapids, Mich.*
Jones, Margaret Elinor (SE)	LS	*Columbus*
Jongewaard, Henry George	PreMed	Ames, Iowa
Joplin, Margaret Elizabeth	LS	*Amarillo, Texas*
Joseph, Elizabeth R.	CJ	*Louisville, Ky.*
Julius, Doris (SE)	LS	*Arena*
Kahlenberg, William John	Pre-Med	*Two Rivers*
Kailin, Harvey	LS	*Madison*
Kaltenbach, Marjorie Payne (SE)	AA	*Kenosha*
Kamm, Kermit Albert	CC	*Madison*
Kaplan, Edith T.	LS	*Cleveland*
Kaplan, Ruth	LS	*Minneapolis, Minn.*
Kaste, Alton Romeo	CJ	*Fountain City*
Katz, Gertrude	LS	*Madison*
Kaump, Donald Hunter	Pre-Med	*Madison*
Kautz, Erich	LS(Med)	*Madison*
Kay, Gordon Luverne	GenC	*Cuba*
Keck, Lorraine	LS	*Flushing, N. Y.*
Keebler, Katherine Gertrude (SE)	LS	*Burlington*
Keeler, Helen Parsons	LS	*Chicago, Ill.*
Kehr, Gerald William	CC	*Watertown*
Keitt, Mrs. Carol Seaver (SE)	PhysEd	*Madison*
Keliher, Jay Joseph	CC	*Madison*
Keller, Margaret Lillian (SE)	Mu	*Baraboo*
Kelley, Isabelle Antoinette	LS	*Ashtabula, Ohio*
Kellogg, Ewart Ruth	LS	*Saratoga Spring, N. Y.*
Kelly, Edward Paul	LS	*Chicago, Ill.*
Kelly, Vernon William (SE)	GenC	*River Falls*
Kelsey, Howard Sturtevant	PhysEd	*Delavan*
Kendall, Eva Garnet (SE)	LS	*Milwaukee*
Kenny, Mary Lenore	LS	*Nashville, Tenn.*
Kestley, Charles Frederick	LS	*Antigo*
Keyser, Kathleen	LS	*Milwaukee*
Kiernan, Mary Anita	LS	*Whitewater*
Kilbourn, Eleanor Spencer (SE)	PhysEd	*Sterling, Kans.*
Kindschi, Jean Douglas	Pre-Med	*Beloit*
Kirchen, Harold Walter	GenC	*Great Falls, Mont.*
Kirmse, Thomas William	Pre-Med	*Marinette*
Kirk, Walter Carroll	CC	*Chicago, Ill.*
Klein, Arabell Meta (SE)	Mu	*Cochrane*
Klein, Edward Lawrence	LS	*Cincinnati, Ohio*
Kleist, LeRoy August	CC	*Potter*
Klemann, Edgar Gustav	LS	*Fox Lake*
Klokner, Violet (SE)	LS	*Wauwatosa*
Knapp, Alice La Rue	LS	*Evansville*
Knatz, Ruth Louise (SE)	LS	*Fort Wayne, Indiana*
Kniebusch, Mildred Alyce (SE)	LS	*Madison*
Knoernschild, Ruth Muriel	LS	*Milwaukee*
Knope, Wilma Verna	CH	*Madison*
Knopow, Edith (SE)	LS	*Milwaukee*
Knowlton, Ruth Evelyn (SE)	AA	*Sheffield, Ill.*

Knudsen, Margaret Elizabeth (SE)	LS	*Kenosha*
Knudsen, Earl Melvin	GenC	*Brodhead*
Koehler, Anita Ella	LS	*Medford*
Koepsel, Florence Stuart (SE)	AA	*Neenah*
Kohl, Julia Florence	LS	*St. Louis, Mo.*
Kolb, Robert Schumann	CJ	*Wauwatosa*
Konwinski, George Frank	CC	*Cudahy*
Kopelman, Jeanette	LS	*Fargo, N. Dak.*
Koss, Richard Browne	LS	*Des Moines, Iowa*
Kraege, Helen Ernestine (SE)	Mu	*Madison*
Kraemer, Robert Otto Charles	GenC	*Chicago, Ill.*
Kramer, Frank Raymond	CH	*Madison*
Kranzfelder, Joseph Godfrey (SE)	Mu	*Bloomer*
Krueger, Donna Aline	Mu	*Independence, Kans.*
Krug, Julius Albert	LS	*Madison*
Kuckuk, Rolland Antone	LS	*Shawano*
Kuehl, Mary Lucile (SE)	LS	*Shawano*
Kuehn, Vera Louise	LS	*Kenosha*
Kuehn, Wilhelm Otto	LS	*Kenosha*
Kugler, Harold Anton	LS	*Manitowoc*
Kuhe, Emil	ChC	*Madison*
Kundert, Palmer Rudolph	LS	*New Glarus*
Kunz, Godfrey David	LS	*Manitowoc*
Kunz, Helen Frances (SE)	NorC	*Fall Creek*
Kurtz, Chester St. Clair	LS	*Milwaukee*
Kurz, Donald Austin	LS	*Appleton*
Kyle, Rachel	LS	*Tomah*
LaBorde, George Sorenson	LS	*Oshkosh*
LaBudde, George Diefenthaeler	LS	*Milwaukee*
LaBudde, Margaret Theresa	LS	*Milwaukee*
LaChapelle, Hartley Ernest	CC	*Waukegan, Ill.*
Lacke, Clement Le Roy	Pre-Med	*Lancaster*
Lackey, Vera Evelyn	LS	*Williams Bay*
Laemle, Robert Mayer	Pre-Med	*Marshfield*
Lake, Ivan Clyde	LS	*Marshall*
Lamboley, Paul Bernard (SE)	PhysEd	*Belleville*
Lancaster, Kenneth L.	GenC	*Madison*
Landgraff, Ethel Pyne (SE)	LS	*Jeannette, Pa.*
Landmann, Karl Paul	CC	*Wauwatosa*
Lange, Harold Frederick	CC	*Winnetka, Ill.*
Lappola, Risto Peter (SE)	LS	*S. Virginia, Minn.*
Larkin, Robert Burton	CH	*Madison*
Larson, Harold Richard	GenC	*Waukesha*
Lau, Marie Katherine	LS	*Lincoln, Nebr.*
Laub, Carol Genevieve (SE)	LS	*Milwaukee*
Laue, Edward Oswald	CC	*Milwaukee*
Lauer, Adelaide Mary	CH	*Milwaukee*
Laumann, Edna Irene (SE)	LS	*La Crosse*
Laurence, Pamelia Ann (SE)	LS	*Delavan*
Lauson, Elizabeth Mary	LS	*New Holstein*
Lauson, Robert G.	CC	*New Holstein*
Lawrence, Rose Adeline	LS	*Baltimore, Md*
Lawrie, Elizabeth Irion	LS	*Chicago, Ill.*
Lawton, Arthur Marsh	GenC	*Rockford, Ill.*
Leahy, Allan Francis	LS	*Stevens Point*
LeComte, Charles Frederic	Pre-Med	*Madison*
Lee, Dorothy Lillian	LS	*South Bend, Ind.*
Lee, Ralph Hugo	LS	*Tallahasse, Fla.*
Leibenson, Sam	Pre-Med	*Oshkosh*
Leibfried, Florence Mary (SE)	LS	*Lancaster*

Leicht, Bronte Homer	CJ	*New Lisbon*
Leitner, Moses	LS	*New York, N. Y.*
Leonard, Thomas Albert	LS(Med)	*Middleton, Ohio*
Leonardson, Ralph Warren	LS	*Marinette*
Leroux, Pearl (SE)	NorC	*Sherry*
Levine, Sylvia Marion	LS	*Green Bay*
Lewis, Charles Noble	Pre-Med	*Madison*
Licking, Chester Vogel	ChCC	*Madison*
Liebsch, La Verne Joseph	CC	*Milwaukee*
Life, Charlotte	LS	*Kenwood, N. Y.*
Lifschutz, Leo Martin	LS(Med)	*Brooklyn, N. Y.*
Lillicrop, Noke Manuel	CC	*Wausau*
Lincoln, Garrison Levi (SE)	GenC	*Richland Center*
Linsley, Earl Curtis	LS(Med)	*Freeport, Ill.*
Lipskey, Vere Elizabeth (SE)	AA	*Fort Wayne, Ind.*
Litzen, Floyd Laurence	LS(Med)	*Elcho*
Liveright, Alexander Albert	Pre-Med	*Philadelphia, Pa.*
Lloyd, Bernita Ruth (SE)	AA	*Madison*
Loehning, Walter Henry	CC	*Neenah, Wis.*
Lewenthal, Melanie Sophia (SE)	LS	*Chicago, Ill.*
Loewy, Joan Louise	LS	*Chicago, Ill.*
Longley, Marion Munroe	LS	*Waterloo, Iowa*
Lorig, Marx, Jr.	LS	*Colorado Springs, Colo.*
Lotwin, Berniece Nisha	LS	*Menomonie*
Lowenstein, Elizabeth May	LS	*New York, N. Y.*
Lowman, Guy Sumner, Jr.	CH	*Madison*
Loye, Huldah Selina (SE)	LS	*Milwaukee*
Lucas, Dorothy E.	LS	*Chicago, Ill.*
Luchsinger, Phyllis Beatrice (SE)	LS	*Mineral Point*
Luck, Harry Stuart	LS	*Madison*
Lueck, Clara Beatrice	LS	*Watertown*
Luell, Ruth Evelyn	LS	*Milwaukee*
Lueloff, Reuben Theodore	CC	*Colby*
Luhman, Ruth Anne	LS	*Sheboygan*
Lundy, Bill Adelaide	LS	*Tulsa, Okla.*
Luntz, Morris	GenC	*Milwaukee*
Luther, Earl Wallace	NorC	*Humbird*
Lyman, Stuart Allen		
Lynaugh, Francis Bernard	LS	*Madison*
Lynch, Lucille Charlotte	LS	*Madison*
Lysne, Osborne	CC	*Stoughton*
McCandless, Edward Earl	Pre-Med	*Antigo*
McCarton, Ruth Harriet (SE)	LS	*Portage*
McCormick, John James	GenC	*Chicago, Ill.*
McCune, Mildred Louise (SE)	AA	*Sheffield, Ill.*
McDaniel, Ruth A.	LS	*Darlington*
McElhinney, Evelyn	LS	*Waterloo, Iowa*
McElphatrick, Evelyn Edris	LS	*Franklin, Pa.*
McEvilly, Eleanore Mary	GenC	*Madison*
McGovern, Frances Henry	Pre-Med	*Milwaukee*
McGowan, Mary Helen (SE)	AA	*Superior*
McGreane, Austin Robert	GenC	*Darlington*
McGuire, Kathryn Elizabeth	LS	*Berwyn, Ill.*
McKee, Katherine Andrews	LS	*Oconomowoc*
McKenna, John Charles, Jr.	LS	*Madison*
McKinley, Harold	CJ	*Marshfield, Ohio*
McKinley, Robert Mare	Pre-Med	*Dodgeville*
McKinney, Lillian Elizabeth	LS	*Delavan*
McKnight, Catherine Margaret	CJ	*Memphis, Tenn.*
McMillen, Robert S.	GenC	*Oshkosh*

McManamy Lorraine Catherine (SE)	AA	*Madison*
McMurry, Howard Johnstone	LS	*Madison*
McNamara, John Bernard	Pre-Med	*Superior*
McNeel, Alice Katherine (SE)	LS	*Beloit*
MacNichol, John Irwin	LS	*Oshkosh*
MacNichol, Tom Stuart	LS	*Oshkosh*
McPherson, Gertrude May	LS	*Columbus, Ohio*
Macomber, Charles Edward	LS	*New Lisbon*
Mahoney, Kenneth L. (SE)	GenC	*Mazomanie*
Mailhouse, Barbara Caroline	LS	*New Haven, Conn.*
Mainland, Martha Alice	LS	*Oshkosh*
Manchester, Virginia	LS	*Madison*
Mandt, Paul Harold	CJ	*Sun Prairie*
Mann, Mary Oleson	LS	*Lombard, Ill*
Mansfield, Arthur William (SE)	PhysEd	*Cleveland, Ohio*
Mantell, Laura	CJ	*Chicago, Ill.*
Marinelli, Anne (SE)	LS	*Hibbing, Minn.*
Markham, Arthur William	LS	*Independence*
Marsden, Kenneth Gerald	CC	*Edgerton*
Martin, Eva Mae	GrN	*Richland Center*
Martin, Karen Florence	LS	*Madison*
Martin, Margaret Mae (SE)	LS	*Wausau*
Martmeau, James Anthony	LS	*Marinette*
Mason, Jack William (SE)	Mu	*Canton, Ohio*
Massey, Agnes Marion (SE)	LS	*Lake Geneva*
Masterson, Beatrice	LS	*San Antonio, Texas*
Mathes, Leonard	GenC	*St. Louis, Mo.*
Matheson, Anne Fuller	LS	*Detroit, Mich.*
Mathison, Chester Vernon	CC	*Greenwood*
Matson, Roy Lee	CJ	*Minneapolis, Minn.*
Matthews, Guerdon Morris	CC	*Platteville*
Maurer, Gertrude Emily	LS	*Milwaukee*
Maves, Wilbur Wesley	LS	*Madison*
Mawhinney, Lilah Mae (SE)	LS	*Avalon*
Max, Hannah	LS	*Sheboygan*
Mayer, John Paul	LS	*Milwaukee*
Mayer, Sandro Benzenberg	LS	*New York, N. Y.*
Maynard, Ted Edward	LS	*Greenville, Ill.*
Mead, Helen Angelica (SE)	AA	*Chicago, Ill.*
Meagher, Edward	CC	*Ottawa, Ill.*
Meek, Albert N.	CH	*Madison*
Meier, William Robert (SE)	PhysEd	*Bloomer*
Meiklejohn, Helen Kathryn	LS	*Fond du Lac*
Meis, Caroline Wiener (SE)	LS	*Kenosha*
Meiselwitz, Helen Caroline (SE)	LS	*Kiel*
Meister, Milton Louis	LS	*Slinger*
Meixner, Earl Louis	GenC	*Milwaukee*
Melcher, E. Magdalen (SE)	LS	*Watertown*
Mellencamp, Keith Wilde	GenC	*Milwaukee*
Meltzer, Theodore Frederick	LS	*St. Paul, Minn.*
Mennes, Edward G.	LS	*Stoughton*
Merton, Sibley Nancy	PhysEd	*Clayton, Mo.*
Metz, Richard Peter	LS	*Madison*
Meyer, Sylvia Elizabeth	LS	*Washington, D. C.*
Meyering, Marion	LS	*Glencoe, Ill.*
Michels, Robert David	LS	*Milwaukee*
Miller, Bessie Lee (SE)	LS	*Shreveport, La.*
Miller, Cecelia S.	LS	*Detroit, Mich.*
Miller, Earl Roy	LS	*Milwaukee*
Miller, Howard Quincy (SE)	LS	*Wausau*

Miller, Janet Karen (SE)	CJ	Marinette
Miller, John Bryant	CJ	*Madison*
Miller, Julius Anton (SE)	AA	*Elgin, Ill.*
Miller, Nadine Eleanor (SE)	CJ	*Kansas City, Mo.*
Miller, Stephen Barr	LS	*Monroe*
Miller, Whitley Lycan	GenC	*La Crosse*
Mills, Marion Laura (SE)	LS	*Lake Mills*
Milverstedt, Fred	GenC	*Madison*
Mirza, Garabed S.	PhIV	*Cleveland, Ohio*
Mitchell, Donald Orr	LS	*Duluth, Minn.*
Mitchell, Frances Marian (SE)	LS	*Flint, Mich.*
Mithus, Joseph Otto	LS	*Madison*
Moe, Harold John	CC	*Milwaukee*
Moldenhauer, Bert (SE)	PhysEd	*Beloit*
Momson, Willard LeRoy	GenC	*Milwaukee*
Montgomery, J. Arnold	CC	*Lake Geneva*
Moorman, Maxine Margueritte (SE)	LS	*Edgerton*
Moran, Doran Margaret	CC(L)	*Avoca*
Morgan, John Evan	Pre-Med	*Spring Green*
Morgan, Vivian Emma	LS	*Madison*
Morris, Maxine	LS	*Louisville, Ky.*
Morrison, Marvel Elizabeth (SE)	LS	*Oregon*
Morrissey, Elma Irene (SE)	LS	*Bloomington*
Mothershead, John Swain	PreMed	*Burns, Oregon*
Mougin, William Domer	LS	*Elizabeth, Ill.*
Mueller, Edward Joseph	ChC	*Milwaukee*
Muggleton, Nancy Jane (SE)	LS	*Janesville*
Mullenbach, Katherine (SE)	LS	*Chicago, Ill.*
Munson, Bernice Mildred	CC	*London*
Muntz, Earl Russell	LS(Med)	*Elgin, Ill.*
Murdoch, Ellisson Fowler	GenC	*Detroit, Mich.*
Murphy, Aaron George	Pre-Med	*Brussels*
Murphy, Charles Joseph	LS	*Milwaukee*
Murphy, Joseph Herbert (SE)	PhysEd	*Chicago, Ill.*
Murphy, Mary Jessica	LS	*New Hartford, Conn.*
Murphy, Robert Brady L.	LS	*Madison*
Murray, Marion Agnes (SE)	LS	*Chicago, Ill.*
Musolf, Pius Julius	Pre-Med	*Fond du Lac*
Mutchler, Russell Verne	GenC	*Verona*
Nason, Jack Homer	CC	*Winnetka, Ill.*
Nathenson, Hilda N. (SE)	LS	*Madison*
Neil, Margaret Elizabeth	GrN	*Bark River, Mich.*
Neill, William Folsom (SE)	GenC	*Madison*
Nelson, Alice Frances (SE)	LS	*Beloit*
Nelson, Alice Lennea	LS	*Chicago, Ill.*
Nelson, Daniel Earl	CC	*Chicago, Ill.*
Nelsn, George H.	GenC	*Stoughton*
Nelson, Ludwina Marie (SE)	LS	*Madison*
Nelson, Marian Janet (SE)	LS	*Madison*
Nelson, Phyllis Magdalena	LS	*Madison*
Neumann, Paula	LS	*Brooklyn, N. Y.*
Newborg, Katherine	LS	*New York, N. Y.*
Newcomb, Clyde Gibson	GenC	*Glen Ellyn, Ill.*
Newman, Courtland Edward	GenC	*Superior*
Newman, Florence Ellen	LS	*Juda*
Newman, Lillian (SE)	LS	*Pittsburgh, Pa.*
Newman, Reneê	LS	*Milwaukee*
Nickel, Ernest Paul (SE)	IndEd	*Madison*
Niles, Gwendolyn	LS	*Madison*
Ninman, Judith Florence	CJ	*Reedsburg*

Nitardy, Hilmar Albin	LS	*Verona*
Noetzel, Grover Achibald Joseph	LS(L)	*Greenwood*
Noon, Roger Andrew	CJ	*Peru, Ill.*
Norton, John Borge	ChC	*Connellsville, Pa.*
Nortz, Naomi B. (SE)	AA	*Devils Lake, N. Dak.*
Nottleman, Carlton Frederick	CC	*Oshkosh*
Nusbaum, Edward Arthur (SE)	LS	*Richmond, Ind.*
Nutting, Margaret Hadlock	LS	*Madison*
Nuzum, John Martin	LS	*Madison*
Nye, Richard Bennett	GenC	*Oak Park, Ill.*
O'Brien, Alice Margaret	LS	*Brainerd, Minn.*
Odell, Loretta M. A.	LS	*Madison*
Oehler, Arthur Mathias	CJ	*Milwaukee*
Olbrich, Isabel Marie (SE)	LS	*Madison*
Olds, Harriet Susan	LS	*Madison*
O'Leary, Henry J.	CC	*Madison*
O'Leary, Virginia	LS	*Chi cago, Ill.*
Olsen, Dorothy Helen (SE)	LS	*Rockdale*
Olson, Catherine Elizabeth (SE)	LS	*Madison*
Olson, Evelyn Mabel	LS	*Oak Park, Ill.*
Olson, Helen Adeline (SE)	LS	*Stoughton*
Olson, Henry Rudolph (SE)	LS	*Spring Valley*
Olson, Margarita Olive	LS	*Madison*
Olson, Oscar Alexander Jr.	LS	*Park Ridge, Ill.*
Olson, Vallie Kathrine	LS	*Minot, N. Dak.*
Olson, William Arthur	Pre-Med	*Madison*
Olson, William Leslie	LS	*Madison*
O'Malley, Catherine Margaret	CC	*Waunakee*
O'Malley, Gerald Robert	LS	*Madison*
O'Neill, Edward John (SE)	PhysEd	*Cuba City*
Onstad, Owen Warne	Pre-Med	*Cambridge*
Orchard, Bernice Ellen	LS	*Lancaster*
Orr, Annie Lee	LS	*Madison*
Orr, Ivanelle (SE)	LS	*Bloomington*
Orr, Louise Lyle	LS	*Oklahoma City, Okla.*
Orr, San Watterson	LS	*Madison*
Oscar, Jean Elinor	LS	*Superior*
Osgood, William Broadwell	LS	*Waukegan, Ill.*
Osterbind, Helen	CC	*Monroe*
Ostrander, Marguerite (SE)	GenC	*Madison*
Osthoff, Frances	NorC	*Dubuque, Iowa*
Ott, Walter Erwin (SE)	PhysEd	*Watertown*
Otterson, Signe Ruh	LS	*West Salem*
Owen, Gaylord Thompson	LS	*Madison*
Pace, Harold Vinton	CC	*Milwaukee*
Padway, Ronald Asher	GenC	*Milwaukee*
Page, Mrs. Martha Rowland	LS	*Madison*
Pagel, Howard Francis	GenC	*Ladysmith*
Pages, Mauricio	CC	*Buenos Aires, Argentina*
Paley, Bella	LS	*Madison*
Paley, Louis Herman	LS	*Madison*
Palmer, Carlos Alden (SE)	PhysEd	*Janesville*
Palmer, Leland Lapham	LS	*La Crosse*
Palmer, Margaret Francis	LS	*Madison*
Parker, Genevieve S. (SE)	LS	*Green Lake*
Parkin, Ralph Caldwell	GenC	*Madison*
Parr, Alice Mary	GenC	*Madison*
Parsons, Dorothy Ruth	CJ	*Omaha, Nebr.*
Parsons, Richard Catrow	GenC	*Butte, Mont.*
Patterson, Blanche Lucille	CJ	*Madison*

Paul, Elizabeth Harriet	LS	*Racine*
Paul, John Alexander	LS	*Milton Junction*
Paul, Norman Wesley	LS(Med)	*Madison*
Paulson, Glen Ervin	CC	*Verona*
Paulson, Wilma Kathryn	PhIV	*Hollandale*
Payne, Oenia Janith (SE)	LS	*New York, N. Y.*
Pearlstein, Maurice (SE)	LS	*Detroit, Mich.*
Pearson, Carl Albin	GenC	*Rockford, Ill.*
Pease, Robert Holcombe	LS	*Baraboo*
Peck, Lucy Randall	LS	*Little Rock, Ark.*
Peck, Virvinia Alice (SE)	LS	*Clinton, Iowa*
Peeke, Jessie Eloise	LS	*Fond du Lac*
Peeples, Dorothy Elizabeth (SE)	LS	*Washington, D. C.*
Peickert, Dorothy Mary	LS	*Stevens Point*
Pence, Charles Edgar (SE)	IndEd	*Harvard, Ill.*
Pendleton, Frances Baldwin	HygC	*Woodland Heights, Ill.*
Pennington, Eleanor Lucile	LS	*Madison*
Perlman, Max	LS	*Madison*
Perry, Elizabeth Crossfield	LS	*New York, N. Y.*
Pessin, Joseph	LS	*West Allis*
Peter, Dorothy A.	LS	*Wauwatosa*
Peterson, Ruth Winnifred (SE)	AA	*La Porte, Ind.*
Petrie, Arthur Robert (SE)	IndEd	*Chicago, Ill.*
Pfeifer, Alice Marie	LS	*Waukesha*
Phillips, Agnes Ernst (SE)	LS	*Madison*
Phillips, Rachael Ruth (SE)	PhysEd	*Madison*
Pier, Marian (SE)	LS	*Richland Center*
Pierce, Harry Wellington, Jr.	LS	*Oshkosh*
Pierson, John Clough	Pre-Med	*Menomonie*
Pike, Helen Louise (SE)	LS	*Detroit, Mich.*
Piltz, Jeanette Helene (SE)	LS	*Milwaukee*
Pinegar, Kenneth George	LS(Med)	*Marinette*
Plotkin, Lillian Irene	CJ	*Toledo, Ohio*
Plumb, Helen Elizabeth	LS	*Manitowoc*
Plumb, Ruth Isabel (SE)	LS	*Manitowoc*
Polack, Harold	GenC	*Chicago, Ill.*
Pollock, Kenneth William	CC	*Oshkosh*
Pomainville, Elizabeth Caroline (SE)	LS	*Wisconsin Rapids*
Pomainville, Harold George	LSMed	*Nekoosa*
Pomainville, Leland Charles	LSMed	*Nekoosa*
Popham, Estelle Loraine	LS	*Chillicothe, Mo.*
Port, Kenneth Edward	LS	*Portage*
Porter, Van Rowland	LS	*Evansville*
Powers, Frank Charles	LS	*Clermont, Iowa*
Pray, Theron Palmer	LS(L)	*Ashland*
Price, Arthur B.	PreMed	*Prescott*
Price, Warren Charles	CJ	*Milwaukee*
Prisk, Edgar Walter	CC	*Mineral Point*
Pritchard, Lyle Thomas (SE)	LS	*Oshkosh*
Proctor, Alfred Samuel	LS	*Columbus*
Putnam, Parker Harry	CC	*Janesville*
Quade, Elizabeth Helen (SE)	M	*Kewaskum*
Quigg, Mary Marjorie	LS	*Richmond, Ind.*
Randolph, Wade Hampton	CJ	*Milwaukee*
Ransom, Bide Maxwell	LS	*Cleveland, Ohio*
Rapraeger, Gilbert Mohr	CC	*Wausau*
Rasche, Herbert Herman (SE)	LS	*Milwaukee*
Rasmussen, Arthur John	LS	*Kenosha*
Rather, Lee William	CC	*Neenah*
Raub, Eleanor (SE)	AA	*Indianapolis, Ind.*

Read, Marion Elizabeth	LS	*Laurium, Mich.*
Redd, Katherine (SE)	PhysEd	*Jacksonville, Ill.*
Reed, Alfred Stivers	LS	*Ripon*
Reeves, Mary Lois	LS	*Cottage Grove*
Rehfeld, Jane Marie (SE)	LS	*Milwaukee*
Reid, Myron Smith	LS	*Oconomowoc*
Reinbold, Madeline Amelia (SE)	LS	*Chilton*
Reinke, Oscar Alfred	ChC	*Aniwa*
Reinking, Mary Elizabeth (SE)	LS	*Baraboo*
Reitz, Helen Catherine (SE)	AA	*St. Louis, Mo.*
Rengstorff, Charles Lyman (SE)	LS	*Madison*
Renk, Alice Veronica (SE)	LS	*Madison*
Rentz, Fred John	GenC	*Madison*
Rentz, Lucille Eleanor (SE)	LS	*Madison*
Reynolds, Eleanor Louise	Pre-Med	*Iron Mountain, Mich.*
Reynolds, Ethel Mildred (SE)	AA	*Madison*
Rhodes, John Harvey	GenC	*Estherville, Iowa*
Richards, Edith Florence	LS	*Columbus, Ohio*
Richards, Leona Alice (SE)	LS	*Hillsboro*
Richardson, Abner Dwight	CC	*Beloit*
Ricker, George Sumner (SE)	LS	*Aurora, Ill.*
Riemer, Hildegarde Frances (SE)	LS	*Madison*
Ries, Michael Fred	Pre-Med	*Lomira*
Riggert, Valera Harriet (SE)	LS	*Loganville*
Rikkers, Edward Hayes	LS(L)	*Waupun*
Rimbey, Mabel Mildred (SE)	LS	*North Fond du Lac*
Ringe, Irma Mary	Pre-Med	*New York, N. Y.*
Ringheim, Ruth Emily (SE)	LS	*Nevada, Iowa*
Ripin, Louise	LS	*Cedarhurst, N. Y.*
Robbins, Gladys Mae (SE)	ChC	*Janesville*
Roberts, Carson Abel	GenC	*Madison*
Roberts, Evan Owen	CC	*Cambria*
Robeson, Emma Alice	LS	*Kansas City, Mo.*
Robey, Layton Eugene	CC	*Waukon, Iowa*
Robinson, Lois	LS	*Rockford, Ill.*
Robinson, Mary Elizabeth (SE)	SH	*Kenosha*
Rodruan, Dorothy Louise	MuAdSp	*Wyomissing, Pa.*
Roetzel, Martha Helen	LS	*Boonville, Ind.*
Rogers, Tom Allen	Pre-Med	*Oshkosh*
Rogers, Walter Cushing	Pre-Med	*Glen Ellyn, Ill.*
Roher, Franklin	CJ	*Aurora, Ill.*
Rood, Louise Miles	Mu	*Madison*
Root, Elliott DeWitt	LS	*Sparta*
Roper, William Dennis (SE)	AA	*Fort Atkinson*
Ropp, Mary Georgeina	LS	*Chicago, Ill.*
Rose, Eugene Harry	Pre-Med	*Racine*
Rosenthal, Rosalyn Victoria (SE)	PhysEd	*Chicago, Ill.*
Rott, Margaret Charlotte (SE)	Mu	*Madison*
Roueche, Madeleine Alzere	Pre-Med	*Erie, Pa.*
Rouse, Miriam Edna	HygC	*Browntown*
Royt, Frederick Lincoln	LS	*Milwaukee*
Rueckert, Raymond Reginald	Pre-Med	*Portage*
Ruffolo, Frank Lawrence	CC	*Racine*
Rufsvold, Margaret Irene	LS	*Marinette*
Ruhoff, John Richard	ChC	*Wausau*
Runnels, Gladys F.	GrN	*Wautoma*
Rupp, Margaret Mary	LS	*Madison*
Ruppert, Philip William	CC	*Milwaukee*
Rusch, Harold Paul	PreMed	*Wausau*
Russell, Raymond Earl	LS	*Superior*

Ryan, Dorothy Lucile (SE)	LS	*Madison*
Sachs, David John	LS	*Gary, Ind.*
Sachtjen, Dorothy Winnifred	LS	*Boscobel*
Saffro, Samuel David	GenC	*Milwaukee*
Sample, Ruth (SE)	AA	*Madison*
Sampson, Marvin Theodore	GenC	*Oconto Falls*
Sanderson, Charles Harrison	LS	*Madison*
Sannes, Borghild Sophia	LS	*Madison*
Sarff, Catherine Eva (SE)	LS	*Shullsburg*
Sasser, Nancy Odom	LS	Princeton, W. Va.
Sattler, Charlotte Fern (SE)	AA	*Milwaukee*
Sawyer, Clair Nathan	ChC	*Almond*
Saxton, Elisabeth	LS	*Richmond, Ind*
Saylor, Mary Burbank	LS	*Green Bay*
Scanlan, Catherine Louise (SE)	PhysEd	*Rochester, N. Y.*
Scarseth, Alice Lenora	NorC	*Madison*
Schaal, Dale Harvey	CC	*Oconto Falls*
Schaefer, Walter Herbert (SE)	Pre-Med	*Madison*
Scherer, Ruth M. (SE)	LS	*Palmyra*
Schermerhorn, Margaret	LS	*Oak Park, Ill.*
Schiele, Dorothy Helen	LS	*East St. Louis, Ill.*
Schiesser, Ruth Kathryn (SE)	LS	*Monroe*
Schini, Walter Byrar (SE)	GenC	*La Crosse*
Schleid, Dorothy Brownfield	LS	*Bellevue, Pa.*
Schlicher, Karl Theodore (SE)	AA	*Madison*
Schlintz, Murray E. (SE)	LS	*Boscobel*
Schlotthauer, Patricia Carol	LS	*Madison*
Schlueter, Gerhard Louise (SE)	LS	*Madison*
Schmalhausen, Gertrude	LS	*Chicago, Ill.*
Schmallenberg, Herman Carl	Pre-Med	*New London*
Schmid, Dorothy Elizabeth	CJ	*Erie, Pa.*
Schmidley, Lawrence Charles	CC	*Janesville*
Schmidt Claire (SE)	LS	*Park Falls*
Schmidt, Florian	CC	*Osceola*
Schmitt, Alton Joseph	LS(Med)	*Sheboygan*
Schneider, Carlyn Charlotte (SE)	LS	*Milwaukee*
Schneider, Ethel M. (SE)	LS	*Rice Lake*
Schneider, William McDonald	GenC	*Madison*
Schoepp, Edgar John (SE)	LS	*Lodi*
Schoofs, Armogast A. V.	Pre-Med	*Fond du Lac*
Schor, Maurice Isac	LS	*Brooklyn, N. Y.*
Schorer, Mark Robert (SE)	LS	*Sauk City*
Schorer, William C., Jr.	LS	*Sauk City*
Schottlaender, Oscar Henry	GenC	*South Milwaukee*
Schrubb, Henry	LS	*Chicago, Ill.*
Schubert, Leonard Carroll	CJ	*Hillsboro*
Schuck, Lester B.	Pre-Med	*Wauwatosa*
Schuette, Helen Clara	LS	*Manitowoc*
Schuler, Rex K.	GenC	*Kenosha*
Schultz, Evelyn Lorraine (SE)	LS	*Madison*
Schumacher, Elva Clare	LS	*Milwaukee*
Schuster, Maxine Gladys (SE)	ChCC	*Milwaukee*
Schwahn, Herbert Julius	GenC	*Milwaukee*
Schweiger, Josephine Helen	AA	*Jefferson*
Scott, Evan James (SE)	LS	*Janesville*
Scott, Sherad Blanchard	LS	*Denver, Colo.*
Scott, William Inglis	CC	*Brandon*
Searing, Edmund Anthony	PreMed	*Milwaukee*
Seator, Douglas Sinclair	GenC	*Evanston, Ill.*
Seefried, Laura Elenore	LS	*Cleveland, Ohio*

Seidl, Margaret Louise (SE)	LS	*Madison*
Selig, Belle	LS	*Milwaukee*
Sellers, Elizabeth Agnes (SE)	LS	*La Crosse*
Sells, Kenneth	LS	*Madison*
Severance, Clare M. Henry (SE)	AA	*Madison*
Severson, Harold Louis	CC	*Chicago, Ill.*
Severson, Isabel Lukris	LS	*Cambridge*
Seward, Lynn Jasper	Pre-Med	*Lake Mills*
Seymour, Walton	LS	*Madison*
Shaner, Mary Elizabeth	LS	*Greenburg, Pa.*
Shapiro, Roselyn	LS	*Madison*
Sharer, Algernon Franklin	LS	*Riley*
Sharp, Helen Roberts	LS	*Shawano*
Sharp, Richard Lauiston	CH	*Madison*
Shaw, Frank Howard, Jr.	GenC	*River Forest, Ill.*
Shen, Victor W. T.	LS	*Kiangsu, China*
Sheppard, Margaret Grace	CJ	*Pittsburgh, Pa.*
Sheridan, Ruth Marie	LS	*Fond du Lac*
Sherman, Glenna (SE)	AA	*Oak Park, Ill.*
Sherman, Sam N.	CJ	*Waterloo, Iowa*
Sholts, Nellie Ann (SE)	LS	*Madison*
Showerman, John Parker	CH	*Madison*
Siberts, Dorothy Marie	LS	*Okmulgee, Okla.*
Sickles, Gretchen Romain	LS	*Troy, N. Y.*
Siemers, Gladys Martha (SE)	LS	*Madison*
Signorette, Otto (SE)	IndEd	*Milwaukee*
Silver, Nola Vermelle	HygC	*Youngstown, Ohio*
Silverman, Edna	Mu	*Marathon City*
Simenson, Raymond Stanley	Pre-Med	*Wautoma*
Simmons, Kenneth Denton	Mu	*Rhinelander*
Simpson, Gladys Kathleen	LS	*Sturgeon Bay*
Simms, Clifford Douglas	CC	*Rice Lake*
Sinykin, Della E.	LS	*Madison*
Sinykin, Louise Doris	LS	*Madison*
Skogstad, James R.	NorC	*Eleva*
Slavik, William Melvin	LS	*Oak Park, Ill.*
Slingluff, Harriet Louise	LS	*Oak Park, Ill.*
Smith, Dorothy Boesch	LS	*Burlington, Iowa*
Smith, Dorothy Gertrude	HygC	*Floral Park, N. Y.*
Smith, Dorothy Julia	NorC	*Erie, Pa.*
Smith, Glidden Maxine (SE)	LS	*Rockford, Ill.*
Smith, Hester Read (SE)	PhysEd	*Manhattan, Kans.*
Smith, Janet McNeil (SE)	LS	*Rockford, Ill.*
Smith, Jeannette Elizabeth	LS	*Montclair, N. J*
Smith, Lucille Jeannette	LS	*Kankakee, Ill.*
Smith, Mildred Evis	NorC	*Superior*
Smith, Mildred Mayrant	LS	*Dallas, Texas*
Smith, Olive Hoyt	LS	*Madison*
Smith, William Noble	CC	*Platteville*
Smythe, Martha Leigh	LS	*Delafield*
Snow, Elizabeth Frances (SE)	LS	*Kalamazoo, Mich.*
Snow, Gordon Harold	GenC	*Oak Park, Ill.*
Snyder, Lorna Marie	LS	*Spring Green*
Sober, Rose Dorothy	LS	*Brooklyn, N. Y.*
Soldan, Amelia Elizabeth	LS	*Madison*
Sommerfeldt, Doris E.	NorC	*Janesville*
Sommers, Catherine Agnes (SE)	LS	*Neenah*
Soref, Bernard	LS	*Milwaukee*
Sorenson, Elna (SE)	CJ	*Racine*
Spangenberg, Katherine Pauline (SE)	CH	*Dodgeville*

Spero, Martin Rubin	LS	*Milwaukee*
Spevacek, Alvin Harold	CC	*Green Bay*
Sprague, Alice Eloise	LS	*Milwaukee*
Springer, Vincent George	Pre-Med	*Rothschild*
Springer, Walter B.	Pre-Med	*Stevens Point*
Stanley, Emerson D.	Pre-Med	*Madison*
Stark, Willard Frank	GenC	*Bayfield*
Stauffacher, Charles Gordon	Pre-Med	*Monroe*
Stebbins, Robert	GenC	*Madison*
Steck, Erna R.	LS	*Fairmont, Minn.*
Stedman, Margaret Ardell	LS	*Sturgeon Bay*
Steel, Mildred	LS	*Milwaukee*
Stehn, John Richard	LS	*Milwaukee*
Stein, William Samuel	LS	*New York, N. Y*
Stenz, Irene Mary	LS	Madison
Stenz, Lorene Mary	LS	Madison
Stephenson, Conrad Ling (SE)	GenC	Superior
Stern, Alex	CC	*Milwaukee*
Stewart, Elliott E.	ChC	*Chicago, Ill.*
Stewart, Hazel Emerette	LS	*Janesville*
Stoffel, Walter Jule	GenC	*St. Louis, Mo.*
Stokes, Cynthia Louise	LS	*Elkhorn*
Stolper, Eleanor Louise (SE)	LS	*Plymouth*
Stone, Horace William	CH	*South Range*
Stoppenbach, Adele Fannie (SE)	Mu	*Jefferson*
Stout, Maxine M.	LS	*Columbia, Mo.*
Strom, John Manfred	CC	*Kenosha*
Struckmeyer, Laura Emma (SE)	LS	*Madison*
Stubbe, Meta Clara (SE)	LS	*Wauwatosa*
Stubenvoll, Harvey Carl	LS(Med)	*Shawano*
Stuckey, Margaret Anette	LS	*Rockford, Ill.*
Su, Frank Kai-Ming (SE)	LS	*Honan, China*
Sullivan, Arthur James	LS	*Bethlehem, Pa.*
Sumner, Josephine May	LS	*Madison*
Susott, Arthur W.	CJ	*Elberfeld, Ind.*
Sutherland, Elizabeth Frances	LS	*Madison*
Swan, Melvin Wardin	CC	*Glenwood City*
Swanson, Ruth Ingelov (SE)	PhysEd	*Benton Harbor, Mich.*
Sweeney, Alice Joyce (SE)	LS	*Edgerton*
Swenson, Mary Smith	LS	*Madison*
Swerdloff, Esther Sarah (SE)	CJ	*Madison*
Swerdloff, Joseph Hyman (SE)	LS	*Madison*
Sylvester, Janette (SE)	AA	*Madison*
Taff, Ellis Sanborn	LS	*Milwaukee*
Talbot, Jean (SE)	LS	*Somerset, Ky.*
Tanaka, Tadahiro	PhIV	*Honolulu, Hawaii*
Tappins, Ann Celeste (SE)	Mu	*Madison*
Tarnutzer, Charles Arthur	ChCC	*Prairie du Sac*
Tasche, John August, Jr.	LS(Med)	*Sheboygan*
Taylor, Ann Lee (SE)	Mu	*South Bend, Ind.*
Taylor, Frances Helen	HygC	*La Crosse*
Temple, Ruth Elaine (SE)	CC	*Terre Haute, Ind.*
Tenhopen, Elmer Franklin (SE)	PhysEd	*Lakewood, Ohio*
Tetzlaff, Lamb Otto (SE)	NorC	*Mishicot*
Thelander, Theodore Alexius	CH	*Chicago, Ill.*
Thiede, Clarence Frederick (SE)	GenC	*Columbus*
Thiel, Clarence John	ChCC	*Random Lake*
Thier, Dorothy Elizabeth (SE)	LS	*Lancaster*
Thimmig, LeRoy Daniel	CC	*Beloit*
Thom, Edward Otto	CJ	*Marshfield*

Thom, Mary Elizabeth	LS	*Appleton*
Thomas, Jean Elizabeth	LS	*Milwaukee*
Thomas, John Edward	GenS	*Madison*
Thomas, Nellie Bernice (SE)	PhysEd	*Chicago, Ill.*
Thomas, Perry Marsden	GenC	*Racine*
Thompson, Ruth Elizabeth	HygC	*Beloit*
Thompson, Willard N.	Pre-Med	*Burbank, Cal.*
Thomsen, Herbert Henry	GenC	*Madison*
Thomson, Dorothy Mary	LS	*San Antonio, Texas*
Thronson, Edgar Allen	LS	*Cambridge*
Tibbs, Jeanne Frances	LS	*Milwaukee*
Tiedeman, Rumelia Henrietta (SE)	AA	*Madison*
Tiedke, Ella Alvina (SE)	NorC	*Oconto*
Timbers, James Patrick	LS	*Manston*
Tonjes, John C.	LS	*Milwaukee*
Tingle, Virginia Irene	LS	*Evanston, Ill.*
Trainor, Margaret (SE)	AA	*Madison*
Trathen, Jean Elizabeth (SE)	LS	*Shawano*
Trauba, Hattie Bertha	HygC	*Marathon*
Treat, Asher Eugene	LS	*Antigo*
Trettien, Marion	LS	*Toledo, Ohio*
Tripp, Gordon (SE)	GenC	*Conklin, N. Y.*
Trowbridge, Evelyn	CJ	*Madison*
Troyer, Mary Ruth (SE)	Mu	*Goldfield, Iowa*
Trubell, Oscar	ChC	*Glasgow, Mont.*
Trumky, Gerda Henriette	LS	*Madison*
Trumpy, Ruth Louise (SE)	LS	*Monroe*
Tsai, Deane Shergene	LS	*Washington, D. C.*
Tucker, Bernice	CJ	*St. Louis, Mo.*
Tufts, Marion Blanche (SE)	AA	*Chicago, Ill.*
Tuckwood, Ruby Eleanor (SE)	CJ	*Madison*
Tuttle, Parley Bacon	ChC	*Balsam Lake*
Twohig, Margaret Jane (SE)	Mu	*Madison*
Uehling, Harold Frederick (SE)	AA	*Lowell*
Ulrich, William Carl	LS	*Lomira*
Uphoff, Dudley Franklin	LS	*Madison*
Usher, William Reed	LS	*Escanaba, Mich.*
Utley, Francis Lee	LS	*Thorp*
Van Abel, Clifford Herbert	CC	*Madison*
Van Skike, Marjorie	LS	*Madison*
Van Valkenburgh, George Adams	ChC	*Two Harbors, Minn.*
Velie, Lester Nelson	LS	*Milwaukee*
Vethe, Mildred Bernice Elizabeth (SE)	AA	*Baraboo*
Vickery, Edwin Frank	CC	*Madison*
Vietmeyer, Henry Arthur	LS	*Milwaukee*
Viot, Agnes Lydia (SE)	PhysEd	*St. Louis, Mo.*
Vroom, Jeanette Beekman	GrN	*Centerton, Ark.*
Wade, Donald Louis	CC	*Greenbush*
Waffle, Robert La Grange	Pre-Med	*Fond du Lac*
Wagner, Ralph Leslie	CC	*Chicago, Ill.*
Wagner, Rube Edwin (SE)	PhysEd	*St. Paul, Minn.*
Waisman, Joseph Louis	LS	*Racine*
Waldo, Flora Wood	CJ	*Manitowoc*
Walker, Mary Emelie (SE)	AA	*Dubuque, Iowa*
Walker, Ruth Florence	LS	*Hancock*
Wallace, George	LS	*Racine*
Walsh, Alice Jane (SE)	AA	*Madison*
Wang, Chamber B.	LS	*Chang Chow, China*
Wangerin, Robert Herman	CC	*Elkhart Lake*
Ward, Hazel Esther	Mu	*Lancaster*
Ward, Helen Veronica (SE)	LS	*Bangor*

Waskow, Lois Adele	Pre-Med	*Chicago, Ill.*
Watson, Eunice Margaret (SE)	LS	*Sanborn, Iowa*
Watson, Leah Evelyn (SE)	CC	*Versailles, Ohio*
Watson, Shirley Rachel	HygC	*Madison*
Wayo, Alexander Journalistic	GenC	*Madison*
Weathers, William Mickle	CJ	*Whiting, Ind.*
Wegman, George Henry	Pre-Med	*Oshkosh*
Wegner, Herbert Ferdinand	CC	*Brandon*
Wegner, Kenneth Warren	LS	*Lake Mills*
Wegner, Willard LeRoy	GenC	*West Bend*
Wehle, Dorothea Massiah	LS	*Lake Mills*
Wehmeier, Fred William	LS	*Thiensville*
Weigent, Walter (SE)	PhysEd	*LaCrosse*
Weiler, Charles Frederick	LS	*Flemington, N. J.*
Weinberg, Maurice Edward	LS	*Superior*
Weisiger, Margaret Page	LS	*Evanston, Ill.*
Welch, Irving H.	LS	*Armour, S. Dak.*
Weiss, George A.	Pre-Med	*Madison*
Welch, Myron Eugene	LS	*La Crosse*
Wellner, Lillian Marie	PhysEd	*Sanborn, Minn.*
Wells, Robert Jacob	CC	*Fontaine*
Welty, Eudora Alice	LS	*Jackson, Miss.*
Wendt, Florence	CC	*Horicon*
Werder, Betty Anne (SE)	AA	*Madison*
Werner, Lois Ethel (SE)	Mu	*Watertown*
Westby, Kenneth Lynn	CC	*Fort Atkinson*
Weyher, Justine Mildred	LS	*Milwaukee*
Weyker, Clara M.	LS	*Dousman*
Weymar, Helen Catherine (SE)	PhysEd	*Cleveland, Ohio*
Wherry, John	LS	*Danville, Ill.*
Whipp, Elizabeth Alice	LS	*Milwaukee*
White, Felicia Marie	LS	*New York, N. Y.*
Whitford, Audrah Elizabeth (SE)	AA	*Green Bay*
Whitney, George	GenC	*Wauwatosa*
Whitney, Lester Vincent	GenC	*Plainfield*
Whittemore Marion Harriet	LS	*Sycamore, Ill.*
Wickman, Gunnard Algot (SE)	IndEd	*Ashland*
Widdes, Bessie Rea	LS	*Duluth, Minn.*
Wien, Harry Meyer	PhIV	*Burlington*
Wien, Irving Abraham	Pre-Med	*Burlington*
Wiese, Elizabeth Eleanor (SE)	LS	*Madison*
Wiest, Elizabeth Rozella (SE)	LS	*Lancaster*
Wiig, Carol N.	GrN	*Madison*
Wilber, Havens	CJ	*Madison*
Wilke, Ernestine Louise (SE)	LS	*Two Rivers*
Willard, Elleda Vea	LS	*Stoughton*
Williams, Charlotte Burton	LS	*La Crosse*
Williams, Genevieve Elizabeth (SE)	LS	*Potasi*
Williams, Harold Fish (SE)	GenC	*Ladysmith*
Williams, Harold Milton	LS	*Madison*
Williams, Ivan Edward	ChCC	*Neenah*
Williams, Joe Richard	LS	*Danville, Ill.*
Williams, William N.	LS	*Madison*
Williamson, Richard Pellis	LS	*Mexico City, Mex.*
Williston, Charles Stoddard, Jr.	LS	*Elmhurst, Ill.*
Willman, Maurine	LS	*Kankakee, Ill.*
Wilmarth, Marion V. (SE)	AA	*Eau Claire*
Wilson, Anne Elizabeth	LS	*Princeton, Ill.*
Wilson, Genevieve Gwendolyn	LS	*Princeton, Ill.*
Wilson, Marion Josephine (SE)	LS	*Fort Atkinson*
Winston, Therese (SE)	LS	*Madison*

Winsey, Reid Alexander (SE)	AA	*Appleton*
Winter, Erwin J.	CC	*Antigo*
Witmer, Gwendolyn Morton	LS	*Racine*
Wittick, Mildred Justina (SE)	LS	*Beloit*
Woerner, Emanuel Oettinger	CC	*Chicago, Ill.*
Wolf, Ethel Marguerite	LS	*Milwaukee*
Wolf, Miriam Evelyn (SE)	LS	*Kansas City, Mo.*
Wollstein, Helen Rita (SE)	LS	*Houghton, Mich.*
Woodall, Virginia	LS	*Wichita Falls, Texas*
Woodington, Marc Wendel	LS	*Cassville*
Woolard, Francis Campbell	LS	*Wauwatosa*
Wray, Ethel Lois	LS	*Wilmette, Ill.*
Wright, Abbie Emma	LS	*Hutchinson, Kans.*
Wright, Margaret Jean	LS	*West Allis*
Yahr, Emma Irene	CJ	*Chicago, Ill.*
Young, Charlotte Mary	LS	*Chicago, Ill.*
Young, Daniel Sylvester	GenC	*Monroe*
Young, Jeanne Daisy	LS	*Chicago, Ill.*
Yu, Tsi Pei	LS	*Minking, Kansu, China*
Zarbell, Dorothea (SE)	LS	*Louisville, Ky.*
Zeunert, Raymond Henry	ChC	*Cedarburg*
Ziff, Edward (SE)	LS	*Chicago, Ill.*
Zillman, Christian Charles, Jr.	LS	*Chicago, Ill.*
Zingsheim, Helen G. (SE)	PhysEd	*Green Bay*
Zucker, Adolph	LS	*Cleveland, Ohio*

SOPHOMORES

Aarons, Lehman Charles	CH	*Milwaukee*
Aarons, Robert Jacob	LS	*Milwaukee*
Aase, Maurice Ferdinand	LS	*Mondovi*
Abert, Richard Ervin	LS	*Milwaukee*
Accola, Earl Marvin (SE)	PhysEd	*Prairie du Sac*
Adamson, Martha Cecilia	LS	*Racine*
Adelman, Faye	LS	*Chicago, Ill.*
Ahlberg, Paul Leighton (SE)	PhysEd	*Joliet, Ill.*
Ahlstrom, Hans G.	LS	*Rockford, Ill.*
Aikins, Ray Carmichael	LS	*Viroqua*
Ainsworth, Roy C.	Pre-Med	*Madison*
Alanne, Irja Kaisa	LS	*Wentworth*
Albrecht, Emily A. (SE)	PhysEd	*DesMoines, Iowa*
Albrecht, Mrs. Phyllis Lydia	LS	*Athens*
Albright, Hubert William	Pre-Med	*Madison*
Albright, Ruth Emily	LS	*Columbus*
Alk, Abe	LS	*Green Bay*
Allan, Lloyd Duard	LS	*Fond du Lac*
Allen, Burleigh Kimball	LS	*McFarland*
Allen, Harold Sylvester	LS	*Madison*
Allen, Edwin Forrest	LS	*Sioux City, Iowa*
Allen, James Edward	LS	*Madison*
Altmayer, Marie Suzanne	LS	*DePere*
Ames, Mildred Elaine	Mu	*Brooklyn*
Anderson, Ethel Lucille	LS	*Chicago, Ill.*
Anderson, Geraldine Bailey	LS	*Madison*
Anderson, Harold Oliver	LS	*Chicago, Ill.*
Anderson, Ivan Marion	LS	*Madison*
Anderson, Jerrold Otto	Pre-Med	*Viroqua*
Anderson, John William	LS	*Merrill*
Anderson, Kenneth A.	LS	*Eau Claire*

Andrews, Philip Orville	LS	*Hazel Green*
Ansfield, Maurice Joseph	Pre-Med	*Milwaukee*
Anthoney, Robert Barton	LS	*Beloit*
Appleman, Marion M.	LS	*Tulsa, Okla.*
Aranoff, Stanley Harold	LS	*Miami, Fla.*
Armbrecht, John George	LS	*Madison*
Arnol, Aaron Spector	LS	*Milwaukee*
Arnold, Patricia Katherine	LS	*Duluth, Minn.*
Aronin, Mildred	LS	*Green Bay*
Ascher, John	LS	*Freeport, Ill.*
Ashley, Burton Edward	LS	*Green Bay*
Atinsky, Esther C.	LSAdSp	*South Germantown*
Atkinson, Margaret Dottridge	LS	*Chicago, Ill.*
Atten, William Conrad	LS	*Wheaton, Ill.*
Atwell, Charles Richard	LS	*Fort Dodge, Iowa*
Atwell, John Rawlins	LS	*Fort Dodge, Iowa*
Austin, Mabel Bess	LS	*New York, N. Y.*
Averbook, Anita	LS	*Superior*
Babcock, Helen May	LS	*Muskegon, Mich.*
Bablitch, Albert Joseph	LS	*Stevens Point*
Bacon, Lewis Duaine	PhIV	*New London*
Bahn, Eugene	LS	*Cape Girardeau, Mo.*
Bailey, John Withnal	LS	*Princeton, Ill.*
Bainbridge, Henry Dockray	ChCC	*Cary Station, Ill.*
Baker, Beatrice Ann (SE)	PhysEd	*Goodman*
Baker, George Emmett	LS	*Chicago, Ill.*
Baker, Henry Kummel	LS	*Milwaukee*
Baldwin, Clayton Harlow	LS	*Wauwatosa*
Baldwin, Elizabeth Meta	LS	*Evansville*
Balentyne, Dorothy Margaret	LS	*Belvidere, Ill.*
Ballenger, Nancy Aileen	LS	*Indianapolis, Ind.*
Balley, Anne Marie	LS	*Antigo*
Bancroft, George Russell	LS	*Blue Mounds*
Bardeen, Helen	HygC	*Madison*
Barnard, Helen Dorothy	LS	*Chicago, Ill.*
Barney, Robert Matthew	LS	*Sparta*
Barrett, Fred Thornton	GenC	*Chicago, Ill.*
Barrus, Virginia Louise	LS	*Clinton*
Barsness, Winfred Ruth	LS	*Madison*
Bartelt, Donald Earl	LS	*Beloit*
Bartholomew, William Erle	GenC	*Madison*
Bartlett, Frances	LS	*Hammond, Ind.*
Barton, Carrie R.	LS	*Elizabeth, Ill.*
Barton, Edith Grace (SE)	PhysEd	*Duluth, Minn.*
Bartsch, Harvey	Pre-Med	*Madison*
Bashaw, Harry Wallace (SE)	AA	*Delavan*
Bassewitz, Julius N.	LS	*Sheboygan*
Bauer, Charles Elmer	LS	*Mitchell, S. Dak.*
Bauer, Gladys Catherine	PhIV	*Milwaukee*
Bauhs, Paul William	LS	*Madison*
Baum, Hugo Carl	Pre-Med	*New Richmond*
Baumann, Ursula Kay	Mu	*Racine*
Bayha, Benjamin Smith	GenC	*Milwaukee*
Bayne, Gladys Gertrude	LS	*Henry, Ill.*
Beach, Harriette Crang	LS	*Ravinia, Ill.*
Beam, Imo Elizabeth	LS	*Lakewod, Ohio*
Beam, Eleanor McGill	LS	*East Cleveland, Ohio*
Bebb, Caroline Elizabeth	LS	*Cherry Chase, Md.*
Beatty, Thomas D.	Pre-Med	*Birmingham, Ala.*
Beck, Walter Nelson (SE)	NorC	*Fond du Lac*

Beers, Duncan Hayner	LS	*Green Bay*
Behrend, Rosemary	ChCC	*Madison*
Bekkedal, Martin Verdel	LS	*Westby*
Bellack, Mary Jeanette	LS	*Columbus*
Belter, Raymond William	LS	*Merrill*
Benn, Vernard August	PhIV	*Medford*
Benrud, Clifford N.	ChCC	*Westby*
Bensman, John	LS	*Sheboygan*
Benson, Glenn Melvin	GenC	*Chicago, Ill.*
Berberich, Beatrice Odelia	LS	*Sauk City*
Berg, Helen Mildred	LS	*Madison*
Berget, Elise Alma	LS	*Argyle*
Bergman, William	PhIII	*Chicago, Ill.*
Bergs, Harold Valentine	PreMed	*Milwaukee*
Berner, Lillian Marie	LS	*Indianapolis, Ind.*
Berryman, Carroll Frank	Pre-Med	*Dodgeville*
Berryman, Carlton Vern	GenC	*Dodgeville*
Biba, Cherry Alice	LS	*Muscoda*
Bishop, Harold Francis	LS	*Madison*
Black, Howard Williams	LS	*Eau Claire*
Blackwell, Anita	LS	*Englewood, N. J.*
Blanke, Anita Ella	LS	*Sheboygan Falls*
Blankstein, Samuel S.	Pre-Med	*Milwaukee*
Bliss, Jane	LS	*Omaha, Nebr.*
Blocki, Ruth Louise	LS	*Chicago, Ill.*
Bloom, Burtis William	LS	*St. Joseph, Mo.*
Bloss, Florence Elizabeth	PhIII	*Salem*
Bloss, Truman George	LS	*Fox Lake*
Blosser, Florence Elizabeth (SE)	AA	*Fort Wayne, Ind.*
Blott, LeNoir Alice	LS	*Mukwanago*
Blue, Thelma	GrN	*Madison*
Blunt, Carlene Lucretia	LS	*Evanston, Ill.*
Bocher, Genevieve Ruth	LS	*Cecil*
Boesel, Charles Manegold	LS	*Milwaukee*
Bolles, Carlton Shepard	Pre-Med	*DePere*
Bolstad, Emma Sophie	LS	*Gilman*
Bolton, James Roberts	LS	*Racine*
Bookman, Virginia	LS	*New York City*
Boots, Paul Heath	LS	*Briggsville*
Borcherdt, Frederick Henry	LS	*Manitowoc*
Botley, Charles Thomas	GenC	*Chicago, Ill.*
Bowler, Gertrude Alice	LS	*Sheboygan*
Boyd, Dorothy Main	LS	*Binghampton, N. Y.*
Boyd, George Lunt	Pre-Med	*Kaukauna*
Boyden, Harrison Earl	CC	*Milwaukee*
Boysen, Miriam Adell	LS	*Waterloo, Iowa*
Bradley, James Andre	Pre-Med	*Madison*
Brady, Charles Joseph	Pre-Med	*Lake Geneva*
Brand, Helen Cecilia	LS	*Wausau*
Brandon, Mary Louise	LS	*North Muskegon, Mich.*
Brandt, Lawrence William	ChC	*Wausau*
Brandt, Myron Courtney	Pre-Med	*Madison*
Bratlie, Grace Belinda	LS	*Westby*
Bray, Wallace Emery	Pre-Med	*Delavan*
Brillman, Charles	Pre-Med	*Milwaukee*
Brockett, Virginia-Mae Eveleth	LS	*Madison*
Brodsky, Sidney Albert	LS	*Chicago, Ill.*
Brown, Charles Ralph	LS	*Gurnee, Ill.*
Brown, Harwin Joseph	Pre-Med	*Madison*
Brown, Roswell Edward	LS	*Madison*

Brunkow, Ben	Pre-Med	*Monroe*
Bubeck, Alma Lydia	LS	*Cadott*
Buckmaster, Gilbert George	LS	*Boscobel*
Budd, Lelia Jamesson	LS	*La Crosse*
Budlong, Thomas H.	LS	*Chicago, Ill.*
Buell, Robert Arthur	LS	*Watertown*
Bunde, Carl A.	PreMed	*Wisconsin Rapids*
Burbank, Robert Fitts	LS	*Sioux City, Iowa*
Burdick, Susanne	*LS*	*La Grange, Ill.*
Burdon, Stanley James (SE)	PhysEd	*Bloomington*
Burgy, Catherine Mary	LS	*Edgerton*
Burmeister, Viola Erna	LS	*Waukesha*
Burns, Robert Whitney	LS	*Eau Claire*
Burridge, George Nau	LS	*Green Bay*
Burrows, Alberta Isabelle	Mu	*Montfort*
Bushman, Madeline F. (SE)	PhysEd	*Chicago, Ill.*
Buss, Carl Alfred	LS	*Jefferson*
Buss, Dorothy Cecilia	LS	*Janesville*
Buss, Roger Colwell	LS	*Jefferson*
Caird, Harry Jr. (SE)	AA	*Madison*
Caldwell, Bernice Anna	GrN	*Rio*
Caldwell, Byron Lyle	LS	*Rio*
Caldwell, Grace Lucille	LS	*Lodi*
Caldwell, Mabel Alice	LS	*Rio*
Callahan, Carroll Bernard	GenC	*Montello*
Callsen, Robert Christian	LS	*Chicago, Ill.*
Camp, Edward William	GenC	*River Forest, Ill.*
Campbell, Cecil Raymond	LS	*Chicago, Ill.*
Campbell, Helena Brandon	LS	*Big Rapids, Mich.*
Campion, Charlotte Frances Mary	CH	*Madison*
Campion, Mary Theresa	LS	*Milton Junction*
Cannon, Charles Foster	GenC	*West Allis*
Carey, Margaret Elizabeth	LS	*Madison*
Carlson, Edna Sophie	Mu	*Superior*
Carlson, Laurie Edwin	GenC	*Bayfield*
Carlton, Jean Theodora	GrN	*Laurium, Mich.*
Carney, Mary Ellen C.	HygC	*Kaukauna*
Carroll, Harvard James	GenC	*Racine*
Case, Mrs. Ruth Foxwell	LS	*Racine*
Casey, George Raymond	LS	*Chicago, Ill.*
Cassoday, Eldon Joseph	LS	*Madison*
Castle, James Baxter	LS	*Madison*
Castle, Ormal William	LS	*Milwaukee*
Caughey, Esther Marie	LS	*Madison*
Ceaglske, Vivian Clara	Mu	*Merrill*
Cendt, Lester George	PhIV	*Abbotsford*
Chaimson, Percy Maurice	LS	*Wautoma*
Chamberlain, Helen Katherine	LS	*Madison*
Chang, Hung Mien	LS	*Chuchow, Checkiang, China*
Chapin, Dorothy Jane	LS	*Rockford, Ill.*
Chapman, M. Alma	LS	*Detroit, Mich.*
Charters, Margaret Allen	LS	*Chicago, Ill.*
Chase, Albert Victor	Pre-Med	*Milwaukee*
Chase, Gordon Argyle	LS	*LaCrosse*
Chase, Jeanette Katherine	LS	*Sun Prairie*
Chase, Nellie Mae (SE)	AA	*Madison*
Chatfield, Evelyn Marie	LS	*Coloma*
Cheeseman, Jean Harriet	ChC	*Burlington*
Chesak, Dorothy Josephine	Mu	*Athens*
Chicker, Gerald Benson	GenC	*Ladysmith*

Chmielewski, Edmund Anthony	GenC	*Chicago, Ill.*
Chmielinski, Thaddeus Florian	LS	*Chicago, Ill.*
Choisser, Kirtlye Winifred	LS	*Forsyth, Mont.*
Christensen, Lillian Ingeborg	LS	*Racine*
Christensen, Vernon	LS	*Union Grove*
Claffin, Esther Grace	LS	*River Forest, Ill.*
Clapp, Grace Ione (SE)	PhysEd	*Madison*
Claridge, Catherine Mary	LS	*Chicago, Ill.*
Clark, Donald William	LS	*Antigo*
Clark, Elizabeth Ralph	LS	*Duluth, Minn.*
Clark, Mabel Elizabeth	LS	*Cottage Grove*
Clark, Marriot Aoden	ChC	*Janesville*
Clark, Nancie May	LS	*Cottage Grove*
Cleberg, Nina Augusta	GrN	*Rio*
Cmeyla, Patrick M.	Pre-Med	*Kewaunee*
Cobabe, Sidney Palmer	GenC	*Wauwatosa*
Coburn, Frederick Horace	Pre-Med	*East Troy*
Cochrane, Edward Cannon	LS	*New London*
Coddington, Carl	LS	*Madison*
Coe, Florence Ina	LS	*Barron*
Coffman, Jerome Effingham	Pre-Med	*Madison*
Coffman, Rita Barry	LS	*Madison*
Cohen, Anita Irma	LS	*Milwaukee*
Cohen, Harvey	LS	*Chicago, Ill.*
Cohen, Marvin Henry	LS	*Chicago, Ill.*
Cohn, Muriel Naome	LS	*Chicago, Ill.*
Coker, Paul Herbert (SE)	PhysEd	*Sutherland, Nebr.*
Cole, Chester Charles	LS	*Green Bay*
Cole, Eugene Harrison	GenC	*Appleton*
Colehour, Philip Samuel	LS	*Carroll, Ill.*
Collier, Betty Harriet	LS	*Milwaukee*
Collins, Elizabeth Edna	LS	*Oregon*
Collins, Everett Anthony	GenC	*Madison*
Collins, Lillian Pauline	LS	*Charleroi, Pa.*
Collins, Paul C.	GenC	*Madison*
Colt, Ruth Clara	LS	*Racine*
Combes, Perry Clyde	GenC	*Marinette*
Conger, Robert Allen	LS	*Prairie du Sac*
Conner, Winifred Giles (SE)	AA	*Oak Park, Ill.*
Conner, Constance Victoria Jane	LS	*Marshfield*
Conohan, Ardyth Margaret	LS	*Madison*
Conrad, Lucille Martha	LS	*Milwaukee*
Conrad, Ruth Eleanore	LS	*Milwaukee*
Considine, Leonard John	GenC	*Gary, Ind.*
Conway, William James	LS	*Madison*
Cook, Edward John	LS	*Burlington*
Cooke, Helen Hope	GenC	*Fredericktown, Ohio*
Coombs, Millicent Mae	LS	*Madison*
Cooney, Patrick Frances	GenC	*New London*
Cooper, Ada Elizabeth (SE)	PhysEd	*Saskatoon, Sask, Can.*
Cooper, Earl Irwin	LS	*Dane*
Copeland, Charles Sallaz	ChC	*Rockford, Ill.*
Copeland, Randall Edward	LS	*Evansville*
Copley, Lawrence Herbert	LS	*Clear Lake, Iowa*
Copt, Henry Joseph	Pre-Med	*Fifield*
Cornehls, Fritz	LS	*Milwaukee*
Correll, Howard LeRoy	PhIV	*Spring Green*
Counsell, Charles Harland	GenC	*Oconomowoc*
Cowles, Eugene Hockworth	LS	*Shelbyville, Ky.*
Cox, Mildred Elizabeth	CH	*Madison*
Coyle, Charles S.	LS	*St. Louis, Mo.*
Craig, David Robert	PhIII	*Oconomowoc*

Crain, Morris Howard	GenC	*Thortown, Ind.*
Crane, Wilbur Byron	LS	*Peoria, Ill.*
Credicott, Edward W.	LS	*Freeport, Ill.*
Crichton, Kathleen Doherty	LS	*Lancaster*
Crocker, Reginald David	LS	*Spooner*
Cromey, Robert George (SE)	PhysEd	*Madison*
Cross, Eleanor Amorette	Mu	*Waupun*
Crowell, Arnold Loomis	GenC	*Park Ridge, Ill.*
Crowell, Charles Luther	GenC	*Park Ridge, Ill.*
Crowell, Kathryn Louise	LS	*Almond*
Crowley, Walter Francis	Pre-Med	*West Allis*
Cullen, Erva Kathleen (SE)	AA	*Milwaukee*
Cullen, Stuart Chester	Pre-Med	*Janesville*
Culley, Silas Edward	LS	*Chicago, Ill.*
Cummings, Harold F.	ChCC	*Madison*
Curran, Clifford Leo	LS	*Kenosha*
Curreri, Anthony Rudolph	Pre-Med	*Brooklyn, N. Y.*
Currier, George Edson	LS	*Stoughton*
Curtis, James Andrew	LS	*Libertyville, Ill.*
Curtiss, Ruth Lorine	LS	*Salem*
Curwen, Fern Myrtle	M	*Madison*
Cushing, Margaret Langham	LS	*Portage*
Czerwienski, Florian	LS	*Chicago, Ill.*
Dahlen, Carl Edward	LS	*Beloit*
Dallman, Glen Reynold	LS	*Clinton*
Dalzell, Ruth Elizabeth	LS	*Logansport, Ind.*
Damrow, Milferd Gottfried	LS	*Sheboygan Falls*
Danielson, David Nathaniel	LS	*Geneva, Ill.*
Dassow, Romaine William	LS	*Sheboygan Falls*
Davidoff, Milton Walford	Pre-Med	*Milwaukee*
Davidoff, Zelda	LS	*Milwaukee*
Davies, James Henry	Pre-Med	*Milwaukee*
Davis, Ernest Julia	LS	*Oklahoma City, Okla.*
Davidson, Harry	ChC	*Brooklyn, N. P.*
Davis, Josephine Elizabeth	Pre-Med	*Madison*
Davis, Laurence Mills	LS	*Highland Park, Ill.*
Davis, West Cowan	LS	*Oshkosh*
Davis, William McKinley	LS	*Barneveld*
Davison, Sol	LS	*New York, N. Y.*
Davlin, Donald Francis	LS	*Berlin*
Dawes, Irving Hemphill	GenC	*Menomonie*
Dean, Frank Karstens	Pre-Med	*Madison*
Dean, Lloyd H.	LS	*Kenosha*
Deer, Bonnie Ruth (SE)	AA	*Franklin, Ind.*
Dees, Levi Ochler	M	*Sheboygan*
DeFord, Nell	LS	*Syracuse, N. Y.*
Dengel, Walter Alexander	LS	*Madison*
Dennis, Bruce W.	LS	*Rockford, Ill.*
Densky, Willard Charles	GenC	*Milwaukee*
Derleth, August William	LS	*Sauk City, Wis.*
Desmond, Thomas Edward	LS	*Milwaukee*
Dessloch, Eli Max	Pre-Med	*Colby*
De Voe, Charles F.	LS	*Argyle*
De Vuyst, Dorothy Jean	LS	*Bristol*
De Wilde, Marion Alice	LS	*Sheboygan*
De Wolf, Dorothy Louise	LS	*Marion, Ind.*
Deyoe, William Earl	LS	*Arena*
Diehl, Milton Line (SE)	PhysEd	*Fort Wayne, Ind.*
Dinerman, Abraham Harvey	Pre-Med	*Brooklyn, N. Y.*
Dinerman, Eli	Pre-Med	*Brooklyn, N. Y.*

Dinlio, Hugo John	LS	*Hurley*
Dizon, Leon	LS	*Madison*
Dixon, John James	LS	*Madison*
Doane, Sadie Marie	NorC	*Sparta*
Dobson, Connolly Moore	Pre-Med	*Madison*
Dodd, Mary Isabelle	LS	*Crawfordsville, Ind.*
Dodge, Lorenda Angela	GenC	*Madison*
Donnelly, James Russel	LS	*Bloomington*
Dorr, John Jr.	LS	*Cleveland, Ohio*
Douglas, Lorrie Nelson	GenC	*Chicago, Ill.*
Douglass, Norman Ermah	LS	*Madison*
Doyle, Francis C.	Pre-Med	*Highland*
Draper, Lucile	LS	*North Freedom*
Dresen, Mildred Emma	Mu	*Sauk City*
Dresser, Elizabeth	LS	*Madison*
Drouet, Warren	LS	*Arlington, Mass.*
Drumheller, Mary (SE)	LS	*Aspinwall, Pa.*
Druschke, Harold August	PhIV	*Milwaukee*
Dubrou, Gladys Jean	LS	*Madison*
Duchac, Gretchen Frances	LS	*Antigo*
Duckert, Meta Louise	LS	*Waterloo*
Due, Julia Frances Margaret	GrN	*Oshkosh*
Duena, Marie Wilhelmna	GrN	*Manitowoc*
Duffeld, Henry Edward	LS	*Milwaukee*
Duffy, Bernard James	LS	*Winona, Minn.*
Duggar, Benjamin Minge Jr.	LS	*Madison*
Dunaway, Don Carlos	LS	*Racine*
Dunbar, Alice Janet	LS	*Chicago, Ill.*
Duncan, Glenn Allen	LS	*Madison*
Dunham, Elizabeth Susan	LS	*Oshkosh*
Dunlap, John Alvin	LS	*Milwaukee*
Durand, Elizabeth McVickar	LS	*Milwaukee*
Durlin, Mary Dorothy (SE)	AA	*Madison*
Dymond, Russel J.	LS	*Belvidere, Ill.*
Eaton, Grace La Vonne (SE)	Mu	*Sharon*
Eberhardt, Adolph T.	LS	*Verona*
Eckstein, Helen Sterns (SE)	PhysEd	*Chicago, Ill.*
Edgarton, Allen Lewis	GenC	*Zion, Ill.*
Edwards, Myrna June	LS	*Cambria*
Ehle, Elmer Thompson	ChCC	*Milwaukee*
Eisfeldt, Roy Charles	ChCC	*Watertown*
Ela, Walter Pell	LS	*Madison*
Ellingson, Thomas Louis	LS	*Edgerton*
Elliott, Chester Adelbert	LS	*La Salle, Ill.*
Ellis, Elizabeth Virginia	LS	*Bryan, Ohio*
Emery, Velma Amy	HygC	*Madison*
Emmert, Dudley O'Neal	GenC	*La Crosse*
Engelhorn, Willard	GenC	*North Fond du Lac*
Engler, Paul Gustav	LS	*Cassville*
Eppich, Ernest J.	LS	*Humbird*
Epstein, Bess	LS	*Milwaukee*
Erickson, Ann Elizabeth	NorC	*Barnum, Minn.*
Eskridge, Lydia Childs	LS	*Camp Meade, Md.*
Evans, George Hughes	GenC	*Oklahoma City, Okla.*
Evans, Margaret Mary	LS	*La Crosse*
Evans, Robert Detweiler	LS	*Peoria, Ill.*
Everill, George Wallace	LS	*Evansville*
Exner, Esther Magdalene	LS	*Madison*
Faber, Edwin Charles	Pre-Med	*Watertown*
Fadiman, William James	LS	*Forest Hills, N. Y.*

Fagg, Margaret Elinore	LS	*Madison*
Fallon, Francis Earl (SE)	PhysEd	*Beloit*
Fang, Chao Huo	LS	*Perak Sitrawau, F. M.*
Farber, Maurice Norman (SE)	PhysEd	*Chicago, Ill.*
Farwell, Dorothy	LS	*Warren, Ohio*
Feiker, William Winfield	LS	*Racine*
Feiman, Samuel Stanford	LS	*Milwaukee*
Felix, Emanuel	GenC	*Viroqua*
Fending, Ralph Watson	PhIV	*Rensselaer, Ind.*
Fiedler, Florence Nora	GrN	*Plymouth*
Finch, Carroll Herbert (SE)	AA	*Antigo*
Finch, Gomer Wesley	Pre-Med	*Rockland*
Fincher, Helen Mary	LS	*Oregon*
Findley, Helen ernice	LS	*Wauwatosa*
Fink, Alice May	Mu	*Benoit, Miss.*
Fink, Margaret Peat	Mu	*Racine*
Finkh, Evelyn Louise	GrN	*Janesville*
Finn, Edith Rose	LS	*Chicago, Ill.*
Fish, Lois Kathryne	LS	*Madison*
Fisher, Adeline	LS	*Green Bay*
Fisher, Irving Dore	LS	*Milwaukee*
Fitch, Caroline (SE)	Mu	*Madison*
Fitzgibbon, Thomas Michael	Pre-Med	*Milwaukee*
Fitzmaurice, Lorene Clarice	LS	*Forest City, Mo.*
Flader, Irene Myrtle	LS	*Milwaukee*
Flambeau, David Ball	LS	*Milwaukee*
Fleming, Henry Harold	LS	*Delavan*
Fleming, Lawrence	GenC	*Milwaukee*
Fletcher, Elisabeth	LS	*Elgin, Ill.*
Flowers, Fairbern George	PhIII	*Oconto Falls*
Flynn, Francis Austin	Pre-Med	*Madison*
Follows, John William	LS	*Milwaukee*
Follstad, Harold Carl	ChC	*Elcho*
Folsom, Howard William	GenC	*Fond du Lac*
Ford, Erwin Charles	GenC	*Milwaukee*
Ford, Frederick Howe, Jr.	LS	*Waupun*
Ford, Marcus Clizoe, Jr.	LS	*Hollywood, Cal.*
de Forest, Harriet Stanton (SE)	AA	*Greenwich, Conn.*
Foseid, Oscar Fritjoff	LS	*Madison*
Fosse, Alice Jeanette	LS	*Cambridge*
Fosshage, Frances Lois (SE)	AA	*Mount Horeb*
Fossum, Juanita Beryl	LS	*Aberdeen, S. Dak.*
Foster, Harold Emerson	GenC	*Chicago, Ill.*
Foulke, Lawrence Edward	Pre-Med	*Spring Grove, Ill.*
Fournace, Ebert Gene	LS	*Canton, Ohio*
Fowler, Sara Louise	LS	*Lancaster*
Fowlkes, Julia Elizabeth	LS	*Grand Rapids, Mich.*
Fox, Philip	LS	*Madison*
Fox, Phillip John	Pre-Med	*Milwaukee*
Fox, Samuel David	GenC	*Elkhorn*
Fox, Walter Everett	LS	*Glencoe, Ill.*
Foy, Marie Catherine	LS	*New London*
Frechette, George Thomas	LS	*Wisconsin Rapids*
Fredenburg, Marhta Pauline	LS	*Whiting, Ind.*
Frederickson, Edward Arthur	LS	*Madison*
Frick, Dorothy Jackson (SE)	AA	*Portage*
Friedl, Jane D.	LS	*Chicago, Ill.*
Friedman, Eleanor Bernice	LS	*Chicago, Ill.*
Friend, Joseph Harold	LS	*Cleveland, Ohio*
Fritz, Marion Theodore	LS	*Milwaukee*

Fronk, Edward Joseph	LS	*Two Rivers*
Frost, Richard Judd	Gen C	*Kenosha*
Fuller, William Winslow	LS	*Milwaukee*
Fulton, Mary Pearson	LS	*Indianapolis, Ind.*
Funnell, Bernice Irene	GrN	*LaValle*
Furst, Charles Wilkens	LS	*Freeport, Ill.*
Gage, Jane (SE)	AA	*Janesville*
Gajewski, Edwin Walter	LS	*Norwalk*
Gallagher, Leslie Waterman	LS	*Superior*
Gannon, John Deane	LS	*Madison*
Ganson, John Feyler	LS	*Buffalo, N. Y.*
Garrison, Rogers Emmons	Pre-Med	*Wisconsin Rapids*
Garstang, William Walter	LS	*Indianapolis, Ind.*
Gary, Katherine Wells	LS	*Scarsdale, N. Y.*
Gates, Agnes Elizabeth	LS	*Rio*
Gauley, Robert Blackford	LS	*Coshocton, Ohio*
Gazevitz, Bertha	LS	*Madison*
Gehrke, Leo William	LS	*Mayville*
Geittman, William Frederick	Pre-Med	*Beaver Dam*
Gerber, Janet Almeda (SE)	AA	*Baraboo*
Gerlach, Thomas Gordon	ChC	*Weyawega*
Gerner, Morris Isaiah	Pre-Med	*Milwaukee*
Gernon, William Sargeant	GenC	*Madison*
Getz, Charles Albert	ChC	*Savanna, Ill.*
Getz, Harriette Elizabeth	LS	*Madison*
Gier, Mildred Evangeline	LS	*Mount Horeb*
Giese, Minnie Marie	LS	*Menasha*
Giessel, Lloyd A.	LS	*Black Earth*
Gilchrist, Elizabeth Douglas (SE)	PhysEd	*Berea, Ohio*
Giles, Wilbur	LS	*Shullsburg*
Gillete, Sara Frances	LS	*Wausau*
Gilman, Helen Virginia (SE)	PhysEd	*Appleton*
Gilsdorf, Cecelia Mary	LS	*Elkhart Lake*
Gilson, Raymond Robert	LS	*Casco*
Ginsburg, Helen Belle	LS	*Pittsburg, Pa.*
Gmahling, Cecilia Patricia	LS	*Douglas, Ariz.*
Godchaux, Justine	LS	*New Orleans, La.*
Goddard, Arthur Beecroft	LS	*Madison*
Godley, Robert Franklyn	LS	*East Cleveland, Ohio*
Goehrig, George Harold	LS	*Milwaukee*
Goetz, John E.	LS	*Hartford*
Goetz, Robert William	ChCC	*St. Paul, Minn.*
Goldberg, Belle B.	LS	*Chicago, Ill.*
Goldblatt, Anna	LS	*New York, N. Y.*
Goldman, Ruth	LS	*Milwaukee*
Goldring, Stephen	LS	*Chicago, Ill.*
Goldstein, Stanley Gordon	LS	*Milwaukee*
Golley, Paul McClusky	Pre-Med	*Milwaukee*
Goodman, Eugene	LS	*Chicago, Ill.*
Goodrich, Fannie Charlotte	Mu	*Richland Center*
Goodsilt, Harry	LS	*Milwaukee*
Goodsilt, William Bradley	LS	*Milwaukee*
Goold, Juanita Sophia	LS	*Madison*
Gordon, Virginia Louise	Mu	*Madison*
Gottlieb, Aaron	LS	*Hutchinson, Kans.*
Grabandt, Harriet Sophia	Pre-Med	*Verona*
Goudie, Elizabeth	LS	*Ironwood, Mich.*
Govier, Grace	GrN	*Fennimore*
Graebner, Elmer Robert	ChCC	*Wausau*
Graff, David	LS	*Lafayette, Ind.*
Graybill, Kathleen Margaret (SE)	AA	*Fort Atkinson*

Grebel, John David	Pre-Med	*Randolph*
Greenwald, Bernadine Henrietta	LS	*Milwaukee*
Gregoire, Edward John J. A.	LS	*Superior*
Greiber, Leonard Norbert	Pre-Med	*Sauk City*
Gregory, Jeannette Jeanne	LS	*Valders*
Grimes, Mary Jane	LS	*La Crosse*
Grobben, Helen G.	GenC	*Milwaukee*
Grombacker, Sophie Major	LS	*Grand Rapids, Mich.*
Gronlund, Ruth Luba	GrN	*Merrill*
Gross, Ilo Freeman	LS	*Fort Atkinson*
Grossman, Lawrence	Pre-Med	*Milwaukee*
Gruliow, Bessie	LS	*Elizabeth, N. J.*
Guentzel, E. Ralph	GenC	*Boscobel*
Gulick, Lee Engle	PhIV	*Danville, Ill.*
Gunderson, Jr. Ole (SE)	PhysEd	*Madison*
Gunderson, Robert Howard	PhIV	*Madison*
Gundlach, Eleanor Pauline	CH	*Prairie du Sac*
Gundry, Charles F.	LS	*Shullsburg*
Gunnarson, Florence	LS	*Chicago, Ill.*
Gust, Charles Mark	LS	*Baraboo*
Gustavel, Walter H. (SE)	PhysEd	*Chicago, Ill.*
Guyot, Earl Kenneth	Pre-Med	*Portage*
Haan, Beatrice Marie	LS	*Milwaukee*
Haas, Alice Lydia	LS	*Lampson*
Hackbart, Leander Walter	LS	*Merrill*
Hackner, David Harold	LS	*Chicago, Ill*
Hackney, Donald Peter	LS	*Tomah*
Hadden, Stuart Robertson	ChC	*Milton Junction*
Hadley, Emily Lydia	LS	*Winnetka, Ill.*
Hagerty, George Arlyn	LS	*Dodgeville*
Hagerty, Robert Frederick	LS	*Peoria, Ill.*
Hahn, Ethel Anna	LS	*Salem*
Haight, Virginia Love	LS	*Glencoe, Ill.*
Haley, Earl Daniel	LS	*Madison*
Hall, Burton Woodworth	LS	*Baraboo*
Halperin, Phillip Harold	Pre-Med	*Madison*
Halstead, Herbert Dwight	GenC	*Madison*
Halverson, Bernice Clarinda	LS	*Stanley*
Halverson, Frank Lawrence (SE)	IndEd	*Superior*
Halverson, Mary Lucile	LS	*Madison*
Halvorson, Newman Thorbus	LS	*Portage*
Hamele, Glendon John	LS	*Portage*
Hamilton, John Sweeney	GenC	*Two Rivers*
Hamilton, Sallie Virginia	LS	*Chicago, Ill.*
Hanaway, Charles Taft	LS	*Green Bay*
Hanke, Robert Edward	GenC	*Oshkosh*
Hannan, Eleanor Lucy	LS	*Milwaukee*
Hansen, Donald Frary	GenC	*Evansville*
Hansen, Gordon Conrad	LS	*Madison*
Hansen, Harry Ingwald (SE)	PhysEd	*Cleveland, Ohio*
Hansen, Helen Rose	LS	*Evansville*
Hansen, Howard C.	ChC	*Glenbeulah*
Hanson, Roy Isadore	GenC	*Madison*
Hanson, Sophie Emma (SE)	LS	*Madison*
Hanzel, Gladys Viola	LS	*River Forest, Ill.*
Harb, George Henry	LS	*Madison*
Harbridge, Frederick Spence	LS	*Racine*
Hardie, Robert Charles	Pre-Med	*Chicago, Ill.*
Harker, Thomas Charles	LS	*Peoria, Ill.*
Harlan, Herbert Graves	LS	*Fort Wayne, Ohio*
Harlow, Frank Edward	LS	*Lakewood, Ohio*

Harris, Mary Margaret	LS	*Madison*
Harrison, Jerome Bryan	LS	*Madison*
Harrison, Richard W.	LS	*Milwaukee*
Hart, James Arthur	LS	*Maywood, Ill.*
Hartman, Jack	CH	*New York, N. Y.*
Hartman, Franklin John	LS	*Florence*
Hartridge, Theodore Livingston	Pre-Med	*Milwaukee*
Haslam, Edward Leonard	LS	*Oshkosh*
Hasler, Edythe Edel	LS	*Canton, Ohio*
Hauck, Celia Ruth	LS	*Sheboygan*
Haugen, Maybell Elizabeth	LS	*Beloit*
Hauprich, Victor Joe	GenC	*Gary, Ind.*
Hawkins, Waldo Pickens, Jr.	LS	*Bowling Green, Mo.*
Hayden, Margery	LS	*La Crosse*
Hayes, Neil Benedict	LS	*Mooseheart, Ill.*
Hayhurst, William Crosby	LS	*Kansas City, Mo.*
Hayner, Bessie Lucile (SE)	PhysEd	*Dayton, Ohio*
Hayward, Arthur Page	GenC	*Baraboo*
Hayward, Daniel Herbert	LS	*Milwaukee*
Healy, Kenneth Clement	LS	*Manitowoc*
Hedback, William Deming	Pre-Med	*Cumberland*
Heibl, Joseph John	LS	*South Milwaukee*
Heidt, Francis Henry	LS	*Portage*
Heilprin, Bernard	LS	*Madison*
Heim, Henry Ferdinand	LS	*Madison*
Heinz, Robert Alexander	LS	*Milwaukee*
Heller, Daniel Bernard	LS	*Milwaukee*
Heller, Nathan Willis	LS	*Wauwatosa*
Helm, Gertrude Marie	LS	*Royalton*
Helmich, Lenore Salome	LS	*Chicago, Ill.*
Helz, Armin W.	ChC	*Milwaukee*
Henderson, Elizabeth Mary (SE)	AA	*Chicago, Ill.*
Henriksen, Ellen Irene	GenC	*Columbus*
Herbster, Kenneth Edwards (SE)	PhysEd	*Madison*
Hergenhan, Mildred E.	LS	*Valhalla, N. Y.*
Hering, Marion Marie	Mu	*Lodi*
Herreid, Jerome Harris	LS	*Deerfield*
Herrick, Gertrude Louise	LS	*Glendive, Mont.*
Herz, Theodore	LS	*Chicago, Ill.*
Hibma, Theressa Theodora	LS	*Madison*
Hicks, Blanche Elinor (SE)	AA	*Madison*
Higley, Stuart Luther	LS	*East Cleveland, Ohio*
Hildebrand, William Bennett	Pre-Med	*Huntington, Ind.*
Hill, Maurice Earl	Pre-Med	*Chicago, Ill.*
Hillier, Bernice Bell	LS	*Lodi*
Hillman, Evalyn E.	LS	*Walworth*
Hilty, Robert Oxley	LS	*Toledo, Ohio*
Hines, William Gordon	LS	*Leominster, Mass.*
Hitchner, DeVore Orrawa	LS	*Freeport, Ill.*
Hoagland, Martha Bell	LS	*Chicago, Ill.*
Hoebel, Mary Marcia (SE)	AA	*Madison*
Hoelzer, Cecilie Mary	LS	*Milwaukee*
Hoff, Marie Ingrid	LS	*Mount Horeb*
Hoffman, Evelyn Lucille (SE)	AA	*Chicago, Ill.*
Hoffman, Jacob Samuel	Pre-Med	*Milwaukee*
Hoffmann, Howard Stephen	LS	*South Milwaukee*
Hoffrichter, Maria Eileen	LS	*Kewanee, Ill.*
Hohlfeld, Mrs. Helen A.	LSAdSp	*Madison*
Hollaender, Alexander	LS	*St. Louis, Mo.*
Holle, Stafford Oscar	LS	*Nashotah*

Holliday, Murray Lucas	GenC	*Fair Mount, Ind.*
Holm, Henry Joseph	LS	*Madison*
Holmburg, Charles W.	LS	*New York, N. Y.*
Holmes, Edith Roberta	Mu	*Sturtevant*
Holstein, Theodore Stiehl	LS	*Madison*
Holt, Dorothy Janet	LS	*Edgerton*
Holtzmann, Pearl Hedwig	LS	*Ableman*
Hopman, Helen Marie	AA	*Hammond, Ind.*
Hornback, Howard Dodd	LS	*Hannibal, Mo.*
Horr, Marian Suzanne	LS	*Milwaukee*
Horton, Rebecca Jane	LS	*Miles City, Mont.*
Hougen, Edward Thomas	Pre-Med	*Wisconsin Rapids*
Howard, J. G.	GenC	*Waukesha*
Howland, Lillian Aletha	LS	*Merrill*
Hoy, Caroline Rebecca	LS	*Freeport, Ill.*
Hoyle, Charles Edward	LS	*Lombard, Ill.*
Hrubecky, Charles August	ChCC	*Neenah*
Hulten, Charles Morris	LS	*Marinette*
Hume, John Paul	LS	*Milwaukee*
Humphrey, Charles Amherst	ChCC	*Randon Lake*
Hunn, Joan Landon	LS	*Racine*
Hunter, Jean Marie	LS	*Milwaukee*
Hurd, Emily Vaughan	LS	*St. Louis, Mo.*
Hurd, Robert Wilson (SE)	AA	*Madison*
Hurth, Mary Caroline	LS	*Cedarburg*
Hurwitz, Leonard	GenC	*Chicago, Ill.*
Husting, John Jacob	LS	*Mayville*
Hutchins, Delbert Tennyson	ChCC	*Fond du Lac*
Huth, Dorothy Lillian	LS	*Watertown*
Hyer, Richard Allen	LS	*Fairwood, N. J.*
Hyslop, June Arleen	GrN	*La Valle*
Icke, Philip Frederick	LS	*Madison*
Ingebritsen, Marie arolyn	GrN	*Madison*
Jackson, Alice Josephine	LS	*Madison*
Jackson, Elizabeth Esther	LS	*Pittsburgh, Pa.*
Jacobson, Clarence Raymond	LS	*Oconomowoc*
Jacobson, Lester Allen	PhIV	*Hudson*
Jacobson, Roland Eugene	LS	*Rochester, Minn.*
Jaeger, Charles Peter	LS	*Highland Park, Ill.*
Jaeger, Charlotte Marie	AA	*Madison*
Jaeger, Conrad Carl	LS	*Madison*
James, Henry Harrison	GenC	*Portage*
Jamieson, Rosalie Agnes	LS	*Shullsburg*
Janda, Hazel Anna	LS	*Hartland*
Janeck, Geraldine Margaret	LS	*Madison*
Janssen, Evelyn Rose	LS	*Wauwatosa*
Jeffrey, Emily Dorcas	LS	*Detroit, Mich.*
Jennings, Jessie Meredith	LS	*Mineral Point*
Jenny, Selina Louise	LS	*New Glarus*
Jenson, Dale Walters	LS	*River Falls*
Jhung, Walter S.	LS	*Honolulu, Hawaii*
Jirtle, Pearl Margaret (SE)	AA	*Racine*
Joachim, Frederick George	Pre-Med	*Madison*
Jochem, Frederic Leopold	LS	*Cedarburg*
Johns, Harry	LS	*Dodgeville*
Johns, Raymon Albert	LS	*Nekoosa*
Johnson, Adolph L.	LS	*Marinette*
Johnson, Clifford C.	LS	*Holmen*
Johnson, Colonel R. M.	Pre-Med	*Harvard, Ill.*
Johnson, Dorothy Haldes	LS	*Stoughton*
Johnson, Esther Helen	LS	*Madison*

Johnson, Gladys Marie (SE)	PhysEd	*Spirit*
Johnson, Helen Caroline (SE)	AA	*Chicago, Ill.*
Johnson, Marion Anna	GrN	*Superior*
Johnson, Miriam Alford	LS	*Detroit, Mich.*
Johnson, Raymond Eckles	GenC	*Wausau*
Johnson, Ruth Margaret	GrN	*Superior*
Johnson, Signe Silvia	LS	*Los Angeles, Cal.*
Johnson, Van Loran	CH	*Medford*
Johnston, Albert McGregor	Pre-Med	*Mineral Point*
Johnston, Russell Conrad	Pre-Med	*Kenosha*
Johnstone, Mary Melissa	LS	*Racine*
Jonas, August Frederick	Pre-Med	*Omaha, Neb.*
Jones, Calvin, Jr.	GenC	*Birmingham, Ala.*
Jones, Donald A.	LS	*Lodi*
Jones, Florence Gwendolyn	LS	*Bismark, N. Dak.*
Jones, Haydon Addison	LS	*Madison*
Jones, John Lloyd	LS	*Madison*
Jones, Olive Frances	LS	*Madison*
Jones, Ronald Chalmers	LS	*Evansville*
Jordan, Martin Leroy	GenC	*Barneveld*
Jorgensen, Philip Burnell	Pre-Med	*Green Bay*
Jorgenson, Chester Eugene	LS	*Racine*
Joseph, Bernard	LS	*Chicago, Ill.*
Juncker, Aaron John	GenC	*Evansville,* Ind.
Kaftan, Robert Joseph	LS	*Green Bay*
Kahn, Nathan Bernard	LS	*Milwaukee*
Kaiser, Harvey Ervin	LS	*Milwaukee*
Kammholz, Theophil Carl	LS	*Rib Lake*
Kanter, Mary Charlotte	LS	*Milwaukee*
Kantor, Josephine Anne	LS	*Beloit*
Karl, Harry Abraham	LS	*Milwaukee*
Karsten, Ira Earl	LS	*Burlington*
Kasdin, Beatrice	LS	*Madison*
Kastner, Elfrieda M.	LS	*Milwaukee*
Katona, Arthur	LS	*Cleveland, Ohio*
Kaudy, Robert McAllister	GenC	*Wisconsin Rapids*
Kaufman, Henry Norman	LS	*Milwaukee*
Kautz, Walter Frederick	LS	*Madison*
Keenan, Arthur John	LS	*Beloit*
Keenan, George Ignitius	PhIV	*Elkhart Lake*
Keene, Kenneth William	LS	*Milwaukee*
Kelley, Mary Elisabeth (SE)	LS	*Pittsburgh, Pa.*
Kelling, Lillian Minna	LS	*Madison*
Kellock, Grace Jean	LS	*Weyauwego*
Kellogg, Charles Frederick	ChC	*Nekoosa*
Kelly, Harold Francis	LS	*Milwaukee*
Kelly, Raphael Leo	LS	*Evanston, Ill.*
Kennedy, Joe E.	LS	*Tulsa, Okla.*
Kennedy, Rebecca Scholasticia	LS	*Mendota*
Kenney, Robert James	LS	*Madison*
Kent, Ann Patrick	LS	*Washington, D. C.*
Kenyon, Elmer Allen	LS	*Mondovi*
Kenyon, W. Armour	LS	*Mondovi*
Kerr, Leona Marie	LS	*Lancaster*
Kerst, Herman Jr.	ChC	*Wauwatosa*
Kester, Waldo Zahn	GenC	*Antigo*
Kettle, Eleanor Edwards	LS	*Kalamazoo*
Keuper, Isabelle Louise	LS	Union Grove
Kieffer, Lloyd Maurice	LS	*Lena*
Kielley, Lyle James	LS	*Superior*
Kieweg, Howard Hoffman	LS	*Kewaunee*

Kimmel, Maurice Dan	Pre-Med	*Milwaukee*
Knsella, Florence Marion	LS	*Milwaukee*
Kinsley, Frances Vivian (SE)	AA	*Elgin, Ill.*
Kircher, Everett John	CH	*Sheboygan*
Kirivin, Lois Kathryn	PhIII	*Madison*
Kissinger, Esther Marie	LS	*Elkhart Lake*
Kittsley, Harold J.	LS	*Cedarburg*
Kleinhans, Josephine Mary	LS	*Chicago, Ill.*
Kleinpell, Irma Eloise	LS	*Madison*
Kletzein, Gretchen E.	LSAdSp	*New Holstein*
Klieger, Samuel J.	Pre-Med	*Milwaukee*
Klika, Helen Elizabeth	LS	*Cicero, Ill.*
Kline, Albert Adolph	Pre-Med	*Verona*
Klune, Frances Marion	LS	*Chisholm, Minn.*
Knauf, Alice Katherine (SE)	AA	*Chilton*
Knauf, Frederick Arthur	Pre-Med	*Kiel*
Knuth, George Adolph	LS	*Milwaukee*
Konnak, William Frank	Pre-Med	*Racine*
Kopp, Frederick N. (SE)	AA	*Santa Monica, Cal.*
Korman, Seymour Morton	LS	*Milwaukee*
Kowalsky, John William	LS	*Milwaukee*
Kramer, Kenneth Waldemar	LS	*Evanston, Ill.*
Krasno, Maxwell Robert	LS	*Milwaukee*
Krause, William Frederick	LS	*Wausau*
Krehma, Ludwig Charles	ChC	*Casco*
Kreiser, Fred Marcus	LS	*Sioux Falls, S. Dak.*
Kresky, Joseph Lawrence	GenC	*Marinette*
Krohn, Ruben Gustave	PhIV	*Sullivan*
Krom, Arthur K.	LS	*Merrill*
Kroncke, George August	LS	*Madison*
Kroncke, Harriet Hermine (SE)	PhysEd	*Madison*
Krueger, Gilbert Hugo (SE)	AA	*Neenah*
Krueger, Lillian Elinor	LS	*Milwaukee*
Krueger, Stanley Sanford	LS	*Sioux City, Iowa*
Krumbiegel, Edward Richard	GenC	*Milwaukee*
Krumm, Elinor Marie	LS	*Chicago, Ill.*
Kubly, Stanley Vincent	LS	*Madison*
Kuenkler, Arthur	LS	*Kenosha*
Kundert, Harold John	LS	*Madison*
Kundert, Helen Frances	LS	*Monroe*
Kurtenacker, Karl Stephen	GenC	*Madison*
Kurtz, Elmer William	LS	*Cedarburg*
Kusner, John Peter	ChCC	*Cleveland, Ohio*
Kyle, Constance	LS	*Tomah*
Kyr, Harry Robert	LS	*Cleveland, Ohio*
Labowitch, Mildred Z.	LS	*Chicago, Ill.*
Laird, Helen Muriel	LS	*Riverside, Ill.*
Lamb, Mona Berenice	LS	*Evansville*
Lamm, Arnold Edward	LS	*Freeport, Ill.*
LaMore, Ruby Kristine	LS	*Madison*
Landaal, Sylvia Clarice (SE)	AA	*Waupun*
Lander, Quintin Scougall	LS	*Rockford, Ill.*
Landgren, Carl Oscar	LS	*Kenosha*
Lane, Laura Minerva	LS	*Madison*
Langabeer, Lillian Agatha	LS	*Fairbury, Ill.*
Lange, Edward Laurence, Jr.	LS	*Winnetka, Ill.*
Lange, John Gustav	LS	*Mayville*
Langworthy, Emma Frances (SE)	Mu	*Edgerton*
Laport, Aletha	LS	*Kansas City, Mo.*
Larsen, Fred Nels	LS	*Chicago, Ill.*
Larson, Carl Theodore	Pre-Med	*Mondovi*

Larson, Donald Julius	LS	*McFarland*
Larson, Frans Gustaf	LSAdSp	*Green Bay*
Larson, Violet Clarice	LS	*Madison*
Lasater, Lois	LS	*Falfurrias, Texas*
Laubenstein, Harold John	GenC	*Port Washington*
Lauson, James G.	LS	*New Holstein*
Laurence, Lee Edward	LS	*Madison*
Leahy, Robert James	LS	*Monroe*
Lease, Elmer John	ChC	*Madison*
Lebensohn, Zigmond Meyer	Pre-Med	*Kenosha*
LeCount, Kenneth Robert	LS	*Hartford*
Lee, Adolph Sigreid	LS	*Deerfield*
Lee, Helen Dorothy	LS	*DePere*
Leemkuil, Raymond	LS	*Burlington*
Lehman, Lawrence Walter	LS	*Horicon*
Leisk, James Henry	LS	*Milwaukee*
Leitsch, William Waldo	GenC	*Columbus*
Lemmer, Ruth Thelma	LS	*Spooner*
Lenicheck, Herbert C. A. (SE)	AA	*Milwaukee*
Leonard, Orville Chester	LS	*Kenosha*
Leopold, Margaret	LS	*Altoona, Pa.*
Leshin, Arno	Pre-Med	*Milwaukee*
Le Stourgeon, Kathryne Pauline	LS	*Arkansas City, Kans.*
Levine, Nathan	LS	*Racine*
Levy, Robert Henry	LS	*Chicago, Ill.*
Lewis, Betty Olive	LS	*Madison*
Leyda, Gertrude	LS	*Oregon*
Libby, Robert Howard	Pre-Med	*Seymour*
Lieb, Philip Walter (SE)	PhysEd	*Faribault, Minn.*
Liebenberg, Henry Schoepp	Pre-Med	*Alma*
Liebenberg, Rex Lisnel	GenC	*Madison*
Lieder, Rosella Maurine	HygC	*North Freedom*
Linden, John Micheal	Pre-Med	*Madison*
Lindemann, Max Sydney	LS	*Madison*
Lindsay, Mary Elliott	LS	*Kiel*
Lipkin, John	Pre-Med	*Milwaukee*
Liske, Claire C.	LSAdSp	*Pewaukee*
Livergood, Florence Belle	LS	*Madison*
Livingston, Max	Pre-Med	*Livingston*
Livingston, Roscoe Norman	LS	*Livingston*
Lloyd, Merton Moore	LS	*Oshkosh*
Lock, Florence Kathryn	LS	*Milwaukee*
Loehning, Gaylord Carl	LS	*Neenah*
Lofy, Jerome John	LS	*South Milwaukee*
Lohr, Carlton E.	LS	*Hartford*
Loomans, Sarah Lillian	LS	*Waupun*
Loomis, Damon Ward (SE)	IndEd	*Kilbourn*
Lotwin, Rachael (SE)	LS	*Menomonie*
Loudenbeck, Dorothy Elizabeth	LS	*Montclair, N. J.*
Loven, Otto Earl	LS	*Oak Park, Ill.*
Lowater, Donald Weldon	LS	*Spring Valley*
Lucas, Daniel Abraham	Pre-Med	*Milwaukee*
Lucas, Ellen G.	GenC	*Virginia, Minn.*
Ludden, Margaret J.	LS	*Mineral Point*
Luedke, Dorothy Ruth	LS	*Chicago, Ill.*
Lueth, Charles S.	ChCC	*Manitowoc*
Lunceford, Kathryn Mary	LS	*Chicago, Ill.*
Lunde, Eleanor Clara	LS	*Madison*
Luntz, Edna Alma	LS	*Pittsburgh, Pa.*
Lutz, Bernard James	LS	*Chicago, Ill*
Lybarger, Elizabeth Anne	LS	*Gambier, Ohio*

Lyman, Charles Winthrop	LS	*Madison*
Lyon, Louise Nonette	LS	*Glenwood, Iowa*
Lyon, Widney	GenC	*St. Louis, Mo.*
Lyons, Gladyse Elaine	LS	*Pulaski*
Lytle, Paul Apthorp	GenC	*Cleveland, Ohio*
McArthur, Andrew Mills	LS	*Baraboo*
McBain, Frederica Eileen Elizabeth	LS	*Madison*
McBrady, John Whitten	GenC	*Evanston, Ill.*
McBurney, Floyd Willard	LS	*Madison*
McCashen, Beulah Norcross	LS	*Cleveland Heights, Ohio*
McCaul, Alice Louise	LS	*Tomah*
McClun, John Edgar	LS	*Chicago, Ill.*
McCormick, Lawrence Joseph	GenC	*Soldiers Grove*
McCormick, Montgomery Patrick	LS	*Madison*
McCormick, Robert Becker	LS	*Madison*
McCutchin, Thomas Otto	GenC	*Dodgeville*
McDermaid, Donald W.	LS	*Rockford, Ill.*
McDermand, Thomas Lionel	LS	*Manitowoc*
McDermott, Cyril Francis	Pre-Med	*Maywood, Ill.*
McDermott, Stephen Edward	LS	*New Richmond*
McDonald, Ben Terry	LS	*Rock Island, Ill.*
McDonough, William Bernard	Pre-Med	*LaCrosse*
McGann, Robert Lee	LS	*Baraboo*
McGowan William J.	LS	*Janesville*
MacGregor, Roderick Dhu	LS	*Madison*
McIlrath, William Frederick	LS	*Kenosha*
McKahan, George A.	LS	*Wausau*
McKaskle, Herman Elmer	LS	*Coy, Arkansas*
McKenna, Marjorie Rose	LS	*Antigo*
McKenna, Mildred	LS	*Antigo*
McKenzie, Margaret Christine	PhysEd	*Detroit, Mich.*
McKy, Keith Beryl	LS	*Blue River*
McLellan, Helen (SE)	PhysEd	*Burlingame, Cal.*
McLellan, Margaret	LS	*Burlingame, Cal.*
McLeod, Elizabeth Anabel	LS	*Madison*
McMechan, John Burns	LS	*Evanston, Ill.*
McMullen, James Allen	LS	*Omaha, Nebr.*
McMurray, Jonathan Harold	LS	*Madison*
McNary, David Littell Jr.	LS	*Freeport, Ill.*
Maas, Gladys Emma	LS	*Belleville*
Maaske, Clarence Alfred	Pre-Med	*Mayville*
Mabry, Aurelius Vern	LS	*Birmingham, Ala.*
Mack, Robert Gardner	LS	*Niagara Falls, N. Y.*
Maecker, Harold Theodore	LS	*Milwaukee*
Maercklein, Dorothy	Mu	*Ashley, N. Dak.*
Maertz, Melbourne Jesse	Pre-Med	*Antigo*
Magistad, Janet Agnes	GrN	*Forestville*
Mahoney, Kenneth L. (SE)	GenC	*Mazomanie*
Maier, Elizabeth Margaret	*LS*	*Antigo*
Major, Francis Willard	PhIII	*La Farge*
Malkow, Florence Wilma	LS	*Albany*
Malsin, Pearl Sylvia	LS	*Republic, Mich.*
von Maltitz, Helmut Karl	LS	*Gary, Ind.*
Mandelstom, Theodore Dale	LS	*Sioux City, Iowa*
Manfield, Frieda S.	LS	*Sterling, Ill.*
Mansfield, Wilbur Lloyd	Pre-Med	*Milwaukee*
Mansky, Joe	PhIV	*Beloit*
Mantell, Louis Kenneth	Pre-Med	*Racine*
Manzer, Henry Maxwell	LS	*Madison*
Mapes, Lloyd Archie	LS	*Madison*
Margolis, Milton J.	LS	*Milwaukee*

Marks, Dorothy Anita	LS	*Des Moines, Iowa*
Marling, M. Cecilia	GenC	*Madison*
Marsden, Evelyn Marion	LS	*Chicago, Ill.*
Marshall, Philip Gregory	GenC	*Milwaukee*
Martin, Donald John	LS	*DePere*
Martin, Isabelle Cora	LS	*Tomah*
Martin, Lenore Wilhemina (SE)	AA	*Fond du Lac*
Martin, Stanley	LS	*Chicago, Ill.*
Marting, Suzanne	CH	*Detroit, Mich.*
Masden, Virginia Beatrice	LS	*Milwaukee*
Mason, Carol Alice	LS	*Milwaukee*
Mason, Lester Bertram	LS	*Chicago, Ill.*
Mason, Victoria Alwyn	LS	*Marshfield*
Mather, Carmen Anita	LS	*Atlanta, Ga.*
Mathias, Walter Henry (SE)	PhysEd	*Rib Lake*
Mathison, Elizabeth Jean	LS	*Lake Geneva*
Matthews, Donald Clyde	GenC	*Elizabeth, Ill.*
Matthusen, Carl Henry (SE)	PhysEd	*Chicago, Ill.*
Mattson, Marvin R.	LS	*Superior*
Maurseth, Ellenor	LS	*Madison*
Mautz, Helen Dorothy	LS	*Madison*
May, Harry Carlton	LS	*Evanston, Ill.*
Mazursky, David Solomon	LS	*Madison*
Meadows, Carl	LS	*Chicago, Ill.*
Medaris, Thomas Wayland	GenC	*Truesdale*
Meienburg, Milton William	LS	*Manitowoc*
Meigs, Hester	LS	*Lafayette, Ind.*
Meiklejohn, Donald Waldron	LS	*Madison*
Meindle, Frank	ChC	*Butternut*
Meisnest, Earl	LS	*Manitowoc*
Mellody, Margaret (SE)	PhysEd	*Chicago, Ill.*
Merrill, William James (SE)	AA	*Portage*
Mertens, Irma Anna	HygC	*Thorp*
Meslow, Ormand Bredesen	LS	*Chippewa Falls*
Messerschmidt, Bernice Katherine	LS	*Nakoma, Madison*
Metz, Anton Leo Jr.	LS	*Madison*
Metz, Grace Elizabeth (SE)	GenC	*Faulkton, S. Dak.*
Metz, Orland Thorp	LS	*Springfield, Ill.*
Meyer, Jeanne	LS	*White Plains, N. Y.*
Meuer, Roman	LS	*Madison*
Michelson, Mary Meta	LS	*Hazelhurst*
Mickelson, Palmer Melvin (SE)	PhysEd	*Madison*
Middeldorf, Loretta Josephine	LS	*Beloit*
Milhaupt, Emmett Norbert	Pre-Med	*Milwaukee*
Miller, Beulah Mercy Susan	LS	*Madison*
Miller, Carrie A. Egge	LS	*Madison*
Miller, David M.	LS	*Milwaukee*
Miller, Enoch Walter	LS	*Sheboygan*
Miller, Harry Ely	LS	*Milwaukee*
Miller, Lora Merle	Mu	*Racine*
Miller, Mary Agnes	LS	*Kansas City, Mo.*
Miller, Mary Harriet	LS	*South Bend, Ind.*
Miller, Paul Richard	LS	*Fennimore*
Miller, Verna Marie (SE)	PhysEd	*New Ulm, Minn.*
Mills, Charles Selby	Pre-Med	*Madison*
Miner, Harold Ernest	ChC	*Phillip*
Minton, Carl Welch	LS	*Detroit, Mich.*
Minton, Melvin Maurice (SE)	PhysEd	*Minocqua*
Misfeldt, Ruth Hilda	LS	*Chippewa Falls*
Mittelman, Julia Reivitz (SE)	LS	*Chicago, Ill.*
Mittermeyer, Edward Joseph	Pre-Med	*Boyd*

Mizer, Hamilton Boyd	LS	*Niagara Falls, N. Y.*
Mohardt, Pat Leigh	LS	*Gary, Ind.*
Mohler, Catherine Higbee	LS	*Madison*
Molzahn, Roland Frederick	LS	*La Crosse*
Monahan, Margaret Alice	LS	*Milwaukee*
Monroe, Florence Rachael	LS	*Shelbyville, Ill.*
Moore, Maurice Letourneau	Pre-Med	*Owensboro, Ky.*
Moore, Ralph Nicholas	PhIII	*Streator, Ill.*
Moran, Thomas Holden	GenC	*Madison*
Morell, Sam	LS	*Brooklyn, N. Y.*
Moren, Robert William	LS	*Freeport, Ill.*
Morgan, Curtis Deitrich	LS	*La Crosse*
Morgenson, Walter Eugene	GenC	*Madison*
Morhoff, Russell William	Mu	*Madison*
Moriarty, Margaret Rose	LS	*Bear Creek*
Morison, Robert Swain	LS	*Milwaukee*
Morris, Elizabeth F.	Mu	*Chicago, Ill.*
Morrison, David S.	LS	*Rockford, Ill.*
Morrison, Donald Wainwright	GenC	*Oak Park, Ill.*
Morrissy, John Bearnish	GenC	*Elkhorn*
Morrow, Florence Margaret	LS	*Blue River*
Morsbach, Charles Albert	LS	*Chicago, Ill.*
Morse, Marjorie Jane	LS	*Madison*
Mortensen, Mary Jane Seaman (SE)	AA	*Milwaukee*
Morton, Emanuel D.	LS	*Chicago, Ill.*
Morton, Frederick Greenwood	LS	*Wauwatosa*
Morton, Godfrey Lyman	LS	*Wauwatosa*
Mudgett, Margaret Elizabeth	LS	*Zion, Ill.*
Mueller, Addison Archibald	LS	*Milwaukee*
Mueller, Alfred Robert	LS	*Milwaukee*
Mueller, Gertrude P.	LS	*Forestville*
Mueller, William Arthur	LS	*Aberdeen, S. Dak.*
Muenich, Herbert John	Pre-Med	*Argyle*
Mullen, Donald Arthur	Pre-Med	La Crosse
Mullen, Lyman Aaron	LS	*Deerfield*
Muller, Virginia Alexandrine	LS	*Madison*
Munson, Mildred Oneta	LS	*London*
Munson, Newell Coyt	LS	*Prairie du Chien*
Murphy, Frederick Elbridge	LS	*Green Bay*
Murphy, James Thaddeus	LS	*Mazomanie*
Murphy, Max Dorr	GenC	*Green Bay*
Myers, Arno Rhodes	LS	*Clarion, Iowa*
Myers, Nell Mary	GrN	*Glen Haven*
Nagel, Edna Ottilie	LS	*Antigo*
Naset, Clarice Ann	LS	*Sparta*
Nathan, Celia	LS	*Milwaukee*
Nebel, Paul John	ChCC	*Oshkosh*
Necarsulmer, Evelyn	LS	*New York, N. Y.*
Needleman, Rae Leona	LSAdSp	*Madison*
Nell, Harry William	LS	*South Milwaukee*
Nelson, C. Hjalmar	LS	*Escanaba, Mich.*
Nelson, Clayton Theron (SE)	PhysEd	*Valders*
Nelson, Daniel Earl	LS	*Chicago, Ill.*
Nelson, Helen Ida	Mu	*Marinette*
Nelson, Mildred Thelma	GrN	*Doylestown*
Nequette, Allen C.	GenC	*Janesville*
Newcomb, Floyd Turner Jr.	LS	*Kansas City, Mo.*
Neuenfeldt, Frederick William	LS	*Chicago, Ill.*
Neupert, Lawrence Otto (SE)	PhysEd	*London*
Nichols, Florence May	LS	*Madison*
Nichols, Marian Elizabeth	LS	*Delavan*

Nickel, William Carl	LS	*Sheboygan*
Nickols, Dorothy May	LS	*Lincoln, Ill.*
Nides, Millicent Rhoda	LS	*Duluth, Minn.*
Niemann, Carl G.	ChC	*St. Louis, Mo.*
Niles, Helen Marie (SE)	AA	*Madison*
Norem, Walter	Pre-Med	*Bryant*
Norris, Jane Margaret	LS	*Manitowoc*
Noth, Rubye Ethel	LS	*Tomah*
Nourse, Mildred Ella	Mu	*Sextonville*
Nowell, Willis Everett	GenC	*Juneau, Alaska*
Nugent, Edith R.	LS	*Dowagiac, Mich.*
Nutting, Margaret Hadlock	LS	*Madison*
Nyden, Ruby Carolyn	LS	*Chicago, Ill.*
Oakey, Philip Herbert	Pre-Med	*Madison*
O'Brien, Lee Martin	LS	*Madison*
O'Brien, Marian Eileen	ChC	*Shullsburg*
O'Brien, Winifred	LS	*Milwaukee*
Ochsner, Alice Constance	LS	*Chicago, Ill.*
O'Connell, Robert Hollis	LS	*Janesville*
O'Connor, Kenneth Meredith	ChCC	*La Crosse*
O'Donnell, Dorothy Julia	LS	*Antigo*
Oelmiller, Alma Katherine	LS	*Madison*
Oestreich, Harlow Arthur	Pre-Med	*Fort Atkinson*
O'Hearn, Leslie Leo	LS	*Reedsville*
Olrich, Wilson Macgregor	LS	*Madison*
Olsen, Astrid Rebecca	GrN	*Beloit*
Olsen, Bernice O.	LS	*Monroe*
Olsen, Clarence (SE)	LS	*Milwaukee*
Olson, Ralph E.	ChCC	*Fox Lake, Ill.*
Olson, Carl Porter	Pre-Med	*Sheboygan*
Olson, Carolyn	LS	*Glencoe, Ill.*
Olson, Gilbert Byron (SE)	PhysEd	*Neillsville*
Olson, Norma Jean	LS	*Madison*
Olson, Warren Zinser	ChC	*Beaver Dam*
Olwell, Glenn Francis (SE)	PhysEd	*Madison*
O'Neil, William Albert	LS	*Prairie du Chien*
Onsgard, Claire Lewis	LS	*Stoughton*
Onsgard, Orin Kenneth	LS	*Madison*
Orcutt, Fred Scott	ChC	*Sioux City, Iowa*
Orth, Daniel Adam Jr.	Pre-Med	*Chicago, Ill.*
Orth, Marie Catherine	LS	*Milwaukee*
Orton, Richard William	LS	*Lancaster*
Osborne, Marguerite Mary	Mu	*Milwaukee*
Oscar, Ruth Edna	LS	*Madison*
O'Sheridan, Francis Philip	LS	*Madison*
Osterhoudt, Walter Jabez	LS	*Carthage, N. Y.*
Otjen, Theodore Putnam	LS	*Milwaukee*
Ott, George Lewis	Pre-Med	*Marinette*
Ottenstein, Jack Conrad	LS	*Milwaukee*
Ottow, Milo William	GenC	*Madison*
Owen, Sara Adeline	LS	*Madison*
Owens, Alfred W.	LS	*Granville, Ohio*
Packer, Margaret Avilla	LS	*Madison*
Page, Dorothy Brown	LS	*Madison*
Paine, Archie Morgan	LS	*Eau Claire*
Palm, Paul Oscar	LS	*Williams Bay*
Palmer, Marion Annette	Mu	*Columbus*
Palmeri, Joseph	LS	*Madison*
Pannier, Paul John	LS	*Chippewa Falls*
Pape, William George (SE)	LS	*Reedsburg*
Paradies, Frederick Arthur	LS	*Manila, P. I.*

Parish, George Alvin	Pre-Med	*Marinette*
Parker, Cedric Milford	LS	*Fennimore*
Parkhurst, Mary E. Grant (SE)	PhysEd	*Buffalo, N. Y.*
Parkinson, Eleanor Katherine	LS	*Madison*
Parkinson, John Strong	LS	*Madison*
Parks, John Louis	LS	*Muskogee, Okla.*
Parsons, Dorothy Louise	LS	*Newark, N. J.*
Pasch, Maurice Bernard	LS	*New Holstein*
Paterson, James Sanborn	GenC	*Portage*
Patnode, Loraine Gertrude	LS	*Sioux Falls, S. Dak.*
Pattee, Dorothy Janet	LS	*Pueblo, Colo.*
Patterson, Carl Carlisle	LS	*Wauwatosa*
Pattison, Donald Hoggart	Pre-Med	*Rochester, Minn.*
Paul, Gwendolyn Genevieve	LS	*Milton Junction*
Paust, Martin Andrew	LS	*Columbus*
Payne, William Edward	LS	*Wausau*
Pearl, Jane Lindsay	LS	*Madison*
Pease, Florence Reed (SE)	PhysEd	*Richland Center*
Pease, Frederica	LS	*Hinsdale, Ill.*
Pech, Ruth Hermoine (SE)	AA	*Manitowoc*
Pennefeather, Mary Joan	LS	*Kenosha*
Perkins, Gertrude Covington	LS	*Bay St. Louis, Miss.*
Perlman, Tillie A.	LS	*Madison*
Perlson, Edward Frederic	GenC	*Milwaukee*
Perry, Donald Berwick	LS	*Superior*
Perssion, Leon	Pre-Med	*Milwaukee*
Peske, Edgar	LS	*Chicago, Ill.*
Pestien, Victor Oliver	ChC	*Sheboygan*
Peter, Herbert	LS	*Mercer*
Peters, Chester Frederick	LS	*Milwaukee*
Peters, Henry Pierce	LS	*Glenwood, Minn.*
Peters, Keith Wadsworth	LS	*Peoria, Ill.*
Peterson, Alden Gehardt	LS	*Westby*
Peterson, Amy Dorothy	LS	*Ephraim*
Peterson, Gladys Eleanor	LS	*Hollandale*
Peterson, Lawrence Levern	LS	*Osceola*
Peterson, Milton Carl	Pre-Med	*Rockford, Ill.*
Pfeifer, Carl Lowell	LS	*Milwaukee*
Pfeiffer, Carl Curt	ChC	*Peoria, Ill.*
Pfister, Elizabeth Joan	LS	*Kilbourn*
Pheatt, Mabel Katharyne	LS	*Milwaukee*
Philipp, Telo H.	ChC	*Lake Geneva*
Phillips, David	LS	*Kenosha*
Phillips, Robert Thomas	PhIV	*Springfield, Ill.*
Piehl, Mayron F.	LS	*Williams Bay*
Pierstorff, Venice Ann Mary	GrN	*Madison*
Pike, Mildred Elsie	GrN	*Portage*
Pinkerton, Carleton Clark	ChCC	*Oshkosh*
Piore, Emanuel Ruvin	LS	*Brooklyn, N. Y.*
Piper, Carl Victor	ChCC	*Watertown*
Piper, Roland Arthur	Gen	*Madison*
Pisha, Evelyn Desdamona	LS	*Chicago, Ill.*
Pivonka, John B.	LS	*Sturgeon Bay*
Plous, Harry James	LS	*Kenosha*
Pohle, Max W.	Pre-Med	*Madison*
Polk, Jean Elizabeth	LS	*Madison*
Pollock, Sylvia Mae (SE)	LS	*Chicago, Ill.*
Pomrening, Carl Herman	Pre-Med	*De Pere*
Poole, Eleanor Foster	LS	*Muskegon, Mich.*
Popuette, Theodore Samuel	LS	*Medford*
Porter, Bernard Robert	LS	*Madison*

Posner, Herman Jerome	LS	*Milwaukee*
Posthuma, Catherine Claire	LS	*Chicago, Ill.*
Powell, Ezra Harry	LS	*Elkhorn*
Potter, M. Ivan	LS	*South Milwaukee*
Powell, Roland Stephen	ChC	*Stevens Point*
Powell, William Carter	LS	*Wauwatosa*
Preston, Helen Erma	LS	*St. Louis, Mo.*
Price, Jessie Ethelyn	LS	*Denver, Colo.*
Prinz, Franklin Ward	LS	*Oak Park, Ill.*
Prochep, Frances Lillian	LS	*Milwaukee*
Pumpian, Molly Mavis	LS	*Chicago, Ill.*
Purtell, Joseph Paul	LS	*Milwaukee*
Putnam, Monroe Lake (SE)	IndEd	*Harvard, Ill.*
Quam, Margaret Jeanette	LS	*Lodi*
Quandt, Bernice I.	LS	*Hartford*
Rabinovitz, Samuel	LS	*Milwaukee*
Raddatz, Stanley Gustav	LS	*Madison*
Ramis, William	GenC	*Chicago, Ill.*
Ramsey, William Russell	LS	*Chicago, Ill.*
Rance, Evan Henry	LS	*Kenosha*
Rauschenberger, Charles Louis	LS	*Elgin, Ill.*
Rawson, Thomas Scott	LS	*Des Moines, Iowa*
Ray, Irwin	LS	*Chicago, Ill.*
Rector, Thelma	LS	*Sharon*
Redford, John	LS	*Wisconsin Rapids*
Reed, Edward Franklin	LS	*Neosho, Mo.*
Reed, Elizabeth Ruth	LS	*Boone, Iowa*
Reed, Ezekiel Conover	LS	*Atlantic City, N. J.*
Reed, William E.	Pre-Med	*Sullivan*
Reeke, John Donald	LS	*Green Bay*
Reese, Eleanor Ann-Louise	LS	*Oak Park, Ill.*
Regan, Caryl Ann	LS	*Madison*
Reichenberg, Lois Marjorie	LS	*Omaha, Nebr.*
Reid, James Alexander	ChC	*Genoa, Ill.*
Reilly, James Philip	LS	*Madison*
Reis, Louis Norman	Pre-Med	*Odebolt, Iowa*
Rendle, Eleanor Denmark	LS	*Rawlins, Wyo.*
Ress, Ruth Laura	LS	*Hartford, Conn.*
Rhodes, Katherine Ellen	Mu	*Estherville, Iowa*
Rice, Donald Leroy	Mu	*Whitehall*
Rice, Gerald Joseph	LS	*Milwaukee*
Richardson, Ruth (SE)	AAAdSp	*Paterson, N. J.*
Richmond, Jessie June (SE)	AA	*Lodi*
Riddell, Martha	LS	*Rock Island, Ill.*
Riddle, Jack C.	LS	*Clear Lake, Ind.*
Riley, George Frederick	LS	*Athena*
Riley, Roderick Hamilton	LS	*Madison*
Riley, Vera Etta (SE)	PhysEd	*Belleville, Pa.*
Riley, Vivian Francis	LS	*Madison*
Ringe, Elmer Martin	LS	*Milwaukee*
Ripp, Esther Kathryn	LS	*Madison*
Ristad, Robert Nicholas	LS	*Manitowoc*
Ritter, Reginald Paul	LS	*Milwaukee*
Robbe, Harvey Millard	LS	*La Crosse*
Roberts, Chester Richmond	LS	*Lake Mills*
Roberts, Melva Frances	LS	*Fennimore*
Robertson, Donald	LS	*Madison*
Robertson, Phyllis Spotswood	LS	*Janesville*
Robinson, Francis	ChCC	*Madison*
Robinson, Shirley Frances (SE)	Mu	*Union Center*
Robinson, William John	LS	*Washburn*

Roby, Clark Dearborn	LS	*Milwaukee*
Roden, Mary Lydia	LS	*Madison*
Roemer, Edward Pier	Pre-Med	*Fond du Lac*
Roenius, Karl E.	LS	*Wisconsin Rapids*
Roensch, Ralph Frank	Pre-Med	*Milwaukee*
Rogers, Edward Robyn	LS	*Dodgeville*
Rohrer, Roslyn Romulus	LS	*Alma*
Roman, Bernard	LS	*Chicago, Ill.*
Roman, Saul Gordon	LS	*Chicago, Ill.*
Rome, Raymond Lester	GenC	*Chicago, Ill.*
Root, Lee Ellsworth	GenC	*Madison*
Rosen, Gertrude	GenC	*Chicago, Ill.*
Rosenheimer, Florence Catherine	CH	*Kewaskum*
Rossmaessler, Edwin Otto	LS	*Madison*
Roth, Sol	LS	*Beloit*
Rothe, Lloyd Bertrand	ChCC	*Madison*
Rothermel, Kenneth Livingston	LS	*Kenosha*
Rowan, Dorothy Melrose (SE)	AA	*Clinton, Iowa*
Rowan, Elizabeth	LS	*Clinton, Iowa*
Ruddick, Robert Merrill	LS	*Pewaukee*
Ruez, Paul Nelson	GenC	*Milwaukee*
Rumsey, Helen Bartlett	LS	*Duluth, Minn.*
Rusch, Harry Arthur (SE)	PhysEd	*Merrill*
Ruskanoff, Camille Ann	GenC	*Madison*
Ruskin, Louis	LS	*Madison*
Russell, Kenneth Melville	LS	*La Crosse*
St. John, Earl Elvin	LS	*Oshkosh*
Sachs, Jack L.	Pre-Med	*Chicago, Ill.*
Sadler, Lloyd Stanley	ChCC	*Janesville*
Saecker, Doris Laura	Mu	*Lake Mills*
Salinsky, Bennie Edward	LS	*Sheboygan*
Sames, Albert Ayres	LS	*Virginia, Minn.*
Samuels, Jules	GenC	*Chicago, Ill.*
Sanborn, Mary Whitney	LS	*Madison*
Sander, Dorothea Mabel	LS	*Madison*
Sanders, David Edwin	LS	*El Paso, Texas*
Sarfatty, Isaac Joshua	LSAdSp	*Milwaukee*
Sarles, Kenneth E.	GenC	*Madison*
Savage, Lois Caroline	LS	*Storrs, Conn.*
Savery, Eleanor Irving	CH	*Chicago, Ill.*
Sawyer, Leah Marie	LS	*Hartford*
Sawyer, Ruth Josephine	LS	*Hartford*
Sawyier, Thomas Carlyle (SE)	GenC	*Evanston, Ill.*
Say, Blanche	LS	*Madison*
Schaaf, Joseph George	LS	*Milwaukee*
Schaeffer, Albert Charles	GenC	*Belvidere, Ill.*
Schafer, Sidney	LS	*Madison*
Schanke, Glenn Arnold	Pre-Med	*Kendall*
Schatz, Edna	Mu	*Platteville*
Schee, Eric	Mu	*Westby*
Scheel, Ruth Myrtle	LS	*Burlington*
Schempf, Edward George	GenC	*Watertown*
Schempf, Foster John	GenC	*Watertown*
Schermerhorn, Paul Herbert	PhIV	*Madison*
Schiesser, Melchior	Pre-Med	*New Glarus*
Schilling, Alice Marylin	LS	*La Crosse*
Schilling, Robert Wayne	LS	*La Crosse*
Schlaak, Melvin Villiger	LS	*Madison*
Schleife, Melvin Emil	LS	*Phillips*
Schloesser, Sharland Barbara	LS	*Lancaster*
Schloss, Leonard Sigmund	LS	*Indianapolis, Ind.*

Schmelzer, Stewart Frank	LS	*Madison*
Schmidt, Catherine Ann	LS	*Wausau*
Schmidt, Franklin James White	LS	*Stanley*
Schmidt, Grace Elizabeth	LS	*Webster Groves, Mo.*
Schmitt, Dorothea Mae	LS	*Milwaukee*
Schmitz, William Adam	Pre-Med	*Waunakee*
Schneider, Helen Grace	LS	*Madison*
Schoeffling, Jeness Victoria	LS	*Milwaukee*
Schoen, Armund Joseph	LS	*Chicago, Ill.*
Schoen, Henry Paul	PhIII	*La Crosse*
Schoenfeld, Edwin Martin	ChCC	*Plymouth*
Schoenfield, Catherine Emma	LS	*Madison*
Schram, Leonard	LS	*Chicago, Ill.*
Schroeder, Charles Morrison	Pre-Med	*Racine*
Schroeder, John Knosker	Pre-Med	*Oshkosh*
Schubert, Ervin Herman	LS	*Milwaukee*
Schuchardt, Charlotte Rosalie (SE)	PhysEd	*Milwaukee*
Schuette, Lloyd Clark	LS	*Green Bay*
Schuette, Paul August Jr.	LS	*Manitowoc*
Schultz, Edith Louise	LS	*Chicago, Ill*
Schulze, Nouman Ernest	GenC	*La Crosse*
Schutter, Nancy C.	LS	*Memphis, Tenn.*
Schwake, Aloysius William	PhIII	*Two Rivers*
Schwartz, Charles	ChC	*Milwaukee*
Schwartz, Harriet Marie	GrN	*Vincennes, Ind.*
Schwartz, Simon M.	LS	*New York, N. Y.*
Schwingel, Lucille Marie	LS	*Madison*
Schwingle, Florence Catherine	LS	*Muscoda*
Seamonson, Burgess Ingvald	LS	*Stoughton*
Secker, Girard Bacon	LS	*Detroit, Mich.*
Seefeld, George Herbert	LS	*Milwaukee*
Seielstad, Earl Erven	LS	*Detroit, Mich.*
Seifert, Hazel Leone	Mu	*Madison*
Selmer, Arleen Ellen	GrN	*Green Bay*
Seno, Elvira C.	LS	*Burlington*
Severson, Jens	LS	*Nelson*
Severson, Oscar	LS	*Nelson*
Shabart, Elmer Joseph	Pre-Med	*Milwaukee*
Shafarman, Mrs. Blanche Blum (SE)	PhysEd	*Jersey City, N. J.*
Shafarman, Eugene Maurice (SE)	PhysEd	*New York City*
Shapiro, George	LS	*Madison*
Shapiro, Sifra Hazel	LS	*Milwaukee*
Sharpe, Esther Jessie	LS	*Verona*
Shaver, Virginia Laurel	LS	*Racine*
Shebesta, Raymond J.	LS	*Cato*
Sheehan, William Clifford	Pre-Med	*Wausau*
Sheldon, Emily Brewster	LS	*Milwaukee*
Shelesnyak, Moses Chiam	LS	*Milwaukee*
Sherwood, Ione	GrN	*Green Lake*
Shomaker, Laurence	GenC	*Herrin, Ill.*
Shultheis, Helen A.	LS	*Evansville*
Shutkin, Dorothy Marguerite	LS	*Milwaukee*
Sideman, Selma	LS	*Chicago, Ill.*
Siebenlist, Anita Kathryn	LS	*Milwaukee*
Siegel, Lee Edward	Pre-Med	*Milwaukee*
Siegel, Maurice Borah	Pre-Med	*Milwaukee*
Sieverkropp, Gladys Katherine	LS	*Racine*
Sike, Joe Nevilee	LS	*Grayslake, Ill.*
Sikorski, Blanche	LS	*Milwaukee*
Silver, Irene Kathryn	LS	*Racine*
Silver, Marvin	LS	*Milwaukee*

Silver, Rosalyne Jacqueline	GenC	*Racine*
Silver, Roselyn Marie	GenC	*Racine*
Silverthorne, John Hellyer	LS	*Riverside, Ill.*
Simonson, Lloyd Marlow	Pre-Med	*Deerfield*
Sinaiko, Esther	Mu	*Madison*
Sinaiko, Rose Minerva	LS	*Madison*
Sinar, Maxine	LS	*Milwaukee*
Singer, Esther M. (SE)	PhysEd	*Sheldan, Iowa*
Sisson, Leitha Margaret	LS	*Madison*
Skow, George Dominico	Pre-Med	*Racine*
Slette, Alf Leonard	Pre-Med	Blair
Slightam, Richard Canfield	LS	*Madison*
Small, Bonnie Blanche	CH	*Madison*
Smalley, Phil G.	LS	*Manitowoc*
Smedal, Harold	Pre-Med	*La Crosse*
Smedal, Signe Olava	GrN	*McFarland*
Smith, Bernard J.	LS	*Brodhead*
Smith, Bernice Hutchinson	GrN	*Oshkosh*
Smith, Dorothy Annette	LS	*Burlington*
Smith, Dorothy C.	LS	*Mauston*
Smith, Grace Melinda	LS	*Montfort*
Smith, Guerdon Franck	LS	*Peoria, Ill.*
Smith, J. Faye	LS	*Hiland, Wyoming*
Smith, Janet Elizabeth (SE)	AA	*Wauwatosa*
Smith, Janet La Verne	LS	*Chicago, Ill.*
Smith, Janet MacDonald	LS	*Madison*
Smith, Leslie John	LS	*De Pere*
Smith, Lewis Fitzwater	GenC	*Prospect, Ohio*
Smith, Louise Pond	LS	*Greenville, Miss.*
Smith, Nellie Gibbons	LS	*Madison*
Smith, Richard Paul (SE)	PhysEd	*Combined Locks*
Smith, Royetta McClean	LS	*Madison*
Smith, Stewart Warland	LS	*Tomahawk*
Smyers, Norma Irene	LS	*Butler, Pa.*
Sober, Lily (SE)	AA	*Brooklyn, N. Y.*
Sollie, Harold George	Pre-Med	*Ashland*
Solmes, Elsie Janet (SE)	AA	*Madison*
Somerville, Robert Riddle	LS	*Toledo, Ohio*
Sommerfield, Harry	LS	*Chicago, Ill.*
Sonin, Josephine	LS	*Kansas City, Mo.*
Sontag, Jean Helene	LS	*Neillsville*
Sorge, Raleigh Clark	GenC	*Reedsburg*
Sorkin, Leya	CH	*Livingston Manor, N. Y.*
Sowicky, William Louis	PhIII	*Racine*
Spaeni, Henry Herbert (SE)	PhysEd	*Monroe*
Spangenberg, William George	Pre-Med	*Dodgeville*
Spencer, Arnold John	LS	*Madison*
Sperling, Jerome William	LS	*Sheboygan*
Sperry, Maxine Eleanor	LS	*Owatonna, Minn.*
Spiesberger, Myrtle (SE)	AA	*Chicago, Ill.*
Spindler, Evelyn Bream (SE)	PhysEd	*Canton, Ohio*
Spitzer, Harold Berger	LS	*Milwaukee*
Spitzer, Sol	LS	*Milwaukee*
Spoentgen, Hugo C.	LS	*Madison*
Squier, John Reynolds	LS	*Wauwatosa*
Stamper, Harlan	LS	*Crandon*
Stanford, Charles E.	Pre-Med	*Madison*
Starstead, Ezelyn Marjorie	LS	*Superior*
Stauber, Gladys Edna	LS	*Milwaukee*
Stavrum, Thomas James	LS	*Chicago, Ill.*
Stearns, Virginia Hart	LS	*Kalamazoo, Mich.*

Stebbins, Eugenia Douglas	LS	*Madison*
Stecher, Elsa Elizabeth	LS	*Milwaukee*
Stedman, Horace Lougee	Pre-Med	*Sturgeon Bay*
Steenis, John Holt	GenC	*Madison*
Steffen, Arthur Herman	GenC	*Madison*
Steig, Enid Hildegarde	LS	*Whitehall*
Stein, James A.	Pre-Med	*Eveleth, Minn.*
Steinfeld, Isabel Caroline	LS	*St. Louis, Mo.*
Stephens, Arthur Robinson	LS	*Madison*
Stern, Max J.	LS	*Milwaukee*
Steuber, William Floyd	GenC	*Madison*
Steven, William Pickford	LS	*Eau Claire*
Stevens, Ralph Willard	Pre-Med	*Madison*
Stevenson, Homer Frank	LS	*Oak Park, Ill.*
Stiles, Maxine	LS	*Milwaukee*
Stocking, Lois Wahler	LS	*St. Louis, Mo.*
Stokes, Ethel Francis	LS	*Waterloo*
Stone, Charles Gustin	LS	*Freeport, Ill.*
Stone, Thomas S.	LS	*Reedsburg*
Storck, Herbert Philip	LS	*Madison*
Storer, Mary Catherine	LS	*Sterling, Ill.*
Stotts, William Jerome	GenC	*Appleton, Minn.*
Strand, Francis Raymond	LS	*Iola*
Strassburger, J. Robert	LS	*Sheboygan*
Straubel, James Westby	LS	*Green Bay*
Streich, Phillip	LS	*Oshkosh*
Stuessy, Varena Amelia	LS	*New Glarus*
Suby, Howard Ingram	Pre-Med	*Stoughton*
Sullivan, Margaret Ellen	LS	*Delavan*
Summ, Helmut (SE)	AA	*Kohler*
Sutherland, Jean Menzies	LS	*Janesville*
Svenson, George Myron	LS	*Fond du Lac*
Swanson, John P.	LS	*Milwaukee*
Swanson, Maribea	LS	*Des Moines, Iowa*
Swanson, Vernon Andrew	LS	*Rhinelander*
Swartz, John	ChCC	*Freeport, Ill.*
Sweet, Harry	LS	*Madison*
Sweet, Sam James	Pre-Med	*Milwaukee*
Swensen, Florence M.	LS	*Madison*
Swenson, Elizabeth Smith	AA	*Madison*
Swenson, Leota Jessie	LS	*Racine*
Swenson, Selmer Gerhard	Pre-Med	*Ettrick*
Swerdloff, Dorothy	GenC	*Madison*
Swiderski, Edward (SE)	PhysEd	*New Duluth, Minn.*
Swiderski, Joseph Bernard	LS	*Milwaukee*
Tanck, Ramond H.	LS	*Beresford, S. Dak.*
Tanner, Howard Joseph	GenC	*Berlin*
Taplin, Ann Louise	LS	*Milwaukee*
Tax, Sol	GenC	*Milwaukee*
Taylor, Frances Kathryn	Mu	*Palmyra, Mo.*
Taylor, Fred Lowell	ChC	*Belmont*
Taylor, Richard Peables	LS	*Wausau*
Tennant, Jeanne Louise	LS	*Fond du Lac*
Tenny, Allen Johnson	LS	*Chargin Falls, Ohio*
Terry, Melvin C.	LS	*Madison*
Tesar, Franklin Otto	LS	*Prairie du Chien*
Teska, Joseph James (SE)	IndEd	*Chicago, Ill.*
Thacher, George Bertram	LS	*Zenda*
Thel, Gertrude Helen	LS	*Aliquippa, Pa.*
Thiele, William Frederick (SE)	PhysEd	*Fort Wayne, Ind.*
Thompson, Allan Edward	GenC	*Elroy*

Thompson, Forest V.	Pre-Med	*Mount Horeb*
Thompson, Harold L.	ChCC	*Baraboo*
Thompson, Herbert Merrill	LS	*Wausau*
Thompson, John Miles	LS	*Crandon*
Thompson, McClure Alfred	GenC	*Madison*
Thomsen, Arthur John (SE)	PhysEd	*Milwaukee*
Thronson, Sidney Julian	LS	*Edgerton*
Tietjens, Janet	LS	*Chicago, Ill.*
Timm, Harvey William	LS	*Milwaukee*
Todd, Willetta (SE)	PhysEd	*Trenton, Mo.*
Tollefson, Earl Osler	GenC	*Valders*
Tomei, Margaret Therese	LS	*Chicago, Ill.*
Tonkonogy, Sam	Pre-Med	*Milwaukee*
Torkelson, William Edward	GenC	*Madison*
Tormey, Leona Mary	*LS*	*Madison*
Towle, Maxine	LS	*Wausau*
Trachte, Violet Frances	LS	*Madison*
Trapani, Michael Henry	Pre-Med	*Brooklyn, N. Y.*
Trayford, Cyril (SE)	PhysEd	*Chicago, Ill.*
Trenary, Ethel Agatha (SE)	GenC	*Madison*
Trepamer, Alton William	LS	*Marinette*
Tressler, Irving Dart	LS	*Madison*
Tromnow, Paul Locher	LS	*Milwaukee*
Trowbridge, Leroy	LS	*Madison*
Trumbull, John Webster	LS	*Racine*
Tschan, Margaritha Elizabeth	GrN	*Oconomowoc*
Tschan, Rose Martha	GrN	*Oconomowoc*
Tupper, Mabel Eleanor (SE)	LS	*Chargin Falls, Ohio*
Turner, Marion Winifred	Mu	*East Chicago, Ind.*
Tweed, Bernice Adele	LS	*Duluth, Minn.*
Ubbink, Alice Matilda	LS	*Port Washington*
Urabec, John Henry	Pre-Med	*Sheboygan*
Urban, Earl Henry	GenC	*Wauwatosa*
Uretzky, Samuel	Pre-Med	*Milwaukee*
Van Abel, Mabel Ethel	LS	*Madison*
Vander Veer, Adrian Holt	LS	*Madison*
Van Edig, Antoinette Barbara	LS	*Middleton*
Van Epps, Vera Frances	LS	*Williams Bay*
Van Tassel, Gerald E.	LS	*Whitehall*
Van Winter, Guy Dennis	ChCC	*Madison*
Verduin, James	GenC	*Milwaukee*
Verhulst, Lucille Hattie (SE)	PhysEd	*Milladore*
Vetter, Herman Beigler	Pre-Med	*Stevens Point*
Vilas, Fred Lavanne	ChCC	*Pierre, S. Dak.*
Vinsgrad, Anita Genevieve	Mu	*Milwaukee*
Vogel, Earl Otto	LS	*Manitowoc*
Voigt, Charles Schreier	LS	*Sheboygan*
Volk, Meyer	LS	*Milwaukee*
Volz, Vivian Virginia	LS	*Arlington Heights, Ill.*
Vradenburg, Beulah Isabelle	LS	*Madison*
Wachsmuth, Evelyn Louise (SE)	LS	*Bayfield*
Waddle, Ruth Aline	LS	*Detroit, Mich.*
Wagner, Dorothea Lydia	CH	*Madison*
Waisman, Benjamin	LS	*Racine*
Waisman, Florence B.	LSAdSp	*Racine*
Walch, John Otto	LS	*Antigo*
Walden, Charles Howard	LS	*Helena, Mont.*
Walker, Jean	LS	*Madison*
Walker, Roland Early	LS	*Hancock*
Wallace, Charlotte Eleanor	Mu	*Chicago Heights, Ill.*
Wallace, Gordon Belder	LS	*Tomah*

Waller, Babette Mina (SE)	GenC	Chicago, Ill.
Wallschlaeger, Rhyda Rena	LS	Coleman
Walper, Eileen Hollis	LS	Toledo, Ohio
Walrath, George Olen	PhIII	Iola
Walrond, Eric Derwent	LS	Brooklyn, N. Y.
Walsh, Edith Mary	LS	Milwaukee
Walters, Gladys Dean	LS	Rochester, N. Y.
Wamnes, Anita Borghild	LS	Burlington
Ward, William Whitney	LS	Tomah
Warner, Josh Jones	LS	Chattanooga, Tenn.
Warren, Ebert Osborne	LS	Akron, Ohio
Waser, Lillian Marie	LS	Gary, Ind.
Wasson, Katherine W. (SE)	PhysEd	Duluth Minn.
Watrous, Norma Edith	LS	Lake Bluff, Ill.
Watson, William Cunningham Jr.	LS	Chattanooga, Tenn.
Weaver, Wilhelmine Claire	LS	Turnerville, Ont., Can.
Webb, Andrew Norris	LS	Madison
Webber, Lenora Elizabeth (SE)	PhysEd	Gary, Ind.
Weber, Carol Morey	Mu	Salamanca, N. Y.
Weber, Raymond Lloyd	LS	Sturgeon Bay
Webster, LaVerne John	Pre-Med	Antigo
Wedlake, James Russell	LS	Dodgeville
Weed, Isabelle Gifford	LS	Chicago, Ill.
Week, Dorothy Grace (SE)	AA	Wausau
Wehle, Dorothea Massiah	LS	West Bend
Weinhagen, Frances	LS	Milwaukee
Weiss, Mercedes Virginia (SE)	PhysEd	Milwaukee
Weiss, Raymond J.	LS	Slinger
Welter, Anne Margaret	LS	Streator, Ill.
Wenck, Peter Rudolf	ChC	Milwaukee
Werblow, Felix Ernst	LS	Juneau
Werner, Francis Elton	ChCC	Pittsville
Wernig, Betty Frances	LS	Madison
Wetzel, Walton Ernest	LS	Jefferson
Wheeler, Dorothy Field	ChC	Racine
Whitaker, Philip Allan	ChC	Racine
White, Harry Edward	LS	Marinette
White, John Joseph	LS	Beardstown, Ill.
White, Susan Leroy	LS	Vermillion, S. Dak.
Wiepking, Estelle	LS	Milwaukee
Wiesner, Theodora Hildegarde (SE)	PhysEd	Superior
Wigdale, Norman Beach	LS	Wauwatosa
Wigen, Luella Roschek	LS	Manitowoc
Wiggins, Kenneth Raymond	LS	Appleton
Wilcox, Franklin Clinton	LS	Janesville
Wilcox, Katherine Dorothy (SE)	AA	Janesville
Wilcox, Jack Henry (SE)	GenC	Milwaukee
Wilcox, Marguerite Statira	GenC	Vienna, Va.
Wild, Joseph	Pre-Med	Milwaukee
Wilder, Kathryn Edna	GrN	Madison
Wilke, Melvin John	LS	Milwaukee
Wilkinson, Helen Jean	LS	Wauwatosa
Will, Helen Elizabeth	LS	Wausau
Williams, Charles Welton	Pre-Med	Sparta
Williams, Eleanor Tyng	LS	Oshkosh
Williams, Ernest Bernard	ChCC	Chicago, Ill.
Williams, Gilbert Dunbar	GenC	Milwaukee
Williams, Joyce Beatrice	LS	Madison
Williams, Kenneth Joseph	LS	Milwaukee
Williams, Leland	LS	Juda
Williams, Ruth Jeanette	LS	Cambria

Williamson, Donald Alexander	GenC	*Mount Carroll, Ill.*
Williamson, Robert Gordon	Pre-Med	*Madison*
Willis, Charles Kenneth	GenC	*Ashland*
Willis, Minette June	LS	*Milwaukee*
Wilson, Hollis Everett (SE)	AA	*Ephraim*
Wilson, Leonard Richard	GenC	*Superior*
Wilson, Lewis Garrard	LS	*Menomonie*
Wilson, Marion Josephine	LS	*Fort Atkinson*
Winding, Charles Arthur	GenC	*Milwaukee*
Winer, Morris	LS	*Chicago, Ill.*
Winn, Wallace Samuel	Pre-Med	*Madison*
Winter, Jack Alfred	LS	*Milwaukee*
Withy, Marion Harker (SE)	AA	*Madison*
Wittwer, Ernestine Marie (SE)	AA	*Madison*
Wolf, Fred Herman	LS	*La Crosse*
Wolf, George P.	LS	*Chicago, Ill.*
Wolf, Grace Marie		*New Lanark, Ill.*
Wolfe, Alice Mae (SE)	AA	*Madison*
Wolfe, Estella Alvina	GenC	*Merrimack*
Wollaeger, Irene Louise	LS	*Milwaukee*
Wood, Catherine Elizabeth	LS	*Chicago, Ill.*
Wood, Theodore Wheelock (SE)	PhysEd	*Chatham, N. Y.*
Woodle, Royletta Aileen	GrN	*Monroe*
Woodward, Charles Lawson (SE)	AA	*Cincinnati, Ohio*
Woodward, Robert Latham	GenC	*Fort Dodge, Iowa*
Wright, Paul Randall	LS	*Highland Park, Ill.*
Wuerzberger, Florence Josephine	LS	*Racine*
Yonker, Isabel Marie	LS	*Madison*
Young, Anne Elizabeth	LS	*Omaha, Nebr.*
Young, Annette	LS	*Geneseo, Ill.*
Young, Beth	LS	*Springfield, Ill.*
Young, Jeanette Amanda	ChC	*Racine*
Young, Ruth Amy	LS	*Edgerton*
Youngman, Lee Comstock	Pre-Med	*Cumberland*
Yule, Gordon Benjamin	LS	*Kenosha*
Zemurray, Doris	LS	*New Orleans, La.*
Zentner, Wilbur Ralph	LS	*White Creek*
Zeran, Franklin Royalton	LS	*Manitowoc*
Zerwick, Otto Augustine	GenC	*Madison*
Ziemann, Howard Otto	LS	*La Crosse*
Ziese, Edgar August	LS	*Milwaukee*
Zimmerman, Amy	LS	*Chicago, Ill.*
Zimmerman, Doris Adele	LS	*Hartford*
Zinn, Charline Elizabeth	LS	*East Troy*
Zoesch, Delbert Herman (SE)	PhysEd	*Butternut*
Zox, Maurice	Pre-Med	*Peoria, Ill.*
Zubatsky, David Jacob	Pre-Med	*Milwaukee*
Zuehlke, Ora A. (SE)	PhysEd	*Appleton*
Zweifel, Mildred Nellie	LS	*Monticello*
Zwettler, Wilbert Francis	LS	*Mount Horeb*

FRESHMEN

Aaberg, Edgar Lindeman	Pre-Med	*Greenwood*
Aaron, Ruth	LS	*Chicago, Ill.*
Abrams, Charles George (SE)	PhysEd	*Gary, Ind.*
Abrams, Clarice Ann	PhIII	*Calumet, Mich.*
Acheson, Edwin G.	Pre-Med	*Genesee*
Ackley, George Clark	LS	*Beloit*
Ackley, Milford Meagher	LS	*Chippewa Falls*

Ackman, Harvey Louis	LS	*Union, Ill.*
Adams, John Quincy	Pre-Med	*Marion*
Adamson, Charles William (SE)	PhysEd	*Wauwatosa*
Adrians, Wilbert A.	Pre-Med	*Green Bay*
Ahlrich, William	LS	*Brooklyn, N. Y.*
Airis, Frederick A. (SE)	AA	*Eau Claire*
Alberth, Marjorie Lucille	LS	*Walworth*
Alderson, Philo Leonard	LS	*Madison*
Allan, William Wassow	ExpC	*Odell, Ill.*
Allen, James Donald	LS	*Oak Park, Ill.*
Allin, Robin Nail	Pre-Med	*Madison*
Allman, Robert Frank	LS	*Madison*
Alschuler, Charles Frank	LS	*Madison*
Alstad, Edgar Martain	LS	*Milwaukee*
Altman, Charles William	ChC	*Two Rivers*
Altschul, Carl Lee	LS	*Fort Wayne, Ind.*
Amunson, Ulysses Schuyler	Pre-Med	*Mondovi*
Anderberg, Stella Margaret (SE)	AA	*Madison*
Anderson, Alwin Arthur	PhIII	*Madison*
Anderson, Bryant Brooks	Pre-Med	*Brooklyn*
Anderson, Elsie Virginia	LS	*Evanston, Ill.*
Anderson, Geraldine Adeline	LS	*Madison*
Anderson, Herbert Arthur	GenC	*Granite Heights*
Anderson, Lester Olaus (SE)	PhysEd	*Clayton*
Anderson, Lyle Clarke	LS	*Madison*
Anderson, Oswald Benjamin	LS	*Clinton*
Anderson, Victor Clarence (SE)	LS	*Marinette*
Anderson, Willard Clarence	PhysEd	*Stambaugh, Mich.*
Andreassen, Johan Christian Ludwig	LS	*Menomonie*
Andrews, Edward Arnold	LS	*Milwaukee*
Andrews, Ralph Edmond	LS	*Bloomer*
Annen, Margaret Hattie (SE)	LS	*Madison*
Ansfield, Fred Jaseph	Pre-Med	*Milwaukee*
Aranin, Hyman	LS	*Mayville*
Archie, eJssie Mae	LS	*Waterloo*
Archie, Monie Bernadine	Mu	*Waterloo*
Arliskas, William Vincent	LS	*Kenosha*
Ashworth, Louise Estelle	LS	*Milwaukee*
Atwood, Dorothy Soverhill	LS	*Janesville*
Auby, Bertha Elizabeth	LS	*Deerfield*
Augustine, Dorothy Marie (SE)	LS	*Sturgeon Bay*
Aynardi, Aurelius F.	ExpC	*Woodlawn, Pa.*
Ayres, Paul Richard (SE)	AA	*Jump River*
Babington, Robert John (SE)	PhysEd	*Prairie du Sac*
Bach, Frederic Charles	LS	*Algoma*
Back, John Gunnar	LS	*Escanaba, Mich.*
Backus, Walter A. H.	LS	*Milwaukee*
Backus, William Irving	LS	*Madison*
Baebler, Elizabeth Kathryn	LS	*Monticello*
Baehr, Clara B.	LS	*Abbotsford*
Baillies, Elizabeth Mary	Mu	*Minocqua*
Bain, Marian Isabelle	LS	*Gary, Ind.*
Baker, Byron Howard	LS	*Oconomowoc*
Baker, Forrest Don	LS	*Tulsa, Okla.*
Baker, Mary Blanchard Clewly	GrN	*Madison*
Ball, Esther Louise	LS	*Rhinelander*
Ballentine, Alice Gail	LS	*Bloomington*
Ballou, Ray Allen	LS	*Hinsdale, Ill.*
Bambace, Racco George	LS	*Utica, New York*
Bammel, Harold Frederick	LS	*Fort Atkinson*
Bangert, Orville Martin	PhIII	*Chicago, Ill.*

Banks, Ella Doris	LS	*Newburgh, N. Y.*
Bannen, James Thomas	LS	*Milwaukee*
Barber, Joseph Manford	GenC	*Pleasanton, Texas*
Barden, Horace George	LS	*Kenosha*
Bardes, Albert George	ExpC	*Flushing, N. Y.*
Barker, Polly Hurd	LS	*Winnetka, Ill.*
Barlass, William Harold	LS	*Janesville*
Barlow, Curtis Hull	Pre-Med	*Sparta*
Barlow, Meredith	PhIV	*Madison*
Barnes, Gene	LS	*Racine*
Barnett, Gladys Constance	LS	*Chicago, Ill.*
Barnett, Thomas J.	LS	*Chicago, Ill.*
Barnum, Frank Grant	LS	*Barnum*
Barr, Joseph Beauford (SE)	PhysEd	*Glasgow, Mont.*
Barron, Magdalyn Josephine (SE)	AA	*Eau Claire*
Barry, Lucille Mary	LS	*Madison*
Barsness, Wendall Ruby (SE)	AA	*Madison*
Bartholomew, Kenneth Raymond	Pre-Med	*Dayton, Ohio*
Basche, Orl Fairchild	LS	*Green Bay*
Bass, Emmett Harold (SE)	PhysEd	*Indiapanolis, Ind.*
Batcheller, Clarence Merrill	Pre-Med	*Madison*
Batty, Meredyth Hazel (SE)	AA	*Madison*
Baum, Amy Evelyn	LS	*Janesville*
Baumgarten, Reva May	LS	*Elroy*
Baumgartner, Archie James	ChC	*Adams*
Baxter, Eloy Thomas	GenC	*Cuba City*
Beadle, Edward Sherman	ExpC	*Glastonbury, Conn.*
Beagle, Ellsworth Elmer (SE)	PhysEd	*La Porte, Ind.*
Beaman, Joseph Burton	LS	*Crafton, Pa.*
Beck, Elmer	LS	*Milwaukee*
Beck, Mary Frances	LS	*Madison*
Beck, Joseph Harrison	LS	*New York City*
Becker, Izola Beryl	LS	*Rhinelander*
Beckman, Ruth Louise	LS	*Indianapolis, Ind.*
Beckmire, Louis Edward	LS	*Freeport, Ill.*
Beecher, Gilbert	LS	*Kenosha*
Beery, Sam Nelson (SE)	AA	*Madison*
Beetham, Helen Iona	LS	*Lancaster*
Begel, Ben Barrie	LS	*Milwaukee*
Behnke, Henry Herman	LS	*Marinette*
Behr, Samuel	ExpC	*Rockford, Ill.*
Behrens, Elizabeth Clementine	LS	*Chicago, Ill.*
Belanger, Dorothy Margaret	LS	*Wausau*
Belk, Miriam Clarice	LS	*Bismarck, N. Dak.*
Bell, Anne Ellen	LS	*Madison*
Bell, Charles Edwin	LS	*Tomah*
Bell, Edwin James Jr.	LS	*Oshkosh*
Bell, Gordon Otto	LS	*Sparta*
Bell, Mrs. Louise Couch	LS	*Lynchburg, Va.*
Below, Marion Marjorie	LS	*Antigo*
Bendel, Marie Emma	LS	*Madison*
Bender, Bernard Budd (SE)	PhysEd	*Richland Center*
Benn, David Henry	ExpC	*Richmond, Ind.*
Bennett, Bernard Jasper	LS	*Chippewa Falls*
Bennett, Francis Moffat	LS	*University City, Mo.*
Bennett, Vernon Fred	LS	*Milwaukee*
Bennett, William Moffat	LS	*University City, Mo.*
Benseman, George William (SE)	PhysEd	*Middleton*
Bensen, Margrette Marie	LS	*Delavan*
Bentley, Alice Irene	LS	*Madison*
Benton, William Theodore	LS	*Sparta*

Berg, George Raymond (SE)	PhysEd	*Madison*
Berg, Ida Vivian	LS	*Milwaukee*
Berger, Adele Agnes	LS	*Chicago, Ill.*
Bergstrom, Leonard Victor	Pre-Med	*Port Wing*
Berman, Ethel	LS	*Boston, Mass.*
Berman, Nathan	ExpC	*New York, N. Y.*
Bernbaum, Maurice M.	LS	*Chicago, Ill.*
Berner, Harvey Rasch	PhIV	*Antigo*
Berner, Theodore Roland	LS	*Sea Gate, N. Y.*
Bernstein, Jerome Joseph	LS	*Niagara Falls, N. Y.*
Berry, Lois Fern (SE)	PhysEd	*Toledo, Ohio*
Bertch, George Carl	Pre-Med	*Coleman*
Berto, George Craig	LS	*Hartland*
Bery, Herbert Abner	Pre-Med	*Chicago, Ill.*
Bessman, Leonard Marion	LS	*Milwaukee*
Best, Chester James	GenC	*Madison*
Biberfeld, Dorothy	LS	*Gary, Ind.*
Bickel, Edward Marion	LS	*Fennimore*
Bickel, Florence Albertine	LS	*Reeseville*
Bickley, John Wallace	Pre-Med	*Waterloo, Ia.*
Biehn, Ralph Henry	Pre-Med	*Milwaukee*
Biehn, Roy Curtiss	ChC	*Milwaukee*
Bier, John Henry	LS	*Madison*
Biggin, Thomas Metcalfe	LS	*Cassville*
Billings, Elizabeth Bernice	Mu	*Madison*
Bills, George Edward	LS	*Oshkosh*
Bills, Henry Newman Jr.	CC	*Milwaukee*
Bimel, Caroline Mable	LS	*LaValle*
Bindley, William Franklin	ExpC	*Terre Haute, Ind.*
Binkert, Alvin John	LS	*Fort Atkinson*
Binstock, Abe Mohr	LS	*Denver, Colo.*
Birkenmeyer, Carl Bruce	LS	*Tomah*
Bisno, Kenneth Stuart	LS	*Kenosha*
Bittmann, Mary Florence	LS	*Madison*
Bjork, Carl Emil	Pre-Med	*Phillips*
Black, Harold Herbert	LS	*Sioux City, Iowa*
Blackbourn, Celestine Letticia	Mu	*Lancaster*
Blackbourne, Rosamond	LS	*Brodhead*
Blackwell, Betty Bartine	LS	*Omaha, Nebr.*
Blair, Carroll William	ExpC	*Red Granite*
Blakely, Luella Belle	GrN	*Fond du Lac*
Blank, Roland J.	LS	*Oconto*
Blank, Roy Gerald	LS	*Balboa, Canal Zone*
Blaska, Evelyn Genevieve	LS	*Marshall*
Blaul, James Poehler	Pre-Med	*Burlington, Iowa*
Blitstein, Emma R.	LS	*Racine*
Blix, Anna Leonarda	LS	*Turtle Lake*
Block, Sylvia Frances	LS	*Chicago, Ill.*
Blodgett, Arnold Mereness (SE)	PhysEd	*Delavan*
Bloodgood, Hugh McLlelan	ExpC	*Milwaukee*
Bloomgarten, Ida Minnie	LS	*Kansas City, Kans.*
Blum, Dora Elizabeth	GrN	*Monroe*
Blumberg, Lillian Eileen	LS	*Waukegan, Ill.*
Blumer, Paul Fred	LS	*Monticello*
Blundell, Blanche Elizabeth	LS	*Omaha, Nebr.*
Bodoh, Lawrence Lambert	Pre-Med	*Shiocton*
Boelk, John Paul	LS	*Warren, Ill.*
Boesel, John Philip	ExpC	*Milwaukee*
Bogumil, Frank Joseph	LS	*Thorp*
Bohm, Louis Joseph	LS	*Beloit*
Boll, Clayton John (SE)	PhysEd	*Antigo*

Bolton, Alice Marie	LS	*Lakewood, Ohio*
Bonime, Walter Raymond	ExpC	*New York, N. Y.*
Bonk, Armella Lillian	LS	*Chilton*
Booth, Roscoe George	GenC	*Mazomanie*
Borges, Walter Fred	LS	*Milwaukee*
Born, Robert Charles	LS	*Fond du Lac*
Borsuk, Ben	LS	*Madison*
Bosshardt, Irwin Robert	LS	*Sheboygan*
Bower, Virginia Adalyn	LS	*Detroit, Mich.*
Boyce, Idelle Edna	GenC	*Brooklyn*
Boyden, Robert K.	LS	*Madison*
Boyle, Lindsay Redpath	LS	*Marengo, Ill.*
Boyton, Agnes Mae	LS	*Beloit*
Brady, Dorothy Lucille	HygC	*Madison*
Brady, Tullius	ExpC	*Brookhaven, Mass.*
Brand, Charles Adam	PhIII	*Wausau*
Brandt, Arthur Frederick	LS	*River Forest, Ill.*
Brandt, Robert Reardon	LS	*Milwaukee*
Brannum, James Hanford	LS	*Racine*
Bratland, Archie Mendez (SE)	IndEd	*Blair*
Braun, Margaret Marie	LS	*Sheboygan*
Brayshaw, Ellen Wilby	LS	*Peoria, Ill.*
Braze, Alexander	Pre-Med	*Kenosha*
Breitreiter, Grace Elizabeth (SE)	PhysEd	*Neenah*
Brennan, Francis Edwin	ExpC	*Chicago, Ill.*
Brettingen, Adolph Oscar	LS	*Westby*
Breuer, Hubert	LS	*Hartford*
Bridges, James Estes	LS	*Wauwatosa*
Briegel, Kenneth Reinhard	LS	*Lake Geneva*
Briggs, Betty E.	LS	*Madison*
Briggs, Marion Eleanor	LS	*Milwaukee*
Brightman, Frances Elizabeth	LS	*Chicago, Ill.*
Brill, John Robert	LS	*Evansville, Ind.*
Brody, Natalie Ruth	LS	*New York, N. Y.*
Broer, Marjorie Ethel	LS	*Toledo, Ohio*
Brogan, Margaret Catherine	LS	*Green Bay*
Brokaw, Max Pomeray	GenC	*Walnut, Ill.*
Brostram, Maxine Suzanne	LS	*Green Bay*
Broulette, Mildred Alice	LS	*Rhinelander*
Brown, Bernice M.	LS	*Madison*
Brown, George Roxburgh	Pre-Med	*Brooklyn, N. Y.*
Brown, Jack Charles	LS	*Madison*
Brown, Mary Eleanor	LS	*Lancaster, Pa.*
Brown, Richard Lincoln	LS	*Hartland*
Brown, Charles Allen	LS	*Chicago, Ill.*
Bruni, Edwin Karl	LS	*Monroe*
Brunner, Orrin Frederick	LS	*Madison*
Bublitz, David C.	LS	*Antigo*
Bubolz, Gertrude Leone	LS	*Seymour*
Buchanan, Richard Hugh	LS	*Madison*
Buchanan, Roger S.	GenC	*Superior*
Buckingham, Marjorie Frances	CH	*Janesville*
Buelow, Ethel Clarabelle	LS	*Milwaukee*
Bullock, Frank Arthur (SE)	PhysEd	*Lake Geneva*
Burch, Gardner Mitchell	LS	*Madison*
Burchard, Elizabeth Lucinda	LS	*Fort Atkinson*
Burchard, Maxwell	LS	*Chicago, Ill.*
Burden, Oliver Dudley, Jr.	LS	*Syracuse, N. Y.*
Burdick, Irwin Henry	LS	*Milwaukee*
Burdick, Lawrence Theodore	LS	*Edgerton*
Burdick, Ruth	LS	*La Grange, Ill.*

Burdon, Marguerite Marion (SE)	LS	*Green Bay*
Burgenske, Emily Ruth	LS	*Verona*
Burgess, A. Jeannette	LS	*Brooklyn*
Burgess, Thomas Henry	LS	*La Crosse*
Burke, Gerald Emanuel	PhIII	*Casco*
Burke, Robert Henry	GenC	*South Bend, Ind.*
Burkhard, Frances Louise	GrN	*Monroe*
Burnham, Florence Adele	LS	*Winnetka, Ill.*
Burns, Frances Lobdell	LS	*Chicago, Ill.*
Burton, Clarence Joseph	LS	*Rice Lake*
Bush, Margaret Elizabeth	LS	*Evanston, Ill.*
Buss, Gertrude Virginia	LS	*Milwaukee*
Butt, Cyrus Marion	ExpC	*Viroqua*
Butts, R. Freeman Jr.	ExpC	*Springfield, Ill.*
Butz, Alfred Robert	LS	*Milwaukee*
Buyea, Irving Ronald	LS	*Oneida, N. Y.*
Buys, Frederick Walton	ChC	*Syracuse, N. Y.*
Byrge, Homer Norbert	GenC	*Verona*
Byrne, Paul Patrick	Pre-Med	*Pittsburgh, Pa.*
Cable, George Wyatt	LS	*Davenport, Iowa*
Caldow, Kathryn Virginia	LS	*Madison*
Callaway, William Terry	LS	*Chicago, Ill.*
Campbell, Frances Elnora	GenC	*Chicago, Ill.*
Campbell, Robert William	LS	*Salem, Ohio*
Cannon, Jane Louise	LS	*Milwaukee*
Canright, John Raymond	LS	*Madison*
Cantor, Montague	Mu	*New York, N. Y.*
Capener, Lavilla Marie	LS	*Baraboo*
Carey, Raymond Earl	ExpC	*Marathon, Iowa*
Carle, William Louis (SE)	AA	*Park Ridge, Ill.*
Carney, Francis Buffington Joseph	LS	*Chicago, Ill.*
Carpenter, Lyle John	LS	*Belvidere, Ill.*
Carr, Marjorie Jean	LS	*Oak Park, Ill.*
Carroll, Charlotte Jane	LS	*Watertown*
Carter, Jeannette Georgianna	LS	*Chicago, Ill.*
Carter, William Kirkman	LS	*Monticello, Iowa*
Cary, Charles Richard	ChCC	*Racine*
Case, Henrietta Alice	LS	*Racine*
Cash, Isadore	Pre-Med	*Milwaukee*
Cassiday, Paul Henry (SE)	AA	*Rockford, Ill.*
Caulkett, Florin M. (SE)	PhysEd	*Milwaukee*
Caulkett, Floyd Sylvester	LS	*Milwaukee*
Cavaliere, Joseph Francis	Pre-Med	*Brooklyn, N. Y.*
Cavanagh, Annabelle	LS	*Madison*
Chalk, Alfred Abraham	LS	*Syracuse, N. Y.*
Chamberlain, Mary	LS	*Mount Vernon, N. Y.*
Chambers, Day Warren	GenC	*Eau Claire*
Chapman, Eugene Warren	LS	*Lancaster*
Chapman, Gordon Warner	LS	*Tomah*
Chase, Marianne	LS	*New Bedford*
Chidekel, Miriam Betty	LS	*Chicago, Ill.*
Chmielinski, Vladimir Charles	LS	*Chicago, Ill.*
Christensen, Clarence Aller	PhIII	*Racine*
Christenson, Irving Robert	LS	*Rubicon*
Christiansen, Harley Vaughn	LS	*Marshfield*
Cirilli, Armond Francis	LS	*Hurley*
Clark, Frances Mary	GrN	*Janesville*
Clark, Genevieve Ellen	LS	*Tomah*
Clark, Helen Louise	LS	*Des Moines, Iowa*
Clark, Josephine Elizabeth	LS	*La Grange, Ill.*
Clark, Ruth Mae	LS	*Waupun*

Clark, Thelma Belle	LS	*Boscobel*
Clark, Warren Gamble	LS	*Beaver Dam*
Clarke, James Leonard Jr.	GenC	*Madison*
Clausen, Elna Mary	LS	*Horicon*
Clemmer, Letha Gertrude	Mu	*Monroe*
Clikeman, Minor Lamont	LS	*Rockford, Ill.*
Cline, Frances Amelia	LS	*Oak Park, Ill.*
Clough, Charles W.	LS	*Plymouth, Ind.*
Cochran, John Knight	LS	*Brule*
Cochrane, Louise Justen (SE)	AA	*Fond du Lac*
Coff'n, Sybil (SE)	AA	*Phoenix, Ariz.*
Coffman, Gerald Douglas	GenC	*Madison*
Cohen, Lilian Renee	LS	*Milwaukee*
Cohn, Allan Loeb	LS	*Madison*
Cohn, Janet Ragin	LS	*Milwaukee*
Cole, Norman Leigh	LS	*Tipler*
Cole, Onalee Rhoda	LS	*Rio*
Colletti, Vincent	LS	*Madison*
Collins, John William	LS	*Fond du Lac*
Colosimo, Constance Marie	LS	*Hurley*
Comfort, George O.	LS	*Pestigo*
Commons, Esther Jean	AA	*Richmond, Ind.*
Conerus, Teona Catharyn	Mu	*Reedsburg*
Conlin, George Dominic	LS	*Madison*
Connolly, Carter David	ExpC	*Rockford, Ill.*
Cooper, Leland Roger	LS	*Merrimac*
Conrad, Edward Thomas	LS	*Antigo*
Considine, Raymond Francis	Pre-Med	*Gary, Ind.*
Consigny, John Porter	Pre-Med	*Oconomowoc*
Constance, Bradford Bryan	LS	*Waupaca*
Conway, John Edward	LS	*Watertown*
Conway, Robert Luft	Pre-Med	*Wisconsin Rapids*
Cook, Warren Foster	ExpC	*Brooklyn, N. Y.*
Cooley, Elliot Willis	LS	*Wauwatosa*
Cooper, Paul Lemen	LS	*Madison*
Copeland, Evelyne	LS	*Chicago, Ill.*
Corliss, Irma Jeanne	LS	*East Orange, N. J.*
Cormany ,Kenneth Mackey	LS	*Beloit*
Costello, James Martin	LS	*Janesville*
Coughlin, Genevieve Cecelia	LS	*Madison*
Couillard, Victor Timothy	Pre-Med	*Oconto*
Coulson, Mary Catherine	PhIV	*Madison*
Coulson, Mrs. Mona Hickman	PhIV	*Madison*
Coulter, Merrild Worsfold	LS	*Grand Haven, Mich.*
Coy, Kathryn	LS	*Idaho Falls, Idaho*
Coyle, Francis Vincent	ExpC	*New Haven, Conn.*
Craig, Donald Chilton	LS	*Chicago, Ill.*
Crandall, Bradford Blanchard	ExpC	*Storrs, Conn.*
Crawford, DeLisle	ExpC	*Oak Park, Ill.*
Crawshaw, Frederick Story	LS	*Peoria, Ill.*
Cressy, Duane	GenC	*Chicago, Ill.*
Croake, Robert Eugene	LS	*Janesville*
Cross, Frederick Allen	LS	*Kenosha*
Crow, Harvey Marshall	LS	*Pierre, S. Dak.*
Cuff, Willis Howard	LS	*Portage*
Cullen, Robert Killam	ExpC	*Janesville*
Culver, Homer Thomas	LS	*Eau Claire*
Cunningham, Charles Howard (SE)	PhysEd	*Madison*
Cunningham, Ernest Fowler	LSAdSp	*New Westminster, B. C., Can.*
Cunningham, Mildred	LS	*Madison*
Curtis, Lewis James	LS	*La Crosse*

Curtis, Ruby Alice	LS	*Wausau*
Cushman, Rose Frances Joan	LS	*New York, N. Y.*
Dahlquist, Raymond Arthur	LS	*Marinette*
Dahnert, Theodore Charles	LS	*Racine*
Daley, Ethel Irene	LS	*Madison*
Dallman, Esther Mary (SE)	PhysEd	*Pewaukee*
Dalton, Orin DeWitt	LS	*Dalton*
Danielson, Ruth Florence (SE)	AA	*Waupun*
Darling, Mary McNeill	HygC	*Milwaukee*
Darling, Philip H.	LS	*Waupaca*
Daskam, Jean	LS	*Antigo*
Dassow, Irma Leonore	LS	*Sheboygan Falls*
Davenport, Helen Elizabeth	LS	*Baraboo*
Davidson, Homer Parker	LS	*Detroit, Mich.*
Davies, John Paton Jr.	ExpC	*Cleveland, Ohio*
Davies, William D.	GenC	*Oconomowoc*
Davis, Dorothy Elizabeth (SE)	AA	*Madison*
Davis, Gilbert Henry	ExpC	*Evanston, Ill.*
Davis, Mary	LS	*Martintown*
Dean, Frederick Everett	LS	*Sandwich, Ill.*
Dean, George Walter	Pre-Med	*Madison*
Dearholt, John Winslow	ExpC	*Milwaukee*
De Bruyne, Phyllis Myrtle	LS	*St. Charles, Ill.*
Degner, Irma Dorthy	LS	*Lake Mills*
De Haven, Lester Levory (SE)	PhysEd	*Fort Wayne, Ind.*
Dehring, Alfons Ervin	Pre-Med	*Brownsville*
Dehring, Arnold Anton	Pre-Med	*Brownsville*
Delavan, John Francis	LS	*Sheboygan Falls*
Demarest, Lorraine Mable	LS	*Madison*
DeMuth, William John	LS	*Milwaukee*
Dennis, William Gilbert	LS	*Lake Beulah*
Denniston, John Thaw	LS	*Wauwatosa*
Denson, Frank Eugene	GenC	*Madison*
Derbyshire, Donald Vayne (SE)	PhysEd	*Duluth, Minn.*
Derleth, Henry Hamilton (SE)	GenC	*Watertown*
Dern, John Lowell	LS	*Wausau*
De ttelbach, Robert Frank	LS	*La Salle, Ill.*
Dettloff, Connie Keith	PhIII	*Bloomer*
Dettmann, Mercedes Marguerite	LS	*Ableman*
Devine, Catherine Elizabeth	LS	*Edgerton*
Dickerson, Robert John	LS	*Edgerton*
Dickie, John Adams	LS	*North Freedom*
Dickinson, Wilbert Edwin	LS	*Rockford, Ill.*
Dickinson, William Edward	LSAdSp	*Milwaukee*
Dickinson, William George	LS	*Pontiac, Mich.*
Dicks, John Phil	LS	*Kenosha*
Dietrich, Carolyn Jane	LS	*Racine*
Dietrich, Monroe William	LS	*Cansville*
Dilley, Chester Van Syckel	LS	*Union Grove*
Dipboye, Ruth Noland	LS	*Elwood, Ind.*
Disch, Harold Mat	LS	*Madison*
DiVall, Viola Shirley	LS	*Lancaster*
Dixon, Eugene Edward	LS	*Marshfield*
Dizon, Stella Rose	Mu	*Janesville*
Dobbert, Richard Michael	GenC	*Milwaukee*
Dockhorn, Wayne Adelbert	ExpC	*Janesville*
Donovan, Marie Emma	LS	*Madison*
Donovan, William Nelson	Pre-Med	*Madison*
Doolan, Leo William	LS	*Two Rivers*
Doring, Francis Charles	GenC	*Madison*
Dorman, Robert Henry	GenC	*Freeport, Ill.*

Dornbusch, Frederick Stevens	LS	*Fort Atkinson*
Dorsch, John Bernard	GenC	*Milwaukee*
Doubleday, Wallace Jackson (SE)	PhysEd	*Janesville*
Doudna, Calvin Thomas	Pre-Med	*Gillingham*
Douglas, Mrs. Celeste Harriet	LS	*Mukwonago*
Douglas, Mrs. Gladys Marie Charbonedu	Mu	*Winter*
Dowell, John Thacher	LS	*Riverside, Ill.*
Dowling, John William	ExpC	*Madison, Nebr.*
Drake, Robert Oliver	LS	*Belvidere, Ill.*
Dreher, Eula Bell	PhIII	*Oregon*
Drews, Dora Marie	Pre-Med	*Madison*
Driessel, Sylvester Charles	LS	*Slinger*
Drought, James Thomas	ExpC	*Milwaukee*
Drown, Dorothy	LS	*Marinette*
Dunlop, Mary Randall (SE)	AA	*Lima, Ohio*
Dunlap, Ruth Catherine	LS	*Milwaukee*
Dunphy, Mary Alice	LS	*Sun Prairie*
Dusenberry, William Rollinson	LS	*Goshen, Ind.*
Dvorak, Genevieve Anna	ChC	*Aurora, Ill.*
Divinnell, Marion	LS	*Baraboo*
Dyreson, Curtis Albert (SE)	AA	*Dodgeville*
Eagan, John Keith	LS	*Wautoma*
Eagle, Margaret Elizabeth	LS	*Chicago, Ill.*
Eales, John Irving	LS	*Fort Atkinson*
Earl, Joan Miriam	LS	*Kenwood, N. Y.*
Earl, William Claire	LS	*Fennimore*
Earney, Adam John	Pre-Med	*Alam*
Eatonne, Reba E.	LS	*Madison*
Edgerton, Robert Leland	LS	*Beaver Dam*
Edgerton, Ronald Bryan	LS	*Beaver Dam*
Edwards, Eunice Eualalie	LS	*Madison*
Edwards, William Harry	LS	*Lancaster*
Egger, Grace Gertrude	LS	*Marshfield*
Eggers, Joseph Roland	LS	*Two Rivers*
Eggert, Carl William	ChC	*Merrill*
Egre, Julian Sanford	GenC	*De Forest*
Ehlers, Louella Marie	Mu	*New Holstein*
Eierman, Donald F.	LS	*Madison*
Einstein, Leonard Ralph	ExpC	*Blairsville, Pa.*
Eisele, Don Henry	PreMed	*Madison*
Eldridge, Lynn Edwin	LS	*Madison*
Elliott, Helen Louisa (SE)	PhysEd	*Blue Island, Ill.*
Elliott, Helen Marie (SE)	PhysEd	*Akron, Ohio*
Elliott, James Philip	LS	*West Allis*
Ellison, Milton Edward (SE)	PhysEd	*Chicago, Ill.*
Ellsbury, Lisle Vivien	PhIII	*Clintonville*
Elver, Thelma Lucille	Mu	*Madison*
Emigh, Harry John	Pre-Med	*Milwaukee*
Emmons, Nellie Jane	LS	*Ladysmith*
Engebretsen, Lloyd Dallas	LS	*Beloit*
Enger, Carl Alfred	LS	*Deerfield*
Epstein, Abe Erin	LS	*Madison*
Epstein, Audrey A.	LS	*Pueblo, Colo.*
Erbacher, Christine	Pre-Med	*Madison*
Erich, Gertrude Dorothy	LS	*Madison*
Erickson, Curtis Seymour	GenC	*Westby*
Erickson, Gladys Anna	LS	*Clear Lake*
Ericksen, Gladys Elizabeth	LS	*Kenosha*
Eschenbach, Wanda Florence	LS	*North Freedom*
Eskridge, Hazard Stevens	LS	*Camp Meade, Md.*
Esser, Edward Dennis	Pre-Med	*Madison*

Esser, Mildred Faust	LS	*Janesville*
Essig, William Carl	LS	*Sheboygan*
Estess, May	LS	*Rochester, Minn.*
Etzler, Russell Witton	LS	*Medford*
Eulberg, Francis Mathias	LS	*Portage*
Eustice, Thelma Mildred	LS	*Madison*
Evans, Dorothy Elizabeth	LS	*Sparta*
Evans, Errol Frederic	GenC	*Kenosha*
Evans, John Vernon	LS	*Kenosha*
Evans, Leonard Norbert John	LS	*Horicon*
Evans, Orrin Bryan	ExpC	*Baraboo*
Evans, Robert Donald	LS	*Madison*
Evans, Thelma Winifred	LS	*Elwood, Ind.*
Evans, William H.	LS	*Madison*
Everman, Henry	ChCC	*Janesville*
Evert, Dorothea	LS	*Madison*
Fahrney, Myrtle Louise	LS	*Oak Park, Ill.*
Fallis, Reginald James	LS	*Prairie du Chien*
Fallis, Robert Edward	LS	*Prairie du Chien*
Farnam, Katharine Jeanette	LS	*Flint, Mich.*
Farrell, Kathleen Marie	LS	*Madison*
Favreau, Waldo Sterling	GenC	*Princeton, Ky.*
Featherstone, Conrad	LS	*Sioux City, Iowa*
Febock, Stanley William	LS	*Madison*
Feher, Louis Walter	ExpC	*Cleveland, Ohio*
Feiges, Lawrence Daniel	LS	*Racine*
Fein, Abe Max	LS	*Milwaukee*
Feingold, Thelma Vivian	LS	*Chicago, Ill.*
Feldman, Max Grossman	LS	*Pittsburgh, Pa.*
Felt, Carl Wilbur	LS	*Chicago, Ill.*
Fenster, Irene Chrystal	LS	*Loganville*
Ferguson, Mary Elizabeth	LS	*Lake Geneva*
Ferguson, Robert Bruce	LS	*Kansas City, Kans.*
Fernekes, Elizabeth	Mu	*West Allis*
Field, Lillian	LS	*Omaha, Nebr.*
Filler, Elizabeth Louise	Mu	*Wonewoc*
Fink, Allen Edmond	PhIV	*Alma*
Finlay, David Crockett	ExpC	*Erie, Pa.*
Finnegan, Francis Peter	LS	*Fennimore*
Fischer, Frank John	LS	*Janesville*
Fischer, Fred Charles	Pre-Med	*Berwyn, Ill.*
Fisher, Frederick Brown	LS	*Adrian, Mich.*
Fisher, Sylvia	LS	*Toledo, Ohio*
Fisher, William Irving	LS	*Oak Park, Ill.*
Fitzgerald, Elaine Catherine	LS	*Madison*
Fitzsimmons, Laura Annette	LS	*Mineral Point*
Fjelstad, Dora Julia	LS	*Blanchardville*
Flath, Robert Louis	LS	*Plymouth*
Fleisch, Katherine Adele (SE)	LS	*Syracuse, N. Y.*
Flemming, Ethel Mae	LS	*Lake Geneva*
Flesch, Eugene Julius	LS	*Chicago, Ill.*
Flick, Clinton Peter	GenC	*Kenosha*
Flick, Francis Austin (SE)	PhysEd	*Madison*
Flood, John Higman	ExpC	*Evanston, Ill.*
Florsheim, Elizabeth	LS	*Shreveport, La.*
Flugstad, Hubert Jerome	Pre-Med	*Westby*
Flynn, James Patrick	LS	*Duluth, Minn.*
Focareto, Nicholas A. (SE)	PhysEd	
Fogg, Norman	LS	*Janesville*
Foley, James Gerald	LS	*Dollar Bay, Mich.*
Folsom, Lucile (SE)	PhysEd	*Boston, Mass.*

Folstad, Theodore Norman	LS	*Marinette*
Fontaine, Roger Charles	LS	*Milwaukee*
Forester, Richard Moss	LS	*Wauwatosa*
Forster, Lawrence William	LS	*River Forest, Ill.*
Fossum, Alice Hildred (SE)	PhysEd	*Cambridge*
Foster, Chester William	LS	*Milwaukee*
Fox, Albert J.	PhIV	*Milwaukee*
Francis, Cuthbert Schrader	ExpC	*Milwaukee*
Franklin, Aaron Maurice	LS	*Milwaukee*
Franseen, Arnold Leonard	LS	*Frederic*
Franzblau, Minnie Gertrude	LS	*Detroit, Mich.*
Fredrickson, Lucille Elynore	LS	*Madison*
Freeborn, Jane	LS	*Tulsa, Okla.*
Freedy, Dorothy Julia	LS	*Madison*
Freeman, Stephen Edward	ChC	*Racine*
French, Marjorie Swaboda	Mu	*Madison*
Freund, Adrian Adolph	Pre-Med	*New Holstein*
Frieden, Frances Mary	LS	*Madison*
Friedlen, Helen Myra	LS	*Chicago, Ill.*
Friedman, Alfred Paul	LS	*Akron, Ohio*
Friedman, Bernard	Pre-Med	*Racine*
Fries, Carl, Jr.	ExpC	*Mazomanie*
Fries, Norman Harold (SE)	PhysEd	Madison
Frisch, Arthur Wain	ExpC	*Portage*
Fronk, Emil Paul	LS	*Two Rivers*
Frost, Gladys Hazel	LS	
Frusher, Alicea (SE)	AA	*Madison*
Frusher, Eileen Lucile	Mu	*Madison*
Frusher, Frederick Francis	Pre-Med	*Madison*
Fry, Kermit Dennis	Pre-Med	*Ashland*
Fry, Viola Mary	LS	*Freeport, Ill.*
Fuldner, Henry John	LS	*Milwaukee*
Fuller, Carlton Edwin	LS	*Gary, Ind.*
Furber, Beatrice Irene	LS	*La Crosse*
Furlong, Henry Franklin	GenC	*Milwaukee*
Gafke, Loren Albert	ExpC	*Jefferson*
Gager, Walter Frederick	Pre-Med	Oconto
Gahagan, Ivan Owen	LS	*Madison*
Gaines, Caldwell Alfred	GenC	*Wauwatosa*
Gale, John Douglas	LS	*Webster Groves, Mo.*
Gale, Lillian Kathryn	ChC	*Bismarck, Mo.*
Gallagher, Ann Margaret	LS	*Madison*
Gallagher, James Cyrill	LS	*Green Bay*
Gallup, Clyde Edgar (SE)	PhysEd	*Johnson Creek*
Gannett, Grace Elwood	LS	*Stanley*
Gantenbein, Milton Edward	GenC	*La Crosse*
Gantenbein, Rollie P.	PhysEd	*New Albin, Ia.*
Ganzlin, Carl	LS	*Sauk City*
Garlick, David Leslie	LS	*Milwaukee*
Garmager, Harry John	LS	*Beloit*
Gaston, Kenneth Ellsworth	LS	*Baraboo*
Gaulke, Nora Margaret	LS	*Janesville*
Gee, Adele Rose	GrN	*Madison*
Geffert, Clarence John	LS	Madison
Gehl, Gregory Nicholas	LS	*Hartford*
Gehrand, Betty Marian	LS	*Madison*
Geiger, Harry Norbert	Pre-Med	*Newark, N. J.*
Gentry, Paul Benjamin	GenC	*Chicago, Ill.*
George, Elaine M.	LS	*Oak Park, Ill.*
Gephart, Nina Miriam (SE)	AA	*Chicago, Ill.*

Gernand, Earl George	LS	*Milwaukee*
Gernon, David Heaucke	LS	*Madison*
Gessner, Amy Agnes	LS	*Freeport, Ill.*
Gessner, Anna Lauretta	LS	*Freeport, Ill.*
Gesteland, Neva Jean	LS	*Janesville*
Getschow, Alice Sophia	LS	*Appleton*
Gibbons, Edgar Edgar	Pre-Med	*Antigo*
Gibbons, Harry Richard	PhIV	*Antigo*
Gianunzio, Marion Anthony	LS	*Hurley*
Gilbert, Georgia Florence	LS	*Madison*
Gilbert, Ralph Herman	Pre-Med	*Madison*
Gilbertson, Clarence Bernard	LS	*Doylestown*
Gilkey, George Robert	LS	*Merrill*
Gill, Rosalie Margaret	LS	*Madison*
Gillette, Robert Wesley	LS	*La Crosse*
Gillham, Margaret Frances (SE)	PhysEd	*Cincinnati, Ohio*
Gillies, Donald Francis	ExpC	*Glen Flora*
Ginsburg, Edward Bernard	LS	*Brooklyn, N. Y.*
Giner, Juan Rosarico (SE)	IndEd	*P. I.*
Gisin, Albert Gottlieb	LS	*Superior*
Gitchell, Helen Elizabeth (SE)	PhysEd	*Green Bay*
Glave, Harold Ernest (SE)	AA	*Boscobel*
Gleason, Margaret	LS	*Madison*
Gleason, Mary Martha	CH	*Wichita, Kans.*
Glenberg, Lucille Betty	LS	*Milwaukee*
Glenberg, Rose Joan	LS	*Milwaukee*
Gliddon, Percy Charles	PhIII	*Hampshire, Ill.*
Godfrey, Julius Parr	LS	*Lodi*
Goebel, Rose Mary	LS	*Mount Horeb*
Goetz, John Frederick	LS	*Madison*
Goldberg, Ann Harriet	LS	*Superior*
Goldberg, Ben	LS	*Wausau*
Goldberg, David Dorman	Pre-Med	*Beloit*
Goldberg, Esther Gloria	LS	*Rio*
Goldberg, Pauline	LS	*Brooklyn, N. Y.*
Goldman, Benjamin Barcon	ExpC	*Cleveland, Ohio*
Goldman, Benjamin Lawrence	GenC	*Milwaukee*
Goldsmith, Max Eliott	LS	*Milwaukee*
Golinski, John Theodore	Pre-Med	*Irvington, N. J.*
Gollin, Frank	Pre-Med	*Milwaukee*
Goodlad, Donald James	ChC	*New Richmond*
Goodlad, Homer James	LS	*Madison*
Goodman, Jacob	LS	*Oconto*
Goodman, Paul Pyzer	LS	*Milwaukee*
Goodrich, Leslie Benjamin (SE)	PhysEd	*Madison*
Goodrich, Rolland Christopher	LS	*Richland Center*
Gordon, David	LS	*Brooklyn, N. Y.*
Gordon, Mildred Lillian (SE)	LS	*Chicago, Ill.*
Gordon, William	ExpC	*Cleveland, Ohio*
Gorman, Margaret	LS	*Edgerton*
Gorman, Pearl	LS	*Kansas City, Kans.*
Gorsuch, Helen Hoard	LS	*Waupun*
Gottlieb, Emanuel	LS	*Brooklyn, N. Y.*
Grabin, George	LSAdSp	*Milwaukee*
Graebel, Frederick Richter	LS	*Wausau*
Graf, Ralph	Mu	*Rockford, Ill.*
Grebe, Theodore Richard	LS	*Waupun*
Grebe, Walter William (SE)	PhysEd	*Warsaw, Ill.*
Greenfield, Samuel Robert	LS	*Chicago, Ill.*
Greiber, Leonard Norbert	Pre-Med	*Sauk City*

Greiling, Ruth Eleanor (SE)	LS	*Green Bay*
Greisen, Marian Florence	LS	*Wauwatosa*
Gress, George	LS	*River Forest, Ill.*
Griffith, Josephine Anna	LS	*Racine*
Grimm, Elizabeth (SE)	PhysEd	*Green Bay*
Groesbeck, Glenn Gany (SE)	PhysEd	*Fontana*
Groshong, Elizabeth Mary	LS	*Madison*
Gross, Marjorie	LS	*Gary, Ind.*
Grosvenor, Julia Haugan	LS	*Chicago, Ill.*
Groth, Alvin Lorenzo	LS	*Verona*
Groth, Howard Alexander	LS	*Oak Park, Ill.*
Grove, John Axtell	Pre-Med	*Newton, Kans.*
Guettler, Blaise Anthony	LS	*Glencoe, Ill.*
Gugenheim, Emil Trager	Pre-Med	*Cincinnati, Ohio*
Gulesserian, Mary	LS	*Madison*
Gunderson, Helen Lucille	LS	*Portage*
Gundlach, Violet Magdalena	LS	*Madison*
Guse, Eric Alfred	LS	*Chicago, Ill.*
Gutheim, Frederick Albert	ExpC	*Chevy Chase, Md.*
Gutz, Raymond Treanor	Pre-Med	*Selby, S. Dak.*
Guy, Curtis Foster	LS	*Milwaukee*
Haas, William	Pre-Med	*Madison*
Haase, Helene Elizabeth (SE)	AA	*Beaver Dam*
Haen, Harold Peter	LS	*Sturgeon Bay*
Haentzschel, Wilfred Clement	ChC	*Madison*
Hager, Clara Gertrude	LS	*Baraboo*
Hagstrom, Adolph Werner	LS	*Chicago, Ill.*
Hahn, Blanche Esther	LS	*Delafield*
Hahn, Wallace Charles	LS	*Clinton*
Haight, Edward Allen	ExpC	*Rockford, Ill.*
Hake, Kathryn Elizabeth	LS	*Elroy*
Hall, Dorothy Ellen	LS	*New Albany, Ind.*
Hall, George Agustus	Pre-Med	*Bluefields Nicaragua, C. A.*
Hallet, Harvey W.	LS	*Elgin, Ill.*
Hallisey, Jerome John	LS	*Beloit*
Halperin, Robert Sherman	LS	*Oak Park, Ill.*
Halperin, Samuel Benjamin	LS	*Madison*
Halvorson, Alida	LS	*Madison*
Hamilton, Dolores Berladine	LS	*Buffalo, N. Y.*
Hamilton, William Lincoln	LS	*Charles City, Ia.*
Hammer, Morris Otteson	PreMed	*Madison*
Hampel, George Henry	LS	*Milwaukee*
Hampton, Frederick Joseph (SE)	GenC	*Richland Center*
Hancock, Lawrence Foster	LS	*Fall River*
Handford, Phyllis May	Mu	*Madison*
Handley, Geraldine Dunbar	LS	*Chicago, Ill.*
Hanesworth, J. Donald	LS	*Stoddard*
Hanks, Lucien Mason, Jr.	Pre-Med	*Madison*
Hannahs, Dorthea	LS	*Kenosha*
Hannahs, Mary	LS	*Kenosha*
Hanrahan, John Arthur	LS	*Janesville*
Hans, Carl William (SE)	PhysEd	*Wausau*
Hansen, Albert Edward	LS	*Mendota*
Hansen, Tony	GenC	*Marinette*
Hansman, Dorothy Helen (SE)	PhysEd	*Sedalia, Mo.*
Hansen, Milo Frederick	LS	*Madison*
Hanson, Audrey Bernice	LS	*Beloit*
Hanson, Chester Alfred	LS	*Fort Atkinson*
Hanson, Earl Clare	LS	*Rio*
Hanson, Frederick Raymond	LS	*Omaha, Nebr.*

Hanson, Helen Marguerite	GrN	*Rio*
Hanssen, John Frederic	GenC	*Davenport, Ia.*
Hantula, Wilho Nick	ChCC	*Hurley*
Harb, Ray Orla	LS	*Madison*
Harcourt, Hastings	ExpC	*Mt. Vernon, N. Y.*
Harder, Wilbur James	LS	*New Holstein*
Hardie, Ruth Joyce	Mu	*Chicago, Ill.*
Hardin, William Howard	LS	*Peoria, Ill*
Hardy, James Winchester	GenC	*Chicago Ill.*
Harris, Adele Blossom	LS	*Chicago, Ill.*
Harris, James Wellington	LS	*Highland Park, Ill.*
Harris, Marvin Donald	ExpC	*Superior*
Harrison, Emmy Lou	LS	*Madison*
Harrison, Keith Potter	LS	*Sparta*
Harrison, Lucile Gladyce	HygC	*Adams*
Hausman, Harold Adolf	GenC	*Madison*
Hart, Mary Gertrude (SE)	AA	*Auburn, Ill.*
Hart, Miriam	LS	*Chicago, Ill.*
Hart, Stephen	LS	*Toledo, Ohio*
Hart, Vivian Yvonne	LS	*Williamsfield, Ohio*
Hartig, Arnold William	LS	*Reedsburg*
Hartman, Charles Milton	LS	*Chicago, Ill.*
Hartman, Gertrude Dorothy (SE)	AA	*Madison*
Hartshorn, Ruth Sara	LS	*Janesville*
Harvey, Richard Guille	ExpC	*Racine*
Hass, Myra Marielle	LS	*New Holstein*
Hastings, Donald Wilson	Pre-Med	*Madison*
Haswell, Lyman Clayton	GenC	*Madison*
Haugen, Ernest Kenneth	ChCC	*Washburn*
Haugen, Myrtle Theressa	LS	*Black Earth*
Hauprich, Eugene Leo	LS	*Gary, Ind.*
Hauser, Wynona Louise	GrN	*La Crosse*
Havey, Irma Ingebor	LS	*Deerfield*
Hawes, Harley Dale	LS	*Chicago Heights, Ill.*
Hawley, Clifford	LS	*Delavan*
Hawley, William Edgar	LS	*Madison*
Hayden, Ruth Margaret	LS	*Sun Prairie*
Hayssen, Harold Hugo	LSAdSp	*Madison*
Haywood, Elizabeth	LS	*Arcadia, Nebr.*
Head, Richard Sexton	LS	*Kenosha*
Heath, Helen Mae	LS	*Mattoon, Ill.*
Heath, Samuel Richard	LS	*Fond du Lac*
Heck, Sidonia Helena	HygC	*Mondovi*
Heidt, George Bernard	PhIV	*Portage*
Heidtke, Frederick Charles	PhIII	*Wausau*
Heimerl, Richard Otto	LS	*Madison*
Hein, Lucille Veronica	LS	*Madison*
Heinsen, Phyllis	LS	*Winnetka, Ill.*
Held, Ellen Elizabeth	LS	*New Glarus*
Helgeson, Oliver Harlan	ExpC	*Viroqua*
Helke, Ulissa Ulricka	LS	*Nekoosa*
Helm, William Calvert	LS	*Madison*
Helmer, Hugh J.	LS	*Pontiac, Mich.*
Henke, William Louis	LS	*Janesville*
Henn, Paul Hayes	GenC	*Racine*
Henry, Clara Louise	LS	*Eagle River*
Henshaw, Carl Wesley	LS	*Madison*
Herb, Raymond George	ChC	*Madison*
Herlin, Stanley Morton	LS	*Rockford, Ill.*
Hermann, Frances Elizabeth (SE)	PhysEd	*Beloit*
Herold, Elaine Eleanor	LS	*Relay, Md.*

Hertzberg, Sidney	ExpC	*New York, N. Y.*
Hess, Mervin W.	GenCAdSp	*Madison*
Heth, Edward Harry (SE)	AA	*Milwaukee*
Heverly, Ned	ExpC	*Longmont, Colo.*
Hewes, Fred Pooler	LS	*Beloit*
Hewitt, Rex Floyd	LS	*Madison*
Heyda, Robert Charles	ExpC	*Winnetka, Ill.*
Hiatt, Howard O.	LS	*Peoria, Ill.*
Hibberd, James Farquhar	LS	*Richmond, Ind.*
Hickok, John Hillman	ExpC	*Evanston, Ill.*
Hickox, Roger Whitney	ExpC	*Virginia, Minn.*
Hidy, Louise Corinne (SE)	AA	*Springfield, Ohio*
High, Ralph Leslie	Pre-Med	*Fond du Lac*
Hildebrand, Daniel Morris	ExpC	*Omro*
Hill, Catherine Mercy Elizabeth	LS	*Chicago, Ill.*
Hill, James Hoyt	LS	*Baraboo*
Himebough, John D.	LS	*Plymouth, Ind.*
Hinchliffe, Orpha Elizabeth (SE)	LS	*Racine*
Hines, George Messerschmidt, Jr.	Pre-Med	*Madison*
Hines, John Raymond	CH	*Chicago, Ill.*
Hingiss, Esther Ida	LS	*Kiel*
Hinn, Harold Joseph	LS	*Plainview, Texas*
Hinrichs, Arthur Sterling	ChCC	*Madison*
Hippenmeyer, Charles Owen	LS	*Stoughton*
Hirsch, Leon Bernard	AA	*Medford*
Hirsh, Morris Henry	CH	*Chicago, Ill.*
Hlavachek, George Albert	LS	*Reedsville*
Hoard, Lorenda Prudence	LS	*Sharon*
Hobbins, Harriet Ethel	LS	*Oak Park, Ill.*
Hocking, John Henry	ExpC	*Rockford, Ill.*
Hoebel, Virginia Louise	AA	*Madison*
Hoeffler, Phillip Carl	LS	*Milwaukee*
Hoffman, Eileen Estelle	LS	*Chicago, Ill.*
Hoffman, Joan Anita	LS	*Mishicot*
Hoffman, Edward Theodore	LS	*Milwaukee*
Hogenson, Bernice Lillian	GrN	*Green Bay*
Hogenson, Helen Gertrude	LS	*Green Bay*
Hogie, Earl John	Pre-Med	*Stoughton*
Hohman, Harold August	ExpC	*Wausau*
Hoiles, Walter Sheppard	LS	*Chicago, Ill.*
Hollern, Harold John	LS	*St. Cloud, Minn.*
Holloway, Claude Stenholm	ExpC	*Chicago, Ill.*
Holman, Eva	LS	*Sheboygan*
Holmes, Charles Hurd	LS	*Chicago, Ill.*
Holmes, Louise Mary	LS	*Lancaster*
Holmquist, Graydon Willis	LS	*Omaha, Nebr.*
Holscher, Marjorie Edith	Mu	*McFarland*
Holstein, Thomas Jenewein	LS	*Madison*
Holtan, Theodora Aleda	Mu	*Stoughton*
Holtman, Bertha	LS	*Sheboygan*
Hood, Robert Joseph	LS	*Spring Green*
Hootkin, Nathan	LS	*Sheboygan*
Hoppe, Vernon William	LS	*Chicago, Ill.*
Hoppmann, Lester Glenn	LS	*Madison*
Hore, Gladys Lucille	GenC	*Lancaster*
Horne, Robert Milton, Jr. (SE)	PhysEd	*Brodhead*
Horswill, Cecil Burns	LS	*Madison*
Horton, M. Bernice	LS	*Wauwatosa*
Horwitz, Herbert H.	LS	*Rockford, Ill.*
Houghton, Gordon Charles	ChCC	*Manitowoc*
Houren, John Thomas, Jr.	LS	*Marengo, Ill.*

House, Darrell Clore (SE)	PhysEd	*Shelbyville, Ind.*
Housner, Richard Edward	Pre-Med	*Cazenovia*
Howard, Francis McMillan	Pre-Med	*Wisconsin Rapids*
Howland, Helen Betty	LS	*Reedsburg*
Hubbard, Burton Fayette	ExpC	*Janesville*
Hubbard, Willis Cummings	ExpC	*Janesville*
Huerth, Clara Frances (SE)	AA	*Madison*
Huffman, Myrtle Viola	LS	*Woodstock, Ill.*
Hughes, Charles Francis	LS	*Dodgeville*
Hughes, Marie Antoinette	LS	*Janesville*
Hughes, Thomas Lloyd	LS	*Piqua, Ohio*
Huibregtse, Willard George	Pre-Med	*Sheboygan*
Hull, Amos Tyler Jr.	LS	*Hampton, Va.*
Hummel, Richard John	GenC	*Green Bay*
Hundt, August George	LS	*Whitehall*
Hunter, Marion	LS	*Mukwonago*
Hurd, Clifford Willis	LS	*Medford*
Hurd, Howard Milton	GenC	*Columbus*
Hurtgen, Joseph Cyril	LS	*La Crosse*
Hussa, Melba Juanita	LS	*Bangor*
Husting, Francis Edward	LS	*Madison*
Huyette, Nancy Jane	LS	*Detroit, Mich.*
Hvam, Russell Gerhard	LS	*Madison*
Hyslop, Ruth	LS	*Madison*
Icke, Paul William	LS	*Madison*
Ihde, Aaron John	ChCC	*Neenah*
Ingenhutt, Catherine Weeks	ChC	*Minneapolis, Minn.*
Ingersoll, William Russell	PhIII	*Milwaukee*
Inzeo, Louis Jerome	PhIII	*Waukesha*
Isenstein, Beatrice Ann	LS	*Chicago, Ill.*
Ives, Alice Asenath (SE)	PhysEd	*Topeka, Kans.*
Ivey, Donovan Albert	ChCC	*La Crosse*
Jackson, Charles Bucher	LS	*South Bend, Ind.*
Jackson, Clarence John	LS	*Belleville*
Jackson, Page Hinton	PhysEd	*Neosho, Mo.*
Jackson, Reginald Henry	Pre-Med	*Madison*
Jacobs, Clarence Raymond	LS	*Oconomowoc*
Jacobson, Celia	LS	*New York, N. Y.*
Jacobson, Clarence Charles	LS	*Milwaukee*
Jacobson, Hannah	LS	*Milwaukee*
Jacobson, Harold Edward	LS	*Madison*
Jacobson, Lloyd Saul	LS	*Milwaukee*
Jacobson, Roy Lewis	LS	*Merrillan*
Jacquart, Gordon Everett	LS	*Ironwood, Mich.*
Jaffe, Henry	LS	*Chicago, Ill.*
Jardine, Jean Quoy	LS	*Grand Rapids, Mich.*
Jay, Leroy Victor (SE)	PhysEd	*Aurora, Ill.*
Jennings, Harry Edmond, Jr.	LS	*Newcastle, Ind.*
Jensen, Frederick Townsend	GenC	*Stoughton*
Jewett, Joseph Malec	LS	*Madison*
Jiencke, Edith Edwina	LS	*Des Plaines, Ill.*
Jimieson, Russel Maurice (SE)	PhysEd	*Madison*
Jirtle, Clarence R.	LS	*Algoma*
Johnson, Frances May	LS	*Fox Lake, Ill.*
Johnson, Bud Burdette	LS	*Milwaukee*
Johnson, Chester Willard	PhIII	*Mondovi*
Johnson, Doyle Walton	LS	*Decatur, Ind.*
Johnson, Gertrude Helen	LS	*Detroit, Mich.*
Johnson, Gladys Agnes	LS	*Villa Park, Ill.*
Johnson, Hope Lenore	LS	*Lakewood, Ohio*
Johnson, Leonard Melvin	LS	*Bayfield*

Johnson, Lillian Genevieve	LS	*Ettrick*
Johnson, Oscar Levine	LS	*Wausau*
Johnson, Paul Edward	PhIV	*Elkhorn*
Johnson, Richard Burton	GenC	*Chicago, Ill.*
Johnson, Roderick Quintin	PhIII	*Spirit*
Johnson, Roy Ernest	LS	*Williams Bay*
Johnson, Russell Theodore	LS	*Racine*
Johnson, Walter Carl	LS	*Chicago, Ill.*
Johnson, William M.	LS	*Amarillo, Texas*
Johnson, Melvin Korb	GenC	*Lime Ridge*
Johnston, Robert Sidney	Pre-Med	*Milwaukee*
Jonas, Leslie Alby	ChC	*Milwaukee*
Jones, Alice Esther	LS	*Madison*
Jones, Anne Mary	LS	*Dodgeville*
Jones, Daniel Willard	ExpC	*Milwaukee*
Jones, Donald Elizah	LS	*Montford*
Jones, Emery William	LS	*Dodgeville*
Jones, Harold Stephen	LS	*Neenah*
Jones, James Lloyd	LS	*Dodgeville*
Jones, Lucine Elizabeth	LS	*Madison*
Jones, Mary Carolyn	CH	*Madison*
Jones, Mary Lucille	Mu	*Madison*
Jones, Morris Ogden	LS	*Irwin, Pa.*
Jones, Robert Everett	LS	*Milwaukee*
Jones, Warren Milton	LS	*Racine*
Jones, William Frederick	LS	*Racine*
Jorgenson, Irene Eleanore	LS	*Williams Bay*
Judd, Leo Francis	LS	*Wykoff, Minn.*
Julseth, Martin Christian	LS	*Evansville*
Justen, Raymond George	LS	*Fond du Lac*
Kadlec, Miles Thomas (SE)	PhysEd	*Berwyn, Ill.*
Kaftan, Elizabeth Josephine	LS	*Green Bay*
Kahl, William C.	LS	*Mount Horeb*
Kahn, Norma Martha	GrN	*Sauk City*
Kahn, Sydney Charles (SE)	IndEd	*Chicago, Ill.*
Kaiser, Paul John (SE)	PhysEd	*Muscoda*
Kaiser, Rosalyn Juliet	LS	*Racine*
Kaminsky, Jack Carrall	LS	*Wheaton, Ill.*
Kamps, H. Gordon	PhIII	*Marshfield*
Kaplan, Carl Jack	LS	*Cleveland, Ohio*
Karl, Hermann Lewis (SE)	PhysEd	*Milwaukee*
Karl, Max Henry	LS	*Milwaukee*
Kaste, Lillian Elsie	LS	*Fountain City*
Katz, Peter William	LS	*Marinette*
Katz, Sylvia Frieda	LS	*Hammond, Ind.*
Kaufman, Jacob	Pre-Med	*Brooklyn, N. Y.*
Kauwertz, Helene Marie	LS	*Milwaukee*
Kawalski, Edward Joseph	LS	*Cicero, Ill.*
Keefer, Stella Louise	LS	*Fort Wayne, Ind.*
Keehn, Mark George	GenC	*Milwaukee*
Kehl, Leo Thomas (SE)	PhysEd	*Madison*
Kehler, Elizabeth Bryan	LS	*Madison*
Kehr, Lohna Jordan	LS	*Milwaukee*
Keir, Eunice Christine	LS	*Madison*
Keland, Arnold Rangvold	Pre-Med	*Madison*
Kelhofer, George R.	GenC	*Janesville*
Keliher, Martin Mathias (SE)	PhysEd	*Blue Mounds*
Keller, Kenneth	GenC	*Madison*
Keller, Theodore Bogart	GenC	*Camp Douglas*
Kelley, Lillian May	LS	*Pittsburgh, Pa.*
Kelliher, Robert Marion	Pre-Med	*Madison*

Kemp, Chandler Edward	LS	*Madison*
Kempton, Judson	LS	*Madison*
Kendall, Albert Harvey (SE)	PhysEd	*Shelbyville, Ind.*
Kendall, Anne Louise (SE)	AA	*Rockford, Ill.*
Kendall, Elizabeth Carpenter	LS	*Detroit, Mich.*
Kennedy, Edward Scott	LS	*Piedmont, Kansas*
Kent, Grace	LS	*New York City, N. Y.*
Kent, Ward B.	GenC	*Wautoma*
Kenyon, Harold Leverno	LS	*Lake Mills*
Kern, John Lincoln	ExpC	*Sheboygan*
Kernan, Phillip Donald	Pre-Med	*Belleville*
Kerr, Irene Beverly (SE)	AA	*Madison*
Kerr, Isabel	LS	*Ashland*
Kerstein, Beatrice Elaine	LS	*Chicago, Ill.*
Kesmodel, William Augustus	ExpC	*Washington, D. C.*
Ketterer, Ruth Elizabeth	LS	*Madison*
Key, Laurence Elwyn	LS	*Beloit*
Keyes, Thelma Marguerite	LS	*Kenosha*
Khoury, Nicholas	Pre-Med	*Appleton*
Kierzkowski, Casimir Victor	Pre-Med	*Cudahy*
Kiger, Lawrence Archie	LS	*Westboro*
Killinger, Alfred Ladd	ExpC	*Hot Springs, S. Dak.*
Kimball, Mrs. Lucille Wisneski	LS	*Madison*
Kindschy, Fern Carolyn	LS	*Arcadia*
King, Florence M.	LS	*Merrillan*
King, Richard Davies	GenC	*Spring Green*
Kingsbury, Doris May	LS	*Antigo*
Kiselow, Sam	LS	*Racine*
Kissel, Beatrice	LS	*Hartford*
Kissel, Elizabeth Jane	LS	*Hartford*
Kittleson, Erma Mabel	GrN	*Blanchardville*
Kittleson, James Lowell	GenC	*Madison*
Kitzman, Rudolph	Pre-Med	*Big Falls*
Kjellgren, Stanley Eugene	GenC	*Rockford, Ill.*
Kjelson, Martin Anton	LS	*Sheboygan*
Klein, Donald Lester	LS	*Madison*
Klein, Margaret Ruth	LS	*Waunakee*
Klein, Milton Harvey	CH	*Cleveland, Ohio*
Klose, Leroy Gustavous	Mu	*Two Rivers*
Klossner, Charline Marie	LS	*Madison*
Kney, Alice Stead	LS	*Madison*
Knies, Elsa Catherine	LS	*Milwaukee*
Knoche, Richard Joseph	LS	*Madison*
Knox, Janet Natalie	LS	*Waterloo, Iowa*
Knudsen, Frances Marie	LS	*Kenosha*
Knudson, George Willard	Pre-Med	*Madison*
Koch, Carl Nelson	LS	*Beaver Dam*
Koch, Sadie Marie	LS	*Lone Rock*
Koegel, Inez Eleanor	LS	*Milwaukee*
Kohlmann, Robert Frederick	LS	*Milwaukee*
Kohn, Joseph	Pre-Med	*Trenton, N. J.*
Kojis, Anthony Stephen	ExpC	*Milwaukee*
Kolar, Anna Julia	LS	*Muscoda*
Koller, Philip Howard	LS	*Sayner*
Kollmeyer, Gladys Louise	HygC	*Hillpoint*
Koplin, Raymond Harry	LS	*Lake Mills*
Korinke, Darwin Frank	LS	*Charles City, Iowa*
Kramer, Vernice Marion (SE)	PhysEd	*Madison*
Kraus, Mildred Geneva	LS	*Madison*
Krauskopf, Elsa Babette	LS	*Milwaukee*
Kregel, Herman John	LS	*Waupun*

Kremer, Suzanne Agnes	PhIII	*Fond du Lac*
Kreuscher, Clinton Roger	LS	*Kenosha*
Kreutzman, Jack Ed.	GenC	*Madison*
Kribben, Bertram Delafield	LS	*Chicago, Ill.*
Krieg, Richard William	LS	*Burlington, Iowa*
Krieger, Beatrice Miriam	LS	*Milwaukee*
Krings, Cornelia Margaret	LS	*Madison*
Kroncke, Sadie Mae	LS	*Poynette*
Krueger, Dorothy Clara	LS	*Milwaukee*
Krueger, Dorothy Magdalene	LS	*Cudahy*
Krueger, Elinor Marie (SE)	PhysEd	*Milwaukee*
Krueger, Henry J.	GenC	*Genoa City*
Krueger, Marion Marcella	LS	*Oshkosh*
von Krug, Ella Faulds	LS	*Madison*
Krug, Esther Rachel	LS	*Madison*
Krugly, William Jack	GenC	*Chicago, Ill.*
Krumholz, Dorothy Margaret	LS	*Arcadia*
Kruse, Elizabeth Louise (SE)	AA	*Madison*
Kruse, Katherine Nan	LS	*Enid, Okla.*
Kuchle, Evelyn Marie	LS	*Cleveland, Ohio*
Kuehlthau, Arthur Edmund	LS	*West Bend*
Kuehn, Francis H.	LS	*Fairwater*
Kuehn, Neal Gordon	ExpC	*Janesville*
Kuelling, Marion Esther	LS	*Mineral Point*
Kull, Helen Edna	GrN	*Genoa City*
Kummer, Louis L.	PhIII	*Beaver Dam*
Kudert, Viola Marie	GrN	*Madison*
Kutchera, Irene (SE)	PhysEd	*Wauwatosa*
Kypke, Roland Jack Ernest	GenC	*Lake Mills*
Lachmund, Paul Norman	LS	*Sauk City*
Lachow, Ida Edith	LS	*Milwaukee*
Lack, Bessie Margaret	LS	*Orchard, Iowa*
Lack, Blanche Nellie	LS	*Orchard, Iowa*
Lacy, Vera Olive	Mu	*Duluth, Minn.*
LaDuke, Gerald Frank	PhIII	*Gilmanton*
Laikin, George Joe	LS	*Milwaukee*
Laird, Emily Drum	LS	*Greensburg, Pa.*
Lakin, Dorothy	LS	*Gary, Ind.*
Lamb, William Joseph	GenC	*La Fayette, Ind.*
Lambeck, Dorothy Marie	CH	*Milwaukee*
Lambrecht, Peter Donald	LS	*Viola*
Lamm, Raymond Robert	ChC	*Freeport, Ill.*
Lamonte, Frederick Victor	PhIV	*Gile*
LaMore, Chester Harmon	AA	*Madison*
Lampert, Chester Graham	LS	*Wheaton, Ill.*
Lamphere, Roby Randolph	LS	*Madison*
Lance, Edward Harvey	LS	*Daggett, Mich.*
Lance, Ralph Winfred	GenC	*Sawyer*
Landwehr, Joan Barbara	CH	*Sheboygan*
Laney, Howard John	Pre-Med	*Alma Center*
Lange, Anna May	LS	*Delavan*
Langworthy, Roy Lamont	LS	*Edgerton*
Laper, Ethel La Vern	LS	*Milwaukee*
Lappin, Gerald David	LS	*Milwaukee*
Larsen, Arnold Edward (SE)	PhysEd	*Park Falls*
Larson, Janet Borghild	LS	*Whitehall*
Larson, Robert Homer	LS	*Madison*
Last, Walter Herbert	LS	*Sheboygan*
Latter, Gladys Fay	LS	*Chicago, Ill.*
Lattimer, Edwin Frank H.	LS	*Wausau*
Laufenberg, Clarence Walter	LS	*Avoca*

Laylan, Rollo Lorenzo	LS	*Genoa*
Lazarus, Lucien	LS	*Cincinnati, Ohio*
Lease, Ray Frank	LS	*Madison*
Leavens, Phyllis Etheleen	LS	*New Auburn*
Lecher, Eugene Paul	LS	*Milwaukee*
Le Comte, Juliette Celine	LS	*Madison*
Lee, Verna Evelyn	GrN	*Mabel, Minn.*
Leesley, Jean Mather	LS	*Chicago, Ill.*
LeFebure, Wesley Robert	LS	*Madison*
Leffingwell, Marjorie Mae (SE)	AA	*Madison*
Legler, Phyllis Amelia	LS	*New Glarus*
Lehman, Harold Franklin	PhIV	*Rice Lake*
Lehman, Wallace Harvey	LS	*Pontiac, Mich.*
Lehr, Rena Estelle	LS	*Detroit, Mich.*
Lei, Philip T. N.	LS	*Shanghai, China*
Leibsohn, Lillian Esther	LS	*Chicago, Ill.*
Leister, Josephine Gertrude	LS	*Marshfield*
Leiting, Leo Joseph (SE)	IndEd	*Silver Lake*
Lemm, Carl Walter	ExpC	*Prairie du Sac*
Lemmerhart, Lawrence William	CH	*Oshkosh*
Leonardson, Bertel Ward	LS	*Marinette*
Lepp, Jeanette Irene	LS	*Kenosha*
Lepp, Samuel Robert	LS	*Kenosha*
Lerum, Peter Herman	ChCC	*Rio*
Leverenz, Timm Herman	LS	*New Holstein*
Levett, Babette J.	LS	*Minneapolis, Minn.*
Levin, Leah Claire	LS	*Racine*
Levin, Max	LS	*Milwaukee*
Levin, Robert Fink	LS	*Pittsburgh, Pa.*
Levine, Maurice Leonard	LS	*Milwaukee*
Levings, Charles Sanford, Jr.	LS	*Paris, Ill.*
Levy, Adolph Herbert	LS	*Newport News, Va.*
Levy, Miriam Sylvia	ChC	*New York, N. Y.*
Levy, Rhoda Sonya	LS	*Newark, N. Y.*
Lewis, John Alfred	ExpC	*New York, N. Y.*
Lewis, Richards Chesterfield	LS	*Wheaton, Ill.*
Ley, Frank Joseph	ExpC	*Woodlawn, Penn.*
Lichtner, Schomer Frank	LS	*Milwaukee*
Lid, Erling Sigvald	LS	*Marinette*
Lidbeck, Lyle William	LS	*Madison*
Liebenberg, Mary Averill	LS	*Madison*
Liebling, Pearl Maller	LS	*Chicago, Ill.*
Lienard, Burke Spencer	Pre-Med	*Lawrence, Kans.*
Liese, Robert Wright	PhIII	*Marshfield*
Lighty, Paul Elliot	GenC	*Madison*
Lindberg, Alice Emilie	LS	*West Allis*
Lindquist, Norman Lester	Pre-Med	*South Milwaukee*
Lindskold, Graydon Martus	ExpC	*Rockford, Ill.*
Linee, Catherine Alice	LS	*Madison*
Link, Margaret Amelia	LS	*Oshkosh*
Linscott, Elizabeth	LS	*Winchester, Mass.*
Lintleman, Helaine Edith	LS	*Janesville*
Lipinsky, Eva Rae (SE)	AA	*Ashville, N. C.*
Lipman, Anne Helene	LS	*Antigo*
Lipschutz, Benjamin	Pre-Med	*Albany, N. Y.*
Litel, Edmund John	LS	*Oregon*
Littleton, Charles Wieland	LS	*Madison*
Lloyd, Harvey John	Pre-Med	*Randolph*
Lockwood, Charlotte Daniels	LS	*Jackson, Mich.*
Lodl, Leo Francis	LS	*Two Rivers*
Long, Milton	LS	*Clinton, Mass.*

Look, Benn Ronald	LS	*Milwaukee*
Look, George Harold	PhIV	*Kaukauna*
Loomis, Eleanor Gertrude	HygC	*Kenosha*
Loomis, Marian Rachel	LS	*Kilbourn*
Loomis, Richard John	LS	*Fargo, N. Dak.*
Loomis, Vivian Jeanette	LS	*Racine*
Loranger, Alice Hermine	LS	*Flint, Mich.*
Lorch, Morris	LSAdSp	*New York, N. Y.*
Lory, Jay William	LS	*Rockwell City, Iowa*
Loscher, Caroline Regina (SE)	PhysEd	*Oshkosh*
Loshek, Victor Richard	LS	*Madison*
Lott, Spencer L.	LS	*Downers Grove, Ill.*
Lounsbery, Carolyn Mary	LS	*Cornell*
Lowe, La Verne Erroll	LS	*Indianola, Iowa*
Lubkeman, Hazel Catherine	GrN	*Bristol*
Luby, Margaret Catherine	LS	*Milwaukee*
Lucke, Elizabeth Hilary	LS	*Orange, N. J.*
Luder, Donald Evans	LS	*Mount Horeb*
Luecker, Milton Edwin	ExpC	*Brillion*
Luedke, J. Lucille	LS	*Chicago, Ill.*
Luetscher, Ruth Margareth	LS	*Madison*
Lufkin, Merrill Newell	LS	*Oak Park, Ill.*
Lukats, Mary Antoinette	LS	*Gary, Ind.*
Lumpkin, William Wallace	CH	*Madison*
Lunde, Carl Mandt	LS	*Madison*
Lunde, Einar Harold	LS	*Oak Park, Ill.*
Luoma, Hugo	ExpC	*Hurley*
Lusby, William Ernest	GenC	*Chicago, Ill.*
Lussier, Anne Margaret	LS	*Wausau*
Lutz, Charles Anthony (SE)	PhysEd	*Madison*
Lutz, Frank A.	LS	*Chicago, Ill.*
Lynn, Lylyan Ellen	LS	*Minocqua*
Lyons, Robert Markey	Pre-Med	*La Crosse*
McCabe, John O'Donnell	Pre-Med	*Milwaukee*
McCaffrey, Howard (SE)	PhysEd	*Madison*
McCall, Michael Matthew	LS	*Madison*
McCarter, William Craig	LS	*Madison*
MacCartney, Lydabell Staving	GenC	*Chicago, Ill.*
McClanathan, Maurice Lester	LS	*Sterling, Ill.*
McCloskey, John Donald	LS	*Wausau*
McCluer, Janet Winifred (SE)	PhysEd	Dayton, Ohio
McClure, Margaret (SE)	PhysEd	*Toledo, Ohio*
McCormick, Teresa M.	LS	*Madison*
McCurdy, Elisha Keyes	LS	*Madison*
McDaniel, William K.	GenC	*Darlington*
McDonald, Jean Kathryn (SE)	AA	*Madison*
McDonough, Francis Edward	Pre-Med	*Mantorville, Minn.*
McDonaugh, Joseph	GenC	*La Crosse*
McElhatton, Peggy Mary	LS	*Chicago, Ill.*
McFadden, James Iyron	ExpC	*Kaukauna*
McFarlane, Harriette Evalyn	LS	*Delavan*
McGarty, Walter David	Pre-Med	*Mauston*
McGeorge, Francis Thomas	Pre-Med	*South Milwaukee*
McGlone, Elmer Francis	LS	*Antigo*
McGrath, Adrian Paul	LS	*Highland*
MacGregor, Robert Noble	GenC	*Kent, Wash.*
McIntyre, Charlotte Mary Alyce	LS	*Waupun*
McKee, Miriam Iris	LS	*Shiffield, Ill.*
McKellar, Beatrice Ann	HygC	*Madison*
McKinley, Christopher William	Pre-Med	*Mount Horeb*
McKinley, Margaret Anna	LS	*Mount Horeb*

McKinley, Mary Ellen	LS	*Dodgeville*
MacKowski, James Eugene	Pre-Med	*Beaver Dam*
McLeod, Kenneth Michael	LS	*Rice Lake*
McLoud, Elbert Saxton	ChC	*Springfield, Ill.*
McMahan, Joe Paul	Pre-Med	*Madison*
McManman, Daniel Michael	LS	*Kilbourn*
MacMillan, Emery Hyatt	Mu	*Richland Center*
McMullin, Corinne Emily	LS	*Antigo*
Maas, Lenhart Harold	LS	*Colby*
Mabbet, Charles	LS	*Madison*
Mackenzie, Alice	LS	*Cleveland Heights, Ohio*
Mackin, James Henry, Jr.	LS	*Madison*
Madden, Edgar Francis	LS	*Sturgeon Bay*
Madden, Mary Elizabeth	LS	*Madison*
Madsen, Esther Laura	LS	*Madison*
Main, Edward Doyon	ExpC	*Evanston, Ill.*
Main, Maryellen	LS	*Madison*
Major, Stella Anna	LS	*Tomahawk*
Malec, John Peter	Pre-Med	*Madison*
Malecke, Dolores Barbara	LS	*Stoughton*
Mallory, Murrell Newton	LS	*Freeport, Ill.*
Manaster, Saul	LS	*Chicago, Ill.*
Mann, Ferdinand Julius	GenC	*Milwaukee*
Mann, Richard Marion	LS	*Evansville, Ind.*
Manthe, Elmer Raymond	Mu	*Madison*
Marcus, Paul Lester	LS	*Muscoda*
Margolis, Corinne	LS	*Dayton, Ohio*
Mark, Florence Lea	LS	*Kenosha*
Marks, Reeva	LS	*Chicago, Ill.*
Marsack, Bernadine Vivian	LS	*Sheboygan*
Marsh, Edward Thomas	Pre-Med	*Waupun*
Marsh, Laurence Manfred	Pre-Med	*Sioux Falls, S. Dak.*
Marshall, Cecelia Agnes	LS	*Fond du Lac*
Martens, Henry	PhIV	*Charlottenburg, Germany*
Martin, George Winslow, Jr.	LS	*Evanston, Ill.*
Martineau, Elinor Claire	LS	*Marinette*
Maslowski, Adolph Leon	PhIII	*Stevens Point*
Mason, Albert H.	LS	*Brooklyn*
Massett, Geraldine Elizabeth	LS	*Chicago, Ill.*
Masters, Casimir Louis	LS	*Milwaukee*
Mathis, Justine Louane (SE)	Pre-Med	*Prophetstown, Ill.*
Mattingly, Thomas Jasper	LS	*Owensboro, Ky.*
Mathews, Thomas Jennings	Pre-Med	*Madison*
Maureaux, Katherine Jule	LS	*Madison*
Maurer, Helen Stengl	LS	*Antigo*
Max, Moses	LS	*Sheboygan*
Maxcy, Arthur Crane	Pre-Med	*Washburn*
Maxwell, Donald Arthur	LS	*East Cleveland, Ohio*
Maxwell, Oden Bruce	LS	*Racine*
Mayer, Paul George	LS	*Milwaukee*
Maynard, Nathan Francis	LS	*Horicon*
Mead, Louise (SE)	AA	*Madison*
Mee, Charles Harry	GenC	*Oklahoma City, Okla.*
Meeske, Elizabeth Ann	LS	*Muskegon, Mich.*
Meggett, Clyde Alexander	LS	*Eau Claire*
Meikleohnj, Gordon Nuttman	ExpC	*Madison*
Melbye, Howard William	LS	*Chicago, Ill.*
Mellem, Lloyd	PhIII	*Viroqua*
Melnik, Morton Franklin	LS	*Madison*
Melville, Victor William	LS	*Kenosha*
Merrell, Ruth Porter	LS	*St. Louis, Mo.*

Merritt, William Mayer (SE)	PhysEd	*Lake Geneva*
Metcalf, Caryle Leslie	LS	*Portage*
Metz, Arthur George	LS	*Madison*
Metz, Charles	ChCC	*Milwaukee*
Metz, Joe Leo	LS	*Madison*
Meyer, Audrey Ellen	LS	*Madison*
Meyer, Clifford John Fredrick	LS	*Plain*
Meyer, Curtis Edward	ChC	*Milwaukee*
Meyer, Margaret	CH	*Appleton*
Meyer, Ralph	LS	*Rock Island, Ill.*
Meyer, Robert Joseph	LS	*Prairie du Sac*
Meyer, Ruth Anna	GrN	*Oconomowoc*
Michaelis, Randolph Henry	LS	*Madison*
Michelson, Cornelia Mae (SE)	AA	*Madison*
Millar, James O.	LS	*Racine*
Millard, Edward P.	Pre-Med	*New London*
Miller, Chester Olin	LS	*Antigo*
Miller, Earle James	PhIII	*Alton, Ill.*
Miller, Goldye	LS	*Chicago, Ill.*
Miller, Herman L.	LS	*Iron River, Mich.*
Miller, Merle Evelyn E.	LS	*Green Bay*
Miller, Otto Wilbur	LS	*La Crosse*
Miller, Rhoda (SE)	PhysEd	*New York, N. Y.*
Miller, Ruth	Mu	*Shreveport, La.*
Miller, Sylvia	LS	*Chicago, Ill.*
Miller, Viola Mae	LS	*Verona*
Milligan, William C.	LS	*Madison*
Mills, Ann Elizabeth	Mu	*Racine*
Mills, Harlan Elmer	LS	*Flint, Mich.*
Mills, Harold F. (SE)	AA	*Madison*
Mills, Lois Susie	LS	*Dallas, Texas*
Minash, Samuel Henry	LS	*Milwaukee*
Mindermann, Robert Frederick	Pre-Med	*Madison*
Minton, Maurice Wilbert (SE)	PhysEd	*Minocqua*
Mintz, Clara Manon	LS	*Madison*
Mintz, George Herman	Pre-Med	*Chicago, Ill.*
Mitchell, Ralph N.	LS	*Ashland*
Mitchem, Herbert Rolfe	LS	*Harvard, Ill.*
Mitter, Willibald Paul	Pre-Med	*Milwaukee*
Mittell, Esther Rosalind	LS	*Cambridge, Mass.*
Moberly, Russell Louis	LS	*Hot Springs, S. Dak.*
Mock, Carl Otto (SE)	PhysEd	*Milwaukee*
Modie, Margaret Lois	LS	*Madison*
Moe, Blanche Hazel	LS	*Milwaukee*
Mohs, Fred Edward	Pre-Med	*Madison*
Moody, Bertha Philips	LS	*Washington, D. C.*
Moor, Harold Franklin	LS	*Columbus*
Moore, Hugh James	ChC	*Racine*
Moore, LeRoy E.	Pre-Med	*Shullsburg*
Moore, Lyman Sweet	ExpC	*Oak Park, Ill.*
Moore, Margaret Lauretta	LS	*Green Bay*
Moore, Vera Ethelyn	LS	*Riley*
Moorman, Evelyn L.	LS	*Edgerton*
Moreland, Claryce Margaret	GenC	Hayward
Morgan, Lyman Herbert	LS	*Wausaukee*
Morin, Robert Juel Elwood	LS	*Eau Claire*
Mork, Hjordis	LS	*Blair*
Mork, Martha	LS	*Blair*
Morrill, Irene Anne	LS	*Rhinelander*
Morrison, Robert James	GneC	*Boscobel*
Morse, Carol Corinne	LS	*Racine*

Morse, Robert Calzell	LS	*Lancaster*
Mosakowski, Louis John	LS	*South Milwaukee*
Mosby, Ellsworth Carter	LS	*Madison*
Moseley, Forest McKenzie	LS	*Cando, N. Dak.*
Moseley, LeBaron	ExpC	*Lac du Flambeau*
Moses, Paul Morton	LS	*Chicago, Ill.*
Muchin, Jacob	LS	*Manitowoc*
Muehl, Fenton Philip	LS	*Seymour*
Mueller, Herbert John	LS	*Wauwatosa*
Mueller, Lucille I.	LS	*West Allis*
Mulchaey, Elizabeth	LS	*Merrill*
Mueller, Genevieve Rose	LS	*Arlington Heights, Ill.*
Mundt, Donald Wayne	Pre-Med	*Marinette*
Munro, James Allen, Jr.	ExpC	*New Haven, Conn.*
Murphy, Marion Grace	PhIII	*Columbus*
Murray, Charles Alfred (SE)	PhysEd	*Berwyn, Ill.*
Musser, Marc James	Pre-Med	*Madison*
Myers, Brydon Oscar	LS	*Clarion, Iowa*
Myers, Nell Mary	GrN	*Glen Haven*
Naeser, Charles Rudolph	ChC	*Janesville*
Nagy, Rudolph	ChC	*Antigo*
Narotsky, David Samuel	LS	*Marinette*
Nash, Philleo	ExpC	*Wisconsin Rapids*
Nash, William Eugene	GenC	*Wisconsin Rapids*
Nashban, Sam Left	LS	*Milwaukee*
Nathan, Edith	ChC	*Milwaukee*
Nathenson, Rose Tillie	LS	*Madison*
Nebel, J. Wilfred	LS	*Madison*
Nebel, Stanley Bernard	LS	*Madison*
Neeb, Carroll Edward	GenC	*Oak Center*
Needham, Kathleen	LS	*Oak Park, Ill.*
Neesvig, Eleanor (SE)	AA	*Madison*
Nehemkis, Peter Raymond	ExpC	*Newark, N. J.*
Nehs, Robert Procter	LS	*Wauwatosa*
Nelsen, Marian Elinor	LS	*Green Bay*
Nelson, Catherine Marshall	LS	*Red Wing, Minn.*
Nelson, Evelyn Bernice	LS	*Chicago, Ill.*
Nelson, Lenore	GrN	*Milltown*
Nelson, Leonard Edward	ChC	*Madison*
Nelson, Leonard Theodore	LS	*Washburn*
Nelson, Mildred	LS	*Edgerton*
Nemacheck, Josephine Elinor	LS	*Madison*
Neverman, Doris Louise	Pre-Med	*Marinette*
New, Victor Frederick	Pre-Med	*West Allis*
Newdelman, Benjamin	LS	*Columbus*
Newell, Marquis Vernon	ExpC	*Evanston, Ill.*
Newman, Lucille Evelyn	LS	*Chicago, Ill.*
Newman, Margaret Elizabeth (SE)	AA	*Chicago, Ill.*
Newton, Clarence Foster	LS	*Beloit*
Newton, Ralph Kermit	LS	*Wauwatosa*
Nicewarner, Owen Edward	LS	*Michigan City, Ind.*
Nichols, William Neal	LS	*Madison*
Nichols, William Yerbie	LS	*Children, Texas*
Nickel, Maurice Bernard	GenC	*Tomahawk*
Niebauer, Henry Joseph, Jr.	Pre-Med	*Phillips*
Nielsen, Christine Ella	GrN	*Manitowoc*
Niggemann, Edward John	LS	*Colby*
Niss, Gretchen Helen (SE)	LS	*Milwaukee*
Noble, Harvard Neuten	GenC	*Mitchell, S. Dak.*
Noelck, Richard August	Pre-Med	*Hartford*
Noie, Norbert Francis	ExpC	*Kaukauna*

Nolte, Dexter George	Pre-Med	*Antigo*
Nordquist, Edward Theodore	LS	*Kenosha*
North, Marshall	LS	*Madison*
North, Sue Winsdale (SE)	AA	*Madison*
Norton, Lucille Harriet	Mu	*Watertown*
Nevick, Thomas	LS	*Madison*
Nudelman, James Henry	LS	*Chicago, Ill.*
Nuernberg, Roy Frederick	LS	*Wausau*
Nuesse, Arthur Herman	LS	*Wauwatosa*
Nyberg, Thelma Linnea (SE)	PhysEd	*Madison*
Nystrom, Elliott	Mu	*Ashland*
Oberdeck, Louis Ernst	LS	*Edgerton*
Oberman, Marion Sylvia	LS	*Chicago, Ill.*
Oberndorfer, Robert Henry	LS	*Milwaukee*
O'Brien, Elizabeth Paula	LS	*Chicago, Ill.*
Ocock, Robert Charles	LS	*Milwaukee*
O'Connell, Kenneth John	LS	*North Bayfield*
O'Connell, Mary Regina	LS	*Madison*
O'Connor, Daniel Charles	Pre-Med	*Portage*
O'Connor, James	LS	*Fargo, N. Dak.*
Odbert, Ralph Kelly	Pre-Med	*Sturgeon Bay*
O'Dea, Thomas Henry (SE)	IndEd	*Madison*
O'Keefe, Gordon Frances	LS	*Madison*
O'Leary, Donald William	GenC	*Portage*
Oleson, Dorothy Mildred	LS	*Lancaster*
Olsen, Walter John	LS	*Antigo*
Olson, Frank Rudolph	LS	*Hurley*
Olson, Oscar Louis	LS	*Kenosha*
Olson, Paul Joseph	LS	*Mount Horeb*
Olson, Roland Samuel	LS	*Chicago, Ill.*
Oman, Tury (SE)	PhysEd	*Chisholm, Minn.*
O'Neill, Raymond Martin	GenC	*Madison*
O'Neill, Robert Byrne	LS	*Madison*
O'Neill, Verner Carl (SE)	IndEd	*Nekoosa*
Orth, Robert Thomas	Pre-Med	*Chicago, Ill.*
Osterbind, Gladys	GrN	*Monroe*
Osterheld, Willard Earle	Pre-Med	*Stoughton*
Oswald, Spencer William	LS	*Madison*
Owen, Ethel Olyette Amelia	LS	*Morrisonville*
Owen, Marjory Catherine	LS	*Eau Claire*
Owens, Joseph Francis	Pre-Med	*Chicago, Ill.*
Paff, Eva Irene	LS	*Ableman*
Page, Henry Burnham	LS	*Oconomowoc*
Page, Joseph George	ExpC	*Janesville*
Palakow, Marshall Jack	LS	*Milwaukee*
Paley, Mollie	Mu	*Madison*
Palt, Ethel Julianna	LS	*Kenosha*
Paris, Robert George	LS	*Prairie du Chien*
Parker, George Jr.	Pre-Med	*Peoria, Ill.*
Parker, Jeanie Belle	LS	*Mount Vernon, Ill.*
Parker, Leland Thomas	Pre-Med	*Racine*
Parker, Ruth Harriet	LS	*Mason City, Iowa*
Parkin, Margaret Arline	LS	*Madison*
Parkinson, Marshall Newcomb (SE)	PhysEdAdSp	*Madison*
Paschong, William George	LS	*Delavan*
Patterson, Herschel Halvard	LS	*Pontiac, Ill.*
Patterson, Kathryn Lillian (SE)	AA	*Milwaukee*
Patterson, Margery Wilson	GenC	*Chicago, Ill.*
Paullin, Theodore William	ExpC	*Green Bay*
Paulson, Carl Olynn	LS	*Argyle*
Paust, Clyde Mathew	LS	*Columbus*

Paust, Lloyd Jacob	LS	*Columbus*
Pavlick, William Henry	LS	*Mosinee*
Paxson, Emma Fell	LS	*Madison*
Pearce, Billy Mansfield	LS	*Milwaukee*
Peirce, Wilma	LS	*Liscomb, Iowa*
Pence, Ruth Alice (SE)	AA	*Oak Park, Ill.*
Penkoff, Pete	LS	*Toledo, Ohio*
Penn, Abraham Sam	PhIV	*Sheboygan*
Pergande, Dorothy Louise	LS	*Milwaukee*
Perkins, Robert Donald	Pre-Med	*Hartford*
Perlman, Frank	Pre-Med	*Lake Mills*
Peroutky, Elaine Theta	LS	*Merrill*
Perry, Donald Danfarth	LS	*Madison*
Perry, Walter (SE)	PhysEd	*Sturgeon Bay*
Peshak, Max James	LS	*La Crosse*
Peters, Florence Marie	LS	*Gills Landing*
Peters, Fred	GenC	*La Crosse*
Peterson, Bessie Evelyn	LS	*Whitewater*
Peterson, Delmar (SE)	PhysEd	*Poynette*
Peterson, George Donald	GenC	*Madison*
Petrick, Albert Henry	ChC	*Fall Creek*
Pett, Donald Orcutt (SE)	GenC	*Walworth*
Pettera, Donald Joseph	LS	*Montfort*
Pfleger, William	LS	*Milwaukee*
Pheatt, Anna Belle	LS	*Milwaukee*
Phelps, Stuart Edward	LS	*Beaver Dam*
Phenicie, Rachel Louise	LS	*Green Bay*
Phillips, Margaret Sutton	LS	*Greenville, Pa.*
Phillips, Ruth Elizabeth	LS	*Milwaukee*
Phinney, Elizabeth Jean	LS	*Detroit, Mich.*
Piehl, Eldred Gertrude	LS	*Williams Bay*
Pierce, Frank Edwin	LS	*Merrillan*
Pierson, Marden Stokeley	LS	*Madison*
Pike, Gwendolyn M.	LS	*Harvey, Ill.*
Pinegar, Owen Francis	GenC	*Marinette*
Piper, Charles Edward	LS	*Cascade*
Pitzele, Oser Sherman	LS	*East Chicago, Ind.*
Platt, Marian Evelyn	LS	*Baraboo*
Platz, Frederick Baker	LS	*Racine*
Plavnick, Max	Mu	*Racine*
Plous, Fred	PhIV	*Iron River, Mich.*
Polakow, Maurice Cornelius	LS	*Gary, Ind.*
Pollock, Edythe Gwendolyn	LS	*Chicago, Ill.*
Pollock, Harry	Mu	*Madison*
Polove, Minnie	LS	*Brooklyn, N. Y.*
Poole, Edith Lucille	LS	*Richland Center*
Pooley, Norman	Pre-Med	*Mohawk, Mich.*
Pope, John William	LS	*Fennimore*
Popp, Harold R.	PhIII	*Hutchinson, Minn.*
Porter, Alice Grace	LS	*Calvin, N. Dak.*
Porter, Benjamin Taylor	ExpC	*Chicago, Ill.*
Porter, James Dunlap	LS	*Milwaukee*
Porter, Mae Evelyn	Mu	*Oconto*
Porter, Robert Henry	GenC	*Merrillan*
Poser, John Falk	Pre-Med	*Columbus*
Post, Isadore Julius	Pre-Med	*Miwaukee*
Potlitzer, Mildred Hortense	LS	*Joplin, Mo.*
Powers, Florence Anne (SE)	PhysEd	*Elizabeth, N. J.*
Powers, William Eugene	ExpC	*Minneapolis, Minn.*
Pratt, Marian Estelle	LS	*Richland Center*
Prechel, Everett Allen	LS	*Chicago, Ill.*

Prentice, Howard Leland	LS	*Wausau*
Price, Kate Rathbun	LS	*Milwaukee*
Priem, John Edward	LS	*Beloit*
Prochaska, Milada J.	LS	*Friendship*
Prouty, Margaret Lucile	LS	*Richland Center*
Prusow, Oscar Max	ExpC	*Marshfield*
Puerner, June Dorothy	LS	*Jefferson*
Purcell, Mary Alice	LS	*Oregon*
Purtell, Regina Ann (SE)	AA	*Milwaukee*
Pyre, Jackman	LS	*Madison*
Quilty, Charlotte Clarice	LS	*Madison*
Quinlan, Emma Marie	LS	*Neillsville*
Quinlan, Howard	LS	*Chicago, Ill.*
Quinlan, Mida Frances	LS	*Neillsville*
Quinlan, William Wheelock	LS	*Chicago, Ill.*
Quinn, Jerome F.	GenC	*Green Bay*
Quint, Anthony	ExpC	*Chicago, Ill.*
Quirino, Carlos Felix	LS	*Manilla, P. I.*
Rabin, Charlotte Marian	CH	*Milwaukee*
Radder, Roland William	LS	*Kaukauna*
Radebaugh, Jean Laura	Mu	*Walworth*
Rader, Robert L.	Pre-Med	*Dayton, Ohio*
Radley, Jane Converse	LS	*Milwaukee*
Radley, John	LS	*Peoria, Ill.*
Raettig, Hazen Lloyd	ExpC	*Antigo*
Rahlfs, Virginia Rose	LS	*Chicago, Ill.*
Raisbeck, Robert Bemis	Pre-Med	*Madison*
Ralston, Florence Elizabeth	Mu	*Beloit*
Randall, Melvin Hubert	LS	*Madison*
Randell, Mark	LSAdSp	*Madison*
Rasmussen, Mardell Evelyn	LS	*Green Bay*
Rau, Clyde	Pre-Med	*Two Rivers*
Rawe, Robert Lloyd	GenC	*La Moure, N. Dak.*
Reader, Annabell Jolly	LS	*Blue Ash, Ohio*
Record, Winifred Grace	LS	*Barrington, Ill.*
Rector, Eva	LS	*Sharon*
Redeker, Clyde Austin	LS	*Elgin, Ill.*
Redell, Luella Marie	LS	*Madison*
Reed, Dorothy Evelyn	LS	*Montfort*
Reed, Philip Grant	LS	*Evanston, Ill.*
Reeve, Winchell	ExpC	*Western Springs, Ill.*
Rehage, Kenneth Joseph	LS	*Elgin, Ill.*
Rehm, Homer Earl	LS	*Fort Atkinson*
Rehwald, Charles Arthur	GenC	*Racine*
Reinganum, Carol Dorothy	LS	*Chicago, Ill.*
Reinke, Edwin Walter	ChCC	*Whitewater*
Reis, John George	LS	*Odebolt, Iowa*
Reithmeier, Edwin Reinhold	GenC	*Doylestown*
Renda, Dominic	Pre-Med	*Brooklyn, N. Y.*
Rennels, Thomas Cable	Pre-Med	*Park Falls*
Renshaw, Josephine Elizabeth (SE)	PhysEd	*Pittsburgh, Pa.*
Rentz, Frank Albert	LS	*Madison*
Reynolds, Mrs. Elizabeth Clark	LSAdSp	*Madison*
Reynolds, Mary Ellen	LS	*Madison*
Reynolds, Robert Ewing	ExpC	*Allentown, Pa.*
Reynolds, Thomas Flatley	LS	*Green Bay*
Rhode, Mary Beulah (SE)	PhysEd	*Kenosha*
Richards, Ellsworth Earl	LS	*Kenosha*
Richards, Geraldine Jewell	LS	*Rochester, N. Y.*
Richardson, Jean Lewis	LS	*Muskegon, Mich.*
Richman, Laurence Stanley	LS	*Brooklyn, N. Y.*

Ridley, Patsy Cartmell	LS	*Houghton, Mich.*
Riedner, Joe K. Hart	PhIII	*Madison*
Rietveld, Frances	LS	*Madison*
Riley, Daniel Bernard	ExpC	*San Diego, Cal.*
Riley, Gordon Wilson	GenC	*Eau Claire*
Rindt, Roger Franklin	Pre-Med	*Two Rivers*
Ripsom, Ralph Warren	LS	*Milwaukee*
Rischmueller, Henry George	LS	*Sauk City*
Rischmueller, Otto Edgar	LS	*Sauk City*
Risjord, Isabelle Josephine	LS	*Ashland*
Ristow, Walter William	LS	*La Crosse*
Ritchie, Robert	ExpC	*Beaver, Pa.*
Roberts, Everett Anderson	LS	*Horicon*
Roberts, Harold Hoskins	GenC	*Madison*
Roberts, Helen Perry	LS	*Lakewood, Ohio*
Roberts, Irving Eugene	LS	*Madison*
Roberts, Justus Bulkley	LS	*Brimfield, Ill.*
Roberts, Tom William	LS	*Milwaukee*
Robinson, Norma Evelyn	LS	*Kenosha*
Roche, Jack Edward	LS	*Waukegan, Ill.*
Rocka, Margaret Lucille	LS	*Madison*
Rockwood, Alice Benner	LS	*Springfield, Ill.*
Rodgers, Helene Dolores	Pre-Med	*Chicago, Ill.*
Rodolf, Mary Kathryn	LS	*Tulsa, Okla.*
Roe, Karen Jeanette	LS	*Stoughton*
Roemheld, Anita-Marie de Campi	LS	*Chicago, Ill.*
Roethe, Donald Byron	LS	*Fennimore*
Roets, Mary Elizabeth	LS	*Charleston, W. Va.*
Rohrer, Angeline Elna	GenC	*Cochrane*
Rondinella, Michael	LS	*Cicero, Ill.*
Ronsholdt, George James	LS	*Racine*
Rose, Edward Herman	ExpC	*St. Paul, Minn.*
Rose, Myron F.	LS	*Milwaukee*
Rosenbaum, Menz Jr.	LS	*Chicago, Ill.*
Rosenblatt, Lea G.	LS	*Omaha, Nebr.*
Rosenbluth, Constance Hilda	LS	*New York, N. Y.*
Rosenfeld, Louise Williams	LS	*Chicago, Ill.*
Rosenfels, Walter	LS	*Oak Park, Ill.*
Rosenheimer, Marc David	Pre-Med	*Kawaskum*
Rosenthal, Donald Lester	GenC	*Chicago, Ill.*
Rosenthal, Ivan	ExpC	*New York, N. Y.*
Ross, Earl Alvin	LS	*Chicago, Ill.*
Rostker, Joseph Louis	LS	*Kenosha*
Roth, Adeline Marguerite	LS	*Madison*
Rothermel, Elizabeth Emma	Mu	*Viroqua*
Rothman, Edythe Elaine	LS	*Milwaukee*
Rotstein, Louis B.	LS	*Rockford, Ill.*
Rottman, Gilbert James (SE)	PhysEd	*Milwaukee*
Rotzoll, Robert Albert	Pre-Med	*Wausau*
Rouse, Angela Anita	LS	Benton Harbor, Mich.
Rowan, DeVere William	LS	*Madison*
Rowe, William Jasper	LS	*Rochester*
Rowell, Elizabeth Louise	LS	*West Lafayette, Ind.*
Roy, George Thomas Jr.	ExpC	*Memphis, Tenn.*
Roy, Marian Pearl (SE)	PhysEd	*Harvey, Ill.*
Roynon, Helen Josephine	LS	*Chicago, Ill.*
Roynon, Jackson Baker	LS	*Stone Lake*
Rozelle, Chester Archie	LS	*Wausau*
Ruark, Ruth E.	LS	*Peoria, Ill.*
Rubin, William Fred	LS	*Fennimore*
Rubnitz, Leon Harlan	Pre-Med	*Madison*

Rundell, Milton Chalmers	LS	*Livingston*
Runge, Edgar Henry	ExpC	*Milwaukee*
Runke, Ruth Jane	LS	*Merrill*
Rusch, Theodore William	PhIV	*Merrill*
Rutel, Abraham	LS	*Madison*
Rutlin, Irene Adeline	LS	*Deerfield*
Ruttenberg, Jerome Joseph	LS	*Chicago, Ill.*
Rutter, Bernice Elizabeth	LS	*Madison*
Ryan, Dorothy	LS	*Madison*
Ryan, Esther Janet	LS	*Monroe*
Ryan, Harold Myrton	Pre-Med	*Antigo*
Ryan, Mary Elizabeth	LS	*Milwaukee*
Ryden, Kenneth Emery	LS	*Madison*
St. John, Margaret Elizabeth (SE)	AA	*Madison*
St. John, Robert Elmore	LS	*Green Bay*
Sachtjen, Josephine Alice	LS	*Boscobel*
Sachtjen, Marion Edward	LS	*Madison*
Sackett, Lawrence Jay (SE)	PhysEd	*Filer, Idaho*
Saggio, Charles	LS	*Milwaukee*
Sainer, Anna Estell	Mu	*Madison*
Salemson, Harold Jason	ExpC	*Montpellier, France*
Salinsky, William Robert	LS	*Youngstown, Ohio*
Salisbury, Lawrence Parwin	LS	*Clinton*
Sampson, Robert Carnell	LS	*Stoughton*
Sanders, Dorothy Moore	Mu	*Columbus, Ohio*
Sandgren, Ralph Edward	LS	*Nashotah*
Sandke, Robert Julius	LS	*Chicago, Ill.*
Sands, Priscilla Elizabeth	LS	*Reedsburg*
Sarles, Fred Jerome	GenC	*Madison*
Sawyer, Lorraine Desiree	LS	*Hartford*
Sawyer, Marian Elizabeth (SE)	AA	*Wausau*
Scadron, Irwin	LS	*Chicago, Ill.*
Scanlan, Joseph Francis	LS	*Chicago, Ill.*
Scannell, Elnora Mary	LS	*Warren, Ill.*
Schachet, Ann Rose	LS	*Chicago, Ill.*
Schaefer, George Henry, Jr.	LS	*Dalton, Ill.*
Schaefer, Wilbur Harvey	ExpC	*Juneau*
Schaffter, Rudolph Klippel	ExpC	*Evanston, Ill.*
Schalk, Eleanor Augusta	LS	*Berlin*
Schalk, Jeannette Clara	LS	*Berlin*
Schansberg, Alden Jerome	LS	*Blair*
Schapiro, Herman	LS	*Chicago, Ill.*
Schapiro, Jack	LS	*Brooklyn, N. Y.*
Scharbach, Edwin Emil	LS	*Hobart, Ind.*
Schatz, Walter Reinhold	Pre-Med	*Racine*
Scheer, Casimir Francis	LS	*Kenosha*
Scheibe, Elinor Kathryn (SE)	AA	*Cloquet, Minn.*
Schendel, Theodore Richard	LS	*Milwaukee*
Schenk, Carl Samuel	LS	*Lancaster*
Schenk, Margaret Jeanette	HygC	*Madison*
Schenkenberg, Grace Eleanor	Pre-Med	*Racine*
Schermerhorn, John William	GenC	*Madison*
Schiffer, Harlan Hubert	ChCC	*Madison*
Schilling, Virginia Julia (SE)	LS	*Sawyer*
Schiltz, Roland Edward	LS	*Aurora, Ill.*
Schini, Eunice May	GrN	*La Crosse*
Schink, Dorothy Frederica	LS	*Green Bay*
Schlei, Peardon Frederick	PhIII	*Fort Atkinson*
Schmalhausen, Maurice Sydney	LS	*Chicago, Ill.*
Schmidt, Jacob	LS	*Milwaukee*

Schmidt, Thomas Christopher	GenC	*Waunakee*
Schmidtill, Robert Charles	ExpC	*Wauwatosa*
Schmidtmann, John Bump	ExpC	*Manitowoc*
Schmitt, Dorothy Jane	LS	*Great Neck, Long Is.*
Schmitz, Arnold Joseph	Pre-Med	*Sauk City*
Schmitz, Mark Joseph	Pre-Med	*Madison*
Schneider, Harold Otto	Pre-Med	*Monroe*
Schneider, Harvey Henry (SE)	PhysEd	*Schofield*
Schneider, Lucille Evelyn	LS	*Lanark, Ill.*
Schoenfeld, Katherine	LS	*Toledo, Ohio*
Schoenfeld, Margaret Helen (SE)	AA	*Chicago, Ill.*
Schott, Dorothy Roth	LS	*Highland, Ill.*
Schroeder, Bernina Ida	GrN	*Madison*
Schroeder, Edith Lillian	LS	*Reedsburg*
Schroeder, Jennette Treadway	LS	*Racine*
Schroeder, Vernon Clarion	LS	*Rib Lake*
Schubert, Viola Elsie	LS	*Watertown*
Schuetze, Reuben Arthur	LS	*Waukesha*
Schulman, Albert A.	LS	*Chicago, Ill.*
Schultz, Ben Wencel	GenC	*Deerbrook*
Schultz, George George	LS	*Appleton*
Schultz, Raymond Maxwell	LS	*Madison*
Schulz, Edith Anita	LS	*Madison*
Schumacher, Edward	LS	*Chicago, Ill.*
Schumacher, Elroy Emil	LS	*Merrill*
Schuster, Peter	GenC	*Madison*
Schwartz, Bernard William	LS	*Two Rivers*
Schwartz, Isadore I.	Pre-Med	*Manitowoc*
Schwarze, Richard Louis	Pre-Med	*Greenwood*
Schwefel, Lorraine J.	LS	*Milwaukee*
Schweke, Arthur Dick	LS	*Reedsburg*
Scobie, Jean L. (SE)	AA	*Madison*
Searle, Margaret Louise	LS	*Lead, S. Dak.*
Seering, Blanche Marie	Mu	*Summit Lake*
Segal, Beatrice Irene	LS	*Appleton*
Segal, Eunice Ann	LS	*Appleton*
Seidl, Peter	LS	*Marinette*
Seifert, Mary Jane	LS	*Springfield, Ill.*
Sell, Ralph Edward	ChC	*Appleton*
Selle, Carl Martin	LS	*Milwaukee*
Sepulveda, Alberto Rodriguez	LS	*Mexico City,* Mexico
Sershon, Willard John	LS	*Manitowoc*
Severson, Irving Sandford	LS	*Stoughton*
Seymour, Marvin Clinton	Mu	*Racine*
Seymour, Richard Maynard	LS	*Milwaukee*
Shannon, Patrick Sherman	PhIV	*Madison*
Shattuck, Dorothy Geneva	LS	*Madison*
Sheahan, Myrtle Margaret	LS	*West Allis*
Sheldon, James Thomas	Pre-Med	*Rochester, Minn.*
Sheldon, John Fletcher	Pre-Med	*Madison*
Shell, Lorene Mabel	LS	*Madison*
Shelton, Carolyn Marie (SE)	AA	*South Bend, Ind.*
Shelton, Thomas Peter	Pre-Med	*Mauston*
Sherman, Stanley Braymer	LS	*Racine*
Sherven, Johannes Martin	LS	*Sun Prairie*
Sheurerman, Helen	LS	*Kansas City, Mo.*
Shiels, John Hoffstatter	LS	*Baraboo*
Shimkus, Alexander Joseph	Pre-Med	*Chicago, Ill.*
Shirley, Ruth Elizabeth (SE)	AA	*Chicago, Ill.*
Shlimovitz, Myron	ChC	*Sparta*
Shulimson, Morris	ExpC	*Buffalo, N. Y.*

Siegel, Howard Woolfan	Pre-Med	*Eveleth, Minn.*
Siegrist, Ward Frances	ChCC	*Akron, Ohio*
Siekert, Delta Margaret	LS	*Madison*
Siggelko, Alice Caroline	LS	*Madison*
Silbernagel, Fannie Louise (SE)	AA	*Shreveport, La.*
Simak, Cliffor Donald	LS	*Madison*
Simenson, Russel Garner	LS	*Beloit*
Simonson, Kenneth Roland	LS	*Wautoma*
Simonson, Willard Hubert (SE)	PhysEd	*Cambridge*
Simpson, Alton John	LS	*Sturgeon Bay*
Sims, David Hadley	PhIV	*Sedalia, Mo.*
Sinaiko, Edwin Sidney	Pre-Med	*Madison*
Sinaiko, Russell Philip	Pre-Med	*Madison*
Singletary, Gaylord Penson	LS	*Beloit*
Sinykin, Gordon	LS	*Madison*
Sister, Mary Rosena Bachhuber	Mu	*Racine*
Sixeas, Florence	LS	*Chicago, Ill.*
Skewis, John Edward	Pre-Med	*Shullsburg*
Skipper, Elton Raymon	PhIII	*Waukegan, Ill.*
Sklute, Julius S.	ExpC	*Racine*
Skroch, Ernest Joseph	LS	*Neillsville*
Skuldt, Hjalmer Al Sander (SE)	AA	*Madison*
Skupniewitz, Joseph Leo	LS	*Beaver Dam*
Sladen, Joseph Alton	Pre-Med	*Wichita, Kans.*
Slavin, Max N.	LS	*Cleveland, Ohio*
Slightam, Beryl Alberta	LS	*Madison*
Small, Myrtle Dell	LS	*Madison*
Smith, Clifton Keltner	LS	*Omaha, Nebr.*
Smith, David Billings	LS	*Wausau*
Smith, De Alton	LS	*Eau Claire*
Smith, Frank Elmore	LS	*Oak Park, Ill.*
Smith, Holley Johnston	LS	*East Cleveland, Ohio*
Smith, Ida Ruth	LS	*Platteville*
Smith, J. Kitchel	Pre-Med	*Arcanum, Ohio*
Smith, Jack Russell	Pre-Med	*Lake Mills*
Smith, Katharine Pelton	LS	*Madison*
Smith, Kathryn Alberta	LS	*Madison*
Smith, Marvin Charles	LS	*Dodgeville*
Smith, Melville Warren	GenC	*Madison*
Smith, Neil Horton	ChCC	*Mondovi*
Smith, Ronald Ernest	LS	Fennimore
Smith, Ruth Eleanor	LS	*Waupaca*
Smith, Ted Rex	LS	*Moline, Ill.*
Smock, Jack Walter	LS	*Des Moines, Iowa*
Snydacker, Daniel	Pre-Med	*Kenilworth, Ill.*
Snyder, Jesse Richard	GenC	*Chicago, Ill.*
Snyder, Rebecca	LS	*Marion, Ind.*
Snyder, Virginia Mary	LS	*Janesville*
Sobel, Nathan Morris	LS	*Wauwatosa*
Sohns, Beulah	LS	*Grafton*
Solberg, Clarence S.	Pre-Med	*Ferryville*
Solomon, Emmet Gamaliel	LS	*Omaha, Nebr.*
Solow, Florence Freda	LS	*Kansas City, Kans.*
Solso, Clarence Otto	ChC	*Madison*
Sorensen, Stanis Eunice	LS	*Green Bay*
Sorenson, Arthur	IndEd	*Madison*
Sorenson, Marion Antoinette	LS	*Green Bay*
Sorenson, Evelyn Marguerite	LS	*Ottawa, Kans.*
Sorenson, Russel LeRoy	GenC	*Madison*
Sorenson, William Harris	GenC	*Woodstock, Ill.*
Sorgenstein, Samuel	LS	*New York, N. Y.*

Sorkin, Benjamin	ExpC	*Livingston Manor, N. Y.*
Sossaman, Oliver Henry, Jr.	Pre-Med	*Medford*
Sowl, Harold Gilbert	Pre-Med	*Beloit*
Speer, George Scott	LS	*Oak Park, Ill.*
Speich, Harry Alfred	LS	*Greenwood*
Speirs, Jennie (SE)	AA	*Cameron*
Speizer, Selma Ruth	LS	*Sharon, Pa.*
Spencer, Richard Thomas	LS	*Chicago, Ill.*
Spencer-Green, Ormond George	Pre-Med	*Madison*
Spies, George Henry	LS	*Walworth*
Spoentgen, Richard Carl	LS	*Madison*
Sprague, Wilma Lucile	GrN	*Oregon*
Springberg, Mildred Sadyl (SE)	PhysEd	*Madison*
Stagner, Mildred Annie	GrN	*Madison*
Stangel, Dorothy Frances	LS	*Manitowoc*
Stannard, Gilbert DeWitt	LS	*Greenbush*
Stanton, Renetta Dudley	Mu	*Beloit*
Stare, Frederick John	ChC	*Columbus*
Stark, Earl Frederick	LS	*Hartford*
Statz, Helen Josephine	LS	*Madison*
Stauss, Dorothy Olive	LS	*Racine*
Steen, James Alvin	PhIII	*Osseo*
Steenis, Orithia Clark	LS	*Madison*
Steffelin, Edward Rowe	GenC	*River Forest, Ill.*
Steffke, Elmer Patrick	LS	*Marinette*
Stehlik, Elmyra Charlotte	Mu	*Racine*
Stein, Elizabeth	LS	*Philadelphia, Pa.*
Stein, Paul	LS	*Brooklyn, N. Y.*
Steinbaugh, Harold Nicholson	LS	*Pontiac, Mich.*
Steinberg, Jack	LS	*Chicago, Ill.*
Stenseth, Quintin	LS	*Barneveld*
Stenzel, Lawrence Albert (SE)	IndEd	*Wilmot*
Sterling, Jane (SE)	LS	*Cleveland Heights, Ohio*
Stern, Herbert Spencer	LS	*Philadelphia, Pa.*
Sternard, Ray Mitchell	LS	*Green Bay*
Sternberg, Joanna	LS	*Asheville, N. C.*
Stevenson, Howard Louis	PhysEd	*Madison*
Stewart, Cyril Oliver	LS	*Green Bay*
Stibbs, John Henry	LS	*Chicago, Ill.*
Stigleman, Joan Gertrude	LS	*Youngstown, Ohio*
Still, Donald James	LS	*Woodstock, Ill.*
Stiver, Daniel DeWit	Pre-Med	*Goshen, Ind.*
Stock, Walter Lincoln	LS	*Madison*
Stockmeyer, Oscar Cornelius	PhIII	*Two Rivers*
Stoddard, Nema Kinne	LS	*Charlotte, Mich.*
Stoffel, Albert Law	LS	*Racine*
Stone, Alice Margaret	LS	*Madison*
Stone, James Terrill	LS	*Spencer, Iowa*
Stone, Philip Vernon	GenC	*Madison*
Storms, William Wallace	LS	*Racine*
Stott, Fern Wehrle	LS	*Evansville*
Stott, Howard Ransom	LS	*Evansville*
Strasburg, Robert Donald	PhIII	*Edgerton*
Stratman, Helen Othelia	LS	*Dodgeville*
Strawhince, Peter Joseph	Pre-Med	*New Haven, Conn.*
Streeter, Charles Leroy	LS	*Wichita, Kans.*
Stricker, Marvin Frank	LS	*Middleton*
Stringfellow, Walter Albert Jr.	LS	*Evanston, Ill.*
Stroebel, Charles Frederick	LS	*Lake Mills*
Strub, Ernest Paul, Jr.	ExpC	*Manitowoc*
Struckmeyer, Lester Clarence	LS	*Madison*

Stuenkel, Frederick Jr.	GenC	*Hinsdale, Ill.*
Sudranski, Herbert F.	LS	*Greencastle, Ind.*
Sugerman, Harold Reginald	LS	*Chicago, Ill.*
Sullivan, Robert B. Jr.	LS	*Oak Park, Ill.*
Sullivan, Ruth Ann	LS	*Kenosha*
Sundstrom, Vincent Bruce (SE)	AA	*Madison*
Svenson, Carl Edward	LS	*Fond du Lac*
Sverdlin, Abe Al	Pre-Med	*Milwaukee*
Swantner, Libbie Leone	LS	*Fremont, Nebr.*
Sweet, Ann Lois	LS	*Madison*
Sweet, Dorothy	LS	*Madison*
Sweet, Gordon	LS	*Madison*
Sweet, Hubert Richardson	LS	*Milwaukee*
Swensen, Erling Frederic	ChC	*Madison*
Swenson, Richard Louis	GenC	*Chicago, Ill.*
Swenson, Ruth Louise	GrN	*Madison*
Swerdloff, Sam	AA	*Madison*
Swiggum, Elaine Rhena	GrN	*Madison*
Taggart, Virginia Betty	LS	*Seymour*
Talbot, Cyril Arthur	ExpC	*Merrill*
Talbott, Mary Alice	LS	*East Aurora, N. Y.*
Taliaperro, Odell A.	PhIV	*La Grange, Ill.*
Tarnutzer, Alice Evelyn	LS	*Madison*
Tarnutzer, Andrew David	LS	*Sheboygan*
Tascher, Mary Helene	LS	*River Forest, Ill.*
Taussig, Mary Cuno	LS	*St. Louis, Mo.*
Taves, Cecil Celestis	LS	*Beloit*
Tax, Erwin Hanwit	ExpC	*Milwaukee*
Taylor, Anita Louise	PhysEd	*Iola*
Taylor, Edward Joseph	LS	*Chicago, Ill.*
Temkin, Henry	LS	*Madison*
Temkin, Mark Marcus	Pre-Med	*Beaver Dam*
Terrell, Gale Hiram	LS	*Mineral Point*
Terrio, Anna Evelyn	LS	*Abbotsford*
Terwilliger, Viola Gertrude (SE)	AA	*Madison*
Teska, Edward Frank (SE)	AA	*Chicago, Ill.*
Teska, Harold Fred	GenC	*Wautoma*
Tews, Earl William	LS	*Milwaukee*
Thalacker, Arbie O.	LS	*Wisconsin Rapids*
Theleen, Janet Louise	LS	*Kenosha*
Theobald, Katharine Jackson	LS	*Webster Grove, Mo.*
Thomas, Amelia Franscina	LS	*Lancaster, Ohio*
Thomas, Frederick Hendrix	ExpC	*Washington, D. C.*
Thomas, Henry Richard	Pre-Med	*Sun Prairie*
Thomas, Margaret Mae (SE)	PhysEdAdSp	*Peshtigo*
Thompsen, Kenneth Pennell	GenC	*Madison*
Thompson, Dora Mae (SE)	PhysEd	*Marshalltown, Iowa*
Thompson, Marion Elizabeth	LS	*Madison*
Thompson, Orin Charles	LS	*Madison*
Thomson, Elizabeth Antoinette	LS	*St. Louis, Mo.*
Thorson, Austin Trevor	LS	*Wittenberg*
Thorson, Marie Eleanore	LS	*Middleton*
Tiedeman, Carl Herman	GenC	*Madison*
Tiedemann, Marilouise	LS	*Evanston, Ill.*
Tigges, Wilbur Gabriel	Pre-Med	*Mosinee*
Tilker, Lucy Esther	LS	*Madison*
Timmerman, Anita Caroline	LS	*McGregor, Iowa*
Tisdale, LaGatha	Pre-Med	*Muscoda*
Todd, Ethel May	GenC	*Madison*
Toepfer, Robert William	LS	*Milwaukee*
Toll, Robert Louis	LS	*Oak Park, Ill.*

Tollefson, Carolyn Maedora	LS	*Mount Horeb*
Tolman, Esther Elizabeth	LS	*Walworth*
Tompkins, Samuel Yewell	LS	*Owensboro, Ky.*
Tompkins, Willard Chesley	Mu	*Green Bay*
Tormey, Thomas William	Pre-Med	*Madison*
Torrance, John Malcolm	Pre-Med	*La Crosse*
Towne, Janet Elizabeth (SE)	PhysEd	*Chicago, Ill.*
Tragsdorf, William	LS	*Neilsville*
Traube, Arthur	LS	*Des Plaines, Ill.*
Trepanier, Richard David	PhIV	*Westboro*
Trier, Joseph Jasper	LS	*Hurley*
Triggs, Bernard Joseph	Pre-Med	*Winona, Minn.*
Trine, Sidney James	GenC	*Flint, Mich.*
Tripp, Catherine Uzzetta	LS	*Belvidere, Ill.*
Trowbridge, Willard Blair	LS	*Hillsdale, Ill.*
Trusler, Lois Emily	LS	*Mondovi*
Tschudy, Herbert Otto	LS	*Monroe*
Tubbs, William Charles	LS	*Fond du Lac*
Tufts, John Franklin	LS	*Cedar Rapids, Iowa*
Tyriver, Edwin Clarence (SE)	PhysEd	*Neenah*
Udelowish, Miriam Jean	LS	*Chicago, Ill.*
Ullsvik, Henry Theodore	LS	*Madison*
Ulman, John Corry	PhIII	*Lockport, N. Y.*
Urbick, Peter Victor	LS	*Kenosha*
Utoft, Harold (SE)	PhysEd	*Tyler, Minn.*
Vallier, Mary Esther	LS	*Milwaukee*
Vandebrook, Karl Alfred	GenC	*Madison*
VanDeelen, Henry	Pre-Med	*Waupun*
Vanderhoef, Ray William	LS	*Rio*
VanDoren, Arleen Flora	Mu	*Antigo*
Van Doren, Dean Kimball	LS	*Birnamwood*
Van Doren, James Howard	GenC	*Birnamwood*
Van Natta, Clinton Allen	GenC	*Phillips*
Van Natta, Nelson Coe (SE)	PhysEd	*Chicago, Ill.*
Van Natta, Vail Allen	LS	*Chicago, Ill.*
Van Roo, Ruth Eleanor	LS	*Milwaukee*
Van Sistine, William Leo (SE)	PhysEd	*West De Pere*
Varian, Donald Storm	ExpC	*Hastings-on-Hudson, N. Y.*
Vass, Laurence Coolidge	ExpC	Des Moines, Iowa
Vath, Phyllis Josephine	LS	Evanston, Ill.
Vatkin, Harry Aaron	LS	*Milwaukee*
Vaughan, Marian Katherine	GrN	*Madison*
Vaughn, Mary Anna	LS	*Almond*
Vaughn, William Beashore	LS	*Columbia, Pa.*
Vea, Kathrine Buchtrup	Mu	*Stoughton*
Vergeront, Helen Munson	LS	*Viroqua*
Veselsky, Jerry Victor	ChC	*Berwyn, Ill.*
Vesperman, Norma Belle	LS	*Lancaster*
Vicars, William Michael	LS	*Pontiac, Ill.*
Vietmeyer, Myrtle Otillia	LS	*Milwaukee*
Vietmeyer, Viola Catherine	LS	*Milwaukee*
Vinograd, Eugene	Pre-Med	*Milwaukee*
Vinson, John Bryant	LS	*Milwaukee*
Vint, Arthur Harold	LS	*Union Grove*
Vivas, Edgar Ralph	Pre-Med	*Brooklyn, N. Y.*
Vivas, Henry Maurice	Pre-Med	*Brooklyn, N. Y.*
Vivian, Hazel Marie	LS	*Mineral Point*
Vogel, Glen Farnum	LS	*Chiocton*
Vogts, Harry Frederick	ChCC	*Madison*
Vollmer, Otto	LS	*Glen Ellyn, Ill.*
Vollrath, Robert Philip	ExpC	*Sheboygan*

Voss, Karen Marie	CH	*Park Ridge, Ill.*
Vraney, Alvin George	LS	*Manitowoc*
Vrooman, Claude Elliott	LS	*Kansas City, Mo.*
Wade, Douglas Edward (SE)	PhysEd	*Beloit*
Wadewitz, Robert Malcolm	LS	*Racine*
Wagner, Esther Mae	LS	*Madison*
Wagner, Milton Carl	LS	*Two Rivers*
Wahlberg, Gilbert George	LS	*Kenosha*
Wahler, Alice Ruth	LS	*La Valle*
Walker, Edward Dorchester	LS	*Racine*
Wallach, Edythe Gertrude	LS	*New Rochelle, N. Y.*
Walsdorf, Leo John	LS	*New Holstein*
Walsh, Charles Ambros	GenC	*Janesville*
Walsh, R. J.	Pre-Med	*Janesville*
Walter, James Russell	LS	*Kendallville, Ind.*
Walter, Marjorie Barbara	LS	*Milwaukee*
Walters, Henry William	LS	*Athens*
Walters, Kenneth Neville	LS	*Evansville*
Wandrey, Raymond William	ExpC	*Forest Park, Ill.*
Wandrey, Walter William	LS	*Milwaukee*
Ward, John Dames	GenC	*La Crosse*
Warner, Greeley	GenC	*Claude, Tex.*
Warner, Marian Martel (SE)	PhysEd	*Coldwater, Mich.*
Washington, William Erskine	ExpC	*Chicago, Ill.*
Watrous, James Scales	LS	*Madison*
Weaver, Frank Marion	LS	*Riverside, Ill.*
Weber, Henry Christopher	LS	*New Holstein*
Weber, Robert Burghard	Pre-Med	*Milwaukee*
Webster, Dorothy Jane	LS	*Milwaukee*
Weinberg, Martin Morris	ChC	*Deerfield*
Weinstein, Beatrice Mildred	LS	*Minneapolis, Minn.*
Weinstein, Miriam Laverne	Mu	*Chicago, Ill.*
Weisfeldt, Louis Armond	Pre-Med	*Milwaukee*
Weiss, Martin Sidney	AA	*Milwaukee*
Welch, Adelaide Marie	LS	*Sutton, Nebr.*
Welk, Helen Gertrude	LS	*Columbus*
Weller, Dorothy Alberta	LS	*La Porte, Ind.*
Weller, Paul Markus	ChCC	*Park Ridge, Ill.*
Wells, George Washington	LS	*Tomah*
Wendt, Wilbur Ervin	LS	*Reeseville*
Wengel, Victor Emil	LS	*Marshfield*
Werner, Frederick Tiviton	LS	*Mount Horeb*
Wesendonk, George Hubert	ExpC	*Edgerton*
Wessel, Olaf Sodring	LS	*Madison*
West, Malcolm Wilder	LS	*Coloma, Mich.*
West, Robert Knowlton	Pre-Med	*Chicago, Ill.*
Wheelock, Elbert Keith	LS	*Rock Falls, Ill.*
Whitaker, Mary Elizabeth	LS	*Madison*
White, Dorothy (SE)	PhysEd	*Dallas, Tex.*
White, Eleanor Daley	LS	*Wilmette, Ill.*
White, Jane Marie	LS	*Chicago, Ill.*
White, Myrtle Alliene (SE)	AA	*Madison*
White, Mrs. Neta Maffit	LS	*Madison*
Whitford, Zella Elgine (SE)	AA	*Clinton, Iowa*
Wickersham, Donald Rex	LS	*Reedsburg*
Widman, Raymond Richard	LS	*Madison*
Wiegand, Luella Emma	LS	*Green Bay*
Wienke, Ivan Frank	LS	*Madison*
Wiesner, Francis Arthur	LS	*Wausau*
Wigdale, Edwin James	LS	*Wauwatosa*

Wigonitz, Julia	LS	*Madison*
Wilber, Helen Irene	LS	*Waupun*
Wilbur, George Hunt	GenC	*Waukesha*
Wilcox, Emery Charles	LS	*Altoona*
Wilde, Leslie Edward	Pre-Med	*Milwaukee*
Wildeman, Walter William	GenC	*Madison*
Wilgus, Sidney Dean	ExpC	*Rockford, Ill.*
Wilker, Abbie Mae	HygC	*Maquoketa, Iowa*
Wilkinson, Mary Chunn	LS	*Memphis, Tenn.*
Will, Bruce Wallace	ExpC	*Bertha, Minn.*
Will, Mrs. Muriel Robinson (SE)	LS	*Madison*
Willard, Lloyd Andrew	LS	*Peshtigo*
Willenson, Harold Maurice	LS	*Milwaukee*
Willenson, Lawrence Alvan	LS	*Milwaukee*
Williams, Edwin Carl	Pre-Med	*Antigo*
Williams, Eleanor Tryphena	LS	*Madison*
Williams, Fred Charles (SE)	PhysEd	*Antigo*
Williams, Henry Samuel	ExpC	*Spooner*
Williams, Keith	LS	*Juda*
Williams, Robert Klinkert	GenC	*Kenosha*
Williams, Thomas Malcolm	LS	*Madison*
Williams, Ward Harry	LS	*Madison*
Willis, Ralph Edward	Pre-Med	*Fond du Lac*
Willman, Margery	LS	*Kankakee, Ill.*
Willock, David Wallace (SE)	AA	*Chicago, Ill.*
Wilson, Eleanor Hazel	CH	*Madison*
Wilson, Elizabeth Winifred (SE)	PhysEd	*Green Bay*
Wilson, Ethel Bayne	ChC	*Evanston, Ill.*
Wilson, Eugene England	LS	*Virden, Ill.*
Wilson, Helen Sears	GrN	*Madison*
Wilson, John Curtiss	GenC	*Madison*
Wilson, Robert J.	LS	*Madison*
Winckler, Henry S.	LS	*Madison*
Wing, William Charles	LS	*Neenah*
Winsey, Helen Marion (SE)	AA	*Appleton*
Winter, Gerhard Edward	GenC	*Antigo*
Winter, Grace Marian	LS	*Tomah*
Wirick, Esther Florence	LS	*Madison*
Wiswell, Ruth Carpenter	LS	*Chicago, Ill.*
Witt, Isabel Mae	LS	*Detroit, Mich.*
Wittner, Oscar	LS	*Brooklyn, N. Y.*
Wittwer, Huldrich Rhinehart	LS	*Monticello*
Wixon, Davey Walter	LS	*Slinger*
Wolcott, Rolla Raymond	Pre-Med	*Madison*
Woldenberg, Amelia M.	AA	*Madison*
Wolf, Paul Joseph	LS	*New London*
Wolf, Rosalie Pauline	LS	*Terre Haute, Ind.*
Wolff, Genevieve Grace	LS	*Lake Mills*
Wolff, Hattie Hazel	LS	*Birmingham, Ala.*
Wolfgram, Robert Blaine	GenC	*Markesan*
Wolfson, Victor Eugene	ExpC	*Brooklyn, N. Y.*
Wolkimir, Morris Norman	LS	*Kenosha*
Wollenzien, Dale Charles	Pre-Med	*Milwaukee*
Wollaeger, Esther Elizabeth	LS	*Rockwell City, Iowa*
Wollin, Marion Ethel	LS	*Lake Mills*
Wolpert, Blanche Charlotte	LS	*Antigo*
Woodbury, Frank Ellsworth	LS	*Beloit*
Woodman, Richard David	LS	*Omaha, Nebr.*
Woods, Donald Ryan	LS	*Madison*
Wooster, Alburn Treat	LS	*Portage*
Wooster, Ralph Curtis	LS	*Eau Claire*

Work, Edith Frances	LS	*Barrington, Ill.*
Wormley, Gordon Wyneniz	ExpC	*Rockford, Ill.*
Worthing, Marion Witherbee	LS	*East Cleveland, Ohio*
Worthington, Dean Bradford	LS	*Beloit*
Wos, John Leonard	LS	*Beloit*
Wraight, Stanley Lee	LS	*Brodhead*
Wright, Carol Culver (Mr.)	LS	*Wausau*
Wright, Charles Harmon	LS	*Delavan*
Wright, Ellen Douglas (SE)	AA	*Oak Park, Ill.*
Wright, Paul Eric	LS	*Milwaukee*
Wuerzberger, Ruth Evelyn	LS	*Racine*
Wylie, Harold Marian	LS	*Madison*
Yates, Helen Evangeline	HygC	*Janesville*
Yolles, Anita Mildred	LS	*Milwaukee*
Yonts, James White	LS	*Milwaukee*
Young, Inez	LS	*Tulsa, Okla.*
Young, Leslie Howard	LS	*Reeseville*
Yudin, Harry	PhIV	*Marinette*
Yule, Don Lewis	LS	*Kenosha*
Zahn, Carl Jacob	LS	*Sturgeon Bay*
Zamzow, Donald Henry	PhIV	*Portage*
Zavitowsky, Genevieve Marguerite	LS	*Milwaukee*
Zebro, Albert	LS	*Racine*
Zeman, Marcella Alice	LS	*Milwaukee*
Zeratsky, John August	LS	*LaCrosse*
Ziegler, Muriel Beatrice	LS	*Chicago, Ill.*
Zilske, Robert Gustave	LS	*Appleton*
Zimmerman, Hope	AA	*La Grange, Ill.*
Zink, Donald Curtiss	LS	*Madison*
Zinn, Harold Henry	ChCC	*East Troy*
Zizmor, Judah	LS	*Brooklyn, N. Y.*
Zodtner, Arvilla Gerine	GrN	*Portage*
Zola, Stella Pearl	LS	*Two Rivers*
Zook, Imogene (SE)	PhysEd	*Adrian, Mich.*
Zuehlke, Clarence Gerhold	ExpC	*Mayville*

MUSIC

UNCLASSIFIED

Bauer, Mabel May	*Madison*
Becker, Alma Frieda	*Madison*
Coleman, Mildred House	*Madison*
Fargo, Floy B.	*Madison*
Fellows, Dorothy B.	*Madison*
Goodwin, Fannie Wood	*Madison*
Graham, Frances H.	*Madison*
Harmon, Loyd W.	*Belleville*
Langer, Louise A.	*Madison*
Mathys, Weta Leona	*Madison*
Mintfield, Daniel Clayton	*Madison*
Sanders, Alice Marie	*Madison*
Saunders, Isabelle Helen	*Madison*
Taylor, Mrs. Ethel Victoria	*Lincoln, Nebr.*
Wesenberg, Norma E.	*Madison*
Young, Opal Elmer	*Madison*

MEDICAL SCHOOL

FOURTH YEAR

Baldwin, Raymond M., B.S.	*Beloit*
Benn, Herbert Putnam, M.A.	*Medford*
Berg, George Oscar, B.S.	*Madison*
Clausen, Carl Theron, B.S.	*Bloomer*
Erickson, Milton Hyland, B.A. (G)	*Lowell*
Eschweiler, Paul Chadbourne	*Madison*
Goedecke, Raymond, B.A.	*Merrimac*
Haigh, Frederick Warren, B.S.	*Madison*
Hellebrandt, Frances Anna (LS)	*Madison*
Hemphill, Paul Hurley, B.S.	*Madison*
Hudson, Leo Arthur, B.S.	*Madison*
Leitz, Frank B., B.S.	*Madison*
Lundt, Milo Oliver, B.A.	*Madison*
Manz, Walton Robert, B.A.	*Eau Claire*
Millar, Malcolm Gray, B.A.	*Madison*
Mueller, C. Frederick, B.S.	*Chicago, Ill.*
Neubert, Albert Daniel (LS)	*Madison*
O'Brien, Harold Aloysius, B.A.	*Madison*
O'Malley, William Patrick (LS)	*Madison*
Perrin, Stuart Henry, B.S.	*Star Prairie*
Roach, Carrol Ewart (LS)	*Madison*
Rydell, Otto Ellwood (LS)	*Superior*
Schade, Robert Elmer, B.S.	*Milwaukee*
Spooner, Alexander Dwight, B.A.	*Lu Verne, Iowa*
Stanton, Ed Daniel (LS)	*Mitchell, S. Dak.*
Stratman-Thomas, Warren K., PhD.	*Madison*
Turkeltaub, Solomon Moses, B.S.	*Milwaukee*
Weeks, Frank Dana, B.A.	*Madison*
Wilson, Otis M., M.S.	*Madison*

THIRD YEAR

Aitken, Herbert Macgregor, B.S. (G)	*Bozeman, Mont.*
Ansfield, David Joseph, B.S.	*Milwaukee*
Bachhuber, Harold Alfred, B.A.	*Madison*
Bachhuber, Hugo Max, B.S.	*Medford*
Backus, Otto August, B.S.	*Plover*
Berwanger, Willard Jerome (LS)	*Oak Park, Ill.*
Bingham, Elmer McKinley, M.A.	*Milton*
Birkbeck, Norman John (LS)	*Gratiot*
Birnbaum, Isadore Richard, M.A.	*Milwaukee*
Blum, Otto Schindler, B.A.	*Monticello*
Caldwell, Ruth, B.A.	*St. Croix Falls*
Cole, Llewellyn Rathbun, B.A.	*Milwaukee*
Davis, Lawrence Chester, B.S.	*Richland Center*
Edwards, Paul Krueger (LS)	*Lancaster*
Emanuel, Karl William, B.S.	*Shawano*
Evans, Albert Ellis (LS)	*Racine*
Gronlund, Anna Augusta, B.A.	*Merrill*
Hansen, Arthur Chester, B.A.	*Racine*
Henke, Sam Lowell, M.S.	*Baraboo*
Hinckley, Robert George, B.S.	*Madison*
Hoel, Kenneth Paul, B.A.	*Baldwin*
Kandel, Ernestine Veronica, M.S.	*Oconto*
Katz, Samuel David B.S. (G)	*Marinette*
Lapp, Harry Delbert, B.S.	*Windsor*
Leinfelder, Placidus Joseph, B.A.	*La Crosse*
Mortenson, Otto Axel, B.S.	*South Milwaukee*

Pearson, Carlyle Roberts, B.S.	*Madison*
Rau, Gerald Albert, B.A. (G)	*Two Rivers*
Schriber, Paul W. (LS)	*Wilson*
Schutkin, Meyer Wellington, B.S.	*Milwaukee*
Sharp, Darrell Sidney, B.S.	*Neillsville*
Shebesta, Emil Michael, B.S.	*Cato*
Smith, Russell Carl, B.A.	*Fort Atkinson*
Stadel, Ernest Vernon, B.S.	*Bradenton, Fla.*
Tenney, Mary Jane, B.S.	*Madison*
Tessier, Alban Frances, B.S.	*De Pere*
Tjoflat, Oliver Eugene, B.A.	*Ettrick*
Vogel, Thorn Leo, B.S. (G)	*Milwaukee*
Vollenweider, Carlos Robert, B.S.	*Buenos Aires, Argentina*
Walsh, James Daniel, B.S.	*Mauston*

SECOND YEAR

Armburster, John L. B.A. (G)	*Milwaukee*
Atwood, David C., B.A.	*Madison*
Bahhuber, Francis G. (LS)	*Mayville*
Barnes, Harry Albert (LS)	*Milwaukee*
Beatty, Harry Parke (LS)	*Birmingham, Ala.*
Beebe, De Witt Clinton (LS)	*Sparta*
Blady, John Valentine (LS)	*West Allis*
Burdon, Thomas Sheldon (LS)	*Green Bay*
Casey, James Donovan (LS)	*San Benito, Tex.*
Conway, James Paul (LS)	*Madison*
Cummings, Earl Floyd (LS)	*Hawkins*
David, Milton Daland B.A. (G)	*Milton*
Dollard, James Edward, B.A.	*Madison*
Elkins, Oscar Melville (LS)	*Racine*
Epstein, Ely, B.A.	*Milwaukee*
Fein, Norman Nathaniel (LS)	*Milwaukee*
Fox, Meyer Simon (LS)	*Milwaukee*
Frechette, Francis M. (LS)	*Wisconsin Rapids*
Friske, Oscar Walter, B.A.	*Sparta*
Fuhlbrigge, Arthur Alfred (LS)	*Madison*
Furlong, Thomas Francis, Jr. (LS)	*Milwaukee*
Gopadze, Illarion I. (LS)	*Madison*
Green, Frank Clayton, B.A. (G)	*Milton*
Hahn, Anthony Charles (LS)	*Watertown*
Hand, O. Robert (LS)	*Minneapolis, Minn.*
Harris, Arthur J., B.A.	*Watertown*
Hull, Harmon H., B.A.	*Waupun*
Hutter, Adolph M., B.A.	*Fond du Lac*
Icks, Karl, B.S.	*Green Bay*
Kaska, Gordon John (LS)	*East Bray*
Keenan, Margaret, B.A. (G)	*Madison*
Kehr, Edwin Frank, B.A. (G)	*Watertown*
Kleinpell, Walter Carolas, B.A.	*Madison*
Knoefel, Peter Klerner, B.A. (G)	*Terre Haute, Ind.*
Krehl, William Homer	*Madison*
Kroyer, Theodore James (LS)	*Madison*
Kyhos, Emma Dowling	*Madison*
Lange, Eugene William, B.S. (G)	*Cedarburg*
Lavine, Israel H. (LS)	*Superior*
Lee, Howard James, B.A.	*Milwaukee*
Lemmer, Kenneth Elery (LS)	*Spooner*
Lilygren, Stella Irene (LS)	*Madison*
Margoles, Maxon Edward (LS)	*Milwaukee*

Marquart, Philip Butler, M.A. (G)	*Milton Junction*
McDonough, Kenneth Bernard, B.A.	*Toledo, Ohio*
Moffatt, John Stuart, B.A.	*Arpen*
Niebuhr, William August (LS)	*La Crosse*
Overton, James Bertram, Jr. (LS)	*Madison*
Owen, George Colville (LS)	*Racine*
Parker, Wilbert Howard (LS)	*Byron, Minn.*
Parkhill, Edith Muriel (LS)	*Rochester, Minn.*
Pescor, Michael James, B.A. (G)	*Hibbing, Minn.*
Petty, Louise Emily, B.A.	*Clinton, Iowa*
Quisling, Abraham (LS)	*Madison*
Ramlow, Leonard William (LS)	*Milwaukee*
Reznichek, Cyrus George (LS)	*Antigo*
Risteen, Wilford Arless, B.A.	*Chippewa Falls*
Rotter, Israel Irving, B.S. (G)	*Milwaukee*
Sannes, William Andreas (LS)	*Madison*
Schindler, John Albert (LS)	*New Glarus*
Schultz, Isador (LS)	*Milwaukee*
Scolten, Adrian H. (LS)	*Madison*
Shulak, Irving I. (LS)	*Detroit, Mich.*
Springberg, Joseph Charles (LS)	*Madison*
Steel, Marcella Reed, B.A.	*Milwaukee*
Stiles, John Alden (LS)	*Lake Mills*
Taylor, Gurney	*White Fish Bay*
Theisen, Harold Joseph, B.A. (G)	*Slinger*
Tuft, Warren Raiborn (LS)	*Milwaukee*
Urben, Walter John (LS)	*Madison*
Vogel, Henry Eugene (LS)	*Superior*
Wagner, David, B.A.	*Bloomville*
Waterman, Irl Lloyd (LS)	*Suring*
Watson, Eldon L., B.S.	*Madison*
Weissmiller, Lester Lee (LS)	*Monticello*
Wendt, Floyd August (LS)	*Lake Mills*
Willett, Dean (LS)	*West Allis*
Williams, David Leslie (LS)	*Madison*
Wirka, Herman Wenzel (LS)	*Madison*
Wiswell, Clifford Young (LS)	*Elkhorn*
Zelesnick, Carl (LS)	*Philadelphia, Pa.*

FIRST YEAR

Ackerman, Emmett Theodore (LS)	*Gays Mills*
Bachhuber, Alois Martin (LS)	*Mayville*
Berman, Fred A. (LS)	*Milwaukee*
Bertolaet, Elmer Edgar (LS)	*Manitowoc*
Bittner, William Amel	*Portland, Oregon*
Bonner, Nelson Alfred (LS)	*Beaver Dam*
Booher, John Alexander (LS)	*Madison*
Boyer, Samuel Huntington, Jr. (LS)	*Duluth, Minn.*
Caldwell, Donald Marion (LS)	*Rio*
Calkins, Charles Delevan (LS)	*Madison*
Chase, Curtis Waite (LS)	*Janesville*
Cheli, Clement Frederic (LS)	*Calumet, Mich.*
Christensen, Howard W. (LS)	*Madison*
Clark, Owen Clifford (LS)	*Madison*
Clark, William Elery (LS)	*Oshkosh*
Cole, David Frederich (LS)	*Sparta*
Dale, Frederick Bourette (LS)	*Madison*
Dasler, Adolph Fred (LS)	*Watertown*
Davies, May Aileen (LS)	*Madison*

Decker, John Joseph, Jr. (LS)	*Phillips*
Donkle, Milton Judson (LS)	*Milwaukee*
Faber, Charles Andrew (LS)	*Milwaukee*
Fechtner, Harold Herman (LS)	*Merrill*
Feldman, Harry (LS)	*Madison*
Fitchett, Laurence L. (LS)	*Janesville*
Frick, Charlton John (LS)	*Athens*
Gold, Morris Alan (LS)	*Milwaukee*
Grant, Claude Skaggs, B.A. (G)	*Milton*
Granzo, Herbert William (LS)	*Delavan*
Gruenberg, Herbert Matsner (LS)	*New York, N. Y.*
Hamre, Christopher J., M.S. (G)	*Blue Earth, Minn.*
Hansen, Horace John (LS)	*Glenbeulah*
Hanson, Leonard Orlando (LS)	*La Crosse*
Harrigan, Gerald Bernard (LS)	*Milwaukee*
Hatfield, Leslie W. (LS)	*Madison*
Hemphill, George Kenneth (LS)	*Madison*
Hering, Eugene Rudolph (LS)	*Shell Lake*
Herwick, Robert Port, B.S. (G)	*Connellsville, Pa.*
Hicks, Earl V., B.S.	*Sheboygan*
Hoffman, Erwin Frederick (LS)	*Wilton*
Hughes, Byron James (LS)	*Pardeeville*
Huth, Edgar William (LS)	*Milwaukee*
Izner, Bernice (LS)	*Milwaukee*
Kaiser, Lloyd Frick (LS)	*New Holstein*
Kautz, Erick (LS)	*Madison*
Kelly, Hobart Martin (LS)	*Milton Junction*
Kingsbury, Laurence Harry (LS)	*Turtle Lake*
Le Chause, Ralph Meyer (LS)	*Newark, N. J.*
Lee, Earl Reuben (LS)	*Cashton*
Leonard, Thomas Albert (LS)	*Middletown, Conn.*
Lifschutz, Leo Martin (LS)	*Brooklyn, N. Y.*
Linsley, Earl Curtis (LS)	*Madison*
Litzen, Floyd Laurence (LS)	*Elcho*
Lochen, Everett Lee (LS)	*Milwaukee*
Lockvam, Leif Henry (LS)	*Eau Claire*
Love, Ruth O., B.A.	*Madison*
McCarthy, Frank D. (LS)	*Ponca, Nebr.*
MacCollum, Daniel Wieting (LS)	*Manitowoc*
Maloof, George John (LS)	*Madison*
Marshall, Wallace Sydney (LS)	*Appleton*
Martin, Ronald Francis (LS)	*Madison*
Meili, Emmett August (LS)	*Alma*
Meister, Franklin (LS)	*Slinger*
Monroe, Maurice Eugene (LS)	*Hartford*
Morrison, Russell Caldwell (LS)	*Madison*
Morrow, Cecil Alfred	*Kenosha*
Muntz, Earl Russell (LS)	*Elgin, Ill.*
Newcomb, Charles Jones (LS)	*Waupun*
Ochsner, Clarence George (LS)	*Knowles*
Olson, Obert Henry (LS)	*Madison*
Owen, John Dale (LS)	*Phillips*
Paul, Norman Wesley (LS)	*Madison*
Pederson, Allen Jesse (LS)	*Milwaukee*
Perisho, Gordon Maxwell (LS)	*Streator, Ill.*
Pinegar, Kenneth George (LS)	*Marinette*
Plank, Lloyd Thomsen, B.S.	*Fond du Lac*
Pomainville, Harold George (LS)	*Nekoosa*
Pomanville, Leland Charles (LS)	*Nekoosa*
Quisling, Gunnar	*Madison*
Quisling, Ralph	*Madison*

Rice, Carol Margaret, M.A.	*Detroit, Mich.*
Roberts, David John (LS)	*Cambria*
Rosenow, Oscar Ferdinand (LS)	*Alma*
Sachtjen, Robert Merlin (LS)	*Madison*
Schmidt, Kennith Witwen (LS)	*Madison*
Schmiedicke, Paul Henry (LS)	*Manitowoc*
Schmitt, Alton Joseph (LS)	*Sheboygan*
Schrofer, Charles George (LS)	*Kenosha*
Schuster, Eugene Berkenwald B.A. (G)	*Milwaukee*
Schwittay, Addie M.,B. A.	*Pound*
Sheldon, John	*Kansas City, Mo.*
Skinner, Morgan Ellis (LS) (G)	*Waupaca*
Smith, Harry Hagen	*Chippewa Falls*
Stehr, Arthur Carl (LS)	*Madison*
Stowe, Harwood L. (LS)	*Madison*
Stubenvoll, Harvey Carl (LS)	*Shawano*
Sykes, Robert Hart (LS)	*Madison*
Tasche, John August, Jr. (LS)	*Sheboygan*
Taylor, Mrs. Zella Eileen (BS)	*Madison*
Thomas, Norman Goodsel (LS)	*Cobb*
Treskow, Frank G. (LS)	*Madison*
Van Doren, Bull Jessell (LS)	*Antigo*
Wall, Willard William (LS)	*Eau Claire*
Watts, Alice Dorothy (LS)	*Madison*
Weir, Earl Foster (LS)	*Waupun*
Welsch, John Michael (LS)	*Beaver Dam*
Whitford, Alan George (LS)	*Madison*
Winchell, Alexander Vaughn B.A. (G)	*Madison*

COLLEGE OF ENGINEERING

SENIORS

Alperovitz, Julius	CE	*Racine*
Anderson, Arthur Job, Jr.	CE	*Chicago, Ill.*
Anderson, Carl Gustav	EE	*Superior*
Anderson, Elmer	ME	*Ashland*
Anderson, Miriam	ME	*Milwaukee*
Anderson, Roger VanPelt	ChE	*LaGrange, Ill.*
Andrews, Charles Frederick	EE	*Madison*
Baker, John Gordon	ME	*Evansville*
Baker, William Robert	EE	*Janesville*
Bambery, James Edward	CE	*Austin, Minn.*
Bardeen, John	EE	*Madison*
Bartels, Arnold Theodore	EE	*Wausau*
Barton, George Lamont	ME	*Albany*
Beach, Gordon Leroy	EE	*Melrose*
Beck, Lawrence John	CE	*Racine*
Beemman, Kenneth Clark	EE	*Madison*
Bemis, Reginald Sherman	MinE	*Oshkosh*
Bischofberger, Carl Jacob	FE	*Medford*
Blanchard, Werner J.	ME	*Madison*
Bloxdorf, Walter Robert	ChE	*Kenosha*
Boerner, Thomas James	EE	*Port Washington*
Boldenweck, Leo F.	ME	*Chicago, Ill.*
Bowen, James Burdette	EE	*Cedar Rapids, Iowa*
Brigham, Robert Henry	CE	*Jump River*
Broecker, Arthur Frederick	EE	*Schofield*
Brown, Herbert Alfred	EE	*Holcombe*
Brown, Orlo Edgar	ChE	*Kenosha*
Buglass, Spencer Robert	CE	*Portage*

Bundok, Mariano Guzman	Engr	*Abucay, Batam, P. I.*
Burmeister, Robert August	CE	*Milwaukee*
Cahill, Walter D.	CE	*Port Edwards*
Cahoon, Roger	ME	*Baraboo*
Cameron, George Henry	MinE	*Oshkosh*
Campbell, Donald W.	ME	*Evansville*
Carrier, Earl Gardner	ME	*Essex Falls, N. J.*
Cassell, Henry Clay	CE	*Madison*
Ceaglske, Norman Hugo	ChE	*Merrill*
Chen, D. S.	EE	*Honan, China*
Christensen, Nephi Albert	CE	*Provo, Utah*
Christensen, Raymond Lavern	ME	*West Allis*
Cody, Richard John	ChE	*Evanston, Ill.*
Conry, Clifford Ellsworth	ME	*Janesville*
Cook, Maurice Stanley	ME	*Chippewa Falls*
Copeland, Ronald E.	CE	*Osage, Iowa*
Cuneo, Ataliva Angel	EE	*Pergamino, Buenos Aires*
Davy, Gordon William	ME	*Neshotah*
Decker, Andrew Hurlburt	EE	*Fond du Lac*
Demmon, Newton Keath	ChE	*Norfolk, Nebr.*
Derleth, Clark	ME	*Cottage Grove*
Dopp, John	ChE	*Madison*
Drake, Leslie Peter	EE	*Poynette*
Druse, John Benton	ChE	*Milwaukee*
Dempsey, Paul Douglas	ME	*West Chicago, Ill.*
Dubielzig, Richard Carl	EE	*Milwaukee*
Doescher, Ernest Bernhardt	EE	*Platteville*
Eastwood, Paul Robert	ChE	*Platteville*
Eckstein, A. Joseph	EE	*Milwaukee*
Edwards, William Henry	EE	*Barron*
Eggert, Erwin Henry	ME	*Milwaukee*
Elleson, Earl James	CE	*West Allis*
Erickson, Newell Lamont	ChE	*Mondovi*
Evinger, Hubert Harold	EE	*Terre Haute, Ind.*
Fairweather, Burton Albert	EE	*Sheboygan*
Farwell, Porter	ME	*Wells River, Vt.*
Felber, Henry John	EE	*Chippewa Falls*
Felch, Estel D.	EE	*Madison*
Feldhausen, Cyril Paul	EE	*Green Bay*
Fell, Paul Donald	CE	*Mayville*
Fischer, Nathan John	EE	*Jefferson*
Fisher, Maxwell Wynewood	CE	*Westfield*
Fitton, John Joseph	CE	*Madison*
Flugge, Sylvester	ChE	*Sarona*
Forrester, Jay Hartley	ChE	*Springer, New Mex.*
Frackelton, William Bright	EE	*Lead, S. Dak.*
Frazier, Arthur Henry	CE	*Manitowoc*
Fuldner, Walter Herman	EE	*Milwaukee*
Fulton, Donovan Harold	CE	*Beloit*
Galbraith, John Frank	EE	*Sawyer*
Goshaw, Percy Louis	EE	*Gary, Ind.*
Groenert, Lawrence Elmer	CE	*Prairie du Chien*
Grubb, Arthur William	EE	*Stanley*
Hahn, F. Critz	ME	*Cedar Rapids, Iowa*
Hale, William Henry	CE	*Vineland Sta., Ontario, Canada*
Hamel, Vernon Sidney	CE	*Oshkosh*
Hansen, Einar Theodore	ME	*Thorp*
Hanson, Karl Peter	ME	*Kaukauna*
Harker, Dave Leece	CE	*Argyle*
Hartenberg, Richard Scheunemann	ME	*Chicago, Ill.*
Hayden, Leland Hill	CE	*Apollonia*

Heath, Oliver Kyle	EE	*Amherst Junction*
Held, Wilmer Otto	CE	*Milwaukee*
Herro, Alexander Chris	ChE	*Oconomowoc*
Hersh, Marvin	CE	*Milwaukee*
Higgins, Arthur Kyle	MinE	*Madison*
Hilliard, Gordon Eagan	EE	*Baraboo*
Hillstrom, Clarence Edwin	EE	*Park City, Utah*
Holm, Clarence Carlyle	MinE	*Racine*
Isabella, Joseph James	CE	*Spooner*
Jacobsen, Einar Axel	ME	*Racine*
Jeffrey, Elton William	ChE	*Cuba City*
Johannes, Karl Frederick	ChE	*Merrill*
Johnson, Page Albert	CE	*Fond du Lac*
Johnson, William Norton Jr.	ME	*Germantown, Pa.*
Kashin, Gleb Leonidovich	MinE	*Karbin, China*
Kieweg, Homer	ChE	*Kewaunee*
Koebke, Edwin John	ME	*Manitowoc*
Koll, Elmer Henry	ChE	*Milwaukee*
Kratsch, Arthur Edward	ME	*Oshkosh*
Krenz, Adolph Bruno	ME	*Onalaska*
Krueger, Robert George	EE	*Milwaukee*
Kuehl, Carl Arthur	ChE	*Two Rivers*
Kuelthau, Hugo	ME	*Superior*
Kunz, Chester Anthony	ME	*Milwaukee*
Lawton, Charles Augustus	ME	*DePere*
Leach, Richard William	EE	*Burlington*
Lenz, Arno Thomas	CE	*Fond du Lac*
Ligh, David R.	ME	*New Darp, N. Y.*
Loeber, Carl Walter	EE	*Milwaukee*
Luchterhand, Emil	ChE	*Unity*
Lueck, Irving Buffum	EE	*Antigo*
Lueders, Bernhard Carl	EE	*Columbus*
McArthur, Robert Mills	EE	*Baraboo*
McDougal, Kenneth Ray	EE	*Madison*
Martin, Merlin Lawrence	EE	*Fond du Lac*
Mackin, Hugh Fuller	EE	*Madison*
Matthews, Charles William	CE	*Milwaukee*
Mattka, Frederick Albert	ME	*Appleton*
Maxham, Kenneth Edward	EE	*Reedsburg*
Menestrena, Lloyd Cyril	ChE	*Gile*
Merz, Henry Spencer	CE	*Milwaukee*
Metcalf, Ralph Howes	EE	*Webster Groves, Mo.*
Miller, Donald Edward	ME	*Chicago, Ill.*
Montgomery, Wardwell Bresee	EE	*Madison*
Moore, John Baumgardner	EE	*Orangeville, Ill.*
Morack, Marvin Melvin	EE	*New London*
Motl, Lawrence	EE	*Marshall*
Mueller, George Fred	ChE	*Milwaukee*
Mueller, George Jefferis	EE	*Milwaukee*
Mueller, Walter Frederick	EE	*Fountain City*
Murphy, William Beverly	ChE	*Appleton*
Neess, Carl J.	ME	*Milwaukee*
Neller, Richard Karl	ChE	*Appleton*
Nooker, Clyde Warren	EE	*Madison*
Nowack, David Carl	EE	*Watertown*
Oberland, Edward Emanel	ChE	*Manitowoc*
O'Laughlin, Michael Jerome	EE	*Randolph*
Oldenberg, Carl Robert	EE	*Wausau*
Paul, George Stewart	EE	*Northome, Minn.*
Paula, Milton Wallace	EE	*Chicago, Ill.*
Paustian, Albert Ferdinand	ChE	*Brillion*
Peters, Norman Julius	ME	*Plymouth*

Peterson, Wilbur Jerome	CE	*Madison*
Porter, Knight Cunningham	EE	*Chicago, Ill.*
Puelicher, Richard Thomas	EE	*Madison*
Reinke, Richard Eric	CE	*Milwaukee*
Rheineck, Alfred Edward	ChE	*Milwaukee*
Ricker, William John	EE	*Appleton*
Riplinger, Ellis Charles	ChE	*Riplinger*
Robarge, Royce William	EE	*Chippewa Falls*
Roberts, Hubert Hamilton	EE	*Cambria*
Romnes, Haaken	EE	*Stoughton*
Rosen, Clarence Oliver	EE	*Patosi*
Ruf, Harold William	CE	*Green Bay*
Runke, Glenn Romaine	ME	*Merrill*
Saari, Leonard Victor	EE	*Montreal*
Saari, Toivo Hjelmar	EE	*Montreal*
Sanborn, Wilfred Alden	CE	*Waupun*
Sargent, John Ace	EE	*Green Bay*
Schaefer, Norman Charles	ChE	*Platteville*
Schlistra, George Sydney	ME	*Kilbourn*
Schlondrop, Edwin	CE	*Milwaukee*
Schlundt, Hayes Coates	ME	*Evanston, Ill.*
Schaafs, Alexander Hubert	ME	*Byron*
Schulein, Joseph	ChE	*Rockford, Ill.*
Schutt, John William	ChE	*Madison*
Sellers, Andrew August	EE	*Alma*
Silver, Harold Squier	EE	*Madison*
Simons, Fred Adams	CE	*Madison*
Smallshaw, John	CE	*Milwaukee*
Smith, Harrison Albert	MinE	*Madison*
Smith, Ronald Rubin	ME	*Janesville*
Stephens, Clyde Kerwick	CE	*Montfort*
Stowers, James Caleb	ME	*Matchez, Miss.*
Straub, Richard Clarence	EE	*Superior*
Summeril, Franklin J.	CE	*Monroe*
Swansen, Theodore Lawrence	EE	*Milwaukee*
Taylor, William Russell	CE	*Milwaukee*
Thompson, David William	ME	*Ashland*
Thompson, John Gordon	CE	*St. Croix Falls*
Thomson, Cameron A.	EE	*Richland Center*
Tiedemann, Dimitry P.	EE	*Tientsin, China*
Toepfer, Adolph Herman	EE	*Beloit*
Toole, Roland E.	CE	*Madison*
Tratt, Francis Henry	EE	*Whitewater*
Tyler, Ransom	EE	*Milwaukee*
Walker, Robert Gaarder	ME	*Racine*
Waterman, Morris Chauncey	ME	*Barrington, Ill.*
White, Donald Owen	CE	*Chicago, Ill.*
White Herbert Louis	ME	*Milwaukee*
Whitmore, Harland William	EE	*Beloit*
Wiechers, Benton Thomas	EE	*Racine*
Wiechers, Federico Juan	EE	*Mexico City, Mex.*
Williams, John John	MinE	*Marquette, Mich.*
Wollaeger, Louis Adam	EE	*Milwaukee*
Wunsch, Benjamin Albert	EE	*Reedsville*
Yonker, Carl Clarence	CE	*Spring Green*
Zaborowsky, Adolph Joseph	ME	*Racine*
Zermuehlen, Herman Wm.	EE	*Two Rivers*
Zillmann, Donald Herman	EE	*Colby*
Zoellner, Alfred Mathew	MinE	*Waupun*
Zoerb, Frederick Cecil	ChE	*Madison*

JUNIORS, SOPHOMORES AND FRESHMEN

Adam, George Herman	CE3	*Arlington Heights, Ill.*
Adams, Milton	EE1	*Baraboo*
Agan, James Bernard	EE3	*Sparta*
Airis, Thomas	CE3	*Eau Claire*
Ajer, Oliver	EE3	*Boyceville*
Albertson, Frank Osborn	ME1	*Sioux City, Iowa*
Altpeter, Roger James	ChE1	*Baraboo*
Alusic, Joseph	EE2	*Racine*
Anderson, Delmar LeRoy	CE1	*Milwaukee*
Anderson, Herbert Noel	EE3	*Madison*
Anderson, Nels Kenelm	EE2	*Rice Lake*
Angrick, Roy	CE2	*Milwaukee*
Antoni, Earl Valentine	EE2	*Leland, Ill.*
Archie, Gustave Erdman	EE2	*Waterloo*
Ariens, Mando Steven	MinE3	*Brillion*
Armstron, Alva James	CE	*Ephraim, Utah*
Arpin, William Denis	CE1	*Two Rivers*
Ashman, George Robert	ME2	*Appleton*
Azpell, Edward William	ME3	*Milwaukee*
Assenheimer, Gerhard Carl	ME2	*Cudahy*
Aune, Clifford A.	CE3	*Rice Lake*
Aune, Walter Regmond	EE2	*Watertown*
Bailey, Charles Ransom	EE1	*Rice Lake*
Bailey, Robert Alexander	EE1	*Sarona*
Baillies, Duncan Sidney	CE3	*Minocqua*
Ball, Dean Grayson	CE2	*Madison, S. Dak.*
Ballard, Joseph J.	ME2	*Fort Worth, Tex.*
Bambas, Louis Ludwig	ChE2	*Richmond, Ill.*
Banks, Charles Thomas	EE2	*Jefferson*
Barden, Joseph William	EE3	*Wausau*
Barglof, Clifton Gustave	ME1	*Spencer, Iowa*
Barker, William Mortimer	ME1	*Crystal Lake, Ill.*
Barkausen, George Perry	ME1	*Green Bay*
Barron, Lester Stanley	ME1	*Cottage Grove*
Barton, Claire Auer	ChE3	*Durand*
Baumgartner, Arnold John	EE2	*Boscobel*
Bayley, Gilbert Grolling	ChE1	*Beaver Dam*
Becker, Elmer Fredric	CE2	*Milwaukee*
Beechel, Kenneth Ziprich	CE1	*Oregon*
Behlke, Edward Reginald	CE1	*Chicago, Ill.*
Behm, Wilfred Wahle	CE3	*Davenport, Iowa*
Beiles, Paul Lester	EE2	*Chicago, Ill.*
Bell, Almon LeRoy	EE1	*Racine*
Bell, John Craig	CE1	*Milwaukee*
Bell, John Stephen	ChE3	*LaGrange, Ill.*
Benesh, Alvin Henry	CE2	*Marshall*
Beran, John	CE3	*Muscoda*
Bergfors, Carl Arthur	EE1	*Marinette*
Bessert, John Ervin	CE2	*West Chicago, Ill.*
Betts, Robert Leland	EE3	*Lake Geneva*
Bidwell, Lloyd Herbert	ChE1	*Stevens Point*
Biebesheimer, John William	EE2	*Milwaukee*
Binish, Stanley Edward	CE3	*Green Bay*
Bird, Ralph Cranson	ME1	*Milwaukee*
Bischel, Harry William	EE2	*Madison*
Bistlin,e Clarence Herman	EE1	*Buda, Ill.*
Blanchar, John Eggleson	CE3	*Windsor*
Blencoe, Shirley Guy	EE1	*Madison*
Bliffert, Wesley Phil	CE3	*Milwaukee*
Blodau, Harry John	ChE2	*Madison*

Bohannon, James Reid	EE1	*Lebanon, Ind.*
Bolender, John Charles	CE3	*Monroe*
Bolliger, Theodore Carl	EE2	*Madison*
Borrud, Bertram Merton	CE2	*Stoughton*
Bossart, Otto Alois	ME3	*Madison*
Botham, Dorsey Lawrence	ME1	*Madison*
Bourkland, Walter N. H.	CE1	*Rockford, Ill.*
Boyce, Maxwell Herbert	ME1	*Wausau*
Brabender, Clifford Gifford	ChE1	*Peshtigo*
Brandt, Edward Charles	EE1	*Wausau*
Breiby, Norman	ME2	*Madison*
Brewer, Gordon W.	EE3	*Madison*
Brewer, Russell Theodore	EE2	*Viroqua*
Broome, George James	EE1	*Fontana*
Brotz, Roman	ME2	*Kohler*
Brown, George Harold	EE2	*Portage*
Brown, Maynard Oliver	EE2	*Fort Atkinson*
Brown, Robert Vaughan	ME3	*Beaver Dam*
Buehler, John Page	ME1	*Osage, Iowa*
Burbank, Fred Belding	ME1	*Sioux City, Iowa*
Burcalow, Frank Victor	CE1	*Monroe*
Burdick, William Eathen	ME3	*Monroe*
Burmeister, Wesley	CE3	*Middleton*
Bush, Edward Gardner	ME1	*Duluth, Minn.*
Bussell, Cecil William	EE3	*Necedah*
Byanskas, Edward Louis	CE1	*Chicago, Ill.*
Cady, Hayden Howard	ME1	*Green Bay*
Caldwell, Joseph Wallace	EE1	*Chicago, Ill.*
Calkins, Robert Spalding	CE2	*Chicago, Ill.*
Campbell, Charles James	EE3	*Janesville*
Campbell, George Louis	EE2	*Racine*
Canfield, Howard Lester	EE1	*Ann Arbor, Mich.*
Cappa, Lawrence Bart	EE3	*Lead, S. Dak.*
Carlan, Harry Julius	CE1	*Marinette*
Carlin, Thomas James	CE1	*Milwaukee*
Case, Wayne Warden	CE1	*Baraboo*
Catlin, John Blanchard	ChE2	*Appleton*
Caviezel, George Henry	CE1	*Pontiac, Ill.*
Chapin, Merrill Fred	EE2	*Brooklyn*
Chermak, Alvin Ray	CE2	*Manitowoc*
Christian, Edwin Arthur	EE3	*Milwaukee*
Chrysler, Maurice A.	EE3	*Madison*
Cleven, Paul Olaf	EE1	*Stoughton*
Cnare, Robert Francis	CE1	*Madison*
Cobine, James Dillon	EE1	*Madison*
Coe, Donald Omer	CE3	*Shelby, Ohio*
Coe, Wayne Warren	ME1	*Barron*
Coker, Theodore Roosevelt	ME2	*Beloit*
Colehour, James Kinney	ChE1	*Mount Carroll, Ill.*
Collbohm, Franklin R.	EE3	*Madison*
Colton, Harold Joseph	ChE1	*Superior*
Collbaugh, Richard Waldron	ME1	*Binghamton, N. Y.*
Cortright, Harry Miller	CE1	*Sandwich, Ill.*
Cowie, Alexander	ME1	*Mollance, Scotland*
Cox, Marvin Edgerton	CE3	*Milwaukee*
Crabb, Robert Charles	EE1	*Racine*
Crane, Aloise Berne	ChE3	*Adams*
Creutz, John Raymond	EE1	*Janesville*
Cromer, Orville Charles	ME1	*Madison*
Cross, James Fremont	ChE3	*Portage*
Crowe, Henry Joseph	EE2	*Appleton*

Cullinane, John Edward	CE3	*Madison*
Curran, George William	EE3	*Coloma*
Curtis, Robert Marshall	EE1	*Milwaukee*
Curtius, Robert Raymond	EE1	*Camp Douglas*
Czerwonky, Ralph Arthur	ME1	*Milawukee*
Dack, Mitchel Lester	EE1	*Bagley*
Daehn, Hugo August	CE1	*Horicon*
Dahl, Knut	EE2	*Oslo, Norway*
Dahlem, Vern Cornelius	EE3	*Madison*
Dahlman, John	CE3	*Milwaukee*
Damkoehler, Walter Louis	ChE1	*Oconto*
Dana, Donald Charles	EE2	*Waukesha*
Daniels, Charles John	ME2	*Chicago, Ill.*
Dasney, Charles Anthony	EE1	*Corning, N. Y.*
Daters, Everette George	EE3	*Cuba City*
Davidson, Morris Abraham	CE3	*Madison*
Davis, Aubrey James	EE1	*Martintown*
Davis, Howard Russel	CE1	*Mauston*
Day, William Theodore	CE3	*Pocahontas, Iowa*
DeVoe, Allen Walker	EE3	*Berlin*
Dewey, William Vernon	ME	*Lake Mills*
Dhein, Fred Herbert	CE1	*Madison*
Dickinson, Clarence Ralph	EE2	*Ashland*
Dille, Frederick Melvin	EE1	*Fond du Lac*
Dobrunz, Victor	EE2	*LaCrosse*
Dodge, Lawrence Allen	ME3	*Clintonville*
Dorff, Sol Ervin	CE1	*Milwaukee*
Dow, James Edgett	ME2	*Milwaukee*
Dreher, Irvin Joseph	EE1	*Ashland*
Drew, Sidney Dale	CE2	*Milwaukee*
Drow, John Theodore	CE1	*Tomah*
Dumphy, Donald Martin	EE1	*Sun Prairie*
Dutton, Orville Grant	EE1	*Beloit*
Duwe, Clarence John	CE1	*Madison*
Dymond, Clifton William	EE3	*Belvidere, Ill.*
Eastman, LeRoy Irons	CE1	*Lancaster*
Eastwood, LaVerne W.	MinE3	*Platteville*
Edwards, Harold William	ME1	*Warren, Ohio*
Egger, Glenn Milton	CE2	*Marshfield*
Egger, Oscar Otto	CE2	*Marshfield*
Eichmeier, Herman Christian	EE1	*Janesville*
Elston, A. C. Van	EE1	*Muscoda*
Emrich, John Delbert	EE1	*Glencoe, Ill.*
Engebretson, Angus Palmer	EE3	*Taylor*
Engleke, Robert William	ME3	*LaCrosse*
Engle, Clarence Edward	ME1	*Madison*
Engler, Pearl Leland	ME1	*Viroqua*
Ensinger, Lawrence Martin	EE1	*Marengo*
Erickson, Hugo	EE1	*Chicago, Ill.*
Erickson, Lloyd T.	EE2	*Clayton*
Erickson, Miles Lincoln	ME1	*LaCrosse*
Ericson, Roy Gustof	CE2	*Kenosha*
Erikson, Donald Maries	EE2	*Janesville*
Essock, Jack	EE1	*Whitewater*
Euclide, Francis Joseph	CE1	*Green Bay*
Evert, Frederick Vanzine	EE1	*Madison*
Every, Edward Malcolm	CE3	*Brooklyn*
Fairweather, Robert William	EE2	*Sheboygan*
Fell, William Brady	ME2	*Rockford, Ill.*
Felten, Howard Adam	ME3	*Milwaukee*
Ferber, Herbert James	EE2	*Chicago, Ill.*

Ferris, William Harold	EE1	*Madison*
Fey, Adolph Gustav Jr.	ChE1	*Ableman*
Fiebrantz, Raymond C.	CE3	*Milwaukee*
Field, Louise Olive	EE3	*Kilbourn*
Finch, Clayton Lindsay	EE3	*Sheboygan*
Finch, Leonard Emil	ChE1	*West Bend*
Fischer, Frank Allen	CE3	*Milwaukee*
Fish, Leonard Franklin Jr.	EE2	*Madison*
Flath, Herbert W.	EE2	*Plymouth*
Fleischer, Julius Maurice	CE3	*Macon, Ga.*
Forste, Fred Herman	EE1	*Trevor*
Fosdal, Fritchof	EE2	*Edgerton*
Foss, Clifton	EE3	*Sisseton, S. Dak.*
Foster, David Armitage	CE1	*Milwaukee*
Fowle, Merrill J.	ChE3	*Milwaukee*
Franzen, Hollis Fred	EE2	*Delavan*
Fredendall, Gordon Lyle	EE1	*Janesville*
Freiburger, George Vincent	CE2	*Hortonville*
Freyburger, Edwin	ME2	*Jackson, Mich.*
Friedl, Edward Clarence	ChE1	*Antigo*
Fritsch, Emery George	MinE2	*Spencer*
Fritz, Nicholas Henry	ChE	*Manistee, Mich.*
Frost, Donald Craig	EE1	*Rockford, Ill.*
Fucho, Philip Jr.	ME1	*Milwaukee*
Fulmer, Harold Thomas	CE1	*Athena*
Fyfe, Clayton	ME3	*Milwaukee*
Galfke, Walter Van	CE1	*Madison*
Gahnz, Alvin Frederick	ChE1	*Cochrane*
Gahnz, Elmer	EE2	*Cochrane*
Galineau, Howard Emerson	CE1	*Milwaukee*
Garlock, Robert George	EE3	*West Salem*
Garvens, Howard Louis	ChE3	*Wauwatosa*
Gehrke, Joseph Frances	ME1	*Manitowoc*
Geittman, Frederick John	ME3	*Watertown*
Genthe, Burt Arthur	ME2	*Milwaukee*
Gerlach, Harold William	ME3	*Belmont*
Gesteland, Alfred Ernest	EE3	*Janesville*
Gibson, Glen Willard	ME1	*Janesville*
Giese, Harlan LeRoy	EE1	*Portage*
Giron, Angel B.	ME3	*Phillipine Is.*
Glaessner, Lawrence Harold	CE2	*Milwaukee*
Goeltz, Walter Henry	ME2	*Milwaukee*
Goldstein, Mandel Nathaniel	EE3	*Kenosha*
Goodnough, David William	ME1	*Watertown, N. Y.*
Graetz, John Bertschy	CE2	*Milwaukee*
Grams, Franz Otto	EE2	*Genoa, Ill.*
Graves, Donald Elliot	EE1	*Spencer*
Greely, Willis Mirven	EE2	*Superior*
Green, Kenneth Henry	CE3	*Middleton*
Greiling, Robert Emerson	CE3	*Green Bay*
Grimmer, Elmer John	EE3	*Kaukauna*
Groenier, James Humphrey	EE1	*Lancaster*
Gross, Harold Lee	EE2	*Waukesha*
Grupp, Herbert Carl	CE3	*Mason City, Iowa*
Gschwindt, Richard Campbell	ME1	*Rockford, Ill.*
Guth, Sylvester Karl	EE2	*Whitefish Bay*
Haas, Herbert William	CE2	*Kaukauna*
Hagestad, Kenneth Homer	EE1	*Ettrick*
Hagon, Thomas Henry	EE2	*Drummond*
Hahn, Harold S. W.	CE3	*Milwaukee*
Height, John Thomas Jr.	CE2	*Rockford, Ill.*

Hamilton, Robert Clifford	EE3	*Arena*
Hamilton, Roger Alexander	EE2	*Clinton*
Hammer, Ferdinand	ME1	*Milwaukee*
Hansen, Ralph Leigh	ChE1	*Oconto*
Hanson, Edwin Marlow	EE2	*Chetek*
Hanson, Robert	EE3	*Superior*
Harder, Gordon Julius	EE3	*Beaver Dam*
Harper, Andrew Oliver	EE2	*Belleville*
Harper, Willis Howard	ME1	*Neenah*
Harris, Albert Emmanuel	EE1	*Baraboo*
Hart, Charles Kenneth	EE1	*Traverse City, Mich.*
Hasslinger, William Craig	ME1	*Hartland*
Hawker, John Carl	ME1	*Elgin, Ill.*
Heald, Eugene Hamilton Jr.	CE2	*Oak Park, Ill.*
Heberlein, Edward Garrett	CE2	*Milwaukee*
Heebink, Bruce George	ME1	*Baldwin*
Heim, P. Freeman	CE	*Madison*
Heimerl, Raymond Arthur	ME1	*Athens*
Hemmingway, Hugh Leroy	EE1	*Janesville*
Henderson, Charles Arthur	ME2	*Appleton*
Hendrickson, Alvin O.	ME1	*Black River Falls*
Henkel, Robert Henry	CE3	*Milwaukee*
Henrickson, Ralph	CE1	*Marengo, Ill.*
Hermansen, Evald	CE1	*Madison*
Hicks, William Ross	CE1	*Clifton Heights, Pa.*
Heilsberg, Alfred William	CE1	*Oshkosh*
Hill, Millard Milton	CE2	*Minocqua*
Hillis, Leonard Folsom	CE3	*Marinette*
Hinkel, Duane William	ME1	*Madison*
Hintz, Alfred Herman	CE2	*Fond du Lac*
Hoefle, Robert Adolph	CE1	*Chicago, Ill.*
Hoffman, Raymond F.	EE3	*Plymouth*
Hogan, Brayton William	ME1	*Clinton*
Holcombe, Daniel Harrison	EE1	*Beloit*
Holderness, Charles Cyril	CE1	*Kenosha*
Holterman, Vernon Carl	EE1	*Appleton*
Holz, Alfred Oddenbrett	CE1	*Seymour*
Honel, Carl John	EE1	*Tomah*
Hopkins, Kenneth Earl	ME2	*Morrisonville*
Hornig, Frederick Franklin	CE2	*Milwaukee*
Horsfall, Joseph David	EE3	*Patch Grove*
Housfeld, Emil	EE3	*Milwaukee*
Hove, Adolph Magnus	EE2	*Stoughton*
Hovey, John Vernon	CE1	*Madison*
Howard, Lewis Thurston	ME1	*Antigo*
Howdle, Frederic Earl	EE3	*Montfort*
Howe, Wilber Adelbert	EE2	*Beloit*
Howes, Edward William	EE2	*Oshkosh*
Hsu, Shih Chuan	EE2	*Fukien, China*
Hubbard, Frank Hobson Jr.	EE1	*Wauwatosa*
Hulten, Donald	MinE1	*Marinette*
Hunder, Marcus Benjamin	CE2	*Stoddard*
Hunzicker, Lyle Frederick	CE1	*Madison*
Hurtley, Greay	EE3	*Mondovi*
Huston, Frank Chandler	ChE1	*Chicago, Ill.*
Huth, Alton Malcolm	CE3	*Cochrane*
Hyland, Harvey George	ME3	*Horicon*
Hymer, MacRonald	EE1	*Potosi*
Ilker, Elmer Charles	EE1	*Milwaukee*
Iwert, Carl Edward	EE2	*Milwaukee*
Jackson, Robert Charles	EE1	*Madison*

Jaeger, Erwin Fred	EE2	*Antigo*
Jandacek, Emil James	CE1	*Phillips*
Janicki, Leo Casimir	CE3	*Milwaukee*
Jarvis, John Asa	ME2	*Janesville*
Jautz, Gilbert Joseph	EE3	*Milwaukee*
Jay, Kenneth Reeves	EE1	*Ladysmith*
Jentz, Gilbert Laurence	CE3	*Fond du Lac*
Jess, Gordon Fred	ChE2	*Milwaukee*
Jewell, Richard Glen	EE3	*Richland Center*
Johannsen, Albert Tate	ChE2	*Chicago, Ill.*
John, Herbert Augustus	ME2	*Milwaukee*
Johnson, Albion	MinE3	*Great Falls, Mont.*
Johnson, Arthur Morris	CE1	*Kenosha*
Johnson, Charles William	ME1	*Kenosha*
Johnson, Everett Arthur	EE2	*Elkhorn*
Johnson, John Arnold	EE3	*Chicago, Ill.*
Johnson, Orland Thayer	EE2	*Clintoville*
Johnson, Quenten John	CE2	*Superior*
Johnson, Stanley Charles	EE1	*Chicago, Ill.*
Johnston, Stewart Louis	EE2	*Antigo*
Joos, Martin	EE3	*Alma Center*
Jordan, Clarence	EE2	*Barneveld*
Jordan, Scott Brown	EE2	*Spring Green*
Jorgenson, Gerald August	ME2	*Racine*
Judson, Philip MacGregor	ME1	*Santiago, Chile, S. A.*
Junkermann, Charles Gustavus	CE3	*Milwaukee*
Jurevick, Charles	EE1	*Wilmot*
Justl, Otto John	ChE1	*Fond du Lac*
Kahlenberg, James Flynn	ME2	*Two Rivers*
Kang, Chen-Yu	CE1	*Washington, D. C.*
Karsten, Walter Fredrich	ME1	*Milwaukee*
Kasten, Bernar John	CE3	*Waupun*
Katz Jacob	EE2	*Chicago, Ill.*
Keegan, Russell William	ChE1	*Stoughton*
Keesey, Byron Russel	EE2	*Orfordville*
Kelley, Harold George	MinE2	*Chippewa Falls*
Kelly, Walter Eugene	ChE2	*Menasha*
Kemp, Frank Fred	CE1	*Milwaukee*
Kenney, James Jerome	ME1	*Thorp*
Kenney, Roger James	ME1	*Waunakee*
Kerns, Francis Edwin	EE1	*Cary Station, Ill.*
Kester, Francis Edward	EE1	*Greene, Iowa*
Kesting, Edwin Carl	CE3	*West Bend*
Ketelaar, William Bernard	ChE2	*Delavan*
Key, Glenn Lloyd	EE1	*Beloit*
Kieweg, Burton Reynold	MinE1	*Kewaunee*
King, Bernard Frank	CE2	*Watertown*
King, Harold Wright	CE1	*Madison*
Kinney, Harodl John	ChE2	*Madison*
Kirby, Melvin Himes	EE1	*Ashland*
Kittson, John Franklin	ME2	*N. Vancouver, B. C. Can.*
Klatt, Wesley Evans	ME3	*Waukesha*
Klehm, Harvey George	CE1	*Arlington Heights, Ill.*
Klettke, Arnold Julius	CE1	*Montello*
Knaak, Laurence Blaine	EE1	*Fall Rivers*
Knechtges, Oswald John	CE3	*Madison*
Knoll, Carl Alvin	CE1	*Milwaukee*
Koch, Lyle Keith	CE2	*Beloit*
Koehring, Robert	ME3	*Milwaukee*
Koenig, Clarence Herman	CE1	*Milwaukee*
Kolb, Elmer Robert	EE1	*Fort Dodge, Iowa*

Kolka, Karl Rheinholt	EE1	*Irma*
Koltun, Xavier Solon	ME3	*Mosinee*
Konowalski, Stanley Joseph	EE2	*Green Bay*
Kopan, Loryn Edmund	EE1	*Terreyville*
Kopecky, Stephen Thomas	ME1	*Wonewoc*
Koper, Henry John Jr.	EE1	*Kenosha*
Korfmacher, John Albert	CE3	*Cottage Grove*
Kortesma, John	EE3	*Brule*
Kosak, Leo Frank	ChE1	*Milwaukee*
Kramer, Maurice Frederick	EE1	*Janesville*
Krause, Daniel Edward	MinE3	*Wauwatosa*
Krause, Harold Ernest	ChE1	*LaCrosse*
Kraut, Ralph John	ME2	*Fond du Lac*
Kressin, Erwin George	CE1	*Milwaukee*
Kreutz, Arthur Rudolph	ChE3	*LaCrosse*
Kristof, Frank James	ChE2	*Racine*
Krueger, Charles Benjamin	EE2	*De Pere*
Kruke, Eugene Robert	EE1	*Port Washington*
Krycho, John Thomas	EE1	*Madison*
Kubasta, Robert William	ME2	*Milwaukee*
Kucznski, Paul T	EE2	*South Milwaukee*
Kuehlthau, William Anthony	EE2	*Superior*
Kuenzli, Daniel Henry	CE3	*Wauwatosa*
Kulp, John Herman	CE3	*Madison*
Kundert, Karl Hoehn	MinE1	*Madison*
Kurth, Joseph James	EE1	*Madison*
Kutzke, William Arthur	CE3	*Portage*
Kviatkofsky, Robert Joseph Jr.	CE1	*Racine*
Kwapil, Elmer George	EE1	*Columbus*
Lacher, Jack Hammitt	ChE2	*LaGrange, Ill.*
Ladwig, Frank Christian	CE1	*Wauwatosa*
Lamn, William George	CE1	*Milwaukee*
Landa, Henry C	EE2	*Phillips*
Langlykke, Asger Funder	ChE1	*Chicago, Ill.*
Larsen, James H	CE2	*Racine*
Larson, Lowell Austin	CE1	*Clintonville*
Lathrop, William Gordon	ME1	*Beloit*
Lavold, Lawrence Burdette	ChE1	*LaCrosse*
Lea, William III	ChE2	*Toledo, Ohio*
Leach, John Edward	EE2	*Burlington*
Lehman, John Winfield	CE1	*Sparta*
Leininger, William George	ME2	*Wayside*
Lemaire, Lawrence Vincent	ME2	*Rockford, Ill.*
Le Mense, Elmer Hubert	ChE1	*Oconto*
Lenchow, Henry John	CE2	*Burlington, Ill.*
Lester, John Aldrich	EE3	*Madison*
Lewis, Sanford Adolph	EE3	*Madison*
Lhotak, Rudolph Ferdinand	ME2	*Beloit*
Lidicker, Harold Clyde	CE1	*Milwaukee*
Lighty, Russell D	EE1	*Madison*
Lindeman, Walter William	ME2	*Milwaukee*
Lips, Howard Charles	CE1	*Arlington Heights, Ill.*
Liske, William Albert	ME1	*Pewaukee*
Lorentzen, Harry Adolph	EE2	*Janesville*
Lovelace, Ray	ChE2	*Woodford*
Lovewell, Cecil Elwyn	CE3	*Washington, D. C.*
Lucas, Joseph Albert	ME2	*Hartford City, Ind.*
Lucht, Harold Charles	CE3	*Racine*
Ludwigsen, Lester Lothard	EE3	*Bayfield*
Luebkeman, George Chris	CE2	*Eau Claire*
Lyons, Erwin John	ME1	*Madison*

Lyons, William Lewis	EE1	*Appleton*
McCaffery, Philip	MinE2	*Madison*
McCreary, Raymond Arthur	ME2	*Beloit*
McDonald, Neil	EE2	*Turtle Lake*
McEachron, Edgar Desnoyers	ME2	*Wausau*
McFarlane, Leon Alonzo	EE1	*LaCrosse*
McFarlane, Robert William	ChE3	*Janesville*
McGourty, Frances John	ME3	*Milwaukee*
McGovern, John Neilson	ChE3	*Milwaukee*
McGurn, William Edward	CE1	*Milwaukee*
McKey, James Donald	CE1	*Detroit*
McKee, Frank Joseph	EE1	*Madison*
McLane, John Daniel	ME3	*West Bend*
McLeod, Arthur Manning	CE2	*Madison*
McMillan, William Black	ChE1	*Arlington*
Mack, David Joseph	ChE2	*Madison*
Mackin, George Ellis	EE1	*Madison*
Mangnus, Louis Beaver	EE3	*Racine*
Manley, Robert J. T.	EE2	*Glendale, Ohio*
Manthe, Russell Herman	EE1	*Madison*
Markel, George DeWayne	EE1	*Rockford, Ill.*
Mars, Charles Victor	MinE1	*Marinette*
Marshall, Everett H.	EE2	*Hayward*
Marshall, Harold Oren	ChE1	*East Troy*
Marshall, John Russell	CE1	*Lake Forest, Ill.*
Martin, Harold Launer	CE1	*Wauwatosa*
Martin, James Edwin	ChE3	*Stevens Point*
Marting, Keith Carool	ME2	*Madison*
Martz, Guy Earl	EE3	*Milwaukee*
Matsen, Morris	ME2	*Oregon*
Matsen, Robert	CE2	*Oregon*
Matson, Carroll Howard	ME3	*Oregon*
Matthias, Franklin Thompson	CE2	*Curtiss*
Maxfield, Frederick Austin	EE3	*Milwaukee*
Mayer, Edward Franklyn	EE1	*Milwaukee*
Mead, Albert Jones	EE1	*Chicago, Ill*
Mead, Franklin Bradewood	CE2	*Madison*
Mehl, Herbert Hugo Francis Jr.	CE1	*Milwaukee*
Meier, James Emmet	CE2	*Waukesha*
Meisenheimer, Edward Albert	EE3	*Milwaukee*
Mercer, Gordon Robert	ME1	*Marshfield*
Meyer, Arnold	ME1	*Wauwatosa*
Meyer, Herbert Rudolph	CE3	*Fond du Lac*
Meyer, Ramond Fred	EE2	*Oconto Falls*
Milbrandt, Wilson	CE1	*Monticello*
Millard, George Earl	ChE3	*South Tacoma, Wash.*
Miller, Donald Jay	ME1	*Stanley*
Miller, George August	CE1	*Fairchild*
Miller, Harold Falkner	CE3	*Milwaukee*
Miller, Huguenin	ChE3	*St. Louis, Mo.*
Miller, Wesley Albert	ME1	*Oak Park, Ill.*
Millies, Arthur Herman	CE1	*Milwaukee*
Milton, Dale C.	CE1	*Hartford*
Mohr, Harvey William	CE3	*Milwaukee*
Monfried, Leon	ChE3	*Madison*
Morrison, Laurence Wilnor	EE3	*Milwaukee*
Mortensen, Martin Ferdinand	ME1	*South Milwaukee*
Moylan, John Norbert Jr.	CE2	*Chicago, Ill.*
Mueller, George Wallace	ME3	*Milwaukee*
Mueller, John Robert	ME2	*Milwaukee*
Muirhead, Robert Beith	ME2	*Elgin, Ill.*
Mulligan, Jack Kennedy	CE1	*Madison*
Murphy, Frank Albert	ChE1	*Appleton*
Myse, Daryal Arnold	ChE2	*Appleton*

Nathness, Semore Theodore	EE3	*Menomonie*
Neal, Maurice Martin	CE1	*Racine*
Nelson, Edwin Marvis	MEAdSp1	*Merrill*
Nelson, Paul	ChE3	*Cuba City*
Nelson, William Irving	ME1	*Madison*
Newlin, Charles Henr y	CE1	*Madison*
Newlin, John D.	CE1	*Madison*
Newman, William John	CE1	*Delton*
Nichol, Harry Alvin	EE1	*Madison*
Nichols, Charles Batcheldor	ME1	*Manitowish*
Nickles, Robert Jerome	EE1	*Madison*
Nickoll, Gerald Harry	CE2	*Milwaukee*
Nicolai, Albert Bernard	EE1	*Chippewa Falls*
Neilsen, Oscar Leonard	EE2	*Sparta*
Noack, Russell William	EE1	*Shiocton*
North, Stanley Henry	EE3	*Kohler*
Novak, Frank Edward	EE1	*New Rome*
Odbert, Eugene W. Jr.	EE3	*Sturgeon Bay*
Odegard Leo	EE1	*Bradley*
Ohnhaus, Gordon Edgar	ME1	*Madison*
Olsen, Harold Theodore	ME2	*Madison*
Olson, Harold Samuel	CE1	*Tomah*
Olson, Leif Oriville	CE1	*Blanchardville*
O'Neill, Arthur Norman	EE3	*Nekoosa*
Onsrud, Laurence John	EE3	*Stoughton*
Opsahl, Arthur	ChE3	*LaCrosse*
Orne, Nels Henry	CE2	*Madison*
Ostrem, Roger	ME2	*Madison*
Otis, Charles Kedzie	ME1	*Madison*
Overbaugh, Louis Henry	ME1	*Hartland*
Palo, Ernie Arthur	CE2	*Phelps*
Parker, Gerald Munson	EE1	*Davenport, Iowa*
Parry, William James	CE1	*Dodgeville*
Paschen, Clayton Fredric	CE3	*Chicago, Ill.*
Patrick, Henry Raymond	MluE1	*Vesper*
Patterson, Lester Robert	ChE1	*Evansville*
Patterson, Paul Edger	EE2	*Monroe*
Patterson, Ralph Homer	ChE2	*Wausau*
Patton, Lloyd Cornelius	EE2	*Green Bay*
Pautsch, Howard E.	CE1	*Milwaukee*
Pawlowski, John Anton	ME2	*Menasha*
Peleske, Leo William	CE3	*Superior*
Penn, William	ME1	*Monroe*
Peppard, Thomas Dennis	CE3	*Manitowoc*
Pepper, Theodore Byron	EE1	*Fort Wayne, Ind.*
Peters, Marlow Hugo	ChE1	*Antigo*
Peterson, Earl Dewain	EE1	*Madison*
Peterson, Eugene John	CE1	*Milwaukee*
Peterson, Russell Fredrick	ChE3	*Chicago, Ill.*
Phelps, Herbert Sylvester	EE3	*Beaver Dam*
Phillips, Gustave	ME3	*Milwaukee*
Piper, Jack Allan	MinE1	*New Holstein*
Platz, George Arthur	CE2	*Racine*
Plotz, Rezin Smith	CE2	*Omaha, Nebr.*
Popkin, Henry Raymond	ChE2	*Superior*
Porter, Harry Allen	EE2	*Highland Park, Ill.*
Poss, Robert Joseph	CE2	*Antigo*
Potter, Donald Debs	CE1	*Washburn*
Powers, John Cecil	ME2	*Milwaukee*
Pratt, Alden Cole	EE2	*Evansville*
Pratt, Leo Franklin	CE3	*Madison*

Pratt, Robert Humphery	EE3	*Milwaukee*
Pridmore, Harold Edward	ME2	*LaGrange, Ill.*
Pudil, Andrew John	ME3	*Milwaukee*
Quale, Irving Samuel	ChE2	*Madison*
Quinn, Charles Joseph	ME1	*Madison*
Quirino, Felix Vincente	EE3	*Manila, P. I.*
Raab, Kirby Hammond	CE2	*Milwaukee*
Raatz, William Gustave	EE2	*Oshkosh*
Raby, Warren Fletcher	CE1	*Shawano*
Radway, Lawrie Clinton	ME3	*Milwaukee*
Raettig, Clark Paul	EE2	*Antigo*
Ragatz, Eugene C.	ChE3	*Potosi*
Ramsey, Robert Henderson	MinE1	*Racine*
Ramsey, Torgeir	ME1	*Rockford, Ill.*
Rasmussen, Erving Walter	ChE3	*Marinette*
Rateike, Charles Frank	EE1	*Mount Prospect, Ill.*
Raymond, Reuben Jerome	ME1	*Madison*
Resan, Stephen Francis	ME3	*Racine*
Rex, Harland Earl	ME3	*Juneau*
Rexeisen, George Francis	EE1	*Minong*
Reynoldson, Jack	ME2	*Sioux Falls, S. Dak.*
Rhodes, John William	EE1	*Reeseville*
Rick, Thad Thomas	ChE3	*Milwaukee*
Rindsland, William Carl	CE2	*Milwaukee*
Roberts, John Roger	CE2	*Chicago, Ill.*
Robertson, Charles Bennett	EE3	*Janesville*
Roden, Philip Sharpe	MinE3	*Madison*
Roden, Robert	MinE3	*Madison*
Roeming, George Carl	CE2	*Milwaukee*
Rogers, John Willard	ME2	*Glen Ellyn, Ill.*
Rosenthal, Paul Hartwig	ME3	*West Allis*
Ross, Harold Edwin	ChE1	*Racine*
Rubin, Fred Carl	CE1	*Monroe*
Rudolph, George Arthur	ME1	*Oak Park, Ill.*
Ruger, Richard Lingle	CE1	*Wisconsin Rapids*
Rumpf, Harry Elbert	ME3	*Milton*
Ruoff, Albert Emil	ChE2	*LaCrosse*
Rusch, Edward Walter	ME3	*Marinette*
Rusch, Erwin Gustav	CE2	*Merrill*
Rutherford, Marvin Hughet	ME3	*Lake Mills*
Ryden, Roger William	ChE2	*Rockford, Ill.*
Saecker, Wesley Wright	EE1	*Menasha*
Sanders, Warren S.	CE2	*Neenah*
Sanner, Edward Reed	CE2	*Chicago, Ill.*
Santroch, Alvin James	EE2	*Luxemburg*
Sargent, Frederick John	EE2	*Madison*
Sargent, Harvey Charles Jr.	EE1	*Green Bay*
Sauer, Hans Charles	CE1	*Milwaukee*
Sawby, Irving Theron	CE1	*Port Angeles, Wash.*
Scantlin, Lawrence Paul Jr.	ME3	*Oak Park, Ill.*
Schacht, Bernhardt John August	EE3	*Augusta*
Schaid, Edgar	EE1	*Lebanon, Ind.*
Scheer, George Henry Jr.	EE3	*Sheboygan*
Scheer, John Winchester	EE2	*Sheboygan*
Scheiber, Arthur Valentine	ChE3	*Chicago, Ill.*
Schmedeman, Carl	MinE2	*Madison*
Schmid, George Conrad	EE2	*Neenah*
Schmidt, John Reik	EE3	*Stanley*
Schneeberger, George Washington Jr.	EE1	*LaCrosse*
Schnoor, Thomas William	EE1	*Two Rivers*
Schott, Andrew Fred	ME3	*Milwaukee*

Schroeder, Marlin Rufo	EE2	*Rib Lake*
Schubert, Gilbert William	ME2	*Watertown*
Schueler, Lyle Balthaser	ME3	*New Holstein*
Schugt, Arthur John Jr.	EE3	*Wausau*
Schulz, Vernie August	CE2	*Kendall*
Scott, Morris James	CE3	*Madison*
Seiler, Carl Albert	ME1	*LaCrosse*
Seitz, Frederick William	EE1	*Marengo*
Sellery, Harry Gilroy	EE1	*Madison*
Semrad, Ernest Frank	EE1	*Boscobel*
Sewell, S. Wayne	EE3	*Loveland, Colo.*
Seymore, Thomas Russell	ME3	*Milwaukee*
Shafer, Allen J.	EE3	*Stevens Point*
Shaw, Kenneth Eugene	CE1	*Waunakee*
Shepherd, Robert Andrews	ME1	*Appleton*
Sher, Abe Sryll	ME1	*Milwaukee*
Silcott, Clark Atwood	EE2	*Newton, Iowa*
Slightam, William Charles	CE1	*Madison*
Small, Alvan Leo	CE3	*Madison*
Smith, Harold Dutch	CE1	*De Pere*
Smith, Maxwell LeRoy	EE-	*Du Bois, Pa.*
Smitz, Louis Z	ChE3	*Chicago, Ill.*
Soderberg, Clyde Albert	EE2	*Iron River, Mich.*
Somerville, Harry Vickers	EE3	*Marinette*
Soper, Edward Clarence	EE1	*Monticello*
Sorenson, Gerhard Johan	CE1	*Westby*
Sowls, Homer Tillman	CE1	*Darlington*
Spicka, Edward Arthur	ChE1	*Adams*
Standorf, Royal Keith	CE1	*Bloomington*
Stangl, Andrew Kaylor	EE1	*LaCrosse*
Steckler, Norbert	ME1	*Milwaukee*
Steele, William Barr	ME1	*Salt Lake City, Utah*
Stephenson, Ronald George	MinE3	*Medford*
Stephenson, Theodore Elvin	CE2	*Blair*
Sterba, Melvin John	ChE1	*Elroy*
Stetson, George Leander	ME3	*Lake Mills*
Stevens, Roger Williams	CE3	*Kenosha*
Stoelting, Carl Robert	ME1	*Kiel*
Stokes, Hugh Leslie	EE3	*Elkhorn*
Stone, Ordell Edward	ME2	*South Range*
Strew, Albert Edward	CE1	*Two Rivers*
Stroinski, Bruno Charles	EE3	*Cudahy*
Sturznegger, Alfred Emil	ME1	*Kenosha*
Suehs, Andrew Mathias	EE3	*Luxemburg*
Sullo, Erwin Emil	EE1	*Milwaukee*
Swaback, Theodore Stanley	CE1	*Chicago, Ill.*
Swanson, Stanley Russell	EE2	*Stoughton*
Sweet, Alva Lafayette	EE3	*Tomah*
Sweet, Corlise Merton	ME2	*Merrill*
Swinney, Marcus Myron	CE1	*Dexter, Mo.*
Sylvester, Lyman Seymour	ME1	*Madison*
Taft, Bernard Edward	ME1	*Superior*
Teare, William Henry	EE1	*Menomonie*
Thiel, Richard V.	CE2	*Appleton*
Thomas, Calvin Dean	MEAdSp	*West Salem*
Thompson, William Erwin Jr.	CE1	*Madison*
Thrapp, Harrison Francis	CE1	*Chicago, Ill.*
Tiegs, Frederick, Louis	EE2	*Milwaukee*
Tiemann, Theodore Donald	MinE2	*Madison*
Toft, Douglas O.	EE2	*Racine*
Topham, Lyman Joseph	EE1	*Pardeeville*

Tordik, Joseph John	ChE1	*Chicago, Ill.*
Traiser, Martin Henry	EE3	*New Richmond*
Trieloff, Jennings Carl	CE1	*Fort Atkinson*
Troye, Hans Rusch	EE2	*Oslo, Norway*
Tuffnell, William Leslie	E2	*Paterson, N. J.*
Tuhns, Kenneth	CE1	*Viroqua*
Turner, Robert Glenn	EE2	*Hudson*
Turpin, Allan Forest	EE3	*Highland Park, Ill.*
Turpin, William Wesley	CE2	*Highland Park, Ill.*
Turton, Roy John	EE3	*Alma*
Tyler, Edward Melvin	EE2	*Milwaukee*
Uehling, Ulysses	ME2	*Wisconsin Rapids*
Van Vleet, James Goulden	EE2	*Milwaukee*
Van Akren, Ivar Gordon	E3	*Sheboygan*
Vater, George William	EE3	*Clinton Junction*
Veprek, Louis James (SE)	CE1	*Grayslake, Ill.*
Vidas, Edward George	ME1	*Kenosha*
Vilen, Frank Ilmar	CE1	*Kenosha*
Voigtman, Edward Hugo	ChE2	*Marinette*
Vrooman, Carll DeWitt	ME2	*Kansas City, Mo.*
Waite, Gordon Elliott	CE2	*Akron, Ohio*
Waite, Philip Homer	ChE1	*Evansville*
Walder, Oscar Albert	EE1	*Hanover, Ill.*
Walter, Erwin William	EE3	*Milwaukee*
Ward, Gerald Charles	CE3	*Madison*
Waskow, William Lorenz	CE1	*Milwaukee*
Watson, George Stanley	EE2	*Fond du Lac*
Watson, James Ellis	ChE1	*Appleton*
Way, William Edward	ME3	*Wausau*
Webber, Merton LaMont	CE1	*Madison*
Weber, John Carl	EE2	*Madison*
Weedy, James Elmer	ME1	*Tulsa, Okla.*
Wegman, Anthony Harold	ChE1	*Oshkosh*
Wegner, Ernest August	EE3	*Tomah*
Weghner, Earl Lawrence	EE1	*Milwaukee*
Wehmeyer, Arthur Henry	ME3	*Elkhart Lake*
Wehrle, Otto William	CE3	*Milwaukee*
Weiss, Albert Louis	ME1	*St. Louis, Mo.*
Weiss Edwin	CE2	*Kenosha*
Weisshappel, Bruno Joseph Henry	EE2	*Madison*
Wendt, Raymond Edgar	CE1	*Redfield, S. Dak.*
Wenger, Harold Arthur Edward	ChE1	*Madison*
Wertsch, Robert Streich	CE1	*Oshkosh*
Westerkamp, Wallace Gloede	MinE3	*Fountain City*
Westphal, Leslie Carl	EE3	*Randolph*
Wheeler, Earl Warren	CE1	*Beloit*
Wheeler, James Allen	EE1	*Viola*
Whipp, John Franklin	CE1	*Milwaukee*
White, Edward Emelin	CE1	*New York, N. Y.*
White, Frank Paul	CE1	*Milwaukee*
Wickesberg, Alfred Walter	CE2	*Appleton*
Wilcox, Frederick Brehmer	CE2	*Madison*
Williams, Donald Hooker	ME2	*Ann Arbor, Mich.*
Williams, Gordon Curren	CE1	*Ridlonville, Me.*
Williams, Harry Alfred	CE1	*Madison*
Wilson, Robert Edwards (SE)	CE1	*Chicago, Ill.*
Wilson, Walter Thiell	ME2	*Madison*
Winget, William Fulton	EE1	*Chicago, Ill.*
Winne, Oscar Harrison	CE3	*Honey Creek*
Wisniewski, Theodore Francis	ChE2	*Milwaukee*
Witte, Herbert Carl	ME1	*Watertown*

Wahlgemuth, John Francis	CE1	*Milwaukee*
Wolfert, Thomas Wilton	EE1	*Sheboygan Falls*
Woodford, Andrew Gram	EE1	*White Lake*
Woodward, Clifford Brooks Jr.	ME1	*Cincinnati, Ohio*
Woodward, Milton Albert	EE1	*Hartland*
Wootton, Clarence Jacob	CE2	*Merrill*
Wray, James Glendenning	EE3	*Wilmette, Ill.*
Wynn, Oliver Barbour	EE1	*Madison*
Yates, Charles William	EE1	*Janesville*
Yolton, Leslie	CEng2	*LaCrosse*
Youngs, Kenneth Wilson	ME3	*Milwaukee*
Zabel, Harold Herbert	EE1	*Montello*
Zastrow, Irvin Elmer	EE3	*Portage*
Zell, Walter Henry	EE1	*Augusta*
Zibell, Jerome William	CE1	*Waterloo*
Ziehlsdorff, Walter Curt	CE3	*Washburn*
Zilmer, Delbert Edward	CE1	*Monroe*
Zimmerman, Gordon Bushnell	ChE1	*LaGrange, Ill.*
Zukowski, Jacob Peter	CE1	*Thorp*

LAW SCHOOL

THIRD YEAR

Aberg, Donlan Vincent	*Shell Lake*
Albreche, Gilmon Fredrick	*Madison*
Aschenbrener, Edmund Lawrence	*Park Falls*
Barden, Lawrence A.	*Madison*
Barnett, Warren Wesley B.A.	*Indianapolis, Ind.*
Bast, Howard William	*Milwaukee*
Berglund, Maynard	*Superior*
Berkwich, Berthold Leon	*Milwaukee*
Brazy, Joseph Phillip	*Menomonee Falls*
Busby, Allen Joseph	*Milwaukee*
Cavanaugh, John Stephen	*Madison*
Clapp, Frederick Horton	*Madison*
Clarkson, Jack George	*Milwaukee*
Cranefield, Harold Alfred	*Madison*
Crutcher, William Henry	*Muskogee, Okla.*
Cundiff, Morris Harold	*Wichita, Kans.*
Daffinrud, Milnor Norris	*Coon Valley*
Damsheuser, Carl William B.A.	*Appleton*
Edwards, Oscar Mathew	*Lancaster*
Falk, Ola Nelson B.A.	*Lake Mills*
Farr, Merrill Rufus	*Eau Claire*
Fehlhaber, Orville Walter	*Wausau*
Foster, Frederick Kimball	*Fond du Lac*
Freytag, Elmer W.	*Chicago, Ill.*
Godfrey, Kneeland Allen	*Wauwatosa*
Goldstein, Julius	*Kenosha*
Gratz, George B.A.	*Milwaukee*
Greco, Charles	*Chicago, Ill.*
Grimm, Roscoe	*Jefferson*
Hardy, Julian Herbert B.A.	*Wilmette*
Hayes, Harold Edward	*Milwaukee*
Holmes, Robert Francis	*Baraboo*
Honeycombe, Kliment Leroy	*Madison*
Houck, John Howard	*Gibsland, La.*
Isaacson, Leon Erwin B.A.	*Madison*
Jackman, Willmarth L.	*Madison*

Jordan, Harry Thomas	*Hayward*
Kading, Charles Earl	*Watertown*
Katz, George	*Madison*
Kennedy, Dougold Fay	*Amery*
Kileen, Earl Francis	*Wautoma*
Kohl, John	*Marshfield*
Konnak, Harold A.	*Racine*
Kopp, W. Roy Ph.B. (G)	*Platteville*
Kramer, Max Theodore	*Milwaukee*
Krueger, John E.	*Milwaukee*
Larkin, George J.	*Sturgeon Bay*
Lenicheck, Harold Adrian	*Milwaukee*
Lewis, Helmar Ariel	*MacFarland*
Litow, Max	*Milwaukee*
Mathiowetz, Bernard Ferdinand	*Ashland*
Monte, Dominic Charles	*Milwaukee*
Moreland, Ernest S.	*Hayward*
Meyers, Sam Peter	*Racine*
Nelson, Frank Hubert	*Milwaukee*
Neprud, Lincoln	*Westby*
Olson, Harold D.	*Hudson*
Pekel, Herbert Ph.B.	*Winchester, Idaho*
Porter, Hawley Vinton	*Miles City, Mont.*
Prosser, Frederick Harold	*Wauwatosa*
Quilling, Albert L.	*Menomonie*
Quilty, Francis Cyril	*Madison*
Risberg, Earl Livingstone	*Cumberland*
Roberts, John Colin	*Madison*
Rogers, Harold B.	*Rhinelander*
Sapiro, Alfred Jack	*Milwaukee*
Schlosstein, Belmont Harry	*Cochrane*
Schmiege, Oscar John	*Appleton*
Schmitt, Leonard Frank	*Merrill*
Schutt, George A.	*Kendallville, Ind.*
Sheldon, William Alexander B.A.	*Lake Geneva*
Simester, Theodore Wesley	*Sheboygan Falls*
Sorensen, Norman O.	*Gillette*
Thompson, John X.	*Wauzeka*
Thorson, Sidney Reuben	*Madison*
Thurber, William Fogo	*Richland Center*
Van de Water, Henry Ph.B.	*Holmen*
Van Ostrand, Dexter Culver	*Madison*
Van Wagenen, James Henry	*Madison*
Wallrich, Matthew Michael	*Shawano*
Wible, Herbert Lloyd	*Elm Grove*
Williams, David Charles	*Madison*
Zuker, Benjamin	*Milwaukee*

SECOND YEAR

Adams, Ronald Maynard	*Eagle River*
Albert, Samuel Jack	*Detroit, Mich.*
Andrews, Charles Francis (LS)	*Rockford, Ill.*
Aune, Harold John	*Rice Lake*
Bares, Fulton Campbell Ph.B.	*Madison*
Becker, Edgar Edward	*Elkhart Lake*
Bonn, Melvin Francis	*Madison*
Brady, Frederick William	*Eau Claire*
Burdick, Hugh L.	*Lake Geneva*
Burmaster, Milton F.	*Milwaukee*
Burnjas, Frank	*Woodlawn, Pa.*

Butchart, Donald Alexander	*Waukesha*
Chappell, Kenneth Edward	*Belmont*
Charles, Lewis James	*Chetek*
Coakly, Maurice Parr	*Fond du Lac*
Cohen, Meyer Milton	*Green Bay*
Conroy, Jomes J. (SE)	*Superior*
Derber, Gordon Emerson	*Green Bay*
Derzon, Matthew R.	*Milwaukee*
Drechsler, Ronald Arthur	*Cedarburg*
Elmer, Randal J.	*Monticello*
Evans, Fred M.	*Madison*
Federer, Jacob Frank	*Sheboygan*
Finn, Edwin Alfred	*Salem, Ill.*
Forman, Joseph B.	*Milwaukee*
Gelin, Max	*Milwaukee*
Gold, Hyman	*Milwaukee*
Halverson, Helen Ione	*LaCrosse*
Harris, Warren H.	*Madison*
Heggestad, Roy C.	*Madison*
Herlache, Clifford Halstead	*Sturgeon Bay*
Hindin, Nathan	*Milwaukee*
Holstein, Leo Lawrence	*Milwaukee*
Hooper, William Stickney	*Oshkosh*
Huot, Francis Bernard	*Superior*
Kaner, Oscar Anthony	*Eveleth, Minn.*
Kay, Lorin Lester B.A.	*Milwaukee*
Kiessling, William Edward	*Jefferson*
Koltunski, Casimir Charles	*Milwaukee*
Kruger, William Frederick	*Athens*
Krug, Eugene	*Milwaukee*
Ladd, Royal E.	*Edgerton*
Lamboley, Harold H. J.	*Monroe*
Lausche, Howard William	*Madison*
Lenroot, Dorothy C.	*Superior*
Lieberman, Joe	*Milwaukee*
Linley, Victor	*Madison*
Long, John Le Roy	*Grafton*
Lubarsky, Blanche	*Milwaukee*
Ludwig, Richard Joseph	*Milwaukee*
Magnusen, Lewis Clayton	*Oshkosh*
Mettel, Maurice	*Milwaukee*
Moreland, Harley Oscar	*Hayward*
Morris, William Francis	*Washburn*
Munson, Earl Henry	*London*
Owens, Phillip	*Cambridge*
Oxman, Hyman Jack	*Milwaukee*
Polacheck, Allen	*Milwaukee*
Powell, Lyman Theodore Jr.	*Superior*
Rasmus, Ingolf Elies	*Chippewa Falls*
Risjord, Norman Edmund	*Ashland*
Rooney, John Magnus	*Madison*
Sand, Charles William	*Milwaukee*
Schuck, Harry M.	*Slinger*
Smart, Kenneth Edward	*Milwaukee*
Smith, Gilbert Joseph (LS)	*Milwaukee*
Stevvins, Walter W.	*Madison*
Stern, Harriet	*Kenosha*
Swan, George Campbell	*Beaver Dam*
Thomsen, Alva Anna	*Park Falls*
Thronson, Lowell Thomas	*Edgerton*
Torphy, Martin Joseph	*Milwaukee*

Treichel, William Charles (LS)	*Racine*
Voss, William Henry	*Madison*
Walstead, Elliot Noble	*Madison*
Weaver, F. Max (LS)	*Davenport, Iowa*
Wegner, Emil Fred	*Fond du Lac*
Weinberg, Philip	*Whitewater*
Westring, Clarence Alfred	*Milwaukee*
Wingert, Helen Bridge Mrs.	*Madison*
Winter, Gustav R. F.	*Antigo*
Worthing, Kenneth Elric	*Fond du Lac*
Zellin, Abraham Randolph	*Portage*

FIRST YEAR

Albrecht, Walter John	*Madison*
Backus, August Charles (LS)	*Milwaukee*
Bailey, Thomas Leland	*Richland Center*
Baker, Norman Julius (LS)	*Milwaukee*
Barstow, Barney	*Mondovi*
Barto, Clarence E.	*Madison*
Bensman, Maurice Ralph	*Milwaukee*
Berlowitz, Jerome M.	*Milwaukee*
Best, John Stevens (LS)	*Arlington Heights, Ill,*
Beuscher, Jacob Henry	*Milwaukee*
Black, George William	*Kaukauna*
Boardman, W. Wade	*New Richmond*
Boerner, Carl Francis	*Port Washington*
Bowen, Thomas Spencer (SP)	*Monroe*
Brown, William James	*Mount Horeb*
Bundy, William Henry (LS)	*Menomonie*
Cashman, John Richard	*Denmark*
Casper, Horst Franz Erich	*Madison*
Coffin, Gwen Tappen (LS)	*venda*
Conners, Nelson David	*Chippewa Falls*
Conrad, Guy Stanley	*Superior*
Cook, Leonard James	*Oshkosh*
Cooke, L. Osmun	*Appleton*
Crosby, Fredric William (LS)	*Neillsville*
Crownhart, Charles Henry (LS)	*Madison*
Dahlgren, Elmer George	*Rice Lake*
Davis, Jesse Clyde	*Altoona, Pa.*
Davis, Wilmer Wesley	*Racine*
Dawson, Gordon Eversz (LS)	*Milwaukee*
Egner, Chester Olai B.A. (G)	*Stoughton*
Frasche, Dean Frederic (SP)	*Madison*
Glassen, Harold Willis (LS)	*Madison*
Grabow, Lewis Phillip	*Detroit, Mich.*
Graunke, Walter Albert	*Wausau*
Green, Gene Lester	*Milwaukee*
Griesser, Paul Wilson (LS)	*Medford*
Griffith, William P.	*Oconomowoc*
Hardy, Louis Sarkis	*Racine*
Heany, Helen (SP)	*Ashland*
Hill, Harlad, H. (LS)	*Baraboo*
Hillyer, Frederick Fuller	*Indianapolis, Ind.*
Hirt, Arthur Franklin	*Altoona, Pa.*
Hoeffel, Harry Peter (LS)	*Appleton*
Hohman, Elmer E.	*Wausau*
Hughes, Ellis John (LS)	*Racine*
Hyne, Francis Forrest	*Evansville*
Iushewitz, Edward E.	*Milwaukee*

Jasper, Claude Joseph	*Beary, Minn.*
Kaermer, Frederick J.	*Oshkosh*
Kahn, Sol Jerome	*Chicago, Ill.*
Karn, James E. (SP)	*Madison*
Kelley, Carleton Edward	*Joliet, Ill.*
Klinger, Leo Joseph	*Cedar Rapids, Iowa*
Konkol, Edward J.	*Ashland*
Krueger, W. Marvin	*Milwaukee*
Larson, Raymond Emil	*Forestville*
Lauritzen, Richard Harding	*Eau Claire*
Lee, Lester Conrad	*Cashton*
Leigh, John Richard (LS)	*Chicago, Ill.*
Levin, Morris J.	*Milwaubee*
Lieberman, Morris	*North Milwaukee*
Limberg, Wayne	*Plymoth*
Luike, Blaine M.	*Madison*
Luehring, Fred Langlass	*West Allis*
Lundgren, Victor August	*Marinete*
Lungren, A. Marvin	*Omaha, Neb.*
McAndrews, Allan J.	*New Richmond*
McCaul, Thomas Frank	*Tomah*
McDonald, Donald P.	*Madison*
McKenzie, Edward Charles	*Turtle Lake*
Mainland, Kenneth Sinclair (LS)	*Madison*
Manser, Burton Rollin	*Appleton*
Marshall, Charles Arthur	*Madison*
Marth, George Robert	*Wausau*
Massey, Ambrose J. (LS)	*Walsworth*
Mattek, Ben William	*Deerbrook*
May, Arthur L.	*Neillsville*
Mayer, John Paul	*Milwaukee*
Mennen, Clifford John	*Milwaukee*
Meyers, Henry August	*Madison*
Miller, Godfrey James (LS)	*South Bend, Ind.*
Motley, Patrick Howard	*Marinette*
Moran, Dora Margaret (LS)	*Madison*
Morgan, Grace A.	*Spring Green*
Munson, Dexter Irvine (LS)	*London*
Murphy, Michael L.	*Manitowoc*
Nagler, Louis G.	*Osceola*
Neiswanger, William Addison M.A. (G)	*Madison*
Nitardy, Hilmar	*Verona*
Noetzel, Grover Archibald Joseph (G)	*Greenwood*
Nortman, Walter	*Milwaukee*
O'Brien, Anthony Emmell (LS)	*St. Joseph, Mich.*
Olson, Clarence V.	*Ashland*
Page, Harry Donald	*Madison*
Peterson, John Margenius (SP)	*Colby*
Peterson, Marshall Lee	*Ellsworth*
Patter, Dorothy May (LS)	*Madison*
Pray, Theron Palmer (LS)	*Ashland*
Rabinovitz, David	*Sheboygan*
Rector, James Ward	*Glenwood, Mo.*
Reed, William E. (SP)	*Sullivan*
Rennels, Lamont Naden	*Park Falls*
Rice, Marshall Allan	*Milwaukee*
Richter, Julius Edward	*Calvary*
Rikkers, Edward Hayes (LS)	*Waupun*
Riley, Laurance John	*Eau Claire*
Roberts, Paul E. (SP))	*Brooklyn*
Robineau, Dorothy	*Oshkosh*

Roe, Jack Ernest (LS)	*New York, N. Y.*
Schlutz, Foster	*Milwaukee*
Schmidt, Alfred Edward	*Columbus*
Schmidt, Edward Carl Jir.	*Sheboygan*
Seftenberg, Chester Dale	*Oshkosh*
Shefrin, Sol Stephen	*Phoenix, Ariz.*
Shovers, Marvin Jack	*Racine*
Silver, Norman B.	*Milwaukee*
Sinaiko, Jerome Joseph	*Madison*
Smieding, Henry Stuart	*Racine*
Smith, Rowena Elizabeth	*Rockford, Ill.*
Sprout, Harold Honce (G)	*Madison*
Squire, Lucius Alvin	*Madison*
Steensland, LeRoy James	*Blanchardville*
Stillman, Mead William (LS)	*Oshkosh*
Taras, John Gerhard	*Doylestown*
Thiel, Roy William	*Fond du Lac*
Thompson, Charles Thomas	*St. Croix Falls*
Thompson, Percival Eugene (SP)	*Chicago, Ill.*
Tice, Lawrence Willard	*Omro*
Tichochinsky, Ralph Maurice	*Arcadia*
Tollach, Hugh Livingstone (LS)	*Black River Falls*
Varnum, Robert George	*Hudson*
Wake, Van Buren	*Wisconsin Rapids*
Walter, John Arthur	*Claysburg, Pa.*
Wearing, George Raymond	*Mineral Point*
Weinke, Erwin August (LS)	*Sparta*
Wheeler, Ralph V.	*Kenosha*
White, Charles H.	*Madison*
Will, Fred	*Colemand*
Williams, Lewis Gomer	*Dodgeville*
Wittkopf, Allen Carl	*Oconto*
Youngerman, Ervin Isadore (LS)	*Milwaukee*
Zander, Eugene (LS)	*Two Rivers*
Zearing, Herbert Charles	*Madison, Ind.*
Ziegweid, Julian Anthony (LS)	*Hinsdale. Ill.*

COLLEGE OF AGRICULTURE

SENIORS

Abram, Fenton Neale (SE)	*Mount Hope*
Ableiter, Kenneth	*Fennimore*
Aebischer, Dale (SE)	*Chilton*
Barsch, Elmer Carl (SE)	*Oshkosh*
Bibby, Allen Lyle (SE)	*Ettrick*
Blahnik, Albert Roy (SE)	*Algoma*
Brackett, Richard Alfred	*Elk Mound*
Brown, Charles William	*Oshkosh*
Burgardt, Gerald Frederick	*Milwaukee*
Burgy, Fred Tschudy	*Monticello*
Butman, Burel Stark	*Galesville*
Butterworth Theron Harvey	*Glen Ridge, N. J.*
Cameron, Don Allen	*LaCrescent, Minn.*
Christapherson, Boyd Elmer	*Elk Mound*
Cleveland, Frank Clayton	*Chicago, Ill.*
Cook, Alonzo Charles	*Milwaukee*
Davis, Lester Thaddeus	*Rockford, Ill.*
Delwiche, Edmond	*Green Bay*
Edwards, Carl William	*Gleason*
Eves, Parvin B.	*Berwyn, Ill.*

Ferris, Robert Guye	*Harvard, Ill.*
Follett, Albert Oscar (SE)	*Genoa Junction*
Fortney, Thomas Kendahl (SE)	*Wheeler*
Gebhardt, Hans	*Baden, Germany*
Getz, Horace Raymond	*Madison*
Harris, Richard Anderson	*Avondale, Colo.*
Henry, Frank Emile (SE)	*Basco*
Hildebrand, Earl Martin	*Omro*
Holst, Eugene Christian	*Madison*
Holt, David H.	*Elkhorn*
Huber, Milon George	*Bangor*
Humphrey, George D. (SE)	*Madison*
Jacobs, John Ralph	*Mukwonago*
Jepson, Harold Henry (SE)	*Bear Creek*
Kingsbury, Elwood Ellsworth	*Turtle Lake*
Klement, Harlow Carl (SE)	*Fort Atkinson*
Kops, Herman Reinhart (SE)	*Unity*
Kuckuk, Herbert John (SE)	*Wausau*
Lathrop, Theodore Roosevelt	*Wauzeka*
Lewis, George Austin	*Kansasville*
Menz, Harold	*Waterloo*
Milne, William Nuzum	*Phillips*
Modrall, James Ritchie	*Madison*
Nelson, John Henry	*Dodgeville*
O'Neill, Peter Leroy	*Ridgeway*
Peterson, Lester Orlando	*Westby*
Popov, Sergei Mitrofan	*Madison*
Proctor, Robert Charles	*Union City, Ind.*
Pulley, Fred Heath	*Madison*
Raabe, Zenon	*New York, N. Y.*
Ray, Joseph Stephen	*Arena*
Roberts, Thomas Nathaniel	*Savannah, Ga.*
Rundell, Luther Franklin Jr.	*Livingston*
Sagen, Harry Edwin (SE)	*Washburn*
Schneider, Armin Daniel	*Beloit*
Schweers, Marvin Frederick	*Shawano*
Sill, Van Rensselaer Nicoll	*Baltimore, Md.*
Starkey, Roscoe Milton	*Richland Center*
Stelzer, Milton Fred (SE)	*Mishicot*
Stommen, Arthur Malcolm	*Greenwood*
Sumner, Charles B.	*Talladega, Ala.*
Teut, Edward Charles	*Burlington*
Volk, Garth William	*Oconto Falls*
Webb, John Wallace	*Oak Park, Ill.*
Weyker, Laurence Michael	*Dousman*
Wichelmann, William M.	*Somerset*
Wicker, Harold E. AdSp	*Madison*
Wilson, Perry William	*Terre Haute, Ind.*
Wolberg, Floyd Byron (SE)	*Iola*
Wu, Nien Chi	*Lampasritoz, Mex.*
Zellmer, Donald Ben	*Oshkosh*

MIDDLE COURSE

SECOND YEAR

Ford, John Bennett	*Black Earth*
Gordon, Clarence Everette	*Nelsonville*
McCure, Robert James	*St. Louis, Mo.*
Maresh, Joseph	*Carollville*
Weckel, Kenneth Grandville	*Canton, Ohio*

HOME ECONOMICS

SENIORS

Ackley, Margaret Thea	*Beloit*
Allen, Thelma Marguerite (SE)	*Harvey, Ill.*
Aller, Edna Betty	*Janesville*
Amlie, Rosalie (SE)	*Madison*
Ball, Mary Fales (SE)	*Fargo, N. Dak.*
Bingham, Barbara Frances	*Madison*
Bingham, Nancy Gladys	*Tomahawk*
Brown, Elsa Krolik	*Detroit, Mich.*
Burkman, Helen Marie	*Roscoe, Ill.*
Burnham, Mary Challoner	*Milwaukee*
Carmody, Helen Elizabeth (SE)	*Mount Hope*
Carpenter, Kathryn Pearl	*Chicago, Ill.*
Cate, Esther Elizabeth (SE)	*Stevens Point*
Chambers, Ruth Vernette	*Monroe*
Clark, Charlotte Ellen (SE)	*Janesville*
Cooper, Eleanor Laura	*LaGrange, Ill.*
Cowan, Martha Simmons	*Kansas City, Mo.*
Cudworth, Helen Mary (SE)	*Detroit, Mich.*
Cunningham, Isabel Ann	*Platteville*
Daskam, Adèle (SE)	*Antigo*
Dauer, Marion Alice	*Toledo, Ohio*
Davidson, Elizabeth Jean (SE)	*Grand Rapids, Mich.*
Dorgan, Catherine Cecilia (SE)	*Terre Haute, Ind.*
Draper, Marjorie	*North Freedom*
Ewertz, Elsie (SE)	*Milwaukee*
Fein, Sophie (SE)	*Milwaukee*
Filyes, Ruth Margaret (SE)	*Madison*
Fosbinder, Elizabeth Dorothy Ernst	*Ridley Park, Pa.*
Frankfurth, Elsa	*Milwaukee*
Galbraith, Dorothy May (SE)	*Oak Park, Ill.*
Gerhardt, Waida Gertrude (SE)	*Neenah*
Gibson, Dorothy Helen (SE)	*Lancaster*
Goggin, Lucile Margaret	*Madison*
Goldman, Beatrice	*Milwaukee*
Gustafson, Lois Marie (SE)	*Unity*
Hagerty, Ruth	*Chicago, Ill.*
Hainer, Henrietta Kanitz (SE)	*Sheboygan*
Hale, Mrs. Marjorie Eulalia (SE)	*Elroy*
Hemstreet, Ellen Amanda	*Elkhorn*
Heuer, Leone Anne	*Racine*
Hill, Freddie Mae (SE)	*Madison*
Hodgson, Emma Lorraine (SE)	*Mazomanie*
Hogue, Margaret Josephine (SE)	*Jackson, Miss.*
Huse, Lois G. (SE)	*Los Angeles, Cal.*
Hussa, Charlotte May (SE)	*LaCrosse*
Jacobson, Loreen Margaret (SE)	*Madison*
Jurgerson, Alvedia Viola (SE)	*Rio*
King, Dolores Lucy (SE)	*Benton Harbor, Mich.*
Larson, Kathryn Dorothy (SE)	*Madison*
Le Bosquet Lois	*Chicago, Ill.*
Lipman, Sadie Elizabeth	*Antigo*
Lundt, Gladys Marie	*Madison*
McCaffrey, Catherine (SE)	*Madison*
Marks, Catherine Eleanor (SE)	*Montfort*
Marshall, Marjorie	*Madison*
Matteson, Angela (SE)	*Milwaukee*
Meagher, Loretta Florence (SE)	*Fox Lake*

Meier, Eldena Fredricka (SE)	*Indianapolis, Ind.*
Meuli, Mildred Kathleen	*Chippewa Falls*
Meusel, Sarah Jane Lizetta (SE)	*Fond du Lac*
Morris, Edrys Fay (SE)	*Cambria*
North, Getrude Liela	*Detroit, Mich.*
O'Hora, Margery E.	*Mazomanie*
Oiseth, Alice Jeanette	*Rochester, Minn.*
Olson, Inez J. (SE)	*Blanchardville*
Owens, Mildred (SE)	*Wild Rose*
Peck, Joan Alice (SE)	*Herman, Minn.*
Pfluke, Eleanor Nina (SE)	*Detroit, Mich.*
Rickaby, Dorothea Alice	*Taylorville, Ill.*
Rooney, Helen Ruth (SE)	*Madison*
Royce, Katherine Elizabeth (SE)	*Platteville*
Running, Harriet Eleanor (SE)	*Viroqua*
Schmidt, Gertrude Margaret (SE)	*Monroe, Mich.*
Schneider, Nellie Jane (SE)	*Beloit*
Schulz, Esther LaVern (SE)	*Madison*
Schweers, Marie Augusta (SE)	*Milwaukee*
Schwingle, Pearl Manley	*Shawano*
Searles, Lorna Doone (SE)	*Brodhead*
Shanks, Eunice Katherine	*Canton, Ohio*
Shirk, Dorothy Carolyn (SE)	*Madison*
Stevens, Irene Mildred (SE)	*Grand Rapids, Mich.*
Struble, Margaret Jane	*Connellsville, Pa.*
Studeman, Jeanette Louise	*Madison*
Suess, Elizabeth Josephine (SE)	*Hudson*
Sylvester, Ruth Blanche (SE)	*Madison*
Taylor, Dona Grace	*Iola*
Trulson, Martha Fredricka	*Stoughton*
Wideman, Katherine Pauline (SE)	*Madison*
Wilcox, Dorothy	*Chicago, Ill.*
Wilkinson, Mary Josephine	*Oconomowoc*
Willis, Lorna Margaret (SE)	*Mendota*
Wright, Miriam Eugenie	*Delavan*
Zavitovsky, Marie Emeline (SE)	*Milwaukee*
Zeinet, Helen Elise (SE)	*Madison*
Ziebarth, Mary Laura	*Madison*
Zipse, Nellie Elizabeth	*Winslow, Ill.*

JUNIORS, SOPHOMORES AND FRESHMEN

Abrams, William J.	A3	*Mount Hope*
Adams, Eva	HE3	*Chicago, Ill.*
Adgate, Dorothy	HE2	*Wheaton, Ill.*
Agnew, Sarah Irene (SE)	HE1	*Rockford, Ill.*
Ahlgren, Henry Lawrence	A1	*Frederic*
Ainsworth, Mrs. Margaret Hart	HE2	*Madison*
Alton, Alice Bernice	HE2	*Linden*
Ammon, Eileen Mildred	HE1	*Madison*
Anderson, Albin Edward	A2	*St. Croix Falls*
Anderson, Clarence Frank	A1	*Antigo*
Anderson, Donald Adellon	A2	*Bear Creek*
Anderson, Eleanor Jefferson	HE2	*Milwaukee*
Andrews, Jennie Belle	HE1	*Hazel Green*
Antholt, Viola Louise	HE2	*Coleman*
Ash, Zora Irene	HE3	*Adrian, Mich.*
Aspnes, Agnes Marie	HE2	*Colfax*
Bailey, Howard Lewis	A1	*Baraboo*
Bailey, Marian Alice (SE)	HE3	*Stockton, Ill.*
Bain, Frank C.	A3	*Martinsville, Ind.*

Bakke, Ida Nelsena	HE1	*Deforest*
Bakken, Albert	A1	*Blue Mounds*
Bandoli, Harold Richard	A1	*Eau Claire*
Barden, Edwin Richard	A3	*Platteville*
Barndt, Orlin Kenneth	A1	*Milwaukee*
Bartness, Adolph C.	A2	*Rice Lake*
Bauer, Alice Louise	HE3	*Kilbourn*
Bauernfeind, Arthur Godfred	A2	*Sturgeon Bay*
Beals, Marjorie Belle	HE2	*Madison*
Beardmore, Mildred	HE3	*Oshkosh*
Beardsley, Irene Janette	HE3	*Bagley*
Bender, Matilda Kathryn	HE1	*Chicago, Ill.*
Bengson, Dorothy Emily	HE1	*Chicago, Ill.*
Bernard, Fred David	A1	*Sandwich, Ill.*
Beskow, Jacob Axel	A3	*Sattsjobaden, Sweden*
Beswick, Mildred Lola	HE1	*Madison*
Bey, Florence Leone	HE3	*Madison*
Bibby, Hollis William	A2	*Ettrick*
Biddick, Jeanette	HE1	*Livingston*
Birdsall, Benjamin Joseph	A3	*Sawyer*
Birong, Mary Elizabeth	HE1	*Madison*
Blakely, Ermina Adeline	HE3	*Fond du Lac*
Blase, Angeline Bertha	HE2	*Coleman*
Blihovde, Norman	A2	*Westby*
Bloom, Carol Ariel	HE2	*Butternut*
Bollerud, Florence	HE2	*Hollandale*
Boma, William	A2	*LaCrosse*
Borgen, Otto Harold	A1	*Dallas*
Borneman, Margaretha Catherine	HE3	*Elkhart, Ind.*
Bowers, George Vernon	A1	*Waupaca*
Bradsteen, Zillah Gurn	HE2	*Beloit*
Bremer, Gertrude Louise	HE1	*Marengo, Ill.*
Bridgeman, Reginald J.	A3	*Muscoda*
Briggs, Helen Octavia	HE1	*Madison*
Brisbane, Lucille Edna	HE3	*Madison*
Brisbane, Ramona Muriel	HE1	*Waupun*
Brolin, Harriet Kathryn	HE1	*Rockford, Ill.*
Bronson, Theo Earl	A3	*Elkhorn*
Brudos, Sylvia Jeanette	HE1	*Viroqua*
Bruhn, Hjalmar Diehl	A1	*Madison*
Bubbert, Walter Gustave	A2	*Milwaukee*
Bufton, Ray Evan	A1	*Viola*
Burkhardt, Martin Jacob	A2	*Plymouth*
Buth, Joyce Gertrude	HE1	*Green Bay*
Butler, Albert Manley	A2	*Beaver Dam*
Button, Milton Harold	A3	*Lone Rock*
Caldwell, Arlette Janet	HE1	*Morrisonville*
Callenbach, John A.	A2	*Virginia Beach, Va.*
Canas, Marcos Daniel	A2	*Pueblo, Mexico*
Carney, Loretta Catherine	HE1	*Kaukauna*
Carroll, Gaynold	HE2	*Reedsburg*
Carter, Donald Grounds	AMid1	*Brooklyn*
Cate, Harold Henry (SE)	A3	*New Glarus*
Chamberlin, Barbara Joan	HE1	*Dayton, Ohio*
Chandoir, L. George	A2	*Forestville*
Chase, Ellen Rowena (SE)	HE3	*Sun Prairie*
Cheng, Tsung, Hsien	A1	*Peking, China*
Chladek, Virgil William	A1	*Mount Horeb*
Christensen, Jean Margaret	HE1	*Mattoon, Ill.*
Chuse, Ellen Mary	HE3	*Oshkosh*
Cinkosky, John Edward	A2	*Mukwonago*

Clark, Harold George (SE)	A3	*Boscobel*
Clark, Ruth Elizabeth	HE2	*Janesville*
Clay, Lawrence Wadell	AMid1	*Bunceton, Mo.*
Cleland, Mary Charlotte	HE1	*Beloit*
Clement, Virgina Jeannette	HE2	*River Forest, Ill.*
Clements, Frank Emil	AMid1	*LaCrosse*
Comstock, Reginald Morris	A1	*Madison*
Cook, Marion Isabella (SE)	HE3	*Madison*
Cook, Violante Florence (SE)	HE2	*Sun Prairie*
Cooper, Betty Jane	HE2	*Palm Beach, Fla.*
Craig, George Irving	A2	*Oconomowoc*
Crane Georgia (SE)	HE3	*Salt Lake City, Utah*
Cromer, Helen Clark Mrs. (SE)	HE3	*Madison*
Curry, Richard Cook	A3	*Madison*
Cuthbert, Lucille	HE1	*Barron*
Davies, David Edwin	A1	*Wild Rose*
Davis, Alice Pauline (SE)	HE3	*Argyle*
Dawson, Margaret Wilse	A1	*Madison*
Day, Jean Constance	HE1	*Detroit, Mich.*
Dean, Caroline Mary (SE)	HE3	*Madison*
Delwiche, Joseph J.	A3	*Green Bay*
Deppe, Esther Alice (SE)	HE3	*Marshall*
Dermansly, Aileen Ophelia	HE2	*Barron*
Dernbach, Mary Ellen	HE2	*New London*
Dickie, Marianna Edith (SE)	HE3	*North Freedom*
Dirks, Hellmut George	A2	*Grandenz, Kilinsriego, Poland*
Dodge, Ruthella Osborne	HE3	*Madison*
Doner, Melvin Hazelton	A1	*Plymoth*
Doolan, Antoinette Marie	HE2	*Two Rivers*
Douglas, Arline Frances (SE)	HE2	*Wheaton, Ill.*
Doyle, Linus J.	A3	*Belleville*
Earleywine, Lora Marie	HE1	*Evansville*
Ebman, Marie	HE1	*Tomahawk*
Ehrler, Elizabeth Allis	A3	*Milwaukee*
Eichler, Hazel May	HE1	*Marengo, Ill.*
Eisert, Henry Frank	A1	*Chicago, Ill.*
Elkinton, Charles Moore	A1	*Madison*
Ellickson, Curtis Arthur	A3	*Arlington*
Ellison, Muriel Genevieve	HEAdSp1	*Peshtigo*
Erb, Walter	AAdSp2	*Belleville*
Erickson, Robert Marlow	A1	*Wheeler*
Eva, Maurine Lenore	HE3	*Ashland*
Evans, Mary Esther	HE1	*Oriskany, N. Y.*
Everson, Gladys June	HE1	*Lake Mills*
Eves, Arthur Corson	A1	*South Range*
Feeney, Elizabeth Mary	HE3	*Madison*
Feeney, Ann M.	HE2	*Madison*
Fender, Ira Nelson	A3	*Chicago, Ill.*
Fincher, Emmett John	A2	*Oregon*
Fink, Delmar Simon	A3	*West Allis*
Fischer, Rueben A.	A3	*Cleveland*
Fitch, Henrietta	HE1	*Madison*
Fitchett, Donald John	A1	*Janesville*
Fladen, Julia Hansine (SE)	HE3	*Deerfield*
Fosshage, Ernest Willard	A1	*Mount Horeb*
Francois, Marvin Joseph	AMid1	*Brooklyn*
Frank, Esther Elizabeth	HE3	*Fond du Lac*
Frank, Virginia Claire	HE2	*Cudahy*
Freed, Samuel Herbert	A2	*Chicago, Ill.*
Freitag, Willis Dietrich	A3	*Monticello*
French, Lutie Jean	HE1	*Madison*

Fuhrmann, Katherine Marie (SE)	HE3	*Dubuque, Iowa*
Fuller, Margaret Edith (SE)	HE3	*Madison*
Gallatin, Melvin Herman	A2	*Marshfield*
Gasser, Felicitas Jane	HE1	*Madison*
Gefke, Reginald Maxwell	AMid2	*Oregon*
Gericke, John C.	A1	*Lake Mills*
Gissal, Mary Louise	HE3	*Alton, Ill.*
Glascock, Ralph	A2	*Asher, Okla.*
Goldsworthy, Vernon Charles	A1	*Mineral Point*
Goodrich, Frank Allen	A1	*Chicago, Ill.*
Gorman, Catherine Grasse	HE1	*Madison*
Gottschalk, Elizabeth Black	HE1	*Milwaukee*
Graf, Edith Marie	HE3	*Mukwonago*
Granius, Frank Eugene	A1	*Brussels*
Grote, Ethel Chritine	HE2	*Van Horne, Iowa*
Grunow, Marian Elizabeth	HE2	*Madison*
Gwin, Clarence Martin	A3	*Madison*
Gwin, Donald James	A1	*Madison*
Haberkorn, Adena Margarita	HE1	*Ripon*
Hagestad, Kenneth Homer	A1	*Ettrick*
Hales, Myron Wallace	A1	*Poynette*
Hall, Elgin	A3	*McAlister, Okla.*
Hall, Lucille Mary	HE2	*Manitowoc*
Hardin, Arlet Arthur	A1	*Joliet, Ill.*
Hart, Katherine Mary	HE	*Waupaca*
Hartman, Roland Clarence	A3	*Milwaukee*
Hartmeyer, John H. Jr.	A1	*Madison*
Heggestad, Alma	HE2	*Hollandale*
Heider, Lillie Amelia	HE1	*Woodstock, Ill.*
Helz, Ruth Agnes	HE2	*Fond du Lac*
Henderson, George Robert	A2	*Mukwonago*
Henderson, Hazel Pricilla	HE1	*Madison*
Hendrickson, Adolph	A3	*Holmen*
Henry, Jerome Joseph	A3	*Basco*
Herrman, May Crystal	HE2	*Racine*
Heywood, Leland John	A2	*Stafford, N. Y.*
Hickox, Dan Whitney	A1	*Milwaukee*
Hildebrand, William N.	A2	*Omro*
Hill, John Dudley	AMid1	*Rosendale*
Hinze, Florence Margaret	HE2	*Elkhart Lake*
Hocking, Charles Henry	AAdSp2	*Whitewater*
Hodges, Mildred Adah	HE2	*St. Louis, Mo.*
Hodgson, Ralph Edward (SE)	A3	*Mazomanie*
Hoeberg, Marion Elvera	HE2	*Rockford, Ill.*
Hoehne, Julius Runkel	A2	*Greenwood*
Hogan, Robert John	A1	*Waunakee*
Holmin, Serena Dorthea	HE2	*Rockford, Ill.*
Holtman, Bernard Julius	A3	*Sheboygan*
Horn, Carolyn Murray	HE3	*Logansport, Ind.*
Horn, Eunice Ann (SE)	HE3	*Milwaukee*
Howard, George Field	A3	*Durand*
Howard, Paul Donald	A1	*Brodhead*
Howe, Henry Elias	A2	*Chicago, Ill.*
Howell, Basil Beverly	A3	*Fennimore*
Hubbard, Lloyd Fenner Jr.	A2	*Evansville*
Hubenthal, Homer H.	A3	*Belmont*
Hugunin, Roy John	A2	*Janesville*
Huibregtse, John William	A1	*Oostburg*
Humphrey, Glee Minaroa	HE3	*Patch Grove*
Humphrey, Margaret Louise (SE)	HE3	*Ironwood, Mich.*
Hunn, Howard James	A3	*Milwaukee*

Hunt, Ruth J.	HE2	*Chicago, Ill.*
Hussa, Lillian Elizabeth	HE1	*Bangor*
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Jewell, Lee Irving	A1	*Mineral Point*
Johns, Melva Davidson	HE2	*Milwaukee*
Jones, Florence Evelyn	HE2	*Merrimac*
Jones, Floyd Eben	A2	*Bangor*
Jones, Grant Roberts	A1	*Wales*
Josephson, Axel Edgar	A2	*Ashland*
Judson, Ione Belle	HE2	*St. Louis, Mo.*
Kanalz, Jack Paul	A3	*Milwaukee*
Karlen, Helen Inza (SE)	HE3	*Monticello*
Kelhofer, Grace Anna	HE2	*Madison*
Keller, Theon Jay	A2	*Prairie du Sac*
Kelley, Dar Denzil	AMid1	*Osseo*
Kelly, Eunice Emily	HE3	*Mineral Point*
Kielsmeier, Karl Fredrick	A1	*Seymour*
King, Earl Eugene	A1	*Brooklyn*
Kinon, Harold Laverne	A2	*Lake Mills*
Kirkpatrick, Elizabeth	HE2	*Sheridon, Wyo.*
Kiser, Hazel Lucille	HEAdSp1	*Topeka, Kans.*
Klawes, Anita Ruth May	HE1	*Rio*
Klein, Clarwin Elmer	A1	*Cochrane*
Klein, Thomas Albert	A1	*Waldo*
Kline, Bernerd E.	A1	*Sturtevant*
Kline, Lee	A3	*Sturtevant*
Klockow, Donald Louis	A2	*Twin Bluffs*
Klockow, Norma Catherine	HE1	*Twin Bluffs*
Knospe, Mildred Rose	HE1	*Alma*
Kohn, George	A1	*Medford*
Kowalczyk, Henry Chester	A2	*Fort Wayne, Ind.*
Krahn, Herbert Fred	A1	*Mayville*
Kronke, Adele Annamarie	HE2	*Milwaukee*
Kuesel, Marion Dorothy (SE)	HE3	*Milwaukee*
Kuester, Eddie Frederick	A2	*Greenwood*
Lacy, Estella Claire	HE3	*Madison*
Lalor, Philip Keeley	A2	*Madison*
Lankow, Jeanette Anna	HE1	*Buffalo, N. Y.*
Larson, Evelyn I.	HE1	*Blue River*
Lasse, Alfred Carl	A3	*Twin Bluffs*
Lathrop, Ruth Violet	HE1	*Wauzeka*
Leavitt, Charles Henry	AAdSp	*Sparta*
Lee, Dorothy Mary	HE1	*Milwaukee*
Lehrer, Sylvester Fredrick	A1	*Kaukauna*
Leuschke, Florence Rena	HE2	*Racine*
Lewis, Adelaide T.	HE2	*Kenosha*
Liebelt, Mansfield Richard	A2	*Phillips*
Lilly, John Henry	A1	*Madison*
Lockhart, Thomas Andrew	A1	*Mellen*
Lowe, Jessie Isabelle	HE2	*Algonquin, Ill.*
Lundberg, Berenice Kathryn	HE1	*Madison*
Lunde, Diderich Norman	A3	*Oak Park, Ill.*
Lupton, Hugh Sidwell	A1	*Madison*
Lurvey, Clayton Powell	A3	*Dousman*
Lynn, Helen Victoria	HE1	*Byron, Ill.*

Lubratovich, Milo Milan	A1	*Milwaukee*
McArthur Arthur Robert	A2	*Avalon*
McCarter, Janet Ruth	HE2	*Madison*
McCormick, William Leo	A1	*Muscoda*
McDonald, Gertrude Anna (SE)	HE3	*Madison*
McDougall, Elizabeth Irene	HE1	*Harvey, Ill.*
McFarlane, Jessie Jean	HE1	*Janesville*
McGovern, Isabel Avice	HE1	*Milwaukee*
McMillian, Gabriella Minerva	HE1	*Arlington*
Madigan, Mary Ellen	HE2	*Madison*
Mahnke, LeRoy Fredrick	A1	*Manitowoc*
Malcolm, Myrna Aldada	HE3	*St. Galesburg, Ill.*
Marks, Catherine Gertrude	HE3	*Madison*
Martin, Carleton Arthur	A1	*Oshkosh*
Martin, George Adolph	A2	*Bonduel*
Martin, Ruth Yarmo	HE2	*Chicago, Ill.*
Marty, Pauline Barbara	HE1	*Monticello*
Mason, Inez Lorretta (SE)	HE3	*Beaver Dam*
Menges, Claire Louise	HE3	*Madison*
Metcalf, Cecil John (SE)	A3	*Spring Green*
Meuli, Lloyd Joseph	A1	*Chippewa Falls*
Meyer, Christopher John	A3	*Wauwatosa*
Meyers, Cora Anne	HE3	*Grafton*
Milem, Matilda Lydia Lucile	HE2	*Madison*
Minshall, Lois Elizabeth	HE1	*Viroqua*
Mitchell, Mark Homer	A2	*Chicago, Ill.*
Moeser, Ruth Adien	HE3	*Port Washington*
Monroe, Ralph Powers	A2	*Antigo*
Moore, Margaret Anning	HE3	*Monroe*
Morissey, Harold James	A1	*Arena*
Munzner, Monroe	A1	*Chicago, Ill.*
Murray, Marcus Stanley (SE)	A3	*Sugar Bush*
Neitzel, Leona	HE3	*Oshkosh*
Nicholas, Ray Thomas	A2	*Williams Bay*
Nichols, John Levi	A2	*Hebron, Ill.*
Nicholson, Neal Carrington	A2	*Livingston*
Niebauer, Carl William (SE)	A3	*Phillips*
Niendorf, Donald William	A1	*Mazomanie*
Niendorf, Emma Louise	HE1	*Mazomanie*
Offutt, Juliet Thorp	HE2	*Ellwood City, Pa.*
Orr, Donald John	A1	*Madison*
Osmond, Margaret Ann	HE1	*Milwaukee*
Ostby, Lucille Maurine	HE1	*Memphis, Tenn.*
Overgard, Gumwald E.	AMid1	*Cashton*
Ovitz, Helen Margaret	HE2	*South Wayne*
Owens, Eleanor Henriette Mrs.	HE3	*Menomonie Falls*
Paine, Elizabeth	HE1	*Milwaukee*
Parlette, Zina Irena	HE3	*Marion, Ind.*
Parman, Genevieve Lea	HE1	*Athens*
Paulson, Robert Evans	A1	*Elkhart, Ind.*
Pavlak, Raymond	A1	*Bruce*
Pearson, Kathryn	HE3	*Miami, Okla.*
Perkins, Jane Elizabeth	HE2	*Dodgeville*
Perkins, John Wesley (SE)	A3	*Richland Center*
Perschbacher, Bernice Henrietta	HE2	*Kewaskum*
Peterson, Edith Janatha	HE1	*Kenosha*
Peterson, John William	A2	*Ephraim*
Peterson, Walter F.	A2	*Irma*
Pflieger, Margaret Mary	HE1	*Rothchild*
Phillips, Ruth Elizabeth	HE2	*Madison*
Pillar, Alvin Louis	A2	*Basco*

Plumlee, Elisabeth Moore	HE2	*Brooklyn*
Porter, Paul Andrews	A2	*Mukwonago*
Porter, Virginia Elizabeth	HE3	*Mukwonago*
Poynor, Florence Irene	HE1	*Waunakee*
Pratt, Sherrin Eugene	A1	*Loyal*
Prideaux, Theodore L.	A2	*Dodgeville*
Purves, Gwen Catherine	HE1	*Appleton*
Raccoli, Theodore	A3	*Milwaukee*
Raemisch, Hedwig Louise	HE3	*Madison*
Rankin, William	A2	*Forestville*
Ream, Howard William	A2	*Milwaukee*
Rebholz, Harold Edward	A2	*Portage*
Reed, Frieda Elizabeth	HE3	*Madison*
Reese, Arthur LeRoy	A1	*Mineral Point*
Reineck, Carmen Marie	HE3	*Elkhart Lake*
Renk, Wilbur Nicholas	A1	*Sun Prairie*
Reynolds, Florence Margaret (SE)	HE3	*Madison*
Reynolds, Garno Ida	HE1	*Madison*
Rheinheimer, Alice Martha	HE3	*New Kensington, Pa.*
Richards, Claire Irving	AMid1	*Waterloo*
Roberts, J. Harvey	A3	*Arena*
Roe, John Fulton	A1	*Crawford, Colo.*
Rohrer, Ellen Mae	HE1	*Cochrane*
Rohrer, Melva	HE3	*Alma*
Roosen, Marjorie Matilda	HE2	*Ontonagon, Mich.*
Ross, Merrill Francis	A1	*Belleville*
Rothermel, Arlow William	A3	*Madison*
Rothermel, Florence Katherine	HE2	*Kenosha*
Rothermel, Virginia Alice	HE1	*Plainfield*
Rowntree, Grace Louise (SE)	HE3	*Burlington*
Rust, Rudolph	A2	*Medford*
Sagen, Edwin Martin	A3	*Washburn*
Sazama, Frank Bernard	A3	*Colby*
Scarseth, Milton Bernhard	A1	*Ettrick*
Schaaf, Daniel Jr.	A3	*Spooner*
Schaefer, Anita Alma	HE3	*Thiensville*
Schaefer, Carl William	A1	*Osseo*
Schaeffer, Kathryn Edna	HE2	*Beardstown, Ill.*
Schaller, John	A2	*Barneveld*
Schantz, Edward Joseph	A1	*Sparta*
Schauer, Irene Louise	HE2	*Hartford*
Schernecker, Kathryn Caryle	HE2	*Madison*
Schilling, Veronica Marie	HE2	*Wausau*
Schafer, Kathryn Belle	HE1	*Menomonee Falls*
Schleck, Elizabeth S.	HE2	*Madison*
Schmelzkopf, Audrey Wilhelmina	HE3	*Madison*
Schmid, Bertha Magdalena (SE)	HE3	*Monroe*
Schmidt, Robert Milton	A1	*Madison*
Schneider, Georgina Elaine (SE)	HE3	*Monroe*
Schnurr, Carl Morgenroth	A2	*Kewaskum*
Scholl, Annette Marie	HE1	*Chicago, Ill.*
Schomberg, Doris Emilie	HE2	*Milwaukee*
Schroeder, Arthur Frederick	A1	*Antigo*
Sersted, Arthur Millard	A2	*Edgerton*
Serwe, M. Elizabeth	HE2	*Fond du Lac*
Setter, Ray Herbert	A2	*Deer Park*
Shallenberger, Dorothy Faith	HE1	*Chicago, Ill.*
Sherry, Otto Andrew	A2	*Viroqua*
Shoemaker, Elizabeth Ann	HE1	*Spring Lake, Mich.*
Skaife, Milton Joseph	A2	*Livingston*
Siemers, Arlyle Althea	HE2	*Madison*

Slingluff, Annie Virginia (SE)	HE3	*Oak Park, Ill.*
Smith, Arthur Wendell	A3	*Delavan*
Smith, Harlan Eugene	A3	*Syracuse, N. Y.*
Smith, Harold Clement	A1	*Milwaukee*
Smith, Juliana Jane	HE1	*Madison*
Smith, Merian Bradford	HE2	*Madison*
Smith, Myrtle Irene	HE1	*Linden*
Solis, Menalco	A3	*Panama, R. P.*
Sorum, Helen Margaret	HE2	*Hollandale*
Stallman, Claire Edward	A3	*Elk Mound*
Staud, Kathryne Ann	HE3	*Rochester, N. Y.*
Stauffacher, Dietrich Willis	A2	*Monticello*
Stein, Marjorie Mildred	HE2	*Cochrane*
Steinman, Gladys Marie	HE1	*Monticello*
Stephany, Marceline Katherine	HE3	*Milwaukee*
Stephens, Marie	HE3	*Deerfield*
Stewart, Jeanette Templeton	HE2	*Mazomanie*
Stiles, Laura Catherine	HE2	*Lake Mills*
Stogsdell, Mary Louise	HE1	*Mitchell, S. Dak.*
Stone, Fern Agnes	HE3	*Park Falls*
Stoppenbeck, Frances Elizabeth	HE1	*Slinger*
Storey, Jessie Searle	HE2	*Madison*
Straus, Roy L.	A1	*Marshall*
Stroebel, Victor Leonard	A2	*Fort Atkinson*
Strom, Lawrence	A1	*Milwaukee*
Stubbs, Merl Wesley	A1	*North Prairie*
Suddard, Frances Rose	HE3	*Two Rivers*
Sweet, Esther Ruth	HE1	*Madison*
Taggart, Virginia Ruth	HE3	*Spencer, Iowa*
Taylor, Vern Osborn	A3	*Iola*
Templin, Roy Albert	A2	*Baraboo*
Thompson, Harriet Adelia	HE3	*Madison*
Thomsen, Louise Caroline	HE3	*Fond du Lac*
Thomson, Helen Elizabeth	HE2	*Richland Center*
Tiffany, Albert John	A2	*Antioch, Ill.*
Torkelson, M. O. Janette	HE3	*Merrill*
Towers, Lewis McLush	A3	*Portage*
Town, Edna May	HE1	*Shiocton*
Traastad, Gladys Ruth	HE3	*Viroqua*
Trenary, Orville John	A3	*Belmont*
Trewyn, Lawrence Gilbert	A1	*Genesee Depot*
Truesdale, Esther Lillian	HE2	*Twin Bluffs*
Trumbull, Edna (SE)	HE3	*Rockford, Ill.*
Ullstrup, Arnold John	A3	*Hartland*
Vance, Harriett Josephine	HE2	*Racine*
Vanevenhoven, Valery Dorothe	HE1	*Kaukauna*
Van Hagan, Ethel Jean	HE2	*Madison*
Vilbrandt, Carl William	AAdSp1	*Madison*
Voeglie, Fred	A3	*Belleville*
Volk, Gaylord Monroe	A1	*Oconto Falls*
Wachsmuth, Irene Helen	HE2	*Bayfield*
Weaver, Eleanor Marie (SE)	HE3	*Janesville*
Wald, Allen George	A1	*Alma*
Webster, Jean Elizabeth	A3	*Columbus*
Weeman, Mary Elizabeth	HE2	*Shawano*
Weesner, Elizabeth Ann	HE1	*Marion, Ind.*
Weisensel, Doris Ann	HE1	*Sun Prairie*
Wells, Mary Virginia	HE1	*Oak Park, Ill.*
Wendt, Robert Charles	A1	*Madison*
Werner, George McKinley	A3	*New London*

Wiig, Gladys Bagley	A3	*Osseo*
Wilcox, Donald Ephraim	HE2	*Madison*
Williams, Humphrey L.	A2	*Oshkosh*
Wilson, Nellie Rose	HE3	*Madison*
Wilson, William Nixon	A1	*Cincinnati, Ohio*
Wisch, Herbert Fred	A2	*Jefferson*
Woelfel, Oscar George	A2	*New Holstein*
Wojta, Alfred Joseph	A2	*Madison*
Wolberg, Norman Wilfred	A1	*Iola*
Woltman, Marie Hannah	HE2	*St. Paul Minn.*
Wormeli, Benjamin Cholseth	A3	*Cambridge*
Worzalla, Wallace W. (SE)	A3	*Plover*
Wuethrich, Werner Samuel	A1	*Doylestown*
Yelinek, Homer Milton	AMid1	*Livingston*
Young, Anna Sylvia	HE1	*Wausau*
Zoerb, Carl Rudolph	A2	*LaCrosse*
Zwolanek, Helen Katheryn	HE2	*Beloit*

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Moeck, Arthur Henry Ph.B., University of Wisconsin	*Blanchardville*
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Moffat, Fred Lake B.S., Detroit Teachers College	*Detroit, Mich.*
Morgenson, Annie Martha M.A., University of Nebraska	*Fullerton, Nebr.*
Mohat, Haldor Ray B.S., Ohio State University	*Jackson, Ohio*
Monier, Howard Brandon B.S., Pennsylvania State College	*Berea, Ky.*
Monk, Vivian (G) M.A., University of North Carolina	*Cherokee, Ala.*
Montgomery, Loy C. B.A., Franklin College	*Marshfield*
Moore, Olive Marie B.A., College of Emporia	*Emporia, Kans.*
Moran, Eleanore Kathleen B.A., Trinity College	*Superior*
Moran, Wilson A. Ph.B., University of Wisconsin	*Onalaska*
Morgan, Ellsworth Andrews (G) M.A., University of Wisconsin	*Madison*
Morgan, Mildred B.S., University of Missouri	*Kansas City, Mo.*
Morley, Clyde Anson (G) M.A., University of Wisconsin	*Madison*
Morrill, Lester M. (G) Ph.B., University of Wisconsin	*Sparta*
Morris, Glenn Lloyd B.A., Oklahoma University	*Madison*
Morstad, Alexander E. B.A., University of Wisconsin	*Laona*
Moser, Fred Joseph Ph.B., University of Wisconsin	*River Falls*
Mott, Margaret Burling (G) B.A., Vassar College	*Pittsburgh, Pa.*
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Muirhead, Frank Arthur B.A., University of Wisconsin	*Eyota, Minn.*
Murphy, Elizabeth Hazel B.A., University of Wisconsin	*Delavan*
Murphy, Leah Elizabeth B.A., Marion College	*Marion, Ind.*
Meyers, Paul B.A., Central Normal College	*Bloomingdale, Ind.*
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B.A., University of Wisconsin
Nelson, Tyra H. — *Superior*
B.A., University of Wisconsin
Neprud, Carl — *Coon Valley*
B.A., University of Wisconsin
Newell, Lynn Fields — *Oshkosh*
B.A., University of Wisconsin
Newman, Chester Davis — *Milwaukee*
B.A., Milton College
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B.A., Lawrence College
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B.A., University of Wisconsin
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B.A., Oxford College
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Nowak, Joseph Wencel — *Kewaunee*
B.A., Lawrence College
Nowell, Margaret — *Columbia, Mo.*
B.S., University of Missouri
Nyberg, Elmer Edward — *Pepin*
B.A., Macalester College
O'Brien, George Harrison — *Auburndale*
B.S., University of Wisconsin
O'Brien, George Marshall — *Columbus*
B.A., University of Wisconsin
Oetting, Alice Gaines — *Fremont, Nebr.*
B.A., Midland College
Oetting, Erich Richard — *Fremont, Nebr.*
B.A., Wayne State College
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B.A., Carleton College
O'Harra Miriam Esther — *Macomb, Ill.*
B.A., Lawrence College
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O'Leary, Mary Catherine — *Appleton*
B.S., University of Wisconsin
Ollmann, Loyal Frank — *Gresham*
B.A., Ripon College
Olson, Florence Selma — *Canton, S .Dak.*
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Olson, Oscar Helmer — *Rockford, Ill.*
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Onsrud, Minnie Christine — *Stoughton*
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Owens, Mildred Dorothy — *Utica, N. Y.*
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Paden, Alfred Robb — *Argonia, Kans.*
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B.A., Swarthmore College
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Parker, Roland Bruce — *Rome, Ga.*
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B.S., Ohio State University
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B.A., University of Illinois
Patterson, Laurence George — *Hopedale, Ohio*
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B.A., University of Wisconsin
Peng, Chien (G) — *Peking, China*
B.A., University of Wisconsin
Perkins, Herbert Armand — *Hampton, N. H.*
B.A., Colby College
Perrigo, Harold William — *Oshkosh*
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Perry, Katherine — *Pleasanton, Kans.*
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Porter, William Almonde — *Waukesha*
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M.A., Hamilton College
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Schreiber, Theodore — *Bonn, Germany*
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Schrenk, Helmuth H. — *Madison*
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Schuster, Eugene Birkenwald (GM) — *Milwaukee*
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Schwingel, Christian Henry (G) — *Madison*
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Scudder, Kathreen Virginia — *Oxford, Ohio*
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Sears, Alfred Bryon — *Westerville, Ohio*
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Sexton, Ethelyn — *Olivet, Mich.*
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Shannon, Jasper Beny — *Millersburg, Ky.*
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B.S., University of Wisconsin
Shaw, Leland Campbell — *Milton*
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Shaw, Myrtle Annette — *Union, Ill.*
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Staley, George Otto (G) B.A., Lawrence College	*Waldo*
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Stephens, Donald Wilfred Ph.B., University of Wisconsin	*Marion, Ind.*
Stewart, Cleo B.S., Northern Texas State Teachers College	*Denton, Texas*
Stewart, Robert Bruce B.A., University of Wisconsin	*Lafayette, Ind.*
Stibbe, Ruth V. B.A., University of Wisconsin	*Peshtigo*
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Stokes, James Rayson B.S., University of Georgia	*Valdasta, Ga.*
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Stolen, Alvin T. B.A., Saint Olaf College	*Mount Horeb*
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Wilson, Eloise — *Hominy, Okla.*
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Wilson, Henry Laurence — *Superior*
B.A., West Virginia University
Wilson, Jean — *Alliance, Ohio*
B.A., Goucher College
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B.A., Ripon College
Wolford, Jessie Ellen — *Terre Haute, Idd.*
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Wolfram, Claude Milton — *South Bend, Ind.*
B.A.,, Tri-State College
Wood, Annabel — *Berlin*
B.A., Milwaukee-Downer College
Wright, Ernest Baskin — *Rome, Ga.*
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Wyant, Richard Moore — *Waterloo, Iowa*
B.D., Garrett Bibical Institute
Young, Charlotte E. L. — *Pittsburgh, Pa.*
B.A., Beaver College
Young, George K. — *Pittsburgh, Pa.*
B.S., University of Pittsburgh
Young, Nora Blanche — *Toledo, Ill.*
B.S., Millikin University
Young, Ruth — *London Mills, Ill.*
B.A., Indiana Central University
Yunker, Edwin A. — *Gresham, Ore*
B.A., University of California
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B.A., North Central College
Ziegler, Aloysius Kieran — *Milwaukee*
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Zinns, Roland William — *Milwaukee*
B.A., University of Wisconsin
Zoerb, Donald V. — *Oshkosh*
B.S., University of Wisconsin
Zook, Sigrid Constance — *Madison*
B.A., University of Wisconsin
Zwiebel, Clarice — *Topeka, Kans,*
B.A., Washburn College

UNDERGRADUATES AND TEACHERS

Aaberg, Monrad Edward (LS) — *Greenwood*
Aarons Matilda — *Milwaukee*
Abbott, Eunice Ethelyn — *Elgin, Ill.*
Abbott, George Charles B.A. — *Ponca City, Okla.*
Abbott, Orville L. — *Washburn, Ill.*
Abel, Josephine Louise — *Eden*
Abert, Richard E. (LS) — *Milwaukee*
Abraham, Goldy — *Chicago, Ill.*
Abrams, Fenton Neale (A) — *Mount Hope*
Ace, Burdette W. (LS) — *Madison*
Adam, George Herman (E) — *Madison*
Adams, Beatrice Isabelle B.A. — *Oconomowoc*
Adams, Edward Wolfe — *Indianapolis, Inds*
Adams, Eva Mae (A) — *Chicago, Ill.*
Adams, Frances — *Formosa, Va.*
Adams, Georgian M.A., — *Lincoln, Nebr.*
Adams, Mildred Jane — *Marion, Ind.*
Adams, Patricia Vilas — *Madison*
Adams, Rachael Jane (LS) — *Erie, Pa.*
Adamson, Effa King — *Madison*
Adcock, Lena Louise — *Galesburg, Ill.*
Adsit, Wilma Frances (LS) WLS) — *Owatonna, Minn.*
Ady, Gertrude M.A. — *De Kalb, Ill.*
Aegler, Clara Marie — *Browntown*
Aesdale, Louise — *Mound City, Mo.*
Aey, Charles Arthur M.S. — *Dunkirk, N. Y.*
Agnew, Mary Josephine — *Monroe*
Ahrens, Dorothy May — *Milwaukee*
Albert, Gordon George — *New Holstein*
Albrecht, Dorothy Elizabeth — *Milwaukee*
Albrecht, Selma B.A. — *Madison*
Alderson, Florence Mary — *Juneau*
Aldrich, Ardelle Baker — *Chicago, Ill.*
Aldrich, Elizabeth Rose — *Keokuk, Iowa*
Alexander, Ada — *Hayward*
Alexander, Martha Romaine (LS) — *Wheaton, Ill.*
Alexander, Walter — *Madison*
Allen, Jessie Agnes B.A. — *Beloit*
Allcott, Ruth Evelyn (LS) — *Madison*
Alleman, Louis Alfred (LS) — *Alleman, Iowa*
Allen, Agnes Largent — *Crawfordsville, Ind.*
Allen, Edwin Forrest (LS) — *Sioux City, Iowa*
Allen, Elizabeth Winslow (LS) — *Valley City, N. Dak.*
Allen Fern Lucille — *Livingston*
Allen, Frederick Gray Jr. — *Hinsdale, Ill.*
Allen, Pearl Julia — *East Chicago, Ind.*
Allen, Ruth Rush — *Oshkosh*
Allen, Thelma Marguerite (A) — *Harvey, Ill.*

Allin, Robin Nail (LS)	*Madison*
Allison, Robert Howard	*Riverside, Ill.*
Almen, Ewald Leonard	*Ely, Minn.*
Alperin, Jacob B.A.	*Memphis, Tenn.*
Alperovtz, Julius	*Racine*
Altfather, Ellis McFerrin B.A.	*Weatherford, Texas*
Altpeter, Ophela Anna	*Milwaukee*
Ambler, Wistar	*Cleveland, Ohio*
Amborn, Lewis William	*Glidden*
Ambrosius, John Merle	*Rockford, Ill.*
Ames, Mildred Elaine (LS)	*Brooklyn*
Ames, Paul Franklin	*Brooklyn*
Ammon, Eileen Mildred (A)	*Madison*
Amos, Marjory Elliott	*Jefferson City, Mo.*
Anasis, Steve E. (LS)	*Fond du Lac*
Andersen, Charlotte A, (LS)	*Madison*
Andersen, Elinor Cecilia	*New Auburn*
Andersen, Mabel Holtan	*Stoughton*
Andersen, Olga Fredericka B.S. (G)	*Madison*
Anderson, Alice Gertrude	*Pecatonica, Ill.*
Anderson, Ann Eugenia	*Dayton, Ohio*
Anderson, Arthur Job (E)	*Oak Park, Ill.*
Anrerson, Audrey Joanna	*Clarendon, Va.*
Anderson, Carl Gustave (E)	*Superior*
Anderson, Charlotte Wright B.A. (G)	*Cleveland, Ohio*
Anderson, Georgia	*Hammond, Ind.*
Anderson, Hazel Dorothy	*Pecatonic, Ill.*
Anderson, Howard John	*Omaha, Nebr.*
Anderson John W. (LS)	*Merrill*
Anderson, Mabel Amelia	*Stoughton*
Anderson, Margaret Maria	*Tampa, Fla.*
Anderson, Miriam (E)	*Milwaukee*
Anderson, Myra Opal	*Viola*
Anderson, Oscar Walter	*Rockford, Ill.*
Anderson, Roger V. P. (E)	*La Grange, Ill.*
Anderson, Ruth Mildred (LS)	*Hibbing, Minn.*
Anderson, Virginia Isabel	*Owatonna, Minn.*
Anderson, William McKinnon	*Phillips*
Andrews, Emma Belle	*New Lisbon*
Andrews, Helene Marie B.A.	*Colby*
Annis, Howard P. B.S.	*Waukegan, Ill.*
Annis, Mrs. Jessie Elizabeth	*Waukegan, Ill.*
Anspach, Harriett	*Milwaukee*
Anton, Carleton Dale	*La Porte City, Iowa*
Applegarth, Leo William B.A.	*Whiting, Ind.*
Appleton, Margaret Black	*Pittsburgh, Pa.*
Aranoff, Stanley Harold (LS)	*Miami Beach, Fla.*
Arbaugh, William Amos	*Deroit, Mich.*
Arbuthnot, John B.S.	*Janesville*
Archie, Gustave E. (E)	*Waterloo*
Ariyama, Noborn M.D.	*St. Louis Mo.*
Armbruster, John Lehman, B.A. (GM)	*Milwaukee*
Armstrong, Cora Pollock	*Beloit*
Arstrong, Harold (LS)	*Madison*
Arstrong, Henry Morrison	*Norman, Okla.*
Arstrong, Minta	*East St. Louis, Ill.*
Armstrong, Robert McGaffin B.S.	*Waterloo, Iowa*
Arnell, Sadie (LS)	*Balsam Lake*
Arnold, Edward F.	*Mount Vernon, Ohio*
Arnold, Eloise (LS)	*Eau Claire*

Arnold, Harold A.	*Menomonee Falls*
Arnold James Winthrop	*Madison*
Arnold, Marion Van Dusen	*Prentice*
Arnold, Robert C. (LS)	*Duluth, Minn.*
Arther, Iva D.	*West Branch, Mich.*
Ashbaugh, Florence Rosemary	*Eau Claire*
Ashbrook, Aileen	*Taylorville, Ill.*
Ashley, William Cuthbert	*Pittsburgh, Pa.*
Aspinwall, William H. (LS)	*Hurley*
Aspnes, Agnes Marie (A)	*Colfax*
Asuncion, Julio M. B.S.	*Chicago, Ill.*
Atkinson, Claire	*Creston, Iowa*
Atkinson, Claude E.	*Fond du Lac*
Atkinson, Ethel L.	*Toledo, Ohio*
Attoe, Osborne James	*Wautoma*
Atwood, Allen Lawson	*Janesville*
Aubin, Francis W. (LS)	*Madison*
Augustus, James David B.A.	*Louisville, Ky.*
Auld, Anne Elizabeth	*Chicago, Ill.*
Aune, Clifford (E)	*Rice Lake*
Aurit, Mercedes Mary B.A.	*Dubuque, Iowa*
Austen, Emerson A.	*St. Louis, Mo.*
Austerud, Stella M.	*Martell*
Austin, Juanita Irene	*Chilhowee, Mo.*
Austin, Ralph Vernon B.A.	*Richland Center*
Averbeck, Linda Lena	*Fond du Lac*
Averill, Ruth Lillian	*Batavia, Ill.*
Avritt, Willie Lawrence B.A.	*Bradfordsville, Ky.*
Aylward, Emerine Marie	*Green Bay*
Aylward, Frances Ann (LS)	*Madison*
Azen, Rose	*Pittsburgh, Pa.*
Babb, Bertha Beatrice	*Junction City, Kans.*
Babcock, Lilian Bernice	*Milton*
Bachhuber, Francis George (LS) (M)	*Mayville*
Bachman, Helen Elizabeth	*Cincinnati, Ohio*
Backus, Annette Caroline B.A.	*Lancaster*
Bacon, Clara Cordelia	*Erie, Pa.*
Bacon, Frank Philpott B.A.	*Madison*
Baechler, Myron Edgar	*Minneapolis, Minn.*
Baily, Thomas Leland (L)	*Richland Center*
Baillies, Duncan S.	*Minoqua*
Baker, Elva Ruth	*Terre Haute, Ind.*
Baker, Georgia Lucas B.A.	*Cincinnati, Ohio*
Baker, John Gordon (E)	*Evansville*
Balazs, Gabriel George	*Racine*
Baldwin, Elizabeth Jane B.A.	*San Antonio, Texas*
Balich, Mary Elizabeth	*West Duluth, Minn.*
Balkwill, Mary Emma B.A.	*Kingsville, Ont. Can.*
Ball, Mary Fales (A)	*Fargo, N. Dak.*
Ballard, Claire Louise	*Frenchlick, Ind.*
Ballentine, Will Gray	*Menomonie*
Balogh, Emma	*Cleveland, Ohio*
Balzuweit, Elsie Louise	*Medford*
Bamberg, James Edward	*Madison*
Bangs, Florence Estelle	*Spencerport, N. Y.*
Banker, Paul Philip B.S.	*Chassell, Mich.*
Barcheski, Clement John	*Chicago, Ill.*
Barclay, Margaret MacGregor B.A.	*Waco, Texas*
Bardeen, Helen (LS)	*Madison*
Bardes, Lucille Marie	*Cincinnati, Ohio*

Barker, Mary Rose	*Toronto, Ont., Can.*
Barlow, Verena Martha B.A.	*Madison*
Barnard, Helen Dorothy (LS)	*Chicago, Ill.*
Barnes, Harry Albert (LS) (M)	*Milwaukee*
Barnes, Kenneth Crawford (LS)	*Madison*
Barnes, Marie A. (LS)	*Darlington*
Barnes, Richard Edward Ph.B.	*Cleveland, Ohio*
Barnett, Marian Anna	*Chicago, Ill.*
Barnum, Mabelle C.	*Janesville*
Barnwell, Robert	*Madison*
Barr, Gaylord Kenneth B.S.	*Madison*
Barron, Anna Convey	*Ridgeway*
Barrett, Catherine Amelia	*Peake, Va.*
Barron, Helen Susan (LS)	*East St. Louise, Ill.*
Barry, Linda Elizabeth	*Madison*
Barry, Mary Regina B.A.	*Oregon*
Barthel, Genevieve Elizabeth B.A.	*St. Louis, Mo.*
Bartholomew, Cecelia H.	*Big Bend*
Bartholomew, Ruth Elizabeth	*Big Bend*
Barton, Ethelwyn Park (LS)	*Madison*
Barton, Louise Florence	*Cleveland, Ohio*
Bashinsky, Mary Elizabeth	*Troy, Ala.*
Baskerville, Mrs. Florence Kelly B.A.	*Madison*
Batchelder, Edna Angeline	*Jacksonville, Ill.*
Batchelder, Merritt Clara M.A.	*Beloit*
Batcheller, Alice Cordelia	*Jamestown, N. Y.*
Batcheller, Clarence Merrill (LS)	*Madison*
Batz, Coletta Mary (LS)	*Sun Prairie*
Bauder, Russell S. M.A.	*Geneva, Ill.*
Bauer, Alice L. (A)	*Kilbourn*
Baughman, Janet Evelyn B.A.	*Lakewood, Ohio*
Bauman, Howard Albert	*Milwaukee*
Baume, Gertrude Winifred	*Racine*
Baumgarten, John Henry	*New Orleans, La.*
Baumgarten, Mary Elizabeth	*New Orleans, La.*
Baur, Harriet Louise	*St. Louis, Mo.*
Baus, Irma Joanna	*Madison*
Baxter, Mary Margaret B.A.	*Beloit*
Beale, Charles Clark	*Mount Sterling, Ohio*
Beaman, Sybil Louise	*Greenwood, Miss.*
Bean, Florence Louisa	*East St. Louis, Ill.*
Beatty, Harry Parke (LS) (M)	*Birmingham, Ala.*
Beaujon, Josephine Claire	*Johnstown, Pa.*
Beaujon, Margaret	*Johnstown, Pa.*
Beck ,Helen Jane	*Cincinnati, Ohio*
Beck, Lawrence John (E)	*Racine*
Becker, Florence G. (LS)	*Wilmont, Minn.*
Becker, Hadassah Mariam (MU)	*Monroe*
Beckmann, William Carl B.A.	*Plymouth*
Bedley, Lillian Emogene	*Meridean*
Beebe, Dewitt Clinton (LS) (M)	*Sparta*
Beery, Bernice Edith	*Portage, Mich.*
Beery, Viola Mable B.A.	*Portage, Mich.*
Beitling, Cora E.	*Algoma*
Belitz, Edna Cora	*Cleveland*
Belknap, Ellsworth B.S.	*Waukesha*
Bell, Charlotte Jane	*Circleville, Ohio*
Bell, Edwin J. Jr. (LS)	*Oshkosh*
Bell, Joseph M. (LS)	*Milwaukee*
Bell, Rena Manney	*Kansas City, Mo.*

Bell, Ruth Elizabeth B.S.	*Houtzdale, Pa.*
Bell, William Davis (LS)	*Madison*
Bender Charles Albert	*New Orleans, La.*
Bender, Julia Roselia	*East St. Louis, Ill.*
Bendfeldt, Adelaide Helen	*Richmond, Ind.*
Benedict, Elizabeth D. B.A.	*Winfield, Kans.*
Benefiel, J. Dan	*Lawrenceville, Ill.*
Benesh, Alvin H. (E)	*Marshall*
Bennett, Frances	*Stoughton*
Bennett, Isabel Moore B.S.	*Kearney, Nebr.*
Bennett, Marvin Valette M.A.	*Culver, Ind.*
Bent, Rose Varner	*Clarksburg, W. Va.*
Beran, Donald L.	*Wabeno*
Beran, Mary Cathryn	*Muscoda*
Berberich, Beatrice Adelia (LS)	*Souk City*
Bereman, Frederick James	*Aurora, Ill.*
Berg, Editha Louise (LS)	*Appleton*
Berg, Emma Josephine	*Edgerton*
Berg, Mrs. Florence Agnes	*Kenosha*
Berg, Hazel Marie	*Mondovi*
Berg, Marie B. K.	*Ashland*
Berg, Pearl Emily	*Appleton*
Berger, George Edward	*Two Rivers*
Berman, Fred A. (LS) (M)	*Milwaukee*
Bernstein, Jeanette	*Chicago, Ill.*
Berry, Miriam Graddy	*Versailles, Ky.*
Bertch, George Carl (LS)	*Coleman*
Berthouex, Elizabeth	*Sedalia, Mo.*
Berven, Leander Gerhard	*Sioux Falls, S. Dak.*
Berwald, Robert, Frederick	*Cleveland, Ohio*
Besecker, Lester Dean	*Laura, Ohio*
Betts, Robert Lelonel	*Lake Geneva*
Betzer, Everett E. B.S.	*Kenosha*
Beuthiu, Pearl Ida	*Madison*
Beyer, Clara Ruth	*Pittsburgh, Pa.*
Beyer, Hannie	*Milwaukee*
Bick, Marion Josephine	*Janesville*
Biddick, Eugene Harlan	*Ontario*
Biddick, Nellie Amelia	*Livingston*
Bidwell, Beulah Price	*Green Bay*
Biedermann, Mary Lillian	*Potomac, Ill.*
Biehn, Gertrude Emily	*Racine*
Bier, John Henry (LS)	*Madison*
Bier, Wallace Jacob B.A.	*Mount Horeb*
Biersborn, Charles F. B.A.	*Liscomb, Iowa*
Bieser, Bessie Carol	*Chicago, Ill.*
Biggar, Marjory Murray B.S.	*Oak Park, Ill.*
Biggs, Beulah Kathleen	*Lizton, Ind.*
Biggs, Ella May Ph.B.	*Minong*
Bills, Henry Newman Jr. (LS)	*Milwaukee*
Bingham, Barbara Frances (A)	*Sturgeon Bay*
Bingham, Nancy Gladys (A)	*Tomahawk*
Bird, Helen Amelia (LS)	*Bloomington, Ill.*
Bird, Ruth Elizabeth	*Superior*
Birkett, Louis Delbert	*Hazel Green*
Birong, Catherine Genevieve (MU)	*Madison*
Bisard, Ione	*Grand Rapids, Mich.*
Bischoff, Frieda	*Louisville, Ky.*
Bishop, Frederic O.	*Indianapolis, Ind.*
Bishop, Harold Robert	*Springfield, Ill.*

Bittel, Dorothy Fern	*Elgin, Ill.*
Bittmann, Mary Florence (LS)	*Madison*
Bittner, Eugenia Loretta	*Oshkosh*
Bittrich, Robert Frederick	*Chicago, Ill.*
Bjoin, John H.	*Stoughton*
Bjorge, Thomas B.S.	*Rockford, Ill.*
Bjork, Mabel Elvera	*Crystal Falls, Mich.*
Black, Bernard Oliver	*Cambridge, Ohio*
Black, Edwin M. (LS)	*Oregon*
Black, Roy D. B.A.	*Madison, Ind.*
Blackburn, Carolyn Etta M.A.	*Milwaukee*
Blackwell, Dorothy Catherine	*St. Louis, Mo.*
Blady, John V. (LS) (M)	*West Allis*
Blahnik, Albert Roy (A)	*Algoma*
Blain, Lucy Georgia	*Streator, Il.*
Blain, John Corson	*Stamford, Conn.*
Blair, Mary Frances	*Nashville, Tenn.*
Blake, Mabel Grace	*Oshkosh*
Blanchard, Werner, Jesse B.S. (E)	*Madison*
Blanding, Pearl	*St. Croix Falls*
Blankenagel, Ida Louise	*Milwaukee*
Blegan, Constance H. (LS)	*Hudson*
Bliffert, Wesely Phil (E)	*Milwaukee*
Bliss, Charlotte M. M.A.	*Louisville, Ky.*
Block, William	*Joliet, Ill.*
Blonder, Edward Guy LL.B.	*Chicago, Ill.*
Bloom, Burtis William (LS)	*St. Joseph, Mo.*
Bloss, Florence Elizabeth (LS)	*Salem*
Bloss, Truman George (LS)	*Fox Lake*
Bloxdorf, Walter Robert (E)	*Kenosha*
Blue, Thelma (LS)	*Madison*
Blunk, Russel Eugene	*Virden, Ill.*
Bobb, Romo E. (LS)	*McHenry, Ill.*
Bock, Eva Niere	*Watertown*
Bockelman, Mabel Elizabeth	*Ventnor Heights, N. J.*
Bodden, William A.	*Menasha*
Bodinson, Mildred Helene	*Aurora, Ill.*
Boedecker, Marion Cleve	*Kewaunee*
Boetcker, Hattie Martha	*Madison*
Boggs, Margaret Antoinette (LS)	*Topeka, Kans.*
Bohlmann, Alma Mathilda	*New London*
Bolard, Celia Frances	*Cambridge Springs, Pa.*
Boldenweck, Leo (E)	*Chicago, Ill.*
Bolin, Donald William B.S.	*Bay City*
Bollerud, Alice	*Hollandale*
Bolliger, Theodore Carl (E)	*Madison*
Boltz, Ferdinand A.	*Beloit*
Bolyard, Miriam O. (LS)	*Madison*
Boogher, Howard (LS)	*St. Louis, Mo.*
Booher, John Alexander (LS) (M)	*Madison*
Bookhout, Russell Frank (LS)	*Madison*
Boon, Sally Knox	*Carthage, Mo.*
Boose, Grace D.	*Milwaukee*
Borden, William Henry M.A.	*Madison*
Born, Margaret Frances	*Oak Park, Il.*
Borneman, Margaretha Catherine (A)	*Elkhart, Ind.*
Bostic, Victoria Elizabeth	*Tuscola, Ill.*
Botham, Grace Winona B.S.	*Madison*
Bouthner, Beatrice	*Grand Rapids, Mich.*
Bowen, Ruth M.	*Holley, N. Y.*
Bowers, Lucile	*Athens, Ga.*

Bowers, Polly Ruth B.S.	*Athens, Ga.*
Bowes, Thelma Elaine B.A.	*Portland, Mich.*
Bowman Blanche M.	*Rockford, Il.*
Bowman, Harold Samuel B.A.	*Greenfield, Ill.*
Bowtell, Grace Pd.M.	*Brooklyn, N. Y.*
Boy, Helen A.	*Madison*
Boyce, Merton V.	*Rhinelander*
Boyd, Helen Marie	*Washington, D. C.*
Boyd, Rufin Waldemar (LS)	*Edgerton*
Boyington, Agnes (LS)	*Hurley*
Boylan, Kenneth William B.S.	*Withee*
Boyles, Anna Mary	*North Lewisburg, Ohio*
Braaten, Sanford Arthur (LS)	*Sun Prairie*
Braatz, Clayton O. (LS)	*Wausau*
Brabant, Davis	*Madison*
Brach, Henry Gustav	*Mukwonago*
Bradley, Frank Russell	*Stillwater, Okla.*
Bradsteen, Zillah Gurn (A)	*Beloit*
Braham, Violette Lucille	*Chicago, Il.*
Bramham, Janet Mason	*Oshkosh*
Brand, Edith Minerva	*Duluth, Minn.*
Brand, Jean Winifred Ph.B.	*West Hartford, Conn.*
Brandon, Ellis Morgen	*Poplar Bluff, Mo.*
Brandon, Hilda J.	*Hillsboro*
Brannon, Edna Jones Ph.B.	*Joliet, Ill.*
Brase, Thorborg Lydia B.S.	*Lindsborg, Kansas*
Bratton, William Cecil (LS)	*Chicago, Ill.*
Braum, Agnes	*Milwaukee*
Breitkreutz, Vera Alta	*Lake Mills*
Breman, Charlotte Revella	*Pittsburgh, Pa.*
Brener, Olga Eberhard	*Shawano*
Brennan, Martin Joseph	*Waterbury, Conn.*
Brenner, Paul Melvin	*Quincy, Ill.*
Brent, Aline	*Louisville, Ky.*
Bresee, Asenath Jewell	*Madison*
Breyley, Winona	*Geneva, Ohio*
Briegleb, Alma M B.S.	*St. Clair, Mo.*
Brigham, Robert Henry (E)	*Madison*
Brighenti, Josephine Adelaide	*Ramsey, Mich.*
Brill, Daniel S.	*Pound*
Brinkman, Genevieve Ananda Louise	*Sheboygan*
Brinsmade, Virginia Skidmore	*Mexico City, Mex.*
Broady, Florence	*Quincy, Ill.*
Brookes, James Allen	*Glencoe, Ohio*
Brookmire, Emma Frances	*Marinette*
Brooks, Adele Richards	*St. Louis, Mo.*
Brooks, Roosevelt	*Chicago, Ill.*
Brotz, Roman Gasper (E)	*Kohler*
Brown, Elisabeh Denny	*Marshall, Mo.*
Brown, Elsa Krolik (A)	*Detroit, Mich.*
Brown, Genevieve R. B.S.	*Lyons, Ill.*
Brown, Hazel Louise	*Ookmont, Pa.*
Brown, Herbert A. (A)	*Holcombe*
Brown, Janice Serena	*Waukesha*
Brown, John Joseph B.A.	*Oak Park, Ill.*
Brown, Lorraine Charlotte (LS)	*Madison*
Brown, Marie C. B.A.	*St. Louis, Mo.*
Brown, Orlo Edgar (E)	*Kenosha*
Brown, Sarah Edith B.S.	*Milwaukee*
Brown, Willard Morrow Jr.	*Upper Montclair, N. J.*

Brown, William, James (L)	*Mount Horeb*
Browning, Ida Mae	*Dallas, Texas*
Brownson, William Donald	*Seymour*
Bruce, Mary Ellen	*Chicago, Ill.*
Brunckhorst, Frank Louis	*Platteville*
Bruner, Mary J.	*Abingdon, Ill.*
Brunner, Emma Marion (LS)	*Leopolis*
Bruns, Grover Harold	*Madison*
Brunschweiler, Edith Harwood B.A.	*Appleton*
Bryant, Zenola	*Milwaukee*
Brye, Louise C. (LS)	*Madison*
Buboltz, William Frank	*West Allis*
Buchan, Margaret Elizabeth	*Milwaukee*
Buck, Caroline Laura (LS	*Madison*
Bukeridge, Charles Rex	*Sheboygan*
Buckley, Jerold Conrad	*West Bend*
Buckley, Mortimer J.	*West Bend*
Buckmaster, James Lloyd	*Marshfield*
Buddemberg, Edmundo	*Chicago, Ill.*
Buell, Robert Arthur (LS)	*Watertown*
Buerki, Frederick A. B.S.	*Madison*
Buffington, Arthur Caldwell	*Springfield, Ill.*
Buglass, Spencer Robert (E)	*Portage*
Bullerdick, Roberta B.A.	*Cincinnati, Ohio*
Bunda, Mary Rebecca	*Sister Bay*
Bundok, Marano Guzman B.A. (E)	*Bataan, P. I.*
Bunge, Jonathan Clement	*LaCrosse*
Bunker, Leslie Paul B.S.	*Rice Lake*
Bunker, Lucile P.	*Rice Lake*
Bunting, Elizabeth (LS)	*Madison*
Burchfiel, Ora B. B.A.	*Oklahoma City, Okla.*
Burden, Oliver Dudley	*Syracuse, N. Y.*
Burdick, George Edgar B.A.	*Milton*
Burdon, ThomasShe Idon (LS) (M)	*Green Bay*
Burgenske, Emily Ruth (LS)	*Verona*
Burgeson, Ruth Esther	*Green Bay*
Burgess, A. Jeanette (LS)	*Brooklyn*
Burke, Elizabeth Rose	*Kansas City, Mo.*
Burke, Esther Elizabeth B.S.	*Madison*
Burke, Katharine Mary	*Chicago, Ill.*
Burke, Rose Frances B.A.	*Bemidji, Minn.*
Burkhardt, Mildred Catharine B.A.	*Indianapolis, Ind.*
Burkhardt, Bernard A.	*Beloit*
Burkman, Florence L.	*Roscoe, Ill.*
Burkman, Helen M. (A)	*Roscoe, Ill.*
Burmeister, Robert August (E)	*Milwaukee*
Burmeister, Wesley John (E)	*Middleton*
Burnham, Dorothy B.A.	*Bryn Athyn, Pa.*
Burns, Norma Josephine	*Appleton*
Burns, Verna Choline B.A.	*Clay City, Ind.*
Burrows, Elsa Clare	*Warren, Ill.*
Burt, Carlotta Forbes B.S.	*Florence, Ala.*
Busch, Mildred Frances B.A.	*Gaylord, Minn.*
Bushnell, Ione Steigle	*Plainfield, Ill.*
Busser, Pauline Augusta	*Madison*
Butzine, Frederick Carl B.A.	*San Diego, Cal.*
Buxton, Rebecca Carolyn	*Cincinnati, Ohio*
Buzzell, Grace Loretta	*Markesan*
Byers, Grace	*Monroe*
Byrne, Alice M.	*LaCrosse*

Byrne, Regina Margaret	*Chicago, Ill.*
Byrnes, Chester Henry	*East Troy*
Caflisch, Margery Eleanor	*Baraboo*
Cahill, Alice May	*Louisville, Ky.*
Calder, William Alexander (LS)	*Chippewa Falls*
Caldwell, Aleson Annita B.A.	*Rio*
Caldwell, Donald Marion (LS) (M)	*Rio*
Caldwell, Tirzah Ann (LS)	*Poynette*
Call, Doris M.	*Viroqua*
Calliss, Evangeline Propson	*Baraboo*
Calliss, Julia Elizabeth B.A.	*Baraboo*
Cambridge, Henry Solomon	*Chicago, Ill.*
Cambell, Agnes Lucille	*Grand Haven, Mich.*
Campbell, Cora B.A.	*Springfield, Ill.*
Campbell, Don W. (E)	*Madison*
Campbell, Edna Inez	*Cashton*
Campbell, Eleanor	*Chicago, Ill.*
Campbell, Emma Margaret B.A.	*Springfield, Ill.*
Campbell, Ethel Mae	*Beloit*
Campbell, Frances Wadsworth	*Madison*
Campbell, Paul Edward (LS)	*Waukesha*
Campbell, Robert Du Fay	*Rockford, Ill.*
Campion, Joseph O. (LS)	*Brooklyn*
Canedy, Esther Irene	*Sioux Falls, S. Dak.*
Canepa, May Elizabeth	*Festus, Mo.*
Cannon, John L.	*Cleveland, Ohio*
Cantey, Claudia M.A.	*Columbia, S. C.*
Carden, Gertrude Elizabeth	*Weston, W. Va.*
Carey, Anne Louise B.E.	*Rushville, Ill.*
Carey, Frances Teresa	*Chicago, Ill.*
Carey, Margaret Elizabeth (LS)	*Madison*
Carey, Marguerite	*Spring Valley, Minn.*
Carlgren, Violet Margaret	*Rockford, Ill.*
Carlisle, Vera B.A.	*Robinson, Ill.*
Carlson, Cecelia Hannah	*Calumet, Mich.*
Carlson, Ellen Mathilda	*Marinette*
Carlson, Mildred E.	*Superior*
Carlson, Olga E.	*Superior*
Carlson, Ray Baldwin	*Rockford, Ill.*
Carlton, Annie Frances	*Athens, Ga.*
Carmichael, Eva	*Poynette*
Carmody, Maude Luella	*Egg Harbor*
Carncross, Edith Evelyn	*Lodi*
Carney, Ellen Marie	*Erie, Pa.*
Carney, Robert Forrest	*Milwaukee*
Caro, Sylvia	*Kansas City, Mo.*
Caron, Louis Désiré	*New Orleans, La.*
Carpenter, Kathryn Pearl (A)	*Chicago, Ill.*
Carraher, Irene Margaret (LS)	*La Crosse*
Carrier, Charlotte Amelia B.A.	*Edgerton*
Carrigan, Mary Jacqueline	*Milwaukee*
Carroll, Gaynold (A)	*Reedsburg*
Carroll, Laura Elizabeth	*Ogden, Utah*
Carroll, Minnie Caroline	*Ogden, Utah*
Carroll, Sylvia Helen	*Altoona*
Carroll, Theresa Marie	*Indianapolis, Ind.*
Carse, Stella Mary M.A.	*Oakland, Iowa*
Carson, Martha Elizabeth	*Evansville, Ind.*
Carteron, Emily Jean	*Belleville*
Cartier, Rosaire Doria B.S.A.	*Montreal, Can.*

Cary, Jessie Henderson	*Savannah, Ga.*
Casey, Elmora	*Fredericktown, Mo.*
Casey, James Donovan (LS) (M)	*San Benito, Texas*
Cashman, Nell Margaret	*De Pere*
Cassell, Hannah Frances B.S.	*Chester, Pa.*
Castleman, Evelyn Hope	*Milwaukee*
Caswell, Anna Louese B.A.	*Austin, Texas*
Cathro, Gladys Marion	*Detroit, Mich.*
Caughey, Esther Marie	*Madison*
Cavanagh, Paul Clinton	*Brooklyn, N. Y.*
Cavanaugh, James Franklin Ph.B.	*Kaukauna*
Cavender, Jeanette	*Hobart, Ind.*
Cavosie, John Clement	*Ironwood, Mich.*
Ceaglske, Norman Hugo (E)	*Merrill*
Cease, Grace Alice	*Washburn*
Celeste, Frank Palm	*Monessen, Pa.*
Chalfont, Ruth Jean B.A. (G)	*Baltimore, Md.*
Chalmers, Dorothy Freund B.S.	*Blawnox, Pa.*
Chamberlain, Adrienne A. (LS)	*Chicago, Ill.*
Chamberlin, Blanche Jenkins	*Bangor*
Chambers, Gladys Nickey B.L.	*Kenosha*
Chambers, Ruth Vernette (A)	*Monroe*
Chang, Hung Mien (LS)	*Shanghai, China*
Chapin, D. Jane (LS)	*Rockford, Ill.*
Chapin, Olive Katherine B.A.	*Evansville*
Chapman, Catherine Mary	*River Falls*
Chapman, Pauline	*Roanoke, Va.*
Charney, Evelyn Frances	*Chicago, Ill.*
Chase, Albert Victor (LS)	*Milwaukee*
Chase Lynn (LS)	*Madison*
Chase, Nellie M. (LS)	*Madison*
Cheeseman, Frances Mary	*Sturgeon Bay*
Cheli, Clement Frederic (LS) (M)	*Calumet, Mich.*
Chellman, Ellis P.	*Frederic*
Chen, D. S. (E)	*Honan, China*
Chermak, Alvin Roy (E)	*Manitowoc*
Cheshire, Minerva White	*Columbus, Kans.*
Chesnutt, John M.	*Thomson, Ill.*
Chidsey, Jane Louise	*Easton, Pa.*
Childe, Jassamine Pollock	*Waterbury, Conn.*
Childe, Patricia Peyton (LS)	*Wyoming, Ohio*
Childs, Donald James	*Wyoming, Ohio*
Chipman, Mabel Waite	*Redgranite*
Chladek, Virgil W. (A)	*Mount Horeb*
Christensen, Howard W. (LS) (M)	*Madison*
Christensen, Magda	*Racine*
Christensen, Margaret L. (LS)	*Racine*
Christensen, Nyslie A. B.S.	*Provo, Utah*
Christensen, Violet Cornelia	*Oconto*
Christenson, Hilleborg L. (LS)	*Stoughton*
Christie, Martha Elizabeth	*Superior*
Christoph, Earle	*Madison*
Christopherson, Boyd Elmer (A)	*Elk Mound*
Churchill, Jack Calvin	*Chicago, Ill.*
Churchill, Olive Lucretia	*Des Moines, Iowa*
Chuse, Ambrosia Mercedes	*Belleville, Ill.*
Cinkosky, John Edward (A)	*Milwaukee*
Cisne, Willis G.	*Carbondale, Ill.*
Citterman, Anne	*Chicago, Ill.*
Clare, Wilbert Charles	*Platteville*

Clark, Bernard Stearns (LS)	*Lead, S. Dak.*
Clark, Charlotte Ellen (A)	*Janesville*
Clark, Emily Margaret	*Beloit*
Clark, Frances Lewis	*Memphis, Tenn.*
Clark, Helen Thompson B.S.	*Valley Center, Kans.*
Clark, Lillian Adele	*Viola*
Clark, Warner D.	*West Allis*
Clark, William Elery (LS) (M)	*Oshkosh*
Clarke, Jeanette Ralphine B.S.	*Younstown, Ohio*
Clauson, Ruby Edith	*Chicago, Ill.*
Cleary, Margaret Dorothy Ph.B.	*Chicago, Ill.*
Cleberg, Nina A. (LS)	*Rio*
Cleveland, John Marshall	*Madison*
Clifford, Anna Margaret B.M.	*Madison*
Clifford, Catherine Watson B.A.	*Indianapolis, Ind.*
Clifford, Kathleen	*Stevens Point*
Clothier, Roberta Mary B.A.	*Fayette, Iowa*
Clouser, Roger Marcus	*Milton*
Clugston, Elizabeth Anne (LS)	*Columbia City, Ind.*
Coats, Carrie Pace	*Louisville, Ky.*
Cobaugh, George Daniel	*Pittsburgh, Pa.*
Cockefair, Edgar Augustus M.S. (G)	*Madison*
Cody, Richard John (E)	*Winnetka, Ill.*
Coffey, Alice Marie	*Chicago, Ill.*
Coffin, Esther Maye (LS)	*Madison*
Coffman, John Donaldson	*Cape Girardeau, Mo.*
Cohn, Eleanore Sara	*Winona, Minn.*
Cohn, Joseph Lippman	*Chicago, Ill.*
Cohn, Muriel Naome (LS)	*Chicago, Ill.*
Coke, Marion Louise	*Milwaukee*
Colby, Norman Elery	*Muscoda*
Cole, Charles Fletcher Ph.B.	*Green Bay*
Cole, David Fredrick (LS) (M)	*Sparta*
Cole, Donald Baldwin	*Evansville*
Cole, Gertrude	*Charlotte, Mich.*
Cole, Jessie Isabelle	*Plymouth, Ohio*
Cole, Laura Ann	*Malta Bend, Mo.*
Cole, Llewellyn R. B.A. (M)	*Milwaukee*
Cole, Lorell	*Madison*
Cole, Margaret Valeria (LS)	*Madison*
Cole, Ruth Etta	*Lodi*
Cole, Ruth S. (LS)	*Madison*
Coleman, Evelyn Mary	*Eau Claire*
Coles, Florence Bernice (LS)	*Decatur, Ill.*
Collier, Betty H. (LS)	*Essex, Iowa*
Collier, F. Jane (LS)	*Madison*
Collins, Anna Viola B.S.	*Madison*
Collins, John Thomas	*Biloxi, Miss.*
Collins, Lynn P.	*Shenandoah, Iowa*
Colman, Blanche Hinkley	*Syracuse, N. Y.*
Colman, Susan Elizabeth (LS)	*Superior*
Comery, George Richard	*Belvidere, Ill.*
Comiskey, Bernardine C.	*Lostant, Ill.*
Comisky, Marie Genevieve	*Lostant, Ill.*
Comly, Jesse Edwin	*Pecatonia, Ill.*
Conrad, Harriett Zoe	*Decatur, Ill.*
Conger, Ethel Almira	*Greenbush*
Considine, Shirley	*McKeesport, Pa.*
Consoer, Mildred Marie	*Des Plaines, Ill.*
Conway, Mary Ann	*Kilbourn*

Cook, Alonzo Charles (A)	*Montfort*
Cook, Donald Lynn	*Montfort*
Cook, John Godfrey	*Oshkosh*
Cook, Milton Gillette	*La Grange, Ill.*
Cook, Sedonia Wilhelmina	*Merrill*
Cook, Valeria F. (LS)	*Streator, Ill.*
Cooke, Helen Louisa Ph.B.	*Waukegan, Ill.*
Cooke, Nellie M.A.	*Kansas City, Mo.*
Cooke, Sydney Marsden	*East Orange, N. J.*
Coombs, Millicent Mae (LS)	*Madison*
Coombs, Walter Wilder	*Madison*
Coon, Margaret Irene B.A.	*Madison*
Cooper, Cornelia Lida B.A.	*Madison*
Cooper, Helen Hamilton B.S.	*Dubuque, Iowa*
Cooper, Melvin William	*Fennimore*
Cooper, Nancy	*Midway, Ky.*
Coopwood, Frances Minerva B.A.	*Lockhart, Texas*
Copeland, Vivien	*Madison*
Corbett, Alice	*Chicago, Ill.*
Corbett, Ruth R. B.A.	*Fort Worth, Texas*
Corcoran, Robert John (LS)	*Beloit*
Corley, Eugenia	*Dallas, Texas*
Cornelius, Ruth Vera	*St. Louis, Mo.*
Cornell, Helen Lois B.A.	*Buffalo, N. Y.*
Cornell, Mildred Lanse	*Buffalo, N. Y.*
Cornish, Hertha Gertrude	*Iola, Kans.*
Cornish, Hester Mae	*Neosho, Mo.*
Cornwell, Lenore Carol B.A.	*Bridgewater, S. Dak.*
Corrigan, Dolores Margaret	*Chicago, Ill.*
Cossairt, Laura Grace	*Potomac, Ill.*
Costigan, Stella Marcelline	*Madison*
Costley, Russell Watson	*New Orleans, La.*
Costley, Stanley F.	*New Orleans, La.*
Cotta, Genevieve	*Rockford, Il.*
Cotter, Sylvester Daniel	*Madison*
Coughlin, Mary	*Seneca*
Coulter, Merrild Worsfold (LS)	*Grand Rapids, Mich.*
Coulthard, Lloyd Thomas	*New Diggings*
Covil, Dorothy Eleanor B.A.	*Wilkinsburg, Pa.*
Covitz, Irene (LS)	*Flint, Mich.*
Cox, Elizabeth Jean B.A.	*Chicago, Ill.*
Cox, Walter Albert	*Racine*
Coyne, Anna Regina (LS)	*Madison*
Craddock, Helen Gertrude	*Rochester, Minn.*
Craig, David Robert (LS)	*Oconomowoc*
Craig, Floyd W.	*Cashocton, Ohio*
Crail, Marguerite Wimp B.S.	*Wichita, Kans.*
Crandall, Elizabeth Bolard	*Cambridge Springs, Pa.*
Crandall, Horace Charles B.S.	*Curtis, Nebr.*
Crasseros, John	*Chicago, Ill.*
Cravens, Amelia Josephine	*Indianapolis, Ind.*
Crawford, Charles Louis	*New Orleans, La.*
Crawford, Irene Clarice	*Patomac, Ill.*
Cress, Augusta L. B.S.	*Hamilton, Ill.*
Crichton, Kathleen Doherty (LS)	*Lancaster*
Croft, Wilda Amy	*Chicago, Ill.*
Cromer, Orville Charles (E)	*Madison*
Crosby, Mrs. Laura Emily	*Delavan*
Cross, Blanche	*Louisville, Ky.*
Cross, Marie	*Louisville, Ky.*
Cressen, Mazie Joy	*Loveland, Ohio*

Crouch, William H. (LS)	*Waukesha*
Crouse, Edward Cass (LS)	*Rochelle, Ill.*
Crow, Harold Kahs	*Cumberland, Ohio*
Crow, Margaret Helen	*Platteville*
Crowley, Marian Cecilia	*Milwaukee*
Crozier, Ronald Gilpin B.S. (G)	*Madison*
Cruikshank, Norma Leslie B.A.	*Hamilton, Can.*
Crutcher, Carlile	*Muskogee, Okla.*
Crutchfield, Louise	*Louisville, Ky.*
Cuddy, Marie C.	*Union Grove*
Culhane, Catherine Margaret	*Rockford, Ill.*
Culin, Harriett West	*Rosemont, Pa.*
Cullinane, John Edward (E)	*Madison*
Culver, Gladys Mary (LS)	*Sioux Falls, S. Dak.*
Cumming, Edith May	*Dousman*
Cumming, Helen M.	*Des Moines, Iowa*
Cummings, Earl Floyd (LS) (M)	*Hawkins*
Cummings, Ethel H.	*St. Joseph, Mo.*
Cuneo, Norberto Juan (LS)	*Pergamino, Argentina*
Cunningham, Angelyn	*Indianapolis, Ind.*
Cunningham, Dorothy Olive B.A.	*Pittsford, Mich.*
Cunningham, Leslie	*Sturgeon Bay*
Cunningham, Margaret Luelle	*Mazomanie*
Cunningham, Thomas Laverne (LS)	*Janesville*
Curran, Edna Margaret	*Prairie du Chien*
Curry, Elizabeth E. (LS)	*Madison*
Curtis, Ina Leila	*Portage*
Curtis, Ruth Barstow	*Woodbury, N. J.*
Curtis, Sara Andrews B.A.	*Woodbury, N. J.*
Curtis, Theodore R.	*Sauk City*
Cusick, Ann Bernadette (LS)	*Oregon*
Custer, George Warren	*Madison*
Cuthbert, Helen M. Deyhle	*Erie, Pa.*
Czarnowski, Lucile Kathryn B.A.	*San Diego, Cal.*
Czarnowski, Ruth Margaret	*San Diego, Cal.*
Da Hinden, Winifred Arline	*Canton, Ohio*
Dahl, Julia	*Strum*
Dahl, Stanley Gustaf	*Plymouth*
Dahlem, Vern Cornelius (E)	*Madison*
Daib, Margaret Anna	*Merrill*
Dailey, Maurice A.	*Taylorville, Ill.*
Dalrymple, Helena M.A.	*Lincoln, Nebr.*
Dalton, Blanche Marie	*Silver Lake*
Dalton, Lenore Margaret	*Erie, Pa.*
Dalton, Margaret Kathryn	*Chicago, Ill.*
Damsteegt, Walter Garrit (Mu)	*Brandon*
Dana, Donald Charles (E)	*Waukesha*
Danielson, Carl Hilding	*Chicago, Ill.*
Danihy, Lesta Helen	*Rochester, N. Y.*
Darby, Alice Flora	*Cincinnati, Ohio*
Darby, Hortense Evans	*Superior*
Darling, Frank Edward	*Milwaukee*
Darling, Leeta Miriam (LS)	*Wauwatosa*
Davenport, Margaret Elizabeth	*Freeport, Ill.*
Davidson, Harry (LS)	*Brooklyn, N. Y.*
Davidson, Maxine	*Rockford, Ill.*
Davidson, Morris Abraham (E)	*Madison*
Davidson, Robert Simon	*Mason City, Iowa*
Davies, May Aleen (LS) (M)	*Madison*
Davies, William James B.A.	*Berlin*

Davis Alice Maryan	*Minneapolis, Minn.*
Davis, Alman Claudina	*Clear Lake, Iowa*
Davis, Anna Tuttle	*Fulton, Mo.*
Davis, Beatrice Von Lunen B.A.	*Johnstown, Pa.*
Davis, Dorothy Gertrude B.A.	*Sparta*
Davis, Dorothy Santee (LS)	*Plymouth*
Davis, E. Julian (LS)	*Oklahoma City, Okla.*
Davis, Elmer Llewellyn	*Madison*
Davis, Esther (LS)	*Hudson*
Davis Frances	*Austin, Texas*
Davis, Helen Patterson (LS)	*Minneapolis, Minn.*
Davis, Marguerite Vivian B.A.	*Dundee, Ill.*
Davis, Milton Daland B.A.	*Milton*
Davis, Mount Ervin B.S. (G) (M)	*Kansas City, Mo.*
Davis, Robert Rhodes	*Clarksburg, W. Va.*
Davis, Violet Lois	*Chicago, Ill.*
Davis, Wilber Merchand (LS)	*Reedsburg*
Davis, Yvonne M. B.A.	*Tenaha, Texas*
Dawson, George Waller	*Madison*
Dawson, Jean Darby B.A.	*Greensburg, Pa.*
Dean, Grace Elizabeth	*Lake Forrest, Ill.*
Dean, Joseph Charles B.A.	*Madison*
Dean, Ruby Meryle	*Durand, Ill.*
De Buys, Laurence Richard	*New Orleans, La.*
Decker, Charles R. Jr.	*Milwaukee*
Deer, Dorothy Gretel B.A.	*Franklin, Ind.*
De Grief, Helen Virginia	*Indianapolis, Ind.*
Dehn, Eva Viola	*Bay City, Ind.*
De Horn, Conrad Edward	*White Lake*
Deike, Kenneth Taggart	*Pittsburgh, Pa.*
Deist, John Woodward	*Madison*
De Kelver, Caroline Veronica	*Chippewa Falls*
Delaney, Dorothy Florence (LS)	*Erie, Pa.*
Dellwo, Florence Mary	*Duluth, Minn.*
Dengel, Louise H. (LS)	*Madison*
Dengler, Clare	*Madison*
Denison, Mortimer Cooper (LS)	*Mellen*
Denker, Jennie	*Wasco, Ill.*
Densky, Willard Charles (LS)	*Milwaukee*
De Paso, Jane Evans B.A.	*Spartanburg, S. C.*
Derbyshire, Russel Clay (LS)	*Omaha, Nebr.*
Dernbach, Clement Andrew Ph. B.	*New London*
De Serisy, Jane	*Cincinnati, Ohio*
Desslach, Eli Max (LS)	*Colby*
Detjen, Clara Margaret	*Wilson, Mich.*
Dettloff, Fred C. (LS)	*Madison*
Devereaux, Marjorie Ann	*Grand Rapids, Mich.*
Devereux, William P.	*Austin, Texas*
Devine, Margaret Mary	*Chicago, Ill.*
De Vore, Beatrice	*Independence, Kans.*
Dewar, Bessie Margaruite	*Westfield*
Dewey, Ella Arnold	*Arcadia*
Dexter, Elizabeth B.M.	*Galva, Ill.*
Dexter, Mary Louise	*Galva, Ill.*
Diack, Samuel Latta M.S.	*Ann Arbor, Mich.*
Dibble, D. Willis	*Los Angeles, Cal.*
Dickerson, Frances O.	*Kansas City, Mo.*
Dickinson, Jennie Lucile	*Tuscola, Ill.*
Dickoff, Josephine Mary	*Fort Atkinson*
Dieterich, Marion Ina	*Hammond, Ind.*

Dillon, Alice Emeline	*Oshkosh*
Dillon, Margaret Rita	*Chicago, Ill.*
Dittemore, Alma J.	*St. Joseph, Mo.*
Dittmar, Edna Irene	*Wauwatosa*
Dixon, James Harold B.A.	*Oshkosh*
Dixon, William Raymond	*Marshfield*
Doan, John Henry	*Miamisburg, Ohio*
Dochterman, Ella Rebecca B.S.	*Wyaconda, Mo.*
Dodge, Alice Essler B.A.	*Mondovi*
Dodge, Florence Adele M.A.	*Madison*
Dodge, Fred Wilson (LS)	*Portage*
Dodge, Julia	*Madison*
Dodge, Virginia	*Madison*
Doehling, Carl Herman B.S.	*Ripon*
Doering, Russell Ray	*Platteville*
Dolan, Eunice Josephine	*Fond du Lac*
Dollard, James Edward (LS) (M)	*Madison*
Donaldson, Mabel Peck	*Cuba, Ill.*
Donaldson, Mae B.	*Cuba, Ill.*
Donkle, Milton Judson (LS) (M)	*Madison*
Donner, Alvah Bertha	*Merrill*
Donohue, Elmer	*Antigo*
Donohue, Gerald	*Antigo*
Donovan, Beatrice	*Toledo, Ohio*
Donovan, JosephD .	*Green Bay*
Doolittle, James Lowell	*Melrose*
Doran, Mildred Bernadine	*Hollandale*
Dorgan, Catherine Cecilia (A)	*Terre Haute, Ind.*
Dorney, Minerva Olive	*Chicago, Ill.*
Dorr, C. H.	*Clinton*
Dorsey, Ella M.	*Seward, Nebr.*
Doubleday, Neal Frank	*Lake Mills*
Douglas, Della B.S.	*Rock Port, Mo.*
Douglas, Martha Viola B.A.	*Brodhead*
Dowse, Kenneth James	*Kenilworth, Ill.*
Doyle, Eileen Genevieve	*Cuba City*
Doyle, Francis Clarence (LS)	*Highland*
Doyle, Frances Hazel	*Fort Atkinson*
Doyle, Frank Edwin (LS)	*Madison*
Doyle, Irene Estella	*Gratiot*
Doyle, Jean (LS)	*Madison*
Doyle, Josephine	*Columbia City, Ind.*
Doyle, Omer, Nicholas	*Highland*
Drake, Dorotha Carol	*Rio*
Drake, Duane Joseph	*Medelia, Minn.*
Drake, John C.	*Holland, Iowa*
Draxler, John Henry (LS)	*Glenwood City*
Drebin, Helen Edith (LS)	*Big Rapids, Mich.*
Dregne, Marie Kirstine	*Readstown*
Dreher, Eula B. (LS)	*Oregon*
Driessen,M arion Moore (LS)	*Marion*
Driggett, George Elmer	*Charlevoix, Mich.*
Drissen, Edward Micheal B.A.	*Port Washington*
Drollinger, Corinne Treva	*Detroit, Mich.*
Drom, Beulah J. B.S.	*Antioch, Ill.*
Droppers, Edward R. (LS)	*Milwaukee*
Drummond, James Wheeler (LS	*Cleveland, Ohio*
Dubrov, Gladys, J. (LS)	*Madison*
Duer, Jeannette Cecelia	*Chicago, Ill.*
Duffy, Roberta	*Montgomery, La.*

Duffy, Ruth Mary	*Montgomery, La.*
Duggan, Anna Elizabeth	*Beloit*
Dukes, Martha Campbell B.S.	*West Lafayette, Ind.*
Dumdey, Ned E. (LS)	*Markesan*
Dumke, Emma Charlotte M.A.	*New Holstein*
Duncan, Anna Lyza	*Aspinwall, Pa.*
Duncan, Erma Leona B.M.	*Madison*
Duncan, George Dalgleish	*Alton, Ill.*
Dunlap, Daisy Holcomb	*Green Bay*
Dunlap, Harriet Somerville	*Keokuk, Iowa*
Dunlap, James Hudson	*Dallas, Texas*
Dunlap, Josephine (LS)	*Pueblo, Colo.*
Dunn, Dorothy Lucy	*Eau Claire*
Dunn, Ray Leslie	*Shawano*
Durboraw, Ida Estelle B.A.	*Kansas City, Mo.*
Duwe, Clarence J. (E)	*Madison*
Dymond, Wayne Erwin (LS)	*Belvidere. Ill.*
Earley, Elizabeth Forsyth	*Philadelphia, Pa.*
Earleywine, Lora Marie (A)	*Evansville*
Eastin, Donovan Arthur (LS)	*Kewanee, Ill.*
Eastman, Alice M.	*Lowell, Mich.*
Eastman, Douglas Nadab (LS)	*Platteville*
Eaton, Grace L. (Mu)	*Sharon*
Eblen, Viola Moss B.A.	*Henderson, Ky.*
Eckhardt, L. Virginia	*Austin, Texas*
Eckley, Arthur Philip	*Dallas*
Eddie, Virginia Ida	*Louisville, Ky.*
Edge, Cora Kate (LS)	*Platteville*
Edwards, Mary Edna B.M.	*Pittsburgh, Pa.*
Edwards, Paul Krueger (LS) (M)	*Lancaster*
Egan, Edward Merle	*Sioux Falls, S. Dak.*
Egan, John Marion LL.B.	*Denver, Colo.*
Egre, Ruth Alice (LS)	*Rockdale*
Ehmann, Marie G. (A)	*Tomahawk*
Eichstaedt, Melvina	*New Britian, Conn.*
Eierman, Marcella Mary (LS)	*Madison*
Eiffert, Esther Helen	*Monona, Iowa*
Eiting, Lorna Elizabeth	*Kaukauna*
Ekanger, Emma Christene	*Rockton, Ill.*
Elhardt, Walter Phillipp M.A.	*Miamisburg, Ohio*
Elkins, Oscar Melville (LS) (M)	*Racine*
Elleson, Earl James (E)	*West Allis*
Ellett, William Howell B.A.	*Browning, Mo.*
Elliker, Gertrude	*Waukon, Iowa*
Ellis, Albert Kellar	*Appleton*
Ellison, Lenore M.	*Tulsa, Okla.*
Ellsberry, Marjorie Page	*Chilo, Ohio*
Elmer, Modesta Alameda	*Argyle*
Elmslie, Alice Isabel (LS)	*Milwaukee*
Emberson, Ragnhild	*Greenwood*
Embree, Theodora Elizabeth B.A.	*St. Louis, Mo.*
Endsley, Achsah Jane B.A.	*Van Buren, Ind.*
Engebretson, Agnus Palmer (E)	*Taylor*
Engelbrecht, Elma Caroline (LS)	*Elgin, Ill.*
Engelbrecht, Mabel A.	*Elgin, Ill.*
Engelhorn, Willard A. (LS)	*Fond du Lac*
Engelking, Eleanor Viola	*Sheboygan*
Engelsmann, Elsa Louise	*Webster Groves, Mo.*
Engeseth, Edward Johnson	*De Forest*
Englert, Margaret Aurelia	*Erie, Pa.*

English, Irene Isabelle	*Madison*
English, John Morris	*Madison*
English, Margaret Jean	*Des Moines, Iowa*
Engman, Martin Feeney	*St. Louis, Mo.*
Engstrand, Elna Josephine	*Wheaton, Ill.*
Enlor, Bonnie McKenny	*Dodgeville*
Ensign, Ivie Jean	*Salt Lake City, Utah*
Epstein, Ely (M)	*Milwaukee*
Erbacker, Christine (LS)	*Madison*
Erickson, Gertrude E.	*Chicago, Ill.*
Erickson, Lloyd Theodore	*Clayton*
Erskine, Caroline Griffith	*Waukegan, Ill.*
Erwin, Helen Catherine	*Chicago, Ill.*
Eschbach, Barbara M.A.	*Albia, Iowa*
Eschweiler, Elaine B.A.	*Madison*
Eschweiler, Mary (LS)	*Madison*
Espy, Gretchen Irene	*Ashtabula, Ohio*
Estess, May (LS)	*Rochester, Minn.*
Evans, Albert Ellis (LS) (M)	*Racine*
Evans, Bettye Bruce	*Ripon*
Evans, Mrs. Mae Duane	*Wilton*
Evans, Marion Haskins	*Belvidere, Ill.*
Evans, Mary Gunter B.A.	*Johnstown, Pa.*
Everson, Katherine M. (LS)	*Lake Mills*
Evert, Karl B.A.	*Marinette*
Evinger, Hubert Harold (E)	*Terre Haute, Ind.*
Ewertz, Elsie (A)	*Milwaukee*
Eyer, Harriet Argyle	*Colorado Springs, Colo.*
Eyer, Myrtle M.	*Pueblo, Colo.*
Eyre, Sarah Willson B.A.	*Madison*
Faber, Charles Andrew (LS) (M)	*Milwaukee*
Fagan, Ursula Elizabeth	*Omaha, Nebr.*
Fagg, Margaret Elenore (LS)	*Madison*
Fahey, Helen	*Kansas City ,Mo.*
Fahey, Lucille M.	*Kansas City, Mo.*
Fahrney, Myrtle Louise (LS)	*Oak Park, Ill.*
Fairbank, Marian B.A.	*Thorsby, Ala.*
Fairman, Helen Anne	*Chicago, Ill.*
Fairweather, Burton Albert (E)	*Sseboygan*
Falk, Isabella Louise	*Chicago, Ill.*
Fang, Chao Huo (LS)	*Sitiawan, Perak, F. M. S.*
Farley, Harriet L.	*Kenosha*
Farrell, Alice Mary	*Louisville, Ky.*
Farrell, Lawrence I.	*Frankfort, Ind.*
Farrell, Loretta Irene	*Milladore*
Farrell, Olga Mary	*Madison*
Farrell, Thomas John (LS)	*Chicago, Ill.*
Farwell, Porter (E)	*Wells River, Vt.*
Fasoldt, Karl Neville Ph.B.	*Johnston City, Ill.*
Fasterling, Sarah Edith	*New Orleans, La.*
Fauhl, Richard Matthew	*Ironwood, Mich.*
Fauley, Gordon Brown B.S.	*Chicago, Ill.*
Fauss, Augusta Catherine	*Brookfield, Mo.*
Faustgen, Josephine Ann (LS)	*Oshkosh*
Febock, Helen Schimming (LS)	*Madison*
Feeney, Elizabeth Mary (A)	*Madison*
Feeney, Martha Mary	*Madison*
Fehlhaber, Margaret Williams	*Madison*
Feiman, Samuel Sanford (LS)	*Milwaukee*
Fein, Sophie (A)	*Milwaukee*

Felber, Henry J. (E)	*Chippewa Falls*
Felch, Estel D.	*Madison*
Feldman, Elizabeth Ann (LS)	*Madison*
Feldman, Evelyn Alice (Mu)	*Madison*
Feldman, Helen Anna	*Chicago, Ill.*
Feldman, Max Grossman (LS)	*Pittsburgh, Pa.*
Fell, Paul Donald (E)	*Mayville*
Fenske, Florence Hilda	*Oconto*
Ferber, Frieda Elise	*Sauk City*
Ferger, Margaret E. B.A.	*Chattanooga, Tenn.*
Fernholz, Fern G. (LS)	*Jefferson*
Ferree, Edwin Heaston (LS)	*Marion, Ind.*
Fetter, Theodore Henry	*Princeton, N. J.*
Fetzer, George William B.A.	*Cleveland, Ohio*
Fiebrantz, Raymond C. (E)	*Milwaukee*
Field, Alma	*Blair*
Field, Clifford	*La Farge*
Field, John Wesley Ph.D.	*Kansas City, Mo.*
Field, Louise Olive (E)	*Kilbourn*
Fields, Kathleen	*Paton, Iowa*
Filmanourcz, Stanley Vincent	*Chicago, Ill.*
Filson, Katherine Brill	*Madison*
Finan, Alberta Sarah	*Chicago, Ill.*
Finch, Benjamin Jr.	*Duluth, Minn.*
Findlay, Gladys Mary	*Kenosha*
Finnegan, Dolphene Eleanor	*Milwaukee*
Finnegan, Gertrude Agnes	*Louisville, Ky.*
Fishcher, Gervasius William	*Madison*
Fish, Alma B. Rump	*Madison*
Fisher, Adeline (LS)	*Green Bay*
Fisher, Blanche Louise	*Fond du Lac*
Fisher, Charles Roy M.A.	*Pittsburgh, Pa.*
Fisher, Elizabeth Mildred M.A.	*Madison*
Fisher, Florence Grace	*Livingston*
Fisher, Josephine Lois	*Cedar Rapids, Iowa*
Fitch, Dorothy Helen B.A.	*Hudson, S. Dak.*
Fitton, John Joseph (E)	*Madison*
Fitzgerald, Gertrude	*Ogden, Utah*
Fitzgerald, Stanley G. B.S.	*Albany, N. Y.*
Fitzsimons, Laura Annette (LS)	*Mineral Point*
Flaherty, Lauretta Ann	*Denmark*
Flaherty, Margaret Elizabeth	*Denmark*
Flambeau, David Ball (LS)	*Milwaukee*
Flaven, Madeleine Mary	*Erie, Pa.*
Fleer, Brunhilde	*Milwaukee*
Fleming, Vera Adelle	*Beloit*
Fletcher, Elizabeth Mary B.A.	*Berlin*
Fletcher, Florence L.	*Jerseyville, Ill.*
Flint, Jessie Ethel	*Sun Prairie*
Flint, Willard L.	*Sioux Falls, S. Dak.*
Flood, May G.	*Aurora, Ill.*
Floyd, Mary Leora (LS)	*Tomahawk*
Flugge, S. L.	*Sarona*
Flynn, Francis Austin (LS)	*Madison*
Fobes, Florence Mary B.A.	*Kinsman, Ohio*
Fogo, Isabel Young B.A.	*Madison*
Fohl, Martha M.A.	*Pittsburgh, Pa.*
Foley, Anne Gavin	*River Forest, Ill*
Foley, Daisy Marguerite	*Madison*
Folsom, Hugh Francois B.A.	*Fond du Lac*

Foote, Marian Esther (LS)	*Madison*
Forberg, Mabel Magdalene	*Hubbard Woods, Ill.*
Ford, Charles F. M.A.	*Edwardsville, Ill.*
Ford, Helen Louise	*Cedar Falls, Iowa*
Foreman, Ruth Maltreta	*Erie, Pa.*
Forman, Jessie (LS)	*Richland Center*
Formhals, Amelia Louise	*Louisville, Ky.*
Forrester, Jay H. (E)	*Springer, N. Mex.*
Forsberg, Walter aRymond (LS)	*Marinette*
Forster, George (LS)	*Madison*
Forward, Myrtle	*Union Grove*
Fosse, Margaret Anne (LS)	*Beloit*
Fossum, Gladys Orene	*Beloit*
Foster, Mary Gladys	*Oakmont, Pa.*
Foster, Winnefred Mary B.A.	*Beloit*
Fouts, Laura Maud	*Lincoln, Ind.*
Fowle, Mabelle Thompson	*Rio*
Fowler, Alice Elizabeth	*Milwaukee*
Fowler, Esther Lyda B.A.	*Madison*
Fowler, Frank Herman	*Chicago, Ill.*
Fowler, John Vances	*Chicago, Ill.*
Fox, Charles William Jr.	*New Orleans, La.*
Fox, G. William B.A.	*Madison*
Fox, Neil Arthur	*Plymouth*
Frackelton, William B. (E)	*Lead, S. Dak.*
Franey, Kathryn Elizabeth B.M.	*Madison*
Frank, Meyer Philip (LS)	*Madison*
Franseen, Rosella Anna	*Frederic*
Frantz, Helen Louise B.A.	*Lafayette, Ind.*
Fraser, Marjorie Fordham	*Detroit, Mich.*
Frazer, Rachel A. (LS)	*Lockport, N. Y.*
Frazier, Arthur Henry (E)	*Manitowoc*
Freberg, Ethel E.	*Menominee, Mich.*
Freberg, Irene C.	*Menominee, Mich.*
Frederickson, Doris Margaret	*Westby*
Fredrickson, Marion Stella	*Racine*
Fredrickson, Nina B. (LS)	*Garden Prairie, Ill.*
Freeman, Gladys Helen B.A.	*Chattanooga, Tenn.*
Freeman, Inga	*Madison,*
Freeman, Katharine Austin	*Waterbury, Conn.*
Fremstad, Lila Mildred B.A.	*Westby*
Freudenstein, David Ditmar	*Holton, Ind.*
Freund, Adrian A. (LS)	*New Holstein*
Frey, Harold A. M.A.	*Madison*
Freyburger, Edwin (E)	*Madison*
Frick, Margaret Mary B.A.	*Huntingburg, Ind.*
Friedlander, Sadie	*Chicago, Ill.*
Friske, Oscar W. B.A. (M)	*Sparta*
Fritsch, Lucille Kathryn	*Chicago, Ill.*
Fritsche, Harriet Noll (LS)	*Whitewater*
Fronk, Edward Joseph (LS)	*Two Rivers*
Frost, Miriam B.S.	*Grand Ledge, Mich.*
Frusher, Fred Francis Jr. (LS)	*Madison*
Frusher, Katherine G. (LS)	*Madison*
Frye, Leslie Charles	*Western Springs, Ill.*
Fuehring, Laura Anna	*Evansville, Ind.*
Fuhlbrigge, Arthur Alfred (LS) (M)	*Madison*
Fuller, Darley Katherine	*New York City, N. Y.*
Fuller, Iva Candance	*Whitewater*
Fuller, Ruth Maurine (LS)	*Madison*

Fuller, Vesta Jones B.A.	*Madison*
Fulton, Ellis Giles	*Toledo, Ohio*
Funk, Helen Margaret	*Festus, Mo.*
Furlong, Henry Franklin (LS)	*Milwaukee*
Fuszard, Melvin Charles (LS)	*Antigo*
Fuson, Alvin Albert B.A.	*Bogota, Ill.*
Gaffney, Helen M. (LS)	*Milwaukee*
Gage, Ruby Elliott	*Beaumont, Texas*
Gahnz, Elinor Anna	*Coshrane*
Gahnz, Lillian Emily	*Cochrane*
Gaines, Dorothy Julien B.A.	*Louisville, Ky.*
Galambos, Helen Mae	*Cleveland, Ohio*
Galaske, Helen Lucille	*Menomonie*
Galaz, José D.	*Mexico City, Mex.*
Galbraith, Dorothy May (A)	*Oak Park, Ill.*
Gallagher, Charles Jeremiah	*Madison*
Gannon, Deane John (LS)	*Madison*
Gardner, Amy Church	*Beloit*
Gardner, Elizabeth	*Louisville, Ky.*
Gardner, Emily Frances	*Platteville*
Garner, Lulu Mae	*Bloomington*
Garness, Gladys Annetta	*Eau Claire*
Gascho, Lottie Esther	*Meadows, Ill.*
Gaskell, Mary Lillian	*East Troy*
Gasnow, Helen Jeanne	*Moline, Ill.*
Gastfield, Aurelia Margaret	*Deerfield, Ill.*
Gates, Ellis Day	*Terra Cotta, Ill.*
Gatti, Carolyn Rose Marie	*Rockford, Ill.*
Gebert, Lyda Margaret B.A.	*Merrill*
Gebhart, James Warren B.S.	*Germantown, Ohio*
Gee, Adele Rose (LS)	*Madison*
Gehler, Gilbert Emil	*Waterloo*
Gehrke, Bertha Florence	*Menomonie*
Gehrke, Cornelia Joanne	*Menomonie*
Geiger, Isabelle Frances B.A.	*Monroe*
Geil, Johanna	*Milwaukee*
Geil, Matilda Edna	*Milwaukee*
Geisert, Evangeline	*Washburn*
Gelder, Bernice Blanche (LS)	*Milwaukee*
Gelein, Lester Roland	*Eau Claire*
George, Elizabeth Marcia B.A.	*Aurora, Ill.*
George, Marion Jane	*Lisbon, Ohio*
Gerhard, Gerhard Russell B.A.	*St. Louis, Mo.*
Gerlinger, Freyda Marie	*Pittsburgh, Pa.*
Gernert, Hulda Marie Sophie	*Louisville, Ky.*
Gernon, David H. (L)	*Madison*
Gerred, Corinne Georgina	*Ashtabula, Ohio*
Gessner, Edward Heim	*New Orleans, La.*
Getz, Horace Raymond (A)	*Madison*
Geve, M. Elizabeth	*Fond du Lac*
Gey, Margaret Koudelka	*Milwaukee*
Gibbon, Merle V.	*Rewey*
Gibbon, Owen Benjamin	*Madison*
Gibbons, Gertrude Marie	*Sharon*
Gibbons, Martha	*Upper Darby, Pa.*
Gibbs, Emma L. (LS)	*Maplewood, Ore.*
Gibson, Delbert L. (LS)	*Akron, Ohio*
Gibson, Dorothy Helen (A)	*Lancaster*
Gibson, Herbert F. Jr. (LS)	*Duluth, Minn.*
Gibson, Rhea Montgomery (LS) (WLS)	*Oshkosh*

Giessel, Julius E.	*Black Earth*
Giffin, Frances Marion	*Chicago, Ill.*
Gifford, Selene	*Marion, Mass.*
Gilbert, Frances Harriet	*Sycamore, Ill.*
Gilbert, Jill	*St. Louis, Mo.*
Gilbertson, Grace Alma	*Spring Green*
Gilchrist, Joseph Alexander	*Cleveland, Ohio*
Gilday, Elizabeth H.	*Racine*
Giles, Ethel B.A.	*Adeline, La.*
Giles, Marie Louise	*Adeline, La.*
Gilger, Margaret Elizabeth	*St. Louis, Mo.*
Gill, Virginia Marie	*Chicago, Ill.*
Gill, William Thomas (LS)	*Milwaukee*
Gillard, James Leonard	*Muskegon, Mich.*
Gillette, Leona Mary (LS)	*Mount Vernon, N. Y.*
Gillig, Fred William	*Chicago, Ill.*
Gilling, Harriet Mary	*Green Bay*
Gilling, Marion M.	*Green Bay*
Gilmore, Elizabeth B. (LS)	*Manila, P. I.*
Ginn, Millicent B.A.	*Nebraska City, Nebr.*
Giron, Angel Belisario (E)	*Pamgasinan, P. I.*
Givan, Gilbert J.	*Indianapolis, Ind.*
Glanz, Arthur Henry	*Louisville, Ky.*
Gleerup, Grace Alice B.A. (G)	*Madison*
Glenn, James Scott	*New York City, N. Y.*
Glossinger, Gertrude (LS)	*Chicago, Ill.*
Glover, Dorothy M. (LS)	*Wilmette, Ill.*
Gnatt, Eleanor Louise Ph.B.	*Milwaukee*
Goebel, Elizabeth Natalie (LS)	*Milwaukee*
Goebel, Laura Mary	*Grand Rapids, Mich.*
Goeltz, Walter Henry (E)	*Milwaukee*
Goessling, Hattie B.	*Plymouth*
Goetz, Dorothy	*New York City, N. Y.*
Goggin, Mary Honore (LS)	*Madison*
Gold, Morris Alan (LS) (M)	*Milwaukee*
Goldberg, Bernice Wilfred	*Chicago, Ill.*
Goldberg, Irene	*Kansas City, Mo.*
Goldman, Mathilde	*Monroe, La.*
Goldring, Stephen (LS)	*Chicago, Ill.*
Goldsand, Mollie Evelyn	*Chicago, Ill.*
Goldthorpe, Carl Herbert	*Biwabik, Minn.*
Goldthorpe, Grace Goldie	*Milledgeville, Ill.*
Gollmar, Walter Samuel	*Evansville*
Goodale, Edwin Silas	*Houghton, Mich.*
Goode, Luella Sara M.A.	*Cincinnati, Ohio*
Goodell, Genevieve Frances	*Platteville*
Goodglick, Samson B.S.	*Seattle, Wash.*
Goodman, Sadie	*Chicago, Ill.*
Goodman, Sara Marian	*Monticello, Ind.*
Goodnight, Scott H. (LS)	*Madison*
Goodrich, Charles Howard	*Naperville, Ill.*
Goodwin, Edith Russell B.A.	*Landsdowne, Pa.*
Gopadze, Marion Illarion (LS) (M	*Madison*
Gordon, Anna Bennett	*Memphis, Tenn.*
Gordon, Elmer Henry	*Verona*
Gordon, Flora M. B.A.	*Springfield, Ill.*
Gore, Elizabeth Alexander (LS) (WLS)	*Sheffield, Ill.*
Gorham, Helen Louise B.A.	*Decatur, Ill.*
Gorton, Mildred Viarde	*Arcadia*
Gotchy, Marie Ann B.P.E.	*Oklahoma City, Okla.*

Gottlieb, Frieda B.A.	*Pleasanton, Kans.*
Gould, Lucie Culver	*New York City, N. Y.*
Govett, Vernice Mary (LS)	*Chisholm, Minn.*
Gowans, Mary Eugenia	*St. Louis, Mo.*
Graber, Laurence Frederick M.S.	*Madison*
Grady, Mary Elizabeth	*Fall River*
Graham, Belle Gordon	*East Orange, N. J.*
Graham, William Carleton (LS)	*Dodgeville*
Gramse, Clara Elizabeth	*Wautoma*
Grange, Paul L.	*Darlington*
Grant, Lathrop C. Jr.	*Lorain, Ohio*
Graper, Laura Mabel B.A.	*Fort Atkinson*
Graupner, Herman William	*New York City, N. Y.*
Gray, Cleo Margaret M.S.	*Pennsboro, W. Va.*
Gray, Douglas Mintie	*Waterbury, Conn.*
Gray, Esther Cathryn	*Pennsboro, M. Va.*
Gray, O. Virginia	*Memphis, Tenn.*
Green, Mabel Carmen B.A.	*Madison, Ind.*
Greenberg, Agnes Nellie	*Beloit*
Greenber, Samuel Lester B.A.	*Steubenville, Ohio*
Greene, Alan Ernest (LS)	*Barksdale*
Greene, Lora Mathilda	*Brandon*
Greenhow, Alice Jean	*Dubuque, Iowa*
Greenhow, Hattie E.	*Dubuque, Iowa*
Greenwood, Edith Elizabeth	*Marshfield*
Gregory, Dorothy E. (LS)	*Minneapolis, Minn.*
Gregory, Jeannette Jean (LS)	*Valders*
Greiber, Clarence H. (LS)	*Sauk City*
Greiling, Robert Emerson (E)	*Green Bay*
Grenzow, Orpha Mabel	*Monroe*
Grenzow, William Henry (LS)	*Waupun*
Grether, Gertrude Emma (LS	*Verona*
Gribble, Lelah L.	*Mineral Point*
Griest, Mary Ruth	*Omaha, Nebr.*
Grieves, Cecile	*Bartlesville, Okla.*
Griffey, Doris Irene B.A.	*Conneaut, Ohio*
Griffin, Tella F.	*Albany*
Griffin, Vera Frances	*River Falls*
Griffith, Dorothy	*Vaughnsville, Ohio*
Griffith, Mark Elwyn (LS)	*Kaukauna*
Grigg, Catherine Lilles	*Ironwood, Mich.*
Grigg, Jessie Henrietta	*Haddonfield, N. J.*
Grigg, Marian Elizabeth	*Greenville, Ill.*
Grill, Karl Rudolf Natanael B.A.	*Racine*
Grinde, Hazel Marie	*De Forest*
Grindell, Mayone	*Platteville*
Griswold, Mary Harriet	*Madison*
Gromme, Mary Alberta	*Fond du Lac*
Gronlund, Anna Augusta B.A. (M)	*Merrill*
Groom, Edith May B.A.	*Warren, Ill.*
Groth, Hilmer A. (LS)	*Verona*
Grover, Agnes Geraldine	*La Valle*
Grover, Lucile	*La Crosse*
Grube, William Karl (LS)	*Sheboygan*
Gscheidle, Gertrude Elizabeth	*Chicago, Ill.*
Guenther, Hilda B.S.	*Port Washington*
Guilfoile, Elizabeth B.S.	*Newport, Ky.*
Guiry, Florence Anna	*Chicago, Ill.*
Gulford, Elizabeth Rosina	*Madison*
Gunderson, Bernice May	*Blue Ash, Ohio*

Gunderson, Coleman Guy Ph.B.	*Wautoma*
Gunderson, Harry L. (LS)	*Sheboygan*
Gunderson, Ole Jr. (LS)	*Madison*
Gunnarson, Florence (LS)	*Chicago, Ill.*
Gustafson, Bessie Evalyn	*Waukegan, Ill.*
Gustin, Fred E.	*Bangor*
Gutenkunst, Joseph Bub	*Milwaukee*
Haack, Eleanor Louise	*Birmingham, Mich.*
Haak, Clara Helen	*Madison*
Haan, Irene M.	*Saukville*
Haas, Hattie Gertrude	*Lamberton, Minn.*
Hackner, David H. (LS)	*Chicago, Ill.*
Hackney, Phyllis Mary	*Tomah*
Hagan, Virginia	*Madison*
Hagedorn, Dorothy Ruth	*Eden*
Hagerman, George Washington	*Rockford, Ill.*
Hagerty, G. Arlyn (LS)	*Madison*
Hagerty, Kerrwin (LS)	*Green Bay*
Hagerty, Mary Louise B.A.	*Chicago, Ill.*
Haglund, Alvin Serem	*Hurley*
Hagman, Walter Phillip	*Kaukauna*
Hahn, Anthony Charles (LS) (M)	*Watertown*
Hahn, Janet Thusuelda	*Ean Claire*
Hahn, Juliet (LS)	*Milwaukee*
Hahn, Mary Helen (LS)	*Eden*
Haig, Theresa E.	*Mount Horeb*
Haight, Esther Ann (Mu)	*Cambridge*
Haines, Clara Lydia	*Merrimac*
Haisch, Margaret E.	*Milwaukee*
Hall, Edward Daniel	*Oshkosh*
Hall, Wellington J.	*Platteville*
Halron, Merrill William	*Peshtigo*
Halsa, Clara Avelda	*Superior*
Halsor, Adelle M. (LS)	*De Forest*
Halsted, John Oswald	*Toledo, Ohio*
Halverson, Alida (LS)	*Madison*
Halverson, Esther Christine	*Stoughton*
Halverson, Mary Lucile (LS)	*Madison*
Hamalainen, Fannie S.	*Ashtabula-Harbor, Ohio*
Hambley, Mary B.A.	*Ramsey, Mich.*
Hemel, Vernon S. (E)	*Oshkosh*
Hamer, Marjorie L. (LS)	*Woodstock, Ill.*
Hames, John Baptist (LS)	*Madison*
Hamilton, Blanche	*Westfield*
Hamilton, Minnette Ellen	*Houston, Texas*
Hamlin, Grace Hope	*Independence, Kans.*
Hamm, Rosalind	*Chicago, Ill.*
Hammann, Ethel Pauline B.A.	*Toledo, Ohio*
Hammann, Florence B.S.	*Milwaukee*
Hammer, Einar Oswald B.A.	*Fairbault, Minn.*
Hammond, Carolyn Reid	*Freehold, N. J.*
Hammond, Ethelwyn	*Kansas City, Mo.*
Hammond, Olander Lyman	*Urbana, Ill.*
Hampl, Constance Anna	*Burke, S. Dak.*
Hampton, Laurinda Marie B.A.	*Lancaster*
Hancock, Ethel Grace	*Monroe*
Hancock, Floyd Willis	*Fall River*
Hand, Emily May	*Madison*
Hand, Orra Robert (LS) (M)	*Minneapolis, Minn.*
Handeyside, Audrey	*Appleton*

Hanks, Lucien Stanley	*Madison*
Hanks, Mertice Marylouise	*Lancaster*
Hankwitz, Dorthea Helen	*Milwaukee*
Hanna, Pearl Evalyn	*Lone Rock, Iowa*
Hanneman, Fred H.	*Mount Horeb*
Hannum, Frances Amelia (LS)	*Madison*
Hansen Anna Johana	*Racine*
Hansen, Martha	*Philadephia, Pa.*
Hansen, Mayte Marie	*Milwaukee*
Hansen, T. Emily	*Chicago Heights, Ill.*
Hanson, Arnold Edward (G)	*Madison*
Hanson, Leonard Orlando (LS) (M)	*La Crosse*
Hanson, Mayme	*Hayward*
Hanson, Muriel	*Waukesha*
Hanson, Victor Urban (LS)	*Woodville*
Hanzlik, Freda Evelyn	*Chippewa Falls*
Happley, Alice May	*Cincinnati, Ohio*
Harbort, Alice S.	*Madison*
Harding, Mary Adelaide	*Hubbard Woods, Ill.*
Harding, Robert Bryant	*Crawfordsville, Ind.*
Hardy, Ada Montgomery B.A.	*Byhalia, Miss.*
Hardy, Lyde James	*Byhalia, Miss.*
Hardy, Vera May	*Clayton, Mo.*
Hare, Leona	*Narka, Kans.*
Hargrave, Elsie Isabel B.S.	*St. Petersburg, Fla.*
Harkins, Martha June	*Milwaukee*
Harlow, John Miller	*Duluth, Minn.*
Harmon, Amanda M.	*Plymouth*
Harmount, Anne	*Chillicothe, Ohio*
Harmount, Mary E. (LS)	*Chillicothe, Ohio*
Harnack, Mildred Fish M.A.	*Madison*
Harney, Irene Elizabeth	*Mount Hope*
Harper, Andrew Oliver (E)	*Belleville*
Harpole, Elizabeth	*Chicago, Ill.*
Harrigan, Mary Regina	*Grand Rapids, Mich.*
Harring, Sydney E. B.A.	*Packwaukee*
Harrington, John Joseph	*Ironwood, Mich.*
Harrington, Mary Elizabeth	*Madison*
Harrington, Mary Rose	*Chicago, Ill.*
Harrington, Thomas Orton	*Kansas City, Mo.*
Harris, Alberta	*Rock Elm*
Harris, Arthur J. (LS) (M)	*Superior*
Harris, Freeman Curtis	*Benton, Ill.*
Harris, John Joseph B.S.	*Cuba City*
Harris, Lois Joy	*Oneida, Ill.*
Harris, Mildred Lorena	*Rock Elm*
Harrison, Elizabeth B.A.	*Madison*
Harrison, Gwen Irene B.A.	*Sparta*
Harrison, Jeanette Laura	*Dodgeville*
Harsha, Mary B.A.	*Vincennes, Ind.*
Hart, Bernard Ellis	*Monticello, Ark.*
Hart, Creighton Carlton	*Kansas City, Mo.*
Hart, Edythe M.	*Sheboygan*
Hart, Grace	*Dallas, Texas*
Hart, Katherine M. (A)	*Waupaca*
Hart, Lawrence Albert	*Dallas, Texas*
Hart, Lois Rozella	*Brookfield, Mo.*
Hartel, Marion	*Nokomis, Ill.*
Hartl Ezra P.	*La Crosse*
Hartman, Charles Milton (LS)	*Chicago, Ill.*

Hartman, Jack (LS)	*New York*
Hartman, Louise Jane	*Eureka, Ill.*
Hartzeler, Alice Evelyn M.A.	*Shippensburg, Pa.*
Hartzler, Mrs. Annie Louella	*Shippensburg, Pa.*
Harwood, Viola G.	*Devils Lake, N. Dak.*
Hasenbank, Mildred Genevieve	*Chicago, Ill.*
Hassenfritz, Grace Elizabeth	*Pittsburgh, Pa.*
Hassler, Laura Marie B.A.	*Bay Village, Ohio*
Hastings, Evelyn Emily B.A.	*Canton, Ohio*
Hatcher, Ethel	*Franklin, La.*
Hathaway, Edna Elizabeth	*Gloversville, N. Y.*
Hathaway, Mary Allen	*Kansas City, Mo.*
Hatz, Luzia Emmerietta	*Wauwatosa*
Hauck, Ruth Evelyn	*Toledo, Ohio*
Haugner, Carrie Malene	*Madison*
Hauser, Marie Helen	*La Crosse*
Havey, Virginia Carr	*Stoughton*
Haviland, Malcom Douglas (Mu)	*Janesville*
Havinghurst, Elenore Gertrude	*Warrenton, Mo.*
Havlatko, Mabel Rosalie	*Berwyn, Ill.*
Hawker, John Carl (E)	*Madison*
Hawkins, Herbert William	*Baraboo*
Hawkins, Winford	*Peru, Ind.*
Hawley, Alice Marion	*Chili, N. Y.*
Hawley, Bernice Beatrice	*Chickasha, Okla.*
Hawley, Leah Mildred	*Newton Falls, Ohio*
Hawley, Vera Louise	*St. Louis, Mo.*
Hawley, William Edgar (LS)	*Madison*
Hay, Frances B.A.	*Beloit*
Hayden, Harry Gilbert Ph.B.	*La Crosse*
Hayden, Leland Hill (E)	*Ladysmith*
Hayes, Agnes Mary	*Westfield*
Hayes, Cornelius Benedict (LS)	*Mooseheart, Ill.*
Hayes, Eleanor Margaret	*Chicago, Ill.*
Hayes, Ellen Loretta	*Oklahoma City, Okla.*
Hayes, Helen Grace	*Pittsburgh, Pa.*
Hayes, John Everrett	*La Grange, Ill.*
Hayward, Elizabeth Gilman B.A.	*Sioux City, Iowa*
Hazen, Meribah B.A. (WLS)	*Waupun*
Healy, Jean Margaret	*Ironwood, Mich.*
Heard, Helen Horton B.S.	*Erie, Pa.*
Heathcote, Leila Fern (LS)	*Fennimore*
Hebard, Frank Foster B.S.	*Grand Rapids, Mich.*
Hebble, Joseph Newton	*Springfield, Ohio*
Hebenstreit, Kenneth Julian	*Chicago, Ill.*
Heck, Margaret	*Dakota, Ill.*
Hedderick, Mabel Elizabeth	*Erie, Pa.*
Hedrick, Dean Darwin Ph. B. (LS)	*Peoria, Ill.*
Hedrick, John Peters	*Saginaw, Mich.*
Heggestad, Inez	*Hollandale*
Heim, Leona Mary B.M.	*Dubuque, Iowa*
Heim, Mabel D.	*Warren, Ohio*
Heimburg, Frieda Margaret	*Marinette*
Heimerl, Elzabeth	*Milwaukee*
Hein, Eleanor Frances (LS)	*Madison*
Hein, Henrietta B.A.	*Terre Haute, Ind.*
Hein, Rosa B.S.	*Terre Haute, Ind.*
Heise, Esther Bertha	*Madison*
Heise, James Herbert (LS)	*Janesville*
Heitbohmer, Alice Mae	*Chicago, Ill.*

Heitbohmer, Margaret	*Chicago, Ill.*
Heitz, Maud A.	*Monroe*
Helbing, Eugenia Williamson M.A.	*St. Louis, Mo.*
Held, Wilmer, Otto (E)	*Milwaukee*
Helfter, Delia Mary	*Osage, Iowa*
Hellebrandt, Beatrice (LS)	*Madison*
Helming, Dorothy Hager B.A.	*Waukon, Iowa*
Helmkamp, Ethel Aurelia B.A.	*East St. Louis, Ill .*
Hemstreet, Ellen A. (A)	*Elkhorn*
Henderson, Anna Mary B.A.	*Terrell, Texas*
Henderson, Charles Arthur (E)	*Appleton*
Henderson, Hector Herald	*Birnamwood*
Hendrickson, Mabel Alma Ph.B.	*Madison*
Henika, Louia May Ph.B.	*Milwaukee*
Hennessey, Catherine Cecelia	*Green Bay*
Henney, Mildred	*Alton, Ill.*
Henning, Elsie Marie	*Foley, Minn.*
Henning, Vera Marian	*Toledo, Ohio*
Henriksen, Ellen Irene (G)	*Columbus*
Hensel, Evelyn	*Merrillon*
Henshall, Ellen Beatrice	*Montello*
Henshaw, Carl Wesley (LS)	*Madison*
Henthorn, Dortha Mildred	*Viola*
Herbst, Elizabeth Kyle B.A.	*Sparta*
Hergenhan, Mildred Emma (LS)	*Valhalla, N. Y.*
Hermann, Dorothea Ernestine	*Madison*
Hermann, Elfrieda Caroline	*Madison*
Hermann, Margaret	*Chicago, Ill.*
Hernandez, del Valle, Pedro B.A.	*Isabela, Porto Rico*
Herndon, Nell Gordon	*Portsmouth, Va.*
Herreid, Frances W.	*Blair*
Herrick, Marjorie (LS)	*Olean, N. Y.*
Herrick, Virginia	*Olean, N. Y.*
Herro, Alex Chris (E)	*Oconomowoc*
Hersh, Marvin (E)	*Milwaukee*
Herstein, David Allen	*Chicago, Ill.*
Hertz, Clarence Richard (LS)	*Cleveland, Ohio*
Hertz, Leonard M.	*Weyauwega*
Hertz, Roy (LS)	*Cleveland, Ohio*
Hessing, Hazel Pauline	*Sun Prairie*
Hessman, M. Lena	*Madison*
Hester, Eustace Granger	*Brooksville, Ky.*
Hestwood, Ruth Ellen B.A.	*Los Angeles, Cal.*
Hetzel, Edna Lucile M.A.	*Waverly, Kans.*
Heuer, Leone Anne (A)	*Racine*
Heuer, Marie Gertrude (LS)	*Racine*
Heyne, Kurt Norman	*Chicago, Ill.*
Hickock, Grace E. (LS)	*Madison*
Higgins, Ethel Hinman	*Madison*
Higgins, Mary Elizabeth	*St. Louis, Mo.*
Highbaugh, Swan Louis B.S.	*Coffeyville, Kans.*
Hilbert, Mary Kathryn	*Chicago, Ill.*
Hildebrand, Earl Martin (A)	*Omro*
Hill, A. Lulu	*East St. Louis, Ill.*
Hill, Charles Leslie	*Alma*
Hill, Evan Victor	*La Farge*
Hill, G. Martha	*Versailles, Mo.*
Hill, N. Alfred M.S.	*Williams, Iowa*
Hill, Ozro De Vier	*Freeport, Ill.*
Hill, Stella Marjorie	*Weyauwega*

Hillemeyer, Frances Adelaide	*Chicago, Ill.*
Hiller, Samuel Joseph (LS)	*Milwaukee*
Hilliard, Gordon Egan (E)	*Madison*
Hillier, Bernice Bell (LS)	*Lodi*
Hilmer, Anna Marie	*Milwaukee*
Hilmer, Dorothy Edith	*Spooner*
Hiltgen, Adelia Dorothy	*Sheboygan*
Hilty, Palmer A. (LS)	*Plymouth*
Hilty, Robert Oxley	*Toledo, Ohio*
Hiltz, Bertha Idella	*Flint, Mich.*
Himes, Verna Beatrice B.S.	*Tower Hill, Ill.*
Hinds, C. Louise (LS)	*St. Joseph, Mo.*
Hines, William Gordon (LS)	*Leominster, Mass.*
Hinman, Maude Ethel	*Cuba City*
Hintz, Roland Robert	*Sheboygan*
Hinz, Nellie Ruth	*Madison*
Hirn, Grace Sophia	*New Orleans, La.*
Hirtzel, Philip D.	*North East, Pa.*
Hitchler, Florence Anita	*Appleton*
Hoaglin, Leila	*Crawfordsville, Ind.*
Hobbins, Shirley Fuller	*Madison*
Hodge, Edythe Elizabeth Ph.B.	*Madison*
Hodges, Jennie T. (LS)	*Gary, Ind.*
Hoegberg, Adeline Dorothy	*Rockford, Ill.*
Hoegberg, Marion Elvera (A)	*Rockford, Ill.*
Hoehne, Julius Runkel (A)	*Greenwood*
Hoelzel, Philipp H. (LS)	*Watertown*
Hoeper, Howard P.	*Wausau*
Hoffenbacher, Alice Elizabeth	*Hancock, Mich.*
Hoffman, Dorothy Elizabeth (LS)	*Manitowoc*
Hoffman, Erwin Frederick (LS) (M)	*Wilton*
Hoffmann, Allen Herman	*West Allis*
Hoffmann, Lourice Eulalia	*Chicago, Ill.*
Hoffmann, Rose Beatrice	*Bear Creek*
Hohnbach, George David (LS)	*Milwaukee*
Hoisington, Raymond E. B.A.	*Stillman Valley, Ill.*
Holderness, Charles Cyril (E)	*Kenosha*
Holdsworth, Marguerite Isabel	*Webster Groves, Mo.*
Hollaender, Alexander (LS)	*St. Louis, Mo.*
Hollaender, Mrs Henrietta Wahlert	*St. Louis, Mo.*
Holley, Joseph Kirkland	*La Crosse*
Holley, Mary Seymour	*Virginia, Minn.*
Holmes, Glenn Thomas (LS)	*McFarland*
Holmes, Roy O. (LS)	*Baraboo*
Holmes, Stanley Shaw Jr.	*Riverside, Ill.*
Holst, Eugene C. (A)	*Madison*
Holt, Henry Whiting	*Pittsburgh, Pa.*
Homme, Raymond Blaine	*Stoughton*
Hood, Eva May	*North Prairie*
Hood, Robert Joseph (LS)	*Spring Green*
Hook, Frederick Stearns (E)	*South Milwaukee*
Hooker, Gladys	*Indianapolis, Ind.*
Hooper, Andrew John	*New Orleans, La.*
Hoopes, Helen Corrine	*Forest Hill, Md.*
Hoots, Helen Kathryn	*Decatur, Ill.*
Hope, Hollis Raymond Ph.B.	*Berlin*
Hope, Velma Olive	*Bloomington*
Hopkins, Kathryn (LS)	*Chicago, Ill.*
Hopkins, Susan Garvin	*Evansville, Ind.*
Hopkinson, Manette Meinecke	*Milwaukee*

Hopwood, Beatrice	*Springfield, Ill.*
Horn, Alta Beatrice	*Onalaska*
Horn, Dorothy Ann	*Festus, Mo.*
Hornaman, Helen May	*Erie, Pa.*
Horne, Lillian Hester	*Madison*
Horne, Susie B.	*Madison*
Hornigold, Alfred B.S.	*Wisconsin Rapids*
Horrell, George Robert	*Humbird*
Horswell, Jane E. (LS)	*Wausaukee*
Horton, Jeanette Johnson	*Wyandotte, Mich.*
Horton, Mae Butler	*Fennimore*
Hoselton, Eve Grace	*Weyerhauser*
Hostetter, Marjory Ellen B.A.	*Douglas, Nebr.*
Hougen, Harvey Lawrence	*Dorchester*
Housel, John Ward	*Ramsey, Ind.*
Houser, Edna Carrie M.A.	*Chillicothe, Ohio*
de la Houssaye, Martha Louise	*Franklin, La.*
Houston, Robert Douglass	*Chicago, Ill.*
Howard, Earl Lowell	*Milwaukee*
Howdle, John Clayton	*Montfort*
Howe, Henry Edwin (LS)	*Prarie du Chien*
Howell, Nellie	*Bridgeport*
Hoye, Gladys Annette	*Beloit*
Hoyt, Edith Evans M.A.	*Madison*
Hrubecky, Charles A. (LS)	*Neenah*
Hsu, Francis T.	*Honan, China*
Huang, Kung Shou (LS)	*Cheking, China*
Hubbard, E. Guinevere (LS)	*Evansville*
Hubbard, Elizabeth Vickery	*Woilaston, Mass.*
Huber, Kate D.	*Indianapolis, Ind.*
Hubler, Grace Alta	*Platteville*
Hucke, Katherine	*St. Louis, Mo.*
Hughes, Bernice May	*Independence, Kans.*
Hughes, Elva, Frances	*Independence, Kans.*
Hughes, Horton Ernest	*Chicago, Ill.*
Hughes, Jimmie Ayres B.S.	*Louisville, Ky.*
Hummel, Dorothy Elizabeth	*Green Bay*
Hummel, Emma W. B.S.	*Arlington*
Humphreys, Frances Wood	*La Grange, Ill.*
Hunt, Marian A.	*Fall River*
Hunt, Ruth J. (LS)	*Chicago, Ill.*
Hunter, L. Elizabeth (Mu)	*Madison*
Hunter, Mae Elizabeth B.A.	*Martinsville, Ind.*
Huntington, Kathryn	*Kansas City, Mo.*
Hupe, Lucile Adelaide	*Louisville, Ky.*
Huseboe, Verna Anette	*Madison*
Huseby, Ethel Henriette B.S.	*Cloquet, Minn.*
Hushheimer, Alberta	*La Crosse*
Hussayni, Rajai Said B.C.	*Beirut, Syria*
Hutchison, Samuel McLeary	*Ann Arbor, Mich.*
Huth, Dorothy Lillian (LS)	*Watertown*
Hutson, Harriet	*Sparta*
Hutter, Adolph Matthew (M)	*Fond du Lac*
Hutton, Robert Wallace (A)	*Port Edwards*
Huxel, Elsie B.	*Granite City, Ill.*
Hybarger, John William M.S.	*Norman, Okla.*
Hyber, Rita (LS)	*Chicago, Ill.*
Hyde, Margaret LaVere B.S.	*Waseca, Minn.*
Hyman, Belle	*Gary, Ind.*
Hyman, Helen	*New Orleans, La.*

Iahn, Elsa Mary	*Terre Haute, Ind.*
Ice, Sara Gertrude	*Marion, Ind.*
Icks, Karl B.S. (M)	*Green Bay*
Ihlenfeldt, Esther Irene	*Kenosha*
Ihlenfeldt, Roy Stanley	*Kenosha*
Ingalls, Alvie William	*Onalaska*
Ingalls, Esther Martha	*Onalaska*
Ingersoll, Birtis Perry	*Madison*
Ingli, Bernard William	*Ellsworth*
Ingold, E. Dee	*West Allis*
Ingram, Martha	*Detroit, Mich.*
Ingram, Oscar H. B.A.	*Dana, Ind.*
Inman, Howard C. (A)	*Beloit*
Ireland, Edward Joseph B.A. (G)	*Madison*
Irmiger, Grace Mary	*Chicago, Ill.*
Irvine, Mary Louise	*Rockford, Ill.*
Irwin, Ruthelle Margaret B.A.	*Beason, Ill.*
Isaacson, Grace Leone	*Superior*
Iselin, Willard Joseph B.A.	*Racine*
Isenberg, Meyer	*Chicago, Ill.*
Ives, John Hiett	*Delphi, Ind.*
Izner, Bernice (LS) (M)	*Milwaukee*
Jackson, Joyce Helen (LS)	*Indianapolis, Ind.*
Jackson, Minnie Luella	*Arlington, N. J.*
Jackson, Myrtle Grace	*Ellijay, Ga.*
Jacobson, Loreen Margaret (A)	*Madison*
Jacobson, Olive K. B.M.	*St. Paul, Minn.*
Jacobus, Vernie	*Chicago, Ill.*
Jacques, George William B.S.	*Madison*
Jaeck, Emma Gertrude Ph.B.	*Hinsdale, Ill.*
Jaehnig, Clara Bertha	*Fredonia*
James, Ima B.A.	*Norman, Okla.*
James, Josephine	*Collinsville, Ill.*
James, Marion Evelyn	*Oshkosh*
Jamieson, Mabelle B.A.	*Lone Rock*
Jamieson, Mary Joan (LS)	*Shullsburg*
Janice, Rosalie Benedictae	*Milwaukee*
Jansky, Nelson Moreau B.A.	*Madison*
Jantz, Edward Frank	*Oshkosh*
Jantz, Gilbert Joseph	*Milwaukee*
Jardine, Beth Margaret	*Darlington*
Jarvis, Marguerite Helen	*Eau Claire*
Jeffreys, Wellons Herbert	*Carpentersville, Ill.*
Jeffries, Ida Mae	*Janesville*
Jeidy, Pauline	*Prairie du Chien*
Jelinek, Muriel Grace	*Wilmette, Ill.*
Jennings, Charles Henry	*Newcastle, Ind.*
Jennings, Simon F. (LS)	*New London*
Jensen, Beatrice Eleanor	*Chicago, Ill.*
Jensen, Frederick G. (LS)	*Menasha*
Jensen, Frederick Townsend (LS)	*Stoughton*
Jenson, Clara	*Edgerton*
Jenson, Viola Leonora M.A.	*Madison*
Jewell, Grace Elizabeth	*Milwaukee*
Jewell, Madlyn Alice	*Milwaukee*
Jewell, Mary	*Mount Hope, Kans.*
Johannes, Karl Frederick (E)	*Merrill*
John, Herbert A. (E)	*Milwaukee*
Johnson, Anne S.	*Madison*
Johnson, Charles Melbourne (LS)	*Madison*
Johnson, Clara Ragnhild	*Superior*

Johnson, Ethel Grace	*Iron River*
Johnson, Fern Calista	*Mount Horeb*
Johnson, Freda Elizabeth	*Chippewa Falls*
Johnson, H. Stanley Jr. (LS)	*Madison*
Johnson, Helene E. (LS)	*Beloit*
Johnson, Hilda Caroline	*Superior*
Johnson, Ione Margaret B.A.	*Freeport, Ill.*
Johnson, Irene Annette	*Iola*
Johnson, John Arnold (LS)	*Madison*
Johnson, John Edgar	*Walloon Lake, Mich.*
Johnson, Julia Mary B.A.	*Wisconsin Rapids*
Johnson, Martha J.	*Antigo*
Johnscon, Martha Jo	*Austin, Texas*
Johnson, Mrs. Mary Canfield B.S.	*East Grand Rapids, Mich.*
Johnson, May Ida	*Green Bay*
Johnson, Mildred Victoria	*Eau Claire*
Johnson, Muriel B.	*Hillsboro*
Johnson, Page A.	*Fond du Lac*
Johnson, Rintha M. (E)	*Fond du Lac*
Johnson, Robert Carl B.A.	*Pana, Ill.*
Johnson, Roline Loven B.A.	*Rio*
Johnson, Rose B. M.A.	*Atlanta, Ga.*
Johnson, Signe Silvia (LS)	*Chicago, Ill.*
Johnson, William Herbert Jr. (LS)	*Chicago, Ill.*
Johnson, William Norton (E)	*Philadelphia, Pa.*
Johnston, Agnes Elford	*Urbana, Ill.*
Johnston, Greta L. B.A.	*Brooklyn*
Johnston, Helen Leber	*Brooklyn*
Johnstone Helen Ashcroft	*Chicago, Ill.*
Johnstone, John Douglas (LS)	*Milwaukee*
Jones, Albert Charles	*Verona*
Jones, B. Wendell (LS)	*Barneveld*
Jones, David Owen B.A.	*Madison*
Jones, Elizabeth K.	*Mauston*
Jones, Lillian	*Rockwall, Texas*
Jones, Lucille	*Waterville, Maine*
Jones, Mabel Roberta	*Burlington, Iowa*
Jones, Matilda Anne B.A.	*Gulfport, Miss.*
Jones, Naomi	*Wild Rose*
Jones, Olive Mary M.A.	*Jackson, Miss.*
Jones, Roy Howell B.S. (G)	*Madison*
Jones, William B. B.A.	*Cambria*
Jordan, Frank Brandon	*Centralia, Ill.*
Jordan, James Robert Jr. (LS)	*Madison*
Jorgensen, Philip Burnell (LS)	*Green Bay*
Jorn, Amanda L.	*Verdon, Nebr.*
Josi, Rae Christi	*Chicago, Ill.*
Junemann, Earl Frank	*Stratford*
Junkermann, Charles G. (E)	*Milwaukee*
Jurgerson, Viola A. (A)	*Rio*
Kaas, Mrs. Lucile Lepper von	*Menomonee Falls*
Kadesevitz, Charles	*Crystal Lake, Ill.*
Kahlenberg, James Flynn (E)	*Two Rivers*
Kahlenberg, William J. (LS)	*Two Rivers*
Kaiser, Gertrude Katherine B.A.	*Fond du Lac*
Kaiser, Harvey Ervin (LS)	*Milwaukee*
Kakuske, Herbert Paul B.A.	*Janesville*
Kalfseck, Hazel Dell	*Eau Claire*
Kamm, Virden F.	*Livingston*
Kamps, Hilda	*Platteville*

Kang, Chen-Yu (E)	*Tientsin, China*
Kanneberg, Mrs. Louise I. (LS)	*Madison*
Kaplan, Celia Shirley	*Chicago, Ill.*
Kaplan, Edith T. (LS)	*Cleveland, Ohio*
Kapple, Frank	*Chicago, Ill.*
Karnopp, Viola Carolyn	*Almond*
Kasch, Warren Ernest B.A.	*Winnebago, Ill.*
Kaska, Gordon John (LS) (M)	*East Troy*
Kastein, Bernard John (E)	*Waupun*
Kathary, Doris Henrietta	*La Crosse*
Katz, Gertrude (LS)	*Madison*
Katzin, Ruth Florence	*Detroit*
Kauffman, Josephine Marguerite	*Hillsboro*
Kaufman, Edith Erma	*Oshkosh*
Kaufmann, Eleanor Joan	*Sheboygan*
Kaump, Donald Hunter (LS)	*Madison*
Kaump, Ethel Amelia	*Madison*
Kautz, Erich (LS) (M)	*Madison*
Kearney, Mary L.	*Kansas City, Mo.*
Keeler, Marion Estelle B.A.	*Chicago, Ill.*
Keeley, Agnes Ward	*Madison*
Keenan, Margaret B.A. (G) (M)	*Bridgeport, Nebr.*
Keene, Ralph John	*Juda*
Keeports, Arthur Jacob	*Red Lion, Pa.*
Kehl, Kenneth Charles Ph.B. (LS)	*Racine*
Kehler, Elizabeth Bryan (LS)	*Cambridge*
Keithan, Elizabeth Frederica B.S.	*Clarion, Pa.*
Keithley, Erwin M.	*Palmyra*
Keli, Elizabeth Margaret	*Sheboygan*
Kell, Adeline Sylvia	*Superior*
Kelleher, Mary Ann	*Erie, Pa.*
Keller, August William	*Marion*
Keller, Melissa M.	*Verona*
Kelley, John Martin Jr.	*Baraboo*
Kelley, Sara Louise	*East St. Louis, Ill.*
Kellogg, Charles James (LS)	*Edgerton*
Kellogg, Dorothy Agnes	*Wisconsin Rapids*
Kellogg, Helen Hollowell	*Madison .....*
Kellogg, Joannah Lyons	*Wisconsin Rapids*
Kelly, Alice L. (LS)	*Mineral Point*
Kelly, Anna Estella	*Kilbourn*
Kelly, Madeline Agnes	*Oak Park, Ill.*
Kelly, Nell Wallace	*Homer, La.*
Kelly, Vernon William (LS)	*River Falls*
Kempton, Elizabeth B.A.	*Madison*
Kempton, Judson (LS)	*Madison*
Kennard, Helen Josephine	*St. Petersburg, Fla.*
Kennedy,Genevieve Ann	*Cresco, Iowa*
Kennedy, Grace Agnes B.A.	*Waukesha*
Kent, Arleigh Stelladeane (LS)	*South Milwaukee*
Kent, Grace (LS)	*New York City, N. Y.*
Kentopp, Josephine Wilma, B.A.	*Elgin, Nebr.*
Kerner, Florence Marie (LS)	*Milwaukee*
Kerner, Otto Jr.	*River Forest, Ill.*
Kerrigan, Agnes Cecilia	*Davenport, Iowa*
Kershny, Harold Samuel	*Dayton, Ohio*
Kessler, Agnes Columbia B.A.	*La Fontaine, Ind.*
Kessler, Virginia Louise	*Chicago, Ill.*
Ketterer, Ruth Elizabeth (LS)	*Madison*
Key, Laurence E. (LS)	*Beloit*

Keyes, M. Grace Ph.B.	*Evanston, Ill.*
Keys, Grace Mercedes	*St. Joseph, Mo.*
Keys, Menta May	*St. Joseph, Mo.*
Kiefer, Dorothy Marie	*Antigo*
Kilbourn, Eleanor Spencer (LS)	*Sterling, Kans.*
Kileen, Ruth Anna (LS)	*Wautoma*
Kilker, Mary Jean	*Egan, Ill.*
Killeen, Mary Frances	*Ironwood, Mich.*
Killough, Elizabeth Bryant	*Galesburg, Ill.*
Kimble, Jane Ella	*Springfield, Ill.*
Kimpel, Benjamin F. B.A. (G)	*Sturtevant*
Kind, Elsie Amalie	*Menasha*
Kindschi, Jean Douglas (LS)	*Beloit*
King, Alice	*Lena, Ill.*
King, Carol Elizabeth	*Elgin, Ill.*
King, Grace Elizabeth	*Milwaukee*
King, Melitta Catherine B.S.	*Hudson*
King, Thelma B.A.	*Weston, W. Va.*
Kinkaid, John Wells	*Sisterville, W. Va.*
Kinney, Effie Bernadetta	*Kenosha*
Kinsey, Dorothy Anne	*Sault Ste. Marie, Mich.*
Kinsley, Alice	*McGregor, Ia.*
Kinsley, Lucy Lucretia B.D.	*McGregor, Iowa*
Kinsolving, Thelma	*Poplar Bluff, Mo.*
Kirchner, James Albert	*Fountain City*
Kirchoffer, Nettie Maud B.A.	*Madison*
Kirk, Walter Carroll (LS)	*Chicago, Ill.*
Kirwin, Lois Kathryn (LS)	*Madison*
Kissick, Ruth Kathryn	*Youngstown, Ohio*
Klahn, Inez M. B.A.	*Alto, Mich.*
Klassy, Anna M.	*New Glarus*
Klee, Henry	*Alma*
Klein, Irene	*Chicago, Ill.*
Klenert, Florence Suzanne B.S.	*Stoughton*
Kleppel,Margaret	*Chicago, Ill.*
Klessig, Manilla	*Kewaskum*
Kletzien, Gretchen Emilie (LS)	*New Holstein*
Kline, Albert Adolph (LS)	*Verona*
Kline, E. Lucile	*New Kensington, Pa.*
Kline, Madge D.	*Beloit*
Kling, Virginia Ida B.S.	*Youngston, Ohio*
Klingman, William David	*Kenosha*
Klinger, Leo Joseph (LS)	*Cedar Rapids, Iowa*
Klopfenstein, Orna E. B.A.	*Toledo, Ohio*
Klune, Frances Marion (LS)	*Chisholm, Minn.*
Kluth, Amanda B.A.	*Clintonville*
Knapp, Alice LaRue (LS)	*Madison*
Knauf, William John (LS)	*Chilton*
Knechtges, Oswald John (E)	*Madison*
Kneer, Carsten Frederic	*Eau Claire*
Kney, Alice Stead (LS)	*Madison*
Knieber, Van	*Coloma, Mich.*
Knudson, George Willard (LS)	*Madison*
Knudson, Margaret Amanda	*Sturgeon Bay*
Knudson, Winifred Lucile	*Spencer, Iowa*
Koblich, Frank John	*Chicago, Ill.*
Koblishe, Marie Wilhelmine	*Muskegon, Mich.*
Koch, Elenora Margaret	*Wauwatosa*
Koch, Florence Marie	*Beloit*
Koehler, Anita Ella (LS)	*Medford*

Koehler, Frederich (LS)	*Medford*
Koenig, Norma Alinda	*Milwaukee*
Koenigsberg, Noah Meyer	*Chicago, Ill.*
Koepke, Harold Frederick	*Whitewater*
Koepsel, Florence S. (LS)	*Neenah*
Kohlhase, Faerie (LS)	*Chicago, Ill.*
Kohn, Charlotte Dorothy	*La Crosse*
Kolb, Robert S. (LS)	*Wauwatosa*
Kolbe, Anna Clara	*Cleveland, Ohio*
Koll, Elmer Henry (E)	*Milwaukee*
Konkol,Edward Jacob (L)	*Ashland*
Konynenburg, Marie	*St. Croix Falls*
Korfmacher, John Albert (E)	*Madison*
Koudelka, Laura Rosena	*Antigo*
Koutsky, Alice Beatrice	*North Fond du Lac*
Kowalczyk, Henry C. (A)	*Kenosha*
Kraft, Laurence Edward	*Menasha*
Krakow, Esther M.	*Deerfield*
Krallman, Esther Dorothea	*Gillespie, Ill.*
Kramer, Edward Noble (LS)	*Oregon*
Kranik, Marie Patricia	*Minneapolis, Minn.*
Kranzfelder, Joseph Godfrey (Mu)	*Bloomer*
Krapek, Anne Therese B.S.	*Osage, Iowa*
Krassner, Annette Edna	*Chicago, Ill.*
Kratsch, Arthur Edward (E)	*Oshkosh*
Kratz, Gertrude Julia	*Bosworth, Mo.*
Kratz, Katheryn Mary	*Detroit, Mich.*
Krause, Cheridah Marie	*Green Lake*
Krauskopf, Robert Mela (LS)	*Milwaukee*
Krauth, Nettie	*Louisville, Ky.*
Krchma, Lucy M.	*Casco*
Krebs, Maybell Cornish	*Fort Atkinson*
Krebs, Nina Irene	*Independence, Kans.*
Krehl, William Homer (M)	*Madison*
Krenz, Adolph Bruno (E)	*Onalaska*
Kresky, Joseph Lawrence (LS)	*Marinette*
Kresky, Michael Franklin Jr.	*Marinette*
Kreul, Mattie Leota B.A.	*Laurens, Iowa*
Kreuz, Robert Louis	*Menominee, Mich.*
Kroening, George Louis	*Jefferson*
Krohn, Mildred B.A.	*Oconomowoc*
Kroyer, Theodore J. (LS) (M)	*Madison*
Krueger, Charles Benjamine (E)	*De Pere*
Krueger, Clarence John	*Milwaukee*
Krueger, Lilly-Louise (LS)	*Ripon*
Krug, Marion Gladys (LS)	*Madison*
Krug, Robert Harvey B.A.	*Knowles*
Krumdick, Walter Edwin	*Mercer*
Krumhar, Hazel Belle B.A.	*Rocky River, Ohio*
Kruming, Paul Reginald	*Brooklyn, N. Y.*
Krumm, Clarence Joseph	*Elroy*
Kuckuk, Herbert John (A)	*Madison*
Kuczynski, Helen	*Hamtramck, Mich.*
Kuehl, Ann Louise	*Fountain City*
Kuehl, Carl A. (E)	*Two Rivers*
Kuehlthau, Hugo Louis (E)	*Superior*
Kuehn, Elsie Christine	*Detroit, Mich.*
Kuehn, Laura-Lou B. (LS)	*Burnett*
Kuehn, Marguerite Claire (LS)	*Milwaukee*
Kuehner, Emily Louise	*Cedarburg*

Kuehnert, Lucy Emma B.A.	*McDonald, Pa.*
Kuenne, Alma (LS)	*Ladysmith*
Kuhn, Florence Edna (LS)	*Detroit, Mich.*
Kuhns, Rella Evelyn	*Aurora, Ill.*
Kulp, John H. (E)	*Madison*
Kunz, Chester Anthony (E)	*Milwaukee*
Kusta, Julia Frances B.A.	*Two Rivers*
Kynaston, Don Drake (LS)	*Milwaukee*
Lack, Bessie Margaret (LS)	*Orchard, Iowa*
Ladd, Irma Edith B.S.	*Salina, Kans.*
Laird, Josephine Dorothy	*Erie, Pa.*
Lake, Drusilla Editha	*Viroqua*
La Londe, Edna Lena	*Flint, Mich.*
Lalor, Mary Mitchell	*Franklin Park, Ill.*
Lambeau, Ray Emil (LS)	*Green Bay*
Lambesis, Peter George	*Chicago, Ill.*
La More, Ruby Kristine (LS)	*Madison*
Lamont, Isabelle Carolyn	*Gile*
Lamoreaux, Edison Simon	*Janesville*
Lampman, Harry Gordon	*Mount Hope*
Lamson, Louise B.A.	*Fairfield, Iowa*
Lancaster, Margaret	*Decatur, Ill.*
Landers, Dorothy Belle	*Chicago, Ill.*
Landers, Helen Grace	*Chicago, Ill.*
Landis, Madge	*Macy, Ind.*
Landon, Harriet Clarissa	*Rochester, N. Y.*
Landsberg, Mrs. Regina Loevenhart	*Madison*
Landsverk, Arnold Olis Ph.B.	*Stoughton*
Landwehr, Erdmuth M.	*Milwaukee*
Lane, Katherine Mary	*Eagle*
Lane, Laura Minerva (LS)	*Madison*
Laney, Florence Margaret	*Alma Center*
Lang, Adele Lillian	*Kansas City, Mo.*
Lang, Viola Anna	*Chicago, Ill.*
Langdon, Ray H.	*La Crosse*
Langenbach, Gretchen Louise	*La Crosse*
Lape, Marie	*Vandolia, Ill.*
Larimer, Zella Zoe	*Ashley, N. Dak.*
Larkin, Alice Cecelia	*Whitewater*
Larkin, Della Ann	*Brodhead*
Larkin, Frances Monica	*Erie, Pa.*
La Rocca, Salvator Frank	*Chicago, Ill.*
Larsen, Hans Christian B.A.	*Edgerton*
Larsen, Margaret B.A.	*Berkeley, Cal.*
Larsen, Nora Ingeborg	*Mauston*
Larson, Carl Albert	*Kansas City, Mo.*
Larson, Cora Birdine	*Mondovi*
Larson, Garnet I.	*Minden, Nebr.*
Larson, La Verne E. (LS)	*Waukesha*
Larson, Marguerite Constance B.A.	*Sioux Falls, S. Dak.*
Larson, Violet Geneva (LS)	*Eau Claire*
Lasher, John Howard (LS)	*Madison*
Lassen, Harriet Iola B.L.	*Cedar Lake, Ind.*
Lathrop, Andrew William B.S. (G)	*Endicott, N. Y.*
Latz, Norbert Michael	*Chicago, Ill.*
Lau, Kai Fai	*Honolulu, Hawaii*
Laubenstein, Harold John (LS)	*Port Washington*
Lauder, Alice Mae	*Chicago, Ill.*
Laughlin, Dorothy Margaret	*Fond du Lac*
Laughlin, Llewellyn Ball (LS)	*Poynette*

Laughlin, Lucile Florence B.A.	*Antigo*
Laurenzana, Frank Marion	*Chicago, Ill.*
Lausche, Howard William (L)	*Madison*
Lautz, Amalia Elizabeth M.Ed.	*Buffalo, N. Y.*
Law, Ethel Margery B.A.	*Salina, Kans.*
Law, Helen Louise B.A.	*Monmouth, Ill.*
Law, Stanley G.	*Ashland*
Lawson, Ruth Marguerite	*Cheboygan, Mich.*
Lawson, Mrs. Vera Shearer B.M.	*Madison*
Laylan, Rollo Lorenzo (LS)	*Genoa*
Leader, Irene K.	*Duquesne, Pa.*
Leadstone, Ruth Denise	*Chicago, Ill.*
Lease, Elmer John (LS)	*Madison*
Lebecq, Ernestine Elizabeth	*Kansas City, Mo.*
Lechausse, Ralph Maurice (LS) (M)	*Newark, N. J.*
Lecomte, Vera Schmitt	*Madison*
Le Count, Kenneth Robert (LS)	*Madison*
Lee, Betty	*Indianapolis, Ind.*
Lee, Howard J. B.A. (M)	*Milwaukee*
Lee, Ingeborg K.	*Deerfield*
Lehmann, Frances Esther	*Wauwatosa*
Lehmkuhl, Marvin Adolph	*Oak Park, Ill.*
Lehne, Vera B.S.	*Pittsburgh, Pa.*
Leicht, Bronte Homer (LS)	*New Lisbon*
Leinbach, Mildred Clara	*Belvidere, Ill.*
Leissring, William	*Milwaukee*
Lembcke, Louis W.	*Milwaukee*
Lemberg, Elsa Alma	*Milwaukee*
Lemke, Norma Katherine	*Cadott*
Lemmer, Kenneth Elery (LS) (M)	*Spooner*
Lenz, Arno Thomas (E)	*Fond du Lac*
Lenz, Norma	*Oshkosh*
Lenzer, Su Amelia	*Madison*
Leonard, Arthur Bennett	*Danbury, Conn.*
Leonard, Mary Veronica	*Kansas City, Mo.*
Leonard, Nell	*Kansas City, Mo.*
Leonard, Nora Elizabeth	*Kansas City, Mo.*
Lerner, Esther Mildred (LS)	*Gary, Ind.*
Leroux, Pearl (LS)	*Sherry*
Letcher, Gwendolyn Muriel B.A.	*Madison*
Levenson, Charlotte Adeline (LS)	*Milwaukee*
Leverett, Donna Brooks	*Whiting, Ind.*
Levin, Harold Bernard	*Chicago, Ill.*
Levin, Maier Mitchel	*Terre Haute, Ind.*
Levine, Samuel	*Chicago, Ill.*
Levitas, Rose	*Chicago, Ill.*
Levitt, Marie B.A.	*Sailor Springs, Ill.*
Levy, Hyman	*Cleveland, Ohio*
Lewandowski, Leona Sada	*Watertown*
Lewis, Anna Florence	*La Crosse*
Lewis, Charles Noble (LS)	*Madison*
Lewis, Constance Marguerite	*Bloomington*
Lewis, Elizabeth Hudson	*Louisville, Ky.*
Lewis, Helene France B.S.	*Omaha, Nebr.*
Lewis, Janet Hobart	*Princeton, N. J.*
Lewis, Mabel Claire	*Bloiet*
Lewis, Mae	*Pasadena, Cal.*
Lewis, Phyllis	*Madison*
Lewis, Sanford Adolph (E)	*Madison*
Liang, Shih Chung	*Washington, D. C.*

Libby, Margherita Louise B.A.	*Madison*
Liberski, Lucille Theresa	*Milwaukee*
Lidbeck, Marjorie (LS) (WLS)	*Marinette*
Lieberman, Maurice (L)	*North Milwaukee*
Lieberman Samuel Louis	*Weehawken, N. J.*
Light, Barbara Molly	*Dayton, Ohio*
Lilja, Mildred Hilma	*Rockford, Ill.*
Lilygren, Stella I. (LS) (M)	*Madison*
Lind, Marjorie Ruth (LS)	*Hillsboro*
Lindas, Agnes Marie	*Deerfield*
Lindley, Mary Helen B.A.	*West York, Ill.*
Linfield, Lenore	*Kansas City, Mo.*
Linsley, Earl C.	*Madison*
Lint, Roy W.	*Mongo, Ind.*
Lipke, Frances Ruth	*Stratford*
Liske, Claire C. (LS(	*Pewaukee*
Litel, Edmund John (LS)	*Oregon*
Littel, Dorothy Theresa	*Sauk City*
Little, Burnett Mead	*Rockford, Ill.*
Little, Elizabeth Gray	*Fort Wayne, Ind.*
Little, Laura Estella	*Eleva*
Little, Mary Owen	*Green Bay*
Livergood, Florence Belle (LS)	*Madison*
Liveright, Alexander Albert (LS)	*Philadelphia, Pa.*
Livingston, Frank H.	*Wolf Point, Mont.*
Livingston, William Arnold	*Logansport, Ind.*
Lobb, Cecil Anora	*Bessemer, Mich.*
Lobdell, Ramona Bell	*Waukesha*
Lobeck, Frieda Clara	*Columbus*
Lochman, Sidney David	*Springfield, Ill.*
Lockett, Joe Louis	*Houston, Texas*
Lockhart, Lucy-Gale (LS)	*Mellen*
Loetscher, Lucille Eleanor B.A.	*Dubuque, Iowa*
Loffer, Ellen Elizabeth B.A.	*Meadville, Pa.*
Lofgren, Mabel Theresia	*Kansas City, Mo.*
Logeman, Lena Doris	*Milwaukee*
Lohuis, Kathrine Henrietta B.A.	*Cedar Grove*
Loken, Alfred H.	*Altoona*
Lon, Alves Ph.B.	*St. Louis, Mo.*
Long, Edmund Randolph	*Sturgis, Ky.*
Long, Esther Mildred	*Oakmont, Pa.*
Long, Gladys B.S.	*Watseka, Ill.*
Long, Mary Florine B.A.	*Liberty, S. C.*
Long, May Belle B.A.	*El Paso, Texas*
Long, Ruth Ida B.A.	*Watseka, Ill.*
Longsworth, Grace E.	*Fort Wayne, Ind.*
Loomis, Dorothy May	*Hartford, Conn.*
Lorrilliere, Mildred Katharine	*Fond du Lac*
Lotter, Martha	*Minden, Nebr.*
Lotwin, Rachael C. (LS)	*Menomonie*
Lound, Alice Cornelia	*Tomahawk*
Love, Ruth O. (M)	*Madison*
Loveland, Beatrice	*Poynette*
Loveless, Marie Helen	*Elroy*
Lovewell, Cecil Elwyn (E)	*Toledo, Ohio*
Lowry, Jean Elizabeth	*Waukesha*
Lowther, Mary Louise	*Louisville, Ky.*
Loyd, Blanche Leon B.S.	*Winona, Mo.*
Loyd, Pauline	*Winona, Mo.*
Luberg, Irene Margaret	*River Falls*

Luby, Helen Mae	*Chicago, Ill.*
Luby, Rhoda Louisa (LS)	*Milwaukee*
Lucas, Dorothy Eleanor (LS)	*Chicago, Ill.*
Lucas, Mary Rokes B.S.	*Independence, Mo.*
Luchsinger, Laura Belle	*Hemple, Mo.*
Lucht, Harold C. (E)	*Racine*
Luchterhand, Emil A. (E)	*Unity*
Luck, Ina B.A.	*Waupun*
Luebchow, Gertrude Margaret	*Wausau*
Luebchow, Irma E.	*Wausau*
Lueck, Clara Beatrice (LS)	*Watertown*
Lueck, Irving Buffum (E)	*Antigo*
Luell, Ruth Evelyn (LS)	*Milwaukee*
Lundgren, Frances Clara	*Madison*
Lundquist, Evalyn Hermina B.A.	*Red Wing, Minn.*
Lupfer, Josephine Elizabeth	*Granite City, Ill.*
Lurvey, Clayton P. (A)	*Dousman*
Lussier, Maria Monica	*Fond du Lac*
Lustgarten, Earl M. B.A.	*Chicago, Ill.*
Luther, Vivien Emily	*Neenah*
Lyman, Auta Eveline B.A.	*Madison*
Lynch, Gladys Salina (LS)	*Lake Nebagamon*
Lynch, Lucille Charlotte (LS)	*Madison*
Lynch, Mary Frances	*Granite City, Ill.*
Lynn, Herchel V.	*Byron, Ill.*
Lyon, Archie K.	*Augusta*
Lyon, Widney (LS)	*St. Louis, Mo.*
Lyons, Catherine A.	*Pittsburgh, Pa.*
Lyons, Catherine Marie	*Chicago, Ill.*
Lyons, Edward Jr.	*Brooklyn, N. Y.*
Lyons, Thirza Mae	*Madison*
McAleenan, Henry Malcolm	*New York, N. Y.*
MacArdle, Mary Helena	*Indianapolis, Ind.*
MacArthur, Grace Isabel B.A.	*Chicago, Ill.*
McAuliffe, John Theodore B.S.	*Butte, Mont.*
McAuliffe, Nellie	*Newton, Kans.*
McBride, Carl	*Waldron, Ind.*
McCaffrey, Erma B.	*Beloit*
McCallum, Henry D.	*Austin, Texas*
McCanse, Ralph Alan M.A. (G)	*Springfield, Mo.*
McCarron, Lucy	*Medford*
McCarter, Eva Eason	*New York City, N. Y.*
McCarter, Janet Ruth (A)	*Madison*
McCarthy, Florence Clare (LS)	*Antigo*
McCarthy, Frances Ann	*Duluth, Minn.*
McCarthy, Frank Davey (LS) (M)	*Ponca, Nebr.*
McCarthy, Margaret Elaine	*Antigo*
McCarthy, Margaret Mary B.A.	*Mellen*
MacCartney, William Robert (LS)	*Chicago, Ill.*
McCarty, Clara May	*Kansas City, Mo.*
McCarville, Mary Mercedes	*Darlington*
McCauley, Clementine	*St. James, Mich.*
McCauley, Gertrude Eve	*Chicago, Ill.*
MacClain, Gladys May	*Wilkinsburg, Pa.*
McClanahan, Margaret	*Fulton, Mo.*
McClenahan, He'en Frances	*Sycamore, Ill.*
McClun, John Edgar (LS)	*Chicago, Ill.*
McClung, Elizabeth Campbell B.S.	*Lexington, Va.*
McClure, Frances F.	*St. Louis, Mo.*
McClyman, Lola Ione	*Grand Marsh*

McCombs, G. Viola Birge	*Eau Claire*
McConaha, Fred	*Oaklandon, Ind.*
McCord, Katharine Elaine	*Danville, Ill.*
McCormick, Ethel Helen (LS)	*Madison*
McCormick, Harriet Ida	*Emden, Ill.*
McCrary, Amelia Jane	*Detroit, Mich.*
McCray, Veda B.A.	*Middletown, Ohio*
McCrea, Forrest Draper Ph.D.	*Madison*
MacCulloch, Kathlyn Muriel B.A.	*Nashua, Iowa*
MacCulloch, Marguerite Buel B.A.	*Nashua, Iowa*
McCullough, Dorothy Avis	*Gurnee, Ill.*
McCulough, Helen Marian (LS)	*Fond du Lac*
McCullough, Louise	*Chicago, Ill.*
McCullough, Mildred Grace	*Gurnee, Ill.*
McCurdy, Marian Besse M.A.	*Cambridge, Mass.*
McCutcheon, Keith	*Arena*
McDermand, Thomas Lionel (LS)	*Manitowoc*
McDermott, Olive Catharine	*New Richmond*
McDermott, Regina Marianne	*Oregon*
McDonald, Helen Gates B.A.	*Kansas City, Mo.*
McDonald, Louise	*Indianapolis, Ind.*
McDonough, Kenneth Bernard (M)	*Toledo, Ohio*
McDunnough, Isabel	*Superior*
McElhattan, Vera Frances	*Shippensville, Pa.*
McEvilly, Eleanore Mary (LS)	*Madison*
McFadden, Colette Lillian Ph.B.	*Whiting, Ind.*
McFarland, Mary Anne	*Kansas City, Mo.*
McFarlane, Donald J.	*Janesville*
McFarlane, Madeline Eleanor	*Madison*
McGaughey, Elizabeth Louise	*Cincinnati, Ohio*
McGee, Annele Helène	*Milwaukee*
McGee, Edith E.	*Norwood, Ohio*
McGehee, Martha Lane	*Washington, D. C.*
McGill, Bernice Loretta	*Avoca*
McGillivray, Catherine	*Chippewa Falls*
McGinley, Genevieve Elizabeth	*Janesville*
McGinn, Mary E.	*Eastman*
McGlone, Alida Mary	*Antigo*
McGlynn, Thomas Joseph	*De Pere*
McGonigle, Bart Eugene B.S.	*Chicago, Ill.*
McGovern, John Neilson	*Milwaukee*
McGrananhan, Floyd M.A.	*Beloit*
McGrath, Caryl Bacon B.A.	*Madison*
McGrath, Malcolm F.	*Elkader, Iowa*
McGuire, Helen Mary	*Monticello*
McInnes, Malcolm Lamson	*Chicago, Ill.*
McIntyre, Evelyn Booth	*Glenwood City*
McKay, Catherine Marie B.S.	*Huron, S. Dak.*
McKay, Katherine	*Marinette*
McKee, Frank Joseph (E)	*Madison*
McKee, Mary Belle (E)	*Birmingham, Ohio*
McKeith, Bessie Helen	*Milwaukee*
McKellar, Alpha Leyle (LS)	*Blanchardville*
McKenzie, H. Natalie	*Kenosha*
McKibbin, Dora B.	*Rhinelander*
McKibbin, Wilbur Blaine B.A.	*Chicago, Ill.*
McKinnell, Helen Jessie	*Alden, Ill.*
McKitrick, Seth Redford (LS)	*Madison*
MacLachlan, Fergus G.	*Greenwood*
McLane, Daniel E.	*West Bend*

MacLaren, Catherine M.	*Appleton*
McLaughlin, George William	*Manitowoc*
McLellan, Wanda Elizabeth	*Granite City, Ill.*
McLeod, Arthur Manning	*Madison*
McManamy, Inez M. (G)	*Madison*
McMechan, Beulah Pearl	*Indianapolis, Ind.*
McMillan, Charlotte Jane	*Packwaukee*
McNab, Norma Relyea	*Taylor*
McNamara, Cecilia Marjorie	*Chicago, Ill.*
MacNamara, Faye Mildred	*Ironwood, Mich.*
McNamara, John B. (LS)	*Superior*
McNaught, Maurice Landon	*Lowder, Ill.*
McNeel, Alice Katherine (LS)	*Beloit*
McNeill, Johnnie Lewis B.S.	*Greenville, Texas*
McNown, William Arthur	*New Lisbon*
McNutt, Grace	*Oxford*
McNutt, William Charles	*St. Louis, Mo.*
McPhillips, Mozelle	*Cheyenne, Wyo.*
McQueen, Mildred Alice	*Tillsonburg, Ont., Can.*
McQuillan, Lucille Mary	*Chippewa Falls*
MacRae, Isabel Annette	*Mount Pleasant, Mich.*
MacRae, Margaret	*Bayfield*
Mabon, Orra Marian B.A.	*Claremont, Cal.*
Mabus, Ruth Elisabeth B.A.	*Ackerman, Miss.*
Macferran, Kenneth Shellabarger	*Topeka, Kans.*
Mack, David Starr	*Madison*
Mackenzie, Edith Frances	*Oshkosh*
Maclennan, Norah Cunningham	*Toronto, Ont., Can.*
Macomber, Rachel Ball	*New Lisbon*
Madden, Virginia Mary	*Chicago, Ill.*
Madsen, Alice Romona	*Eau Claire*
Magnus, Bernice Marion B.A.	*Winona, Minn.*
Maher, Katherine Ruth B.S.	*Toledo, Ohio*
Mahorney, Elizabeth	*Crawfordsville, Ind.*
Male, Anna Eleanor	*Gloversville, N. Y.*
Malec, Ethel B.A.	*Madison*
Maley, Ann Lenore	*Chicago, Ill.*
Malikowski, Helen Charlotte	*Kingston, Pa.*
Mallory, Catheryn V.	*Kewanee, Ill.*
Malmberg, Mildred Eleanor	*Chicago, Ill.*
Manaster, Rosalyn	*Chicago, Ill.*
Manaster, Saul (LS)	*Chicago, Ill.*
Manning, Kathryn E. (LS)	*Clark, S. Dak.*
Manning, Walter Philippe	*Mellen*
Mansfield, Nellie Catherine	*Mattoon, Ill.*
Manussovich, Shoshano Sosey	*Chicago, Ill.*
March, Esther B.S.	*Bowling Green, Ohio.*
Margolis, Milton J. (LS)	*Milwaukee*
Mariner, Genevieve	*Youngstown, Ohio*
Markham, George Edward (LS)	*Manitowoc*
Markley, Elsie Pauline B.A.	*Belle Plaine, Kans.*
Marks, Laura Eleanor	*Austin, Texas*
Marks, Ocie G.	*La Grange, Ill.*
Marks, Theresa (LS)	*New York City, N. Y.*
Marquardt, Ralph Robert (LS)	*Sauk City*
Marquart, Philip Butler M.A. (G) (M)	*Madison*
Marsh, Alice (LS)	*Orlando, Fla.*
Marsh, Grace Edith	*Brodhead*
Marshall, Grace Ellis	*La Valle*
Marshall, Margy (A)	*Madison*

Marshall, Marian Winifred B.S.	*Colony, Kans.*
Marshall, Stanley B.	*Blanchardville*
Marshall, Wallace Sydney (LS) (M)	*Appleton*
Marsico, John	*Elyria, Ohio*
Martens, Anna Elizabeth	*Peoria, Ill.*
Martin, Cecil William B.S.	*Covington, Ind.*
Martin, David Thomas	*Kearney, Nebr.*
Martin, Eleanor Harriet	*Cincinnati, Ohio*
Martin, Elouise Aurelia	*Muskegon, Mich.*
Martin, Frances	*Fort Thomas, Ky.*
Martin, Kathryn Marie	*Chicago, Ill.*
Martin, Laura Vivian	*Ladysmith*
Martin, Martha E. B.A.	*Elmhurst, N. Y.*
Martin, Merlin Lawrence (E)	*Fond du Lac*
Martin, Mildred Catherine B.A.	*Green Bay*
Martin, Ruth Carmen	*Iron Mountain, Mich.*
Martineau, James Anthony (LS)	*Marinette*
Martinek, Helen Margaret	*Menominee, Mich.*
Martinson, Esther Linnea	*Roslindale, Mass.*
Martz, Guy Earl	*Milwaukee*
Mason, Estelle Julia	*Mauston*
Mason, Inez Loretta (A)	*Beaver Dam*
Mason, Jack William (Mu)	*Canton, Ohio*
Massie, Mary Catherine	*Austin, Texas*
Mather, Erica Winifred B.S.	*Montclair, N. J.*
Mather, Myra M.A.	*Joliet, Ill.*
Mather, Winifred Mary	*Montclair, N. J.*
Mathew, Kathryn Powell	*Chicago, Ill.*
Mathews, Margaret B.A.	*Baltimore, Md.*
Mathews, Nina B.	*Colfax*
Mathews, Paul Wentworth B.S.	*Lexington, Ky.*
Mathison, E. Wilhelmina	*Woodstock, Ill.*
Matsui, Takejiro	*Chicago, Ill.*
Matthews, Charles William (E)	*Milwaukee*
Mathews, Mary Hargan	*Lowell, Mich.*
Mattingly, Evelyn Matilda B.A.	*Nashville, Tenn.*
Mattison, Mrs. William	*Stoughton*
Maurer, Helen (LS)	*Antigo*
Maurer, Maurine D. (LS)	*Madison*
Maury, Mrs. William Perkins L. I.	*St. Louis, Mo.*
Max, Hannah (LS)	*Sheboygan*
Maxham, Kenneth E. (E)	*Reedsburg*
Maxwell, Josephine B.S.	*Reynoldsburg, Ohio*
Mayeda, Toshimitsu	*Exeter, N. H.*
Mayer, Mildred Ann	*Chippewa Falls*
Mayer, Sophie P. (LS)	*Wauwatosa*
Maynard, Ted Edward (LS)	*Greenville, Ill.*
Mead, Franklin Braidwood (E)	*Madison*
Meade, Alta Mae	*Bedford, Ohio*
Meade, Donald, E. (LS)	*Hays, Kans.*
Meade, Mike Henry	*Hurley*
Meagher, Loretta Florence (A)	*Fox Lake*
Meagher, Margaret Grace	*Pawtucket, R. I.*
Mee, Charles Harry (G) (LS)	*Oklohoma City, Okla.*
Meehan, Vera Gene (LS)	*Johnstown, Pa.*
Meeuwsen, Quentin J.	*Oconto*
Mehl, Esther C.	*Louisville, Ky.*
Melby, Oscar C.	*Eau Claire*
Mellody, Margaret (LS)	*Chicago, Ill.*
Melnik, Morton Franklin (LS)	*Madison*

Meloy, Katherine Grace	*Madison*
Melton, Viola Virginia B.A.	*Henderson, Ky.*
Melvin, Roy Earl	*Wausau*
Mendenhall, Carl Scott B.A.	*Madison*
Menestrena, Floyd Cyril (E)	*Gile*
Meng, Grace Elizabeth	*Indianapolis, Ind.*
Menges, Claire Louise (LS)	*Madison*
Menges, Hugh Waggoner	*New York City, N. Y.*
Menz, Harold A. (A)	*Waterloo*
Mercer, Mary A.	*Pittsburgh, Pa.*
Mercier, Cleo Elizabeth B.S.	*Perryville, Mo.*
Merriam Marjorie Allen	*Toledo, Ohio*
Merrick, Rose Veronica	*Minneapolis, Minn.*
Merry, Harold Monroe (LS)	*Geneva, N. Y.*
Mertsky, Grace Charlotte	*Western Springs, Ill.*
Merz, H. Spencer (E)	*Milwaukee*
Messer, Grace Eliza	*Toledo, Ohio*
Messinger, Margaret Barclay	*Branch Hill, Ohio*
Metcalf, Isaac Fred	*Loganville*
Metz, Orlando Thorp (LS)	*Springfield, Ill.*
Meuleman, Blanche E.	*Milwaukee*
Meuli, Mildred Kathleen (A)	*Chippewa Falls*
Meusel, Sarah Jane (A)	*Fond du Lac*
Meyer, Avis	*Fort Atkinson*
Meyer, George Edwin	*Flora, Ill.*
Meyer, Hannah Christine	*Elgin, Ill.*
Meyer, J. Harold B.S.	*Louisville, Ky.*
Meyer, Mary Lourds B.A.	*Dubuque, Iowa*
Meyer, Naomi Frances	*Dayton, Ohio*
Meyer, Rose L. B.A.	*Campbellsport*
Meyer, Sylvia Elizabeth (LS)	*Washington, D. C.*
Meyers, Golda Keidan	*Detroit, Mich.*
Meyers, Shiley Hazel B.S.	*Evansville*
Meyst, James Gardner	*Milwaukee*
Michael, Grace M.	*Liberty Center, Ind.*
Middleton, Helen Zelma	*Diamond, Ohio*
Middleton, Thomas Michael	*Palisade, N. J.*
Midelfart, Peter Albert B.A.	*Eau Claire*
Miehlke, Ethel	*La Grange, Ill.*
Mielke, Hattie	*Templeton*
Miles, Ruth	*Martinsville, Ind.*
Milford, Beryl Elizabeth	*Detroit, Mich.*
Milks, Elizabeth Cawley (LS)	*Terre Haute, Ind.*
Millard, Edward Patterson	*Hammond, Ind.*
Miller, Allen Gordon	*New York City, N. Y.*
Miller, Earl Roy (LS)	*Milwaukee*
Miller, Ely Pinkney B.S.	*Jackson, Mo.*
Miller, Elizabeth Isabell	*Conneaut, Ohio*
Miller, Ethel A. B.S.	*Janesville*
Miller, Florence Bertha	*Mauston*
Miller, George Henry (LS)	*Beloit*
Miller, Helen Jordan	*Avalon, Pa.*
Miller, Janet Koren (LS)	*Marinette*
Miller, Lena Marcia	*Mount Vernon, N. Y.*
Miller, Marjorie May	*Richmond, Va.*
Miller, Mary Seale	*Okalona, Miss.*
Miller, Maurice	*Chicago, Ill.*
Miller, Phyllis Louise	*Tarentum, Pa.*
Miller, Raymond Carl	*Madison*
Miller, Viola Mae (LS)	*Verona*

Miller, W. Lycan (LS)	*La Crosse*
Miller, William Hugh	*Osborn, Ohio*
Mills, Howard Earlston	*Poynette*
Mills, Isabel May	*Endeavor*
Milmoe, Marian McChesney	*Glen Ellyn, Ill.*
Milnitz, Lillie L.	*Milwaukee*
Miltenberger, June Elizabeth	*Webster Groves, Mo.*
Minch, Margaret Catharine (LS)	*Madison*
Mink, Lois Muriel	*South Whitley, Ind.*
Minnis, Enola R.	*Burlington*
Minshall, Sarah Elizabeth	*Viroqua*
Minskey, Regina Helen	*Wautoma*
Minton, Gertrude Eleanor B.S.	*Houston, Texas*
Mirza, Garahed Sarkis (LS)	*Madison*
Mitchell, Bertha Olivia B.A.	*Milesburg, Pa.*
Mitchell, Harry Lewis	*Chicago, Ill.*
Mitchell, Philip Shirley B.A.	*Wittenberg*
Mitchell, Russell Gatz	*Palos Park, Ill.*
Miu, Ting Lian B.A.	*Kiangsu, China*
Moe, Gena	*North Menomonie*
Moehlenpah, Alice B.A.	*Milwaukee*
Moen, Ida Gertrude	*Mason*
Moffatt, John Stuart B.A. (M)	*Arpin*
Moffat, Mrs. Ruth Emily	*Detroit, Mich.*
Moffitt, Elizabeth Bender	*Philadelphia, Pa.*
Moh, Kai Ki	*Shanghai, China*
Mohardt, Pat Leigh (LS)	*Flint, Mich.*
Mohler, Catherine H. (LS)	*Madison*
Mohler, Jennie Elizabeth	*Chicago, Ill.*
Moll, Lulu	*Wisconsin Rapids*
Molony, Muriel M.S.	*Kansas City, Mo.*
Molstad, Agnes Beatrice	*Rio*
Moncar-Sellen, Iris Edith	*Madison*
Montgomery, Rhoda Vernon	*Detroit, Mich.*
Montgomery, Robert V.	*Waldron, Ind.*
Mooney, Elizabeth Mary B.A.	*Pittsburgh, Pa.*
Mooney, Gladys Frances	*Forrest, Ill.*
Mooney, Grace	*Pittsburgh, Pa.*
Moore, Anna Belle	*Boonville, Mo.*
Moore, Anna Margaret	*Oakmont, Pa.*
Moore, Edith Champ (LS)	*Lancaster, Ky.*
Moore, John B. (E)	*Orangeville, Ill.*
Moore, Margaret Anning (A)	*Monroe*
Moore, Margera Howard M.A.	*Muskegon, Mich.*
Moore, Marion Sophia	*Brodhead*
Moore, Mary	*Homer, La.*
Moore, Ralph N. (LS)	*Madison*
Moran, John Edward	*Madison*
Morehead, Elmer W.	*Mazomanie*
Moreland, James Wilber	*Dunn Center, N. Dak.*
Morgan, John Evan (LS)	*Spring Green*
Morgan, Mildred B.A.	*Madison*
Morgan, Minnie Christina	*Douglas, Ariz.*
Morley, Grace Card B.S.	*Madison*
Morr, George Lehman B.A.	*Ashland, Ohio*
Morray, Elizabeth Anne	*Duluth, Minn.*
Morris, Clara Jeanette	*East St. Louis, Mo.*
Morris, Edrys Fay (A)	*Cambria*
Morris, Elizabeth B.S.	*Lexington, Ky.*
Morris, Hannah M.A.	*Dodgeville*

Morris, J. Lucile	*Fort Atkinson*
Morris, Jack Russell (LS)	*San Antonio, Texas*
Morrison, Dora Lee	*Russell, Kans.*
Morrison, Russell Caldwell (LS) (M)	*Madison*
Morrissey, Donald Rothman (LS)	*Chilton*
Morrow, Archie W.	*Madison*
Morrow, Genevieve B.A.	*Kansas City, Mo.*
Morrow, Glennie Elizabeth	*Madison*
Morrow, Raymond Madison B.A.	*Rotan, Texas*
Morse, Orson Stephen	*Richland Center*
Mortensen, Charlotte Theresa	*Chicago, Ill.*
Mortensen, Irene Dorothea	*Omaha, Nebr.*
Mortensen, Mary Jane Seaman (LS)	*Milwaukee*
Mortensen, May Seaman B.A.	*Milwaukee*
Mortiboy, Cassie N.	*New Lisbon*
Mortiboy, Forrest Edmund	*New Lisbon*
Morton, Gladys Marie	*Darien*
Morton, Sue Elizabeth B.A.	*Crawfordsville, Ind.*
Moses, Libbie B.A.	*Saratoga, Iowa*
Moss, Alice Randall	*Kansas City, Mo.*
Mountjoy, Alice Louise B.A.	*Kansas City, Mo.*
Mowatt, Gertrude Elizabeth	*Ashland*
Moyes, L. Pearl	*Sharpsburg, Pa.*
Muddle, William Charles (LS)	*Gloversville, N. Y.*
Muegge, Walter A.	*Lena, Ill.*
Muehlhausen, Marion Laurane	*Chicago, Ill.*
Mueller, Anna Agnes	*Ithaca*
Mueller, Carl Frederickson (LS)	*Madison*
Mueller, Florence Jean (LS)	*Milwaukee*
Mueller, Gertrude Esther (LS)	*Watertown*
Mueller, John Robert (E)	*Milwaukee*
Mueller, Ruth Jeanne (LS)	*Milwaukee*
Mueller, Walter Frederick (E)	*Fountain City*
Mullane, Alice H.	*Louisville, Ky.*
Mullen, Ruth Sally (LS	*Madison*
Muller, Walter J.	*Madison*
Mulligan, Jennie Veronica B.A.	*Athens, Ohio*
Mulry, Verna Catherine	*Hixton*
Mundstock, Edward Henry (LS)	*Blooming Grove*
Mundy, Julia May	*Fort Atkinson*
Munroe, Jeanette E. B.A.	*Lancaster, Texas*
Munson, Bernice M. (LS)	*London*
Murdock, Ellison F. (LS)	*Detroit, Mich.*
Murphy, Henrietta Elizabeth	*Marinette*
Murphy, Louise Marion B.A.	*St. Louis, Mo.*
Murphy, Paul Frances (LS)	*Madison*
Murphy, William Beverly (E)	*Appleton*
Murray, Agnes D.	*Chicago, Ill.*
Murray, George Henry	*Norwich, Conn.*
Murray, Hazel Hopkins	*Norwich, Conn.*
Mutch, E. J. Ph.B.	*Hillsboro*
Mutchler, Russel Verne (LS)	*Verona*
Muzzy, Francis Nekton	*Madison*
Muzzy, Mary Stanford	*Madison*
Myers, Mamie Roberts	*Memphis, Tenn.*
Mynatt, Marjorie Fans	*Kansas City, Mo.*
Myrell, Ruby Adelphine	*Knapp*
Mytinger, Grace Amanda	*Chillicothe, Ohio*
Nagel, Edna Ottilia (LS)	*Elkhart Lake*
Nagle, Elsa	*Waldo*

Nangle, Kathleen Isabelle	*Chicago, Ill.*
Nantz, Louise B. B.A.	*Carlinville, Ill.*
Nappe, Clara Elizabeth	*Elkhorn*
Naset, Clarice Ann (LS)	*Sparta*
Nash, Edith Ziems	*South Bend, Ind.*
Nash, Edward William (LS)	*Peoria, Ill.*
Nash, Fred A.	*Omaha, Nebr.*
Nash, Jean	*Wisconsin Rapids*
Nash, Philleo (LS)	*Wisconsin Rapids*
Natenson, Adolph Lee	*La Crosse*
Naujoks, Clarence Karl (LS)	*Madison*
Nauts, Alice A. (LS)	*Toledo, Ohio*
Nehls, Raymond A. Ph.B.	*Hustisford*
Neiman, Helen Isabel B.S.	*Whitewater, Kans.*
Neitzel, Dorothy Mae	*Burnett*
Neller, Richard Karl (E)	*Appleton*
Nelson, Alice Lennea (LS)	*Chicago, Ill.*
Nelson, Dorothy Marie	*Mattoon*
Nelson, Elizabeth Virginia (LS)	*Madison*
Nelson, George Hiram (LS)	*Madison*
Nelson, Howard C.	*Monmouth, Ill.*
Nelson, Howard Peter	*Chicago, Ill.*
Nelson, Josephine B.A.	*Waupaca*
Nelson, Leonard Edward (LS)	*Madison*
Nelson, Meta Gertrude	*Algonquin, Ill.*
Nelson, Ruth Mae B.S.	*Waupaca*
Nelson, William Chapple	*Edinboro, Pa.*
Nerad, Josephine Rosa	*Racine*
Nesbitt, Marion E. B.A.	*Warren, Ohio*
Nessel, Louise Regina	*Chicago, Ill.*
Nesthus, Flora Ethel	*Deerfield*
Neuhauser, George Roy (LS)	*Pierre, S. Dak.*
Neumann, Hilda Wilma	*Sauk City*
Newburg, Jane Ellen	*La Crosse*
Newburn, Ruth Theodora	*Washington, D. C.*
Newcomb, Charles Jones (LS) (M)	*Waupun*
Newman, Blanche Genevieve B. A.	*Philadelphia, Pa.*
Newman, Hannah	*Milwaukee*
Nicklas, Pearl Mary	*Conoquenessing, Pa.*
Neibuhr, William August (LS) (M)	*La Crosse*
Niehoff, Anna Emma	*East St. Louis, Mo.*
Nightingale, Agnes Felicia	*Milwaukee*
Nilson, Elizabeth B.A.	*Glencoe, Ill.*
Nimmo, John H.	*Detroit, Mich.*
Nimtz, Frank Joseph	*Edgar*
Niswonger, Chole Zela M.A.	*Dayton, Ohio*
Nixon, Audrey. E.	*Woolridge, Mo.*
Noetzel, Ambrosia C. B.S.	*Greenwood*
Noetzel, Ruth Hazel	*Greenwood*
Nolan, Bernice Sylvene	*Chicago, Ill.*
Noland, Celeste Veronica	*Kansas City, Mo.*
Noland, Ethel Mary	*Independence, Mo.*
Noland, Nellie Tilford	*Independence, Mo.*
Norman, Georgia Evelyn	*Madison*
Normington, Roy Thordyke	*Port Edwards*
Norris, Leighton Cyrus (LS)	*Madison*
Norris, Lucy E.	*La Moille, Ill.*
Northway, Lois Elleana	*Kenosha*
Norton, Ethel Gloster M.A.	*Birmingham, Ala.*
Norwood, Julia Fay	*Nashville, Tenn.*

Nott, Mabel Lela (Mu)	*Janesville*
Noun, Maurice Henri B.S.	*Minneapolis, Minn.*
Nowels, Helen Wasson M.A.	*Columbia City, Ind.*
Noyes, Marian M. (LS)	*Muscoda*
Nutt, Othelle	*Taylorville, Ill.*
Nyden, Ruby Carolyn (LS)	*Chicago, Ill.*
Nye, Carolyn Lorraine (LS)	*Madison*
Nye, Grace Evelyn B.S.	*Harrisburg, Pa.*
Nye, Richard Bennett (LS)	*Oak Park, Ill.*
Nystrum, Gertrude Helman B.A.	*Mellen*
Oakey, John Arthur	*Madison*
Oakley, Elizabeth B.A.	*Quincy, Ill.*
Obelenus, Stanley Charles	*Chicago, Ill.*
Oberdeck, Lydia Louise B.A.	*Edgerton*
O'Brien, Erma Ruth	*Le Mars, Iowa*
O'Brien Lillian Elinor	*Davenport, Iowa*
O'Brien, Winifred (LS)	*Milwaukee*
Ochsner, Clarence George (LS) (M)	*Knowles*
O'Conner, Mary Margaret B.A.	*Dubuque, Iowa*
Oden, Mary	*St. Petersburg, Fla.*
O'Dwyer, Lucille Cecelia	*Dane*
Oelmiller, Alma Katherine (LS)	*Madison*
Oerting, Ella B.A.	*White Bear, Minn.*
Offerdahl, Reba Myrtle	*Hudson*
O'Gorman, Florence Irene	*St. Louis, Mo.*
O'Gorman, Mildred Lucille	*St. Louis, Mo.*
O'Hara, Margery Elizabeth (A)	*Mazomanie*
Olcott, Emma	*Milwaukee*
Oldridge, Chole	*Anna, Ill.*
Oldridge, Erle Leslie	*Anna, Ill.*
Olds, Harriet S. (LS)	*Madison*
O'Leary, Frances Loretta	*Chicago, Ill.*
O'Leary, Margaret Rita B.A.	*Appleton*
Olenick, Ivy Sara	*Chicago, Ill.*
Olkon, Ivan A.	*St. Paul, Minn.*
Olsen, Selma Elizabeth	*Fairchild*
Olshefsky, Sophia Marie	*Detroit, Mich.*
Olson, Agnes Eleanora B.S.	*Madison*
Olson, Anna Dorothy	*Forest City, Iowa*
Olson, Byron J.	*Blanchardville*
Olson, Carl Porter (LS)	*Sheboygan*
Olson, Clare Irene	*Stoughton*
Olson, Cora Eleanora	*Waupun*
Olson, Edith Emelia	*Ashtabula, Ohio*
Olson, Edna R.	*Chicago, Ill.*
Olson, Ethel Victoria	*Duluth, Minn.*
Olson, Eva J. Ph.B.	*Blanchardville*
Olson, Florence Gertrude	*Eau Claire*
Olson, Florence Lillian B.A.	*Webster, S. Dak.*
Olson, Helen May Marie	*Wilmette, Ill.*
Olson, Inez J. (A)	*Blanchardville*
Olson, Mary Louise	*Jefferson*
Olson, Orla Gladys	*Hillsboro*
Olson, Oscar Hjalmar B.A.	*Eau Claire*
Olson, Walter A.	*Stanley*
Olson, William Oscar	*Mount Horeb*
O'Malia, Eunice Martha	*Pecatonica, Ill.*
O'Malia, Mildred Gertrude	*Pecatonica, Ill.*
O'Neal, Anna Katherine	*Ghent, Ky.*
O'Neil, Margaret Ethel Ph.B.	*Cloquet, Minn.*

Onsgard, Leonard Melvin B.A.	*Madison*
Onsrud, Emma Harriet	*Madison*
Opitz, Sophie Marie	*Medford*
Oppermann, William Frank	*Clintonville*
O'Rourke, Timothy E.	*Ellsworth, Minn.*
Orr, Ivanelle (LS)	*Bloomington*
Orr, Louise Lyle (LS)	*Oklahoma City, Okla.*
Osborne, Elizabeth Crawford	*Madison*
Osterbind, Helen (LS)	*Monroe*
Osthoff, Frances (LS)	*Dubuque, Iowa*
O'Toole Marceline Catherine	*Chicago, Ill.*
O'Toole, Thomas Bernard B.A.	*Dubuque, Iowa*
Ott, Wilma Kathryn	*Chicago, Ill.*
Otterson, Joseph Orlando B.A.	*Madison*
Otteson, Mabel	*Eau Claire*
Ottman, Edith Marie	*Greenville, Ohio*
Ottman, Othello Otis B.A.	*Greenville, Ohio*
Otto, Maragreta Alice	*Chicago, Ill.*
Overgard, Albon William	*Cashton*
Overton, Mrs. Isabel Ames	*Madison*
Overton, James Bertram (LS) (M)	*Madison*
Owen, Folkhart Johnson	*Milwaukee*
Owen, Gaylord T. (LS)	*Madison*
Owen, Neva B.	*Chilo, Ohio*
Packard, Jay Wesley	*Poynette*
Paff, Arthur Benjamin	*Elk Mound*
Page, Barbara Alice B.S.	*Leeds, N. Dak.*
Page, Kenneth Melville	*Wilmette, Ill.*
Pahlmeyer, Ralph B. (LS)	*Madison*
Paige, Mary H. M.A.	*Terre Haute, Ind.*
Palm, Berniece Ethel B.A.	*Huron, S. Dak.*
Palmer, Alice Elizabeth	*Madison*
Palmer, Grace Aileen	*Milwaukee*
Palmer, Kate Loomis	*Milwaukee*
Palmer, Ruth	*Stoughton*
Paradise, Fred Alton (LS)	*Manila, P. I.*
Parent, Mrs. Amber Lavenia B.S.	*Ottawa, Kans.*
Parham, Margaret B.A.	*Madison*
Park, Ben Herbert B.A.	*Ottawa, Ill.*
Parker, Edythia Lucille	*Erie, Pa.*
Parker, Gladys R. B.A.	*Osage, Iowa*
Parker, Mabel Marcella (LS)	*Berlin*
Parker, Ruth Ritchey	*Ghent, Ky.*
Parker, W. Howard (LS) (M)	*Byron, Minn.*
Parkinson, Myra	*Madison*
Parks, Mary	*San Fransisco, Cal.*
Parks, Verna Ann	*St Cloud, Minn.*
Parry, Ferold Ann	*Dodgeville*
Parsons, Joseph Alvian B.S.	*De Queen, Ark.*
Parsons, Rolland W.	*Martintown*
Parvin, Jean W. B.A.	*Plattsburg, Mo.*
Pate, Susie Eeleanor	*Owensboro, Ky.*
Patee, Augusta Wicker	*Bethel, Conn.*
Patee, Lucy Eleanor	*Bethel, Conn.*
Patrick, Mary Margaret	*Indianapolis, Ind.*
Pattee, Dorothy Janet (LS)	*Pueblo, Colo.*
Patterson, Blanche Lucille (LS)	*Madison*
Patterson, Elizabeth B.A.	*Chicago, Ill.*
Patterson, Margaret Jane B.S.	*Holly, Mich.*
Patterson, Margaret Marie	*Dodgeville*

Patterson, Susie Elizabeth	*Prairie du Sac*
Patton, Mildred Ruth B.S.	*Dayton, Pa.*
Patton, Roberta Ernestine	*Byesville, Ohio*
Paul, Adelaide Cole	*Oklahoma City, Okla.*
Paul, Elizabeth Harriet (LS)	*Racine*
Paul, George Stewart (E)	*Northome, Minn.*
Paull, Frood William	*Spring Green*
Paulman, Henry	*Chicago, Ill.*
Paulsel, Joyce	*Noblesville, Ind.*
Paulsen, Helen Lucile B.A.	*Sparta*
Paulson, Charlotte Eufemie	*Two Harbors, Minn.*
Paulson, Florence M.	*Rockford, Ill.*
Paulson, Glen Erwin (LS)	*Verona*
Paulson, Grace	*Rockford, Ill.*
Paulson, Hazel C.	*Mount Horeb*
Paulson, Mabelle Idelia	*Stoughton*
Paustian, Albert Ferdinand (E)	*Brillion*
Paxson, Jane Taylor	*Madison*
Payne, John Joseph	*Madison*
Pearce, Cora Cheney	*Bunkie, La.*
Pearcy, Iva Myrtle	*Indianapolis, Ind.*
Pearlman, Edith R.	*Chicago, Ill.*
Pearsall, Ida B.	*Aurora, Minn.*
Pearsall, Orpha Golden (LS)	*Aurora, Minn.*
Pearson, Carl A. (LS)	*Rockford, Ill.*
Pease, Elva Esther	*Medford*
Pease, Robert Holcombe (LS)	*Baraboo*
Peck, Ralph Leroy Jr.	*Palatine, Ill.*
Peckham, Lucy Adell (LS)	*Madison*
Pederson, Mildred Loretta	*Westby*
Peeke, Jessie Eloise (LS)	*Fond du Lac*
Peeke, Lachlan Louis	*Fond du Lac*
Peeples, Edna Marie	*Thorp*
Peiffer, Martha Margaret	*Cudahy*
Peirce, Wilma E. (LS)	*Madison*
Pelle, Clara Elezibeth	*Stratton, Colo.*
Pelton, Marion Herfort B.M.	*Madison*
Pember, Delilah Newbury	*Janesville*
Pennell, Dorothy	*Webster Groves, Mo.*
Perez, Joseph J.	*Chicago, Ill.*
Perin, Rachel Day B.A.	*Amelia, Ohio*
Perisho, Gordon M. (LS) (M)	*Streator, Ill.*
Perkins, Dorothy B.A.	*Indianapolis, Ind.*
Perlman, Jacob Lincoln	*Sheboygan*
Perry, Amy Leone	*Evansville*
Perry, Elizabeth Crossfield (LS)	*New York City, N. Y.*
Perry, Mary Alice	*Louisville, Ky.*
Person, Edla Elvira B.A.	*Peoria, Ill.*
Persons, Frances Rosamond	*Sparta*
Perssion, Leon (LS)	*Milwaukee*
Pescor, Michael James B.A. (G)	*Hibbing, Minn.*
Peters, Dora C. B.S.	*Kansas City, Mo.*
Peters, Leo M.	*Dedham, Iowa*
Petersen, Margaret Christine	*Eau Claire*
Peterson, Albin Oscar B.M.	*St. Peter, Minn.*
Peterson, Alto Henrietta (LS)	*Hollandale*
Peterson, Dorothy Harriet (LS)	*Owatonna, Minn.*
Peterson, Eugene Clair (LS)	*Blair*
Peterson, Florence Edna (LS)	*Madison*
Peterson, John Margenius (L)	*Colby*

Peterson, Josephine Anna	*Kingston, Ill.*
Peterson, Lu Marie	*Spalding, Mich.*
Peterson, Marjorie Lucille	*Oak Park, Ill.*
Peterson, Myrtle Hazel	*Hollandale*
Peterson, Nellie Johanna	*Duluth, Minn.*
Peterson, Wesley F. (LS)	*Rockford, Ill.*
Petrie, Apallonia Gertrude	*Stockbridge*
Pettera, Donald Joseph (LS)	*Montfort*
Petty, Alvin French B.Ed.	*Pawnee, Ill.*
Petty, Louise Emily B.A. (M)	*Clinton, Iowa*
Pfeifer, Carl Lowell (LS)	*Milwaukee*
Pfeiffer, Lorine Evelyn	*Milwaukee*
Pfeil, Grace Lillian	*Woodstock, Ill.*
Pfleger, Erma Catherine	*Cincinnati, Ohio*
Pflug, Joseph Lynn	*Kansas City, Mo.*
Phelps, Alice Elizabeth M.A.	*Warehouse Point, Conn.*
Phelps, Ella Loomis M.A.	*Omaha, Nebr.*
Phelps, Z. Bennett	*Binghamton, N. Y.*
Philipps, Margaret Mary	*Kaukauna*
Phillips, Beatrice	*Reedsburg*
Phillips, Dorothy Jean	*Reedsburg*
Phillips, Gustave (E)	*Milwaukee*
Phillips, Louis	*Chicago, Ill.*
Phillips, Meyer	*Chicago, Ill.*
Phillips, Pearl Irene	*Geneva, Ohio*
Phyfe, Herbert Lloyd	*New York City, N. Y.*
Pickett, Steward Thompkins	*Madison*
Picquet, Claire	*St. Louis, Mo.*
Pidgeon, Gertrude Margaret	*Chicago, Ill.*
Pierard, Joseph Jacques	*Marshall, Minn.*
Pierce, Helen Monica	*Hingham*
Pierson, John Clough (LS)	*Menomonie*
Pierstorff, Linda Griesbach	*Madison*
Pike, Elsie M.	*Wabash, Ind.*
Pinch, Esther Francine	*Hillsboro*
Pine, Elsie Howard	*Emporia, Kans.*
Pingel, Martha Marie	*Withee*
Pink, Samuel	*Eureka, Cal.*
Pinto, Sherman Spalding	*Omaha, Nebr.*
Pittenger, Winifred	*Toledo, Ohio*
Pluckhan, Alyce S.	*Juneau*
Pluemer, Marie Sophia	*Potosi*
Plumlee, Grace Mitchell B.M.	*Brooklyn*
Poage, Cecil Malcome B.S.	*Marshall, Mo.*
Podruch, Cecil G.	*Elroy*
Poehler, Hedwig Rebecca	*Sturgeon Bay*
Polacheck, Ethel	*Milwaukee*
Polaski, Frank	*Erie, Pa.*
Pollard, Edwina O.	*Madison*
Polson, Robert Arnold (G)	*Montesano, Wash.*
Pomeroy, Mabel Frances B.A.	*Milwaukee*
Poole, Gladys Le Baron	*Birmingham, Ala.*
Pope, William (LS)	*Chicago, Ill.*
Popov, Sergei Mitrofan (A)	*Madison*
Porter, Mrs. William Almonde	*Vesper*
Portz, Wade R.	*Baltic, Ohio*
Post, Stanley Dwight	*Le Mars, Iowa*
Potter, Juanita Holson	*Madison*
Potterf, Gladys Barr	*Blountsville, Ind.*
Povilaitis, Lillie Marion	*Grand Rapids, Mich.*

Powell, Florence Amelia B.S.	*Fresno, Ohio*
Powell, Herbert Frederick	*Oak Park, Ill.*
Powell, Marjorie Mary	*Tonica, Ill.*
Powell, William T.	*Stevens Point*
Powers, Mary Helen	*Fall River*
Powers, Mary Margaret	*Chicago, Ill.*
Pratt, Velmer D.	*Madison*
Pray, Harold Stanley	*Sheboygan Falls*
Prendergast, Elizabeth Anne (LS)	*Madison*
Pressley, Doris K. B.A.	*Fort Worth, Texas*
Prewitt, William Clay	*Royal Oak, Mich.*
Price, Mildred Elfrieda	*Oregon, Ill.*
Pridmore, Harold Edward (E)	*La Grange, Ill.*
Prien, Edwin Louis M.A.	*Madison*
Prisk, Genevieve Florine	*Mineral Point*
Prittie, Elsie Ann	*Milwaukee*
Proctor, Elizabeth Lyon	*Chicago, Ill.*
Proctor, Florine Estelle	*Chicago, Ill.*
Prosser, Edna Jean B.A.	*Philadelphia, Pa.*
Pryor, Frances	*Fort Smith, Ark.*
Pryor, Grace	*Fort Smith, Ark.*
Purcell, Florence A. (LS)	*Madison*
Purintun, Theodore	*Chicago, Ill.*
Putnam, Callie May	*Gaylord, Kans.*
Putnam, Grace Margarette (LS)	*Madison*
Putnam, Kathryn Maye	*Oak Park, Ill.*
Quade, Elizabeth Helen (Mu)	*Kewaskum*
Qualle, Ida M.	*Martell*
Quillman, Frank L.	*Madison*
Quiney, Elisabeth Ingales	*Easton, Pa.*
Quirino, Carlos Felix (LS)	*Manila, P. I.*
Quirino, Felex (E)	*Manila, P. I.*
Quisling, Abraham (LS) (M)	*Madison*
Quisling, Gunnar (LS) (M)	*Madison*
Quisling, Ralph (LS) (M)	*Madison*
Rabinoff, Rose Margarett (LS)	*Madison*
Rabold, Gladys Irene	*Chicago, Ill.*
Radke, Myra Letcha	*Lake Mills*
Radtke, Roy Arthur	*West Allis*
Radway, Lawrie C. (E)	*Milwaukee*
Raetting, Clark Paul (E)	*Antigo*
Ragland, Josephine Noland	*Independence, Mo.*
Raine, Maxwell F.	*Columbus, Ohio*
Ramaker, Mildred Elizabeth B.A.	*Cedar Grove*
Ramlow, Leonard W. (LS) (M)	*Milwaukee*
Ramsey, Harriet Ruth B.A.	*Rock Rapids, Iowa*
Rand, Elsie Claribel	*Bear Creek*
Randall, Melvin Hubert (LS)	*Madison*
Randolph, Florence Morley	*Manitowoc*
Randolph, Martha Elizabeth	*Austin, Texas*
Ranslem, Annabelle B.S.	*Scribner, Nebr.*
Rasmus, Ingolf E. (L)	*Chippewa Falls*
Rasmussen, Erving Waldemar ()E	*Marinette*
Rasmussen, Leland Earl	*Madison*
Rathenbach, Phyllis Virginia	*Waukesha*
Rattey, Edna Marie	*New York City, N. Y.*
Raub, Eleanor (LS)	*Indianapolis, Ind.*
Rawlings, Mary	*Memphis, Tenn.*
Rawlings, Ben W. B.A.	*Fredrickton, Ohio*
Raymond, Ernest Munroe	*Kansas City, Mo.*

Reader, Annabel Jally (LS)	*Cincinnati, Ohio*
Reagan, Dorothy Josephine	*Knightstown, Ind.*
Rebholz, Harold Edward (A)	*Portage*
Rebholz, Irma	*St. Louis, Mo.*
Redd, Katherine (LS)	*Jacksonville, Ill.*
Reed, William Page B.A.	*Milwaukee*
Reeder, Kathleen Jo	*Panama City, Panama*
Rees, Thomas S. B.S.	*Racine*
Reichert, C. Lorena	*Madison*
Reid, Kathryn Floy	*Rockford, Ill.*
Reid, Laura Fouch	*Allegan, Mich.*
Reid, Lorena Grace B.S.	*Albion, Ill.*
Reid, Martha McKenzie M.A.	*Monmouth, Ill.*
Reid, Noma Pearl	*Allegan, Mich.*
Reid, Ruth Ann	*Chicago, Ill.*
Reilly, Eleanor Rose (LS)	*Fond du Lac*
Reilly, Genevieve Estella	*Fond du Lac*
Reilly, George Alexander	*Indianapolis, Ind.*
Reilly, Noreen Antoinette	*Chicago, Ill.*
Reilly, Peter C. Jr.	*Indianapolis, Ind.*
Reinert, Madeline Claribel	*Chicago, Ill.*
Reinke, Richard E. (E)	*Milwaukee*
Reis, Louis Norman (LS)	*Odebolt, owa*
Reitmann, Isabelle Ita	*Milwaukee*
Reitz, Elizabeth M. B.S.	*Bellevue, Ohio*
Reitz, Helen C. (LS)	*St. Louis, Mo.*
Reitzel, Della Dickerhoff	*Milwaukee*
Renfrow, Oltie Mae	*Sedalia, Mo.*
Repplinger, Ethel Elgie	*River Falls*
Resan, Stephen Francis (E)	*Racine*
Ress, Ruth Laura (LS)	*Hartford, Conn.*
Reucenberger, Richard	*Anderson, nd.*
Reuter, Margaret Joan (LS)	*Madison*
Reynolds, Eleanor Louise (LS)	*Iron Mountain, Mich.*
Rheineck, Alfred Edward (E)	*Milwaukee*
Riback, Berniece Leah	*Columbia, Mo.*
Riback, Harold H.	*Columbia, Mo.*
Rice, Carol Margaret M.A. (M)	*Detroit, Mich.*
Richards, Alice Louise	*Columbus, Ohio*
Richards, Helen Elouise	*Toledo, Ohio*
Richards, Helen Otla	*Fond du Lac*
Richards, Inez Jennette B.A. (G)	*Ladysmith*
Richards, Roswell S. (LS)	*Monticello*
Richardson, Joseph Egbert	*Sheboygan Falls*
Richie, Eleanor Louise B.A.	*Denver, Colo.*
Richmond, Jessie J. (LS)	*Lodi*
Rickaby, Dorothea Alice (A)	*Taylorville, Ill.*
Ridge, Harvey John	*Whitewater*
Riedel, Bertha	*Mineral Point*
Riegel, Garland Miller B.A.	*Fayette, Mo.*
Riegel, Zella Evangeline B.A.	*Fayette, Mo.*
Reihm, May Hundey	*Forsyth, Mont.*
Riely, Stella	*Toledo, Ohio*
Rieman, Ann Marie	*Ripon*
Riepma, Freda Gwendolin	*Independence, Mo.*
Rinehart, Philip H. B.S.	*Pittsburgh, Pa.*
Ringling, Henry Ellsworth	*Gainesville, Fla.*
Rinker, Alta Clemens B.A.	*Eureka, Ill.*
Rinkob, Severn Ph.B.	*Baraboo*
Riplinger, Ellis Charles (E)	*Riplinger*

Ripstein, Sam William	*Chicago, Ill.*
Risteen, Wilford Arless B.A. (M)	*Chippewa Falls*
Rittenhouse, Carl H. B.A.	*Iola*
Rivard, Rhea Rose	*Madison*
Roach, Constance B.A.	*Kansas City, Mo.*
Roach, Martha Elizabeth B.A.	*Louisville, Ky.*
Robbins, Julia Eilers	*Austin, Texas*
Roberts, David Charles	*Madison*
Roberts, Mrs. Florentine Knapp B.A.	*Buffalo, N. Y.*
Roberts, Garnett Frederic B.S.	*Buffalo, N. Y.*
Roberts, Gertrude Edna	*Racine*
Roberts, Hubert A. (E)	*Cambria*
Roberts, John Ellsworth	*Seaman, Ohio*
Roberts, Mary E.	*Paw Paw, Mich.*
Roberts, Nita Woods	*Madison*
Roberts, Verna Bell	*Racine*
Roberts, Wilfred Stanley (LS)	*Oak Park, Ill.*
Robinson, Beulah M.	*Madison*
Robinson, Clara Lenore B.A.	*Morgantown, W. Va.*
Robinson, Ellis Nelson	*Madison*
Robinson, Francis Joseph (LS)	*Madison*
Robinson, Josephine	*Toronto, Can.*
Robinson, Marjorie Mayo	*Rockford, Ill.*
Robson, Phoebe Jane	*Spring Green*
Rochells, Estelle	*Chicago, Ill.*
Rock, Edward Peter	*Hudson*
Rock, Frances Claire	*Williamsburg, Iowa*
Roden, Mary L. (LS)	*Madison*
Roden, Rbert Mors (E)	*Madison*
Rodino, Camille Catherine	*Milwaukee*
Rodolfo, Augustin M.S. (G)	*San Antonio, P. I.*
Roe, Vivian Irene	*Elkhorn*
Roemer, Edna L.	*Toledo, Ohio*
Roemer, Mary Virginia	*St. Louis, Mo.*
Roffers, Clara Henrietta	*De Pere*
Rogers, Barton Joseph	*Oshkosh*
Rogers, Bernice	*Maywood, Ill.*
Rogers, Clarence J.	*Elgin, Ill.*
Rohleder, Gretchen M.	*East Troy*
Rohrer, Pauline Cushman	*Detroit, Mich.*
Rohrs, Josephine Elizabeth	*Napoleon, Ohio*
Roll, Grover B.A.	*Terre Haute, Ind.*
Rolston, Mary Adelaide	*Hillsboro, Ill.*
Romes, Christopher	*Iowa City, Iowa*
Romick, Grace Elizabeth	*Traer, Iowa*
Ronkkonen, Helen Kaarin	*Superior*
Rood, Louise M. (Mu)	*Madison*
Rooney, Clare E. (LS)	*Milwaukee*
Rooney, Rosemary Ursula B.M.	*Madison*
Root, Margaret Allison	*Paw Paw, Mich.*
Root, Nellie May B.S.	*Oakes, N. Dak.*
Rosborough, James McLean	*Eureka, Ill.*
Rose, Katherine Elizabeth B.A.	*Fort Worth, Texas*
Rose, Nettie B.A.	*Clarksdale, Miss.*
Rose, Stanley Bernard	*Chicago, Ill.*
Rosen, Gertrude (LS)	*Chicago, Ill.*
Rosenbaum, Elizabeth Ida	*Des Moines, Iowa*
Rosenberg, Ralph Philip (G)	*New York City, N. Y.*
Rosenberg, Vera Maude	*Colfax*
Rosenfeld, Arthur A.	*St. Louis, Mo.*

Rosenthal, Rosolyn Victoria (LS)	*Chicago, Ill.*
Ross, Evelyn Karna	*Princeton, Ill.*
Ross, Kathryn E.	*Fort Wayne, Ind.*
Rossman, Louella Mae	*Marshfield*
Roswell, Theodore Louis	*Blair*
Roth, Grace Marguerite	*Rochester, Minn.*
Roth, Mabel Orpha	*Hillsboro*
Rott, Margaret Charlotte	*Madison*
Rotter, Israel Irving B.S.	*Milwaukee*
Rotzoll, Robert Albert	*Wausau*
Rouse, Mariam E. (LS)	*Monroe*
Rowe, Helen Caroline	*Grass Lake, Mich.*
Rowe, Thoburn David (LS)	*Madison*
Rowland, Martha Austine (LS)	*Madison*
Rowley, Mary Jane B.A.	*San Antonio, Texas*
Rowntreee, Grace Louise (A)	*Burlington*
Rozelle, Florence Emma B.A.	*Solon, Ohio*
Rubenstein, Bertha	*Aurora, Ill.*
Rubin, David	*Terre Haute, Ind.*
Rubin, Ruth (LS)	*Terre, Haute, Ind.*
Rud, Magdalene Aagot	*Sioux Falls, S. Dak.*
Ruf, Adelaide Kathryn	*Kansas City, Mo.*
Ruggles, Ruth Mary	*Baraboo*
Rugland, Ruth Anne B.A.	*Fergus Falls, Minn.*
Rulland, Sigmund Arthur	*Black River Falls*
Rumbaugh, Richard Barton	*Downers Grove, Ill.*
Runck, Marguerite B.S.	*Cincinnati, Ohio*
Runninger, Guy Merrill B.S.	*Aurora, Ill.*
Rupp, Margaret Mary (LS)	*Madison*
Ruselink, Elisa Verona (LS)	*Sheboygan Falls*
Ruskin, Dorothy Nadine	*Sedalia, Mo.*
Russell, Meryl Althea B.A.	*Harvey, Ill.*
Russell, Mildred Louise	*Cherokee, Kans.*
Russell, Nancy	*Corning, Iowa*
Rust, Charlotte Katherine	*Oak Park, Ill.*
Rutherford, John Clayton	*Tigerton*
Rutledge, Jessie H.	*Sparta*
Rutlin, Sanford Monroe	*Flint, Mich.*
Ruttenberg, Dave Carl	*Chicago, Ill.*
Ruttenberg, Jerome J. (LS)	*Madison*
Rydahl, Harry John	*Marinette*
Rydeen, Gladys Evelyn	*Kenosha*
Ryder, Leon Wallace Ph.B.	*Hancock*
Saecker, Ruth Mary B.A.	*Appleton*
Sage, Helen Louise B.S.	*Farrell, Pa.*
Sagen, Harry Edwin (A)	*Washburn*
Sakamoto, Tokao (G)	*Tokyo, Japan*
Saladino, Anthony Joseph	*Union City, N. J.*
Sale, Enga	*Madison*
Sample, Ruth (LS)	*Madison*
Sampson, Lenore	*Chicago, Ill.*
Samuels, Eleanor Kathryn	*Mitchell, S. Dak.*
Samuels, Jules B. (LS)	*Chicago, Ill.*
Sanborn, Wilfred Alden (E)	*Waupun*
Sanchez, Franco T.	*Aguadilla, Porto Rico*
Sandberg, Oscar Edward	*Racine*
Sanders, Alice Marie B.M. (Mu)	*Madison*
Sanders, Beulah Alice	*Witt, Ill.*
Sanders, John Fred	*Lincoln, Nebr.*
Sanders, Martha Pegues M.A.	*Rockford, Ill.*

Sanderson, Margaret Lyon B.A.	*Denver, Colo.*
Sandling, Lenore B.S.	*Memphis, Tenn.*
Sandstrom, Astred Pernella	*Chicago, Ill.*
Sanger, Stuart	*Fishkill, N. Y.*
Sankey, Clara	*Wilkinsburg, Pa.*
Sappington, Dorothy M. B.S.	*Columbia, Mo.*
Sargent, John Ace (E)	*Green Bay*
Sauer, Eleanor Carolyn	*Cincinnati, Ohio*
Sauer, E. Hans C (E)	*Milwaukee*
Saulles Charles A. (LS)	*New York, N. Y.*
Saunders, Raleigh A.	*Flemingsburg, Ky.*
Savage, LoisC . (LS)	*Storrs, Conn.*
Sceets, George Nichoolas	*Wauwatosa*
Schaal, Dale H. (LS)	*Oconto Falls*
Schacht, Milton Walter (LS)	*Racine*
Schaefer, Adelyne Louise	*Madison*
Schaefer, Norman Charles (E)	*Reedsburg*
Schafer, Ethel	*Hurley*
Schaff, Emilie B.S.	*Chicago, Ill.*
Schaller, Robert C. (LS)	*Janesville*
Schaller, Ruth	*Milwaukee*
Schauer, Irene L. (A)	*Hartford*
Schaeffer, C. Gibson	*Kenosha*
Scheff Mildred Harriet	*Chicago, Ill.*
Scheidt, Walter Charles	*Ohio City, Ohio*
Scheinpflug, Harry Leo	*Boscobel*
Schenck, Paul Fornshell	*Dayton, Ohio*
Scherer, Ruth Marguerite (LS)	*Palmyra*
Scherff, Evelyn Beryl	*Bowling Green, Ohio*
Scheuber, Lillian Margaret B.A. (G)	*Milwaukee*
Schiefferle Lucille Amelia	*Wesleyville, Pa.*
Schilling, Eunice E. (LS)	*New Holstein*
Schimel, Leona M.	*Two Rivers*
Schindler, Mary Lamb	*Madison*
Schlappi, Marion Elizabeth	*Wentworth*
Schlatter, Dorothy M. (LS)	*Madison*
Schleck, Harriet Helen	*Madison*
Schleck, Reginald Richard (LS)	*Madison*
Schlegel, Margaret G.	*Pittsburgh, Pa.*
Schlicher, Karl Theodore (LS)	*Madison*
Schlintz, Murray E. (LS)	*Boscobel*
Schloss, Leonard S.	*Indianapolis, Ind.*
Schlosser, Francis F.	*Algoma*
Schlotthauer, Patricia Carol (LS)	*Madison*
Schlueter, Olga Eugenia	*Milwaukee*
Schlundt, Hayes Coates	*Evanston, Ill.*
Schmeling, Lena Martha	*Superior, Nebr.*
Schmidt, Erma Anne	*Cincinnati, Ohio*
Schmidt, John Reik (E)	*Madison*
Schmidt, Marie Anna	*Stanley*
Schmidt, Irene Clotilda	*McKeesport, Pa.*
Schmitz, Frank John (LS)	*Oshkosh*
Schneberger, Blanche Agnes	*Chicago, Ill.*
Schneberger, Mildred Josephine	*Chicago, Ill.*
Schneider, Carlyn Charlotte (LS)	*Milwaukee*
Schneider, Frieda D. (LS)	*Milwaukee*
Schneider, Katharine Elizabeth	*Chicago, Ill.*
Schneider, Melvin Fredrick	*Appleton*
Schneller Anna	*Prairie du Sac*
Schoenberg, Betty Maxine	*Chicago, Ill.*

Schoeneich, Elsa Caroline (LS)	*Milwaukee*
Schoenike, Alice Bianca	*Watertown*
Scholfield, Geraldine	*Des Moines, Iowa*
Scholfield, R. T.	*Ableman*
Schoonover, Bertha Elene	*Lone Rock*
Schoonover, Blanche Irene	*Lone Rock*
Schoonover, Donald Alan (LS)	*Cedar Rapids, Iowa*
Schori, John Wheeler	*Elwood, Ill.*
Schrader, Ruth Elizabeth B.S.	*Brodhead*
Schraeder, Martha	*Stockton, Ill.*
Schram, Leonard (LS)	*Chicago, Ill.*
Schram, Luella Elizabeth	*Escanaba, Mich.*
Schrider, Esther E. B.S.	*Cleveland, Ohio*
Schrode, Hulda Irene (LS)	*Stoughton*
Schubert, Ilma Antoinette	*Pierre, S. Dak.*
Schubert, Linda Marie	*Milwaukee*
Schuette, Amanda Helene	*Green Bay*
Schuette, Pauline Rahr (LS)	*Manitowoc*
Schuff, Gertrude Emilie	*Louisville, Ky.*
Schulein, Joseph (E)	*Rockford, Ill.*
Schuler,F rederick William	*Madison*
Schuler, Margaret Mary B.A.	*Milwaukee*
Schultz, Eleanor	*Cleveland, Ohio*
Schultz, Elsie	*Milwaukee*
Schultz, Freda Carolyn	*Columbus*
Schultz, Hilda Bertha	*Columbus*
Schulze, Leona Ann	*Fond du Lac*
Schwandt, Irma Matilda	*Wauwatosa*
Schwarz, Marguerite M. B.S.	*Freeport, Ill.*
Schweers, Marie Augusta (A)	*Shawano*
Schwier, Alice Kerr	*Detroit, Mich.*
Schwingle, Mrs. Pearl Manley (A)	*Sun Prairie*
Scobie, Jean Lincoln (LS)	*Madison*
Scolten, Adrian (LS (M)	*Madison*
Scott, Bernice Marjorie B.A.	*Cambridge*
Scott, Jean Maybelle	*Cambridge*
Scott, Jennie Olivia	*Sycamore, Ill.*
Scott, Margaret Therese	*River Forest, Ill.*
Scott, Morris James (E)	*Madison*
Scott, Nellie B.A.	*Hanover, Ind.*
Scott, Reynolds Gilmore	*Cleveland, Ohio*
Scott, Robert Harrison (LS)	*Berlin*
Scott, Stuart Warren (LS)	*Madison*
Scott, Walter Alexander M.A.	*Beloit*
Seaborn, Helen A.	*Waukesha*
Seator, Douglass Sinclair (LS)	*Evanston, Ill.*
Seawell, Arthur Matthews B.S.	*Marshall, Mo.*
Sedlack, John William	*Chicago, Ill.*
Seegar, Nellie	*Oak Park, Ill.*
Seerup, Elna	*Chicago, Ill.*
Selleck, Eugene Roy	*Sterling, Ill.*
Sellers, Andrew August (E)	*La Crosse*
Sellery, Helen (LS)	*Madison*
Selover, Hattie Catherine B.A.	*Oberlin, Ohio*
Seman, Anne Marie	*Granton*
Sengenberger, Ella Christine B.A.	*Indianapolis, Ind.*
Sepulveda, Alberto Antonio (LS)	*Mexico City, Mexico*
Serstad, Arthur Millerd (A)	*Madison*
Setmajer, Maryla	*Chicago, Ill.*
Seubert, Alma	*Lake Geneva*

Seymour, Jessie McF.	*Madison*
Seymour, Thomas R. (E)	*Milwaukee*
Shafarman, Vera Babs	*Shreveport, La.*
Shaffer, Alice Fern	*St. Joseph, Mo.*
Shane, Amy Rose	*Kansas City, Mo.*
Shaner, Helen McCormick	*Greensburg, Pa.*
Shanhouse, Leonard	*Rockford, Ill.*
Shanks, Doris Elizabeth B.A.	*Portage*
Shapiro, Elsie June	*Chicago, Ill.*
Shattuck, Dorothy Geneva (LS)	*Madison*
Shaw, Brewster H.	*Birmingham, Ala.*
Shaw, Helen Jennie	*Milwaukee*
Shaw, Mildred	*Pittsfield, Ill.*
Shaw, Mildred Palmer	*Jeanerette, La.*
Shaw, Nellie Agnes	*Pittsburgh, Pa.*
Shaw, Raymond Enoch	*Woburn, Mass.*
Shaw, Thelma Orene	*Jerseyville, Ill.*
Shea, Edward John	*Friendship*
Shea, Julia Agatha	*Green Bay*
Shea, M. Regina B.A.	*Dubuque, Iowa*
Shea, Martha Jane	*Green Bay*
Sheahan, Alnora Mary	*Milwaukee*
Shebesta, Emil M. B.S. (M)	*Cato*
Shefrin, Sol Stephen (L)	*Phoenix, Ariz.*
Shell, Leila May B.A.	*Okolona, Miss.*
Shepp, William Callaway	*Wilkes Barre, Pa.*
Sherman, Arthur Leighton	*New York City, N. Y.*
Sherman, Delia Marcella (LS)	*Hixton*
Sherwood, Emma Thornton	*Reedsburg*
Sheveland, Margaret Bertha	*Rochelle, Ill.*
Shick, Elizabeth Ann (LS)	*La Porte, Ind.*
Shidler, Jesse B.Ed.	*Lanark, Ill.*
Shields, Harvey Thomas	*Prairie du Sac*
Shields, Roberta Jane	*Decatur, Ill.*
Shimbo, Tamihachi	*Migataken, Japan*
Shimmick, Margaret Dorothy B.S.	*Mountain Iron, Minn.*
Shimmick, Rose Leona	*Mountain Iron, Minn.*
Shinbach, Chester Coleman	*Toledo, Ohio*
Shoemaker, Elizabeth Pearl	*Pittsburgh, Pa.*
Sholts, Mary Eliza	*Madison*
Short, Caryl Marcella	*Humbird*
Shovers, Marvin Jack (L)	*Racine*
Shriver, Leland, A. (LS)	*Virden, Ill.*
Shryack, Edna May	*Warrensburg, Mo.*
Shuger, Michael	*Chicago, Ill.*
Shulack, Irving B.A. (LS) (M)	*Detroit, Mich.*
Shultz, Bertha C,	*Pepin*
Shumwak, Mary Ann	*Milton*
Shumway, Robert Burr	*Milton*
Siberts, Dorothy Marie (LS)	*Okmulgee, Okla.*
Sicard, Carmelita	*Fort Smith, Ark.*
Sichler, Helen Virginia	*Alma Center*
Siders, Minnie Olive	*Milwaukee*
Sidorowicz, Frank Zygmunt	*Chicago, Ill.*
Siegel, William Emil	*Milwaukee*
Siegman, Audrey	*San Antonio, Texas*
Siemers, Arlyle A. (A)	*Madison*
Siemon, Gladys Lucille	*Kansas, City, Mo.*
Siggelkow, Edwin Leslie	*East Troy*
Sigurdson, August	*Washington Island*

Silver, Mrs. Bertha Kassube B.S.	*Madison*
Silver, Harold Squier (E)	*Madison*
Silverthorne, John H. (LS)	*Riverside, Ill.*
Simnicht, Louis Anton	*Mellen*
Simon, Tess	*Brooklyn, N. Y.*
Simon, Yetta	*Brooklyn, N. Y.*
Simonson, Marion Edith M.	*Elmwood*
Sinaiko, Clara B.A.	*Madison*
Sinaiko, Estelle Ballantyne	*Madison*
Sinaiko, Esther (Mu)	*Madison*
Sinaiko, Rose Minerva (LS)	*Madison*
Sinclair, Dohrman James	*Steubenville, Ohio*
Singer, Clara Edith	*Shaker Heights, Ohio*
Singer, Daisy D. (LS)	*Chicago, Ill.*
Singer, Rose Marie	*Shaker Heights, Ohio*
Sipfle, James Arthur (LS)	*Pekin, Ill.*
Sipple, Mary Ruth	*Noblesville, Ind.*
Sister M. Audrey Kerber B.A.	*Sinsinawa*
Sister M. Barbara Maurer B.A.	*Sinsinawa*
Sister M. Borromeo Smith	*Washington, D. C.*
Sister M. Colma	*Sinsinawa*
Sister M. Faustine Masanz	*Fond du Lac*
Sister M. Marcina Boff	*Fond du Lac*
Skavlen, Rebecca Janet	*Stoughton*
Skewes, Alice Ruth M.A.	*Union Grove*
Skinner, Dessa Mason B.A.	*Kansas City, Mo.*
Skinner, Virginia Edith	*Madison*
Sklovsky, Edith Eleanor	*Moline, Ill.*
Sklovsky, Pauline Dolkhart	*Moline, Ill.*
Skyrmes, Irene Griffith	*Homestead Park, Pa.*
Slatterly, Nelle E.	*Rochester, Minn.*
Slattery, William Gene	*Du Bois, Pa.*
Slaughter, Ruth Alice	*Louisville, Ky.*
Slayton, William Pleasant	*Lathrop, Mo.*
Slightman, Francis Ward	*Madison*
Slotten Rollie M.	*Exira, Iowa*
Sloyer, Jane Elizabeth	*Tatamy, Pa.*
Smallshaw, John (E)	*Birmingham, Ala.*
Smead, Robert Lewis	*Toledo, Ohio*
Smejkal, Edna B.A.	*Riverside, Ill.*
Smiley, Margaret	*Beloit*
Smith, Albert Randall	*Madison*
Smith, Annie Pfeiffer	*Milwaukee*
Smith, Barbara Gradiner	*Red Wing, Minn.*
Smith, Beatrice Elizabeth	*Chippewa Falls*
Smith, Carleton Blase	*Pekin, Ill.*
Smith, Cornelius Walter (LS)	*Madison*
Smith, Dean Davidge	*Binghamton, N. Y.*
Smith, Dorothy Julia (LS)	*Erie, Pa.*
Smith, Eleanor Eliza	*Appleton*
Smith, Evelyn M. (LS)	*Madison*
Smith, Florence Elizabeth	*Milwaukee*
Smith, George Burr (LS)	*Three Rivers, Mich.*
Smith, Grace (LS)	*Montfort*
Smith, Guerdon Frank (LS)	*Peoria, Ill.*
Smith, Harriet Florence	*Detroit, Mich.*
Smith, Harriet Froelich	*Menomonie*
Smith, Harry Heyen (M)	*Chippewa Falls*
Smith, Harryet June (LS)	*Milwaukee*
Smith, Helen Lorraine B.A.	*Lexington, Va.*

Smith, Helen M. M.A.	*Pittsburgh, Pa.*
Smith, Hester Read (LS)	*Manhattan, Kans.*
Smith, Hilliard Hagan	*Hindman, Ky.*
Smith, Ida Ruth (LS)	*Platteville*
Smith, J. Faye (LS)	*Hiland, Who.*
Smith, Jennie Alfreda B.A.	*Marenisco, Mich.*
Smith, Kenneth Alden	*Chester, Ill.*
Smith, Kenneth L.	*Indianapolis, Ind.*
Smith, Laura Agnes	*Merrill*
Smith, Lewis Fitzwater (LS)	*Prospect, Ohio*
Smith, Mary Terry	*Dallas, Texas*
Smith, Mildred Evis (LS)	*Superior*
Smith, Mildred M. (LS)	*Dallas, Texas*
Smith, Minnie Katherine	*Portage, Mich.*
Smith, Olive Hoyt (LS)	*Madison*
Smith, Olive Louise B.A.	*Yorkville, Ill.*
Smith, Ramona Lillian	*Belle Plaine, Iowa*
Smith, Russell Carl B.A. (M)	*Fort Atkinson*
Smith, Vida Elizabeth B.A.	*Appleton*
Smith, Winifred Gardiner (LS)	*Red Wing, Minn.*
Smitz, Louis Zink (E)	*Chicago, Ill.*
Smock, Lee Anna Jewell B.A.	*Gelena, Kans.*
Snook, Sara Kathryn	*Jeffersonville, Ind.*
Snydan, Bina Elizabeth	*Dodgeville*
Snyder, Virginia Adele	*Chicago, Ill.*
Soga, Shigeo	*Honolulu, Hawaii*
Sogard, Tinita Marguerite B.S.	*Minneapolis, Minn.*
Sohnlein, Elsie May	*Canton, Ohio*
Solberg, Clarence S.	*Ferryville*
Solbraa, Burney Arlow	*Stoughton*
Solmes, Elsie Janet (LS)	*Madison*
Solomon, Freda Isabel B.A.	*St. Louis, Mo.*
Solomon, Pearl	*Chicago, Ill.*
Solon, Mary Genevieve B.A.	*Superior*
Solum, Norman Kraabel B.A.	*Woodville*
Sommerfeldt, Doris E. (LS)	*Janesville*
Sommerfield, Harry (LS)	*Chicago, Ill.*
Sonafrank, Floyd O.	*Chili, Ind.*
Sonafrank, Zelma Marie	*Chili, Ind.*
Sondern, Clarence W.	*Milwaukee*
Sorenson, Theodore Nordal	*Stoughton*
Soucy, Ruth Marie	*Chicago, Ill.*
Souder, Irene Myrle B.A.	*Des Moines, Iowa*
Soulen, Joy Dorothy Ph.B.	*Phillips*
Southcott, Eleanor Margaret	*Oconomowoc*
Southerland, Polly	*Shreveport, La.*
Spangenberg, William George (LS)	*Madison*
Speicher, Clyde Mathew B.S.	*Bergholz, Ohio*
Spencer, Jessie Evelyn	*Charleston, W. Va.*
Spilman, Lydia A. (N)	*Edgerton*
Spink, Mabel Elsie	*Platteville*
Spohn, Frances Adeline B.S. (G)	*Madison*
Sprecher, Alice Adelle B.A.	*Madison*
Stack, Alice Veronica	*East St. Louis, Ill.*
Stadler, Erana Marie	*Middleton*
Stafford, Ethel Chase	*Waupaca*
Stafford, Frederick Burcham	*Windsor, Mo.*
Stagner, Mildred Annie (LS)	*Madison*
Stai, Helene Eleanore	*Eau Claire*
Standiford, Ifa Doran (LS)	*Wilton*

Stangel, Frank Otto	*Tisch Mills*
Stanley, Emerson D. (LS)	*Madison*
Stanley, Virginia P. (LS)	*La Grange, Ill.*
Stanton, Grace Marie B.A.	*Bloomington, Ind.*
Stapleton, Cecile Marguerite	*Chicago, Ill.*
Stare, Mary Frances (LS)	*Columbus*
Stark, Harold C.	*Madison*
Starkey, Florence Irene	*Mattoon, Ill.*
Starkey, Roscoe Milton (A)	*Richland Center*
Startzman, Ida Garnette	*Kansas City, Mo.*
Stebbins, Dorothy Katie	*Chicago, Ill.*
Stebbins, Eunice M.A.	*Omaha, Nebr.*
Stebbins, Helen Elizabeth (LS)	*Chicago, Ill.*
Stebbins, Isabelle	*Madison*
Stedman, Margaret Ardell (LS)	*Sturgeon Bay*
Steel, Marcella Reed (M)	*Milwaukee*
Steele, Eleanor A. (LS)	*Salt Lake City, Utah*
Steeenis, John Holt (LS)	***Madison***
Steensland, Otis Aubrey	*Blanchardville*
Steffen, Frances	*Milwaukee*
Steidtmann, Helen Lynda	*Sauk City*
Steigle, Janice Evelyn	*Plainfield, Ill.*
Stien, James A. (LS)	*Eveleth, Minn.*
Stein, Olive Carolyn	*Superior*
Steinbach, Helen Florence	*New Rockford, N. Dak.*
Steinberg, Evelyn Alma	*Glen Ellyn, Ill.*
Steinbicker, Mazie Elizabeth B.A.	*Wheeling, W. Va.*
Steinbicker, Paul F. B.A.	*Wheeling, W. Va.*
Steiner, Berney Burk	*Nashville, Tenn.*
Stelzer, Milton Fred (A)	*Mishicot*
Stenseth, Marguerite Sylvia	*Barneveld*
Stenz, Hall	*Madison*
Stephens, Minnie Ruth B.S.	*Dickson, Tenn.*
Stephenson, Clara C. M.A. (G)	*Los Angeles, Cal.*
Sterk, Joseph Peter	*Milwaukee*
Steude, Esther Alvina	*Oshkosh*
Steve, Mrs. Fannie Mason	*Madison*
Stevens, Ethel Irene B.A.	*Jim Falls*
Stevens, Kathryn Harriet	*Stoughton*
Stevens, Mary Alice Cupid B.A.	*Austin, Texas*
Stewart, Carrie Mae	*Merrimack*
Stewart, Frank D.	*Kenosha*
Stewart, Genevieve B.S.	*Clarksburg, W. Va.*
Stewart, Harry Bartlett	*Hartville, Ohio*
Stewart, Mary Margaret	*Emporia, Kans.*
Stewart, Theodore Wolcott (LS)	*Racine*
Stiles, John Alden (LS) (M)	*Lake Mills*
Stobie, Phyllis Hall B.A.	*Pittsburgh, Pa.*
Stocking, Myrtle Holmes Ph.B.	*Lindenwood, Ill.*
Stockwell, Dorothy Rebecca	*Marengo, Ill.*
Stoddard, Nema Kinne (LS)	*Charlotte, Mich.*
Stoke, Muriel Winnifred B.A.	*Fairmont, Minn.*
Stoleson, Edda Isabelle	*Tigerton*
Stolper, Eleanor Louise (LS)	*Plymouth*
Stondall, Alice Mandt (LS)	*Madison*
Stone, Fern Agnes (A)	*Park Falls*
Stone, Frances Ethel (LS)	*Chicago, Ill.*
Stone, Harley Eugene	*Logan, Ohio*
Stoops, Mary Margaret B.S.	*York, Pa.*
Stoops, Richard Marshall	*York, Pa.*

Storen, Helen Frances	*Rockford, Ill.*
Storer, Blanche E. M.A.	*Jewell, Kans.*
Storey, Jessie Searle (A)	*Madison*
Storm, Dorothy Louise	*Elgin, Ill.*
Stotts, William Jerome (LS)	*Appleton, Minn.*
Stoughton, Wilbur B.S.	*Westerville, Ohio*
Stover, Josepn Elbert	*Macomb, Ill.*
Strandell, Mildred	*Detroit, Mich.*
Stratton, Virginia Lane	*University City, Mo.*
Strauch, Luella Mary M.A.	*Chadwick, Ill.*
Strauss, Ray Carl (LS)	*Madison*
Strauss, Rosalie Litten	*Chicago, Ill.*
Streiff, Antonia, Verena	*New Glarus*
Streng, Alice Helen	*Milwaukee*
Strese, Irma R.	*Arkansaw*
Streuli, Elsie Margaret	*Union Grove*
Strickland, Benjamin Franklin B.A.	*Waco, Texas*
Strom, John Manfred (LS)	*Kenosha*
Strombeck, George S.	*Racine*
Struck, Louise Blanch B.A.	*Jacksonville, Fla.*
Studebaker, Mabel Thelma B.A.	*Erie, Pa.*
Studeman, Jeanette Louise (A)	*Madison*
Studnick, Angeline	*Nokomis, Ill.*
Stull, Wilber Bernard	*Fremont, Ohio*
Stupecky, Harold E.	*Racine*
Stutzman, Dorles Camille B.A.	*Springfield, Ill.*
Sullivan, Elizabeth Anne	*Milwaukee*
Sullivan, Michael Patrick (LS)	*Chicago, Ill.*
Sullivan, William Patrick B.A.	*Illiopolis. Ill.*
Summeril, Franklin John (E)	*Monroe*
Sumner, Florence Josephine	*Delavan*
Sunby, Clara Helen	*Milton*
Sunderland, Dorothy La Moine	*Milledgeville, Ill.*
Sutherland, Elizabeth Frances (LS)	*Madison*
Sutherland, Lucille Virginia	*St. Louis, Mo.*
Sutor, Ethel Marie	*Wisconsin Rapids*
Swain, Pauline	*Thompson, Iowa*
Swallow, Richard Hamilton (LS)	*Danville, Ill.*
Swensen, Theodore Lawrence (E)	*Milwaukee*
Swanson, Melvin Warden (LS)	*Glenwood City*
Swartz, Stanley D. (LS)	*Madison*
Swayne, Viola Anita	*Brooklyn, N. Y.*
Sweet, Katharine Buckland M.A.	*Wausau*
Sweete, Ruth Naomi B.S.	*Rudolph, Ohio*
Sweitzer, Matilda Renetta	*Wilson*
Swenson, Richard Louis (LS)	*Chicago, Ill.*
Swerdloff, Dorothy Y. (LS)	*Madison*
Swigart, Russell Armon (LS)	*Logansport, Ind.*
Swingler, Alice Beatrice Marie (LS)	*Chicago, Ill.*
Swyers, Nashold Gladys A.	*Patagonia, Ariz.*
Sykes, Robert Hart (LS) (M)	*Madison*
Sylvester, Ruth Blanche (A)	*Madison*
Symons, Helen Henly	*River Forest, Ill.*
Tabscott, William J. B.A.	*Hamlit, Ohio*
Tait, Frances Agnes B.S.	*Huron, S. Dak.*
Tanaka, Tadahiro (LS)	*Honolulu, Hawaii*
Tanner, Flora Wilhelmina	*Martinsberg, W. Va.*
Tarney, Clyde Harold Ph.M.	*Wonewoc*
Tarrell, Mrs. Anne Martin B.A.	*Madison*
Tasche, John Jr. (LS) (M)	*Sheboygan*

Tasker, Roger Rolland	*Fall River*
Taxon, Helen Caroline	*Rockford, Ill.*
Taylor, Adeline Olcott Ph.B.	*La Crosse*
Taylor, Angaleen Lucile B.A.	*Omaha, Nebr.*
Taylor, Bessie Iona	*Winfield, Kans.*
Taylor, Bessie Wilkinson	*Haddonfield, N. J.*
Taylor, Dona Grace (A)	*Iola*
Taylor, Doris Barbara	*Waupun*
Taylor, Dorothy Charlotte	*Westfield*
Taylor, Frank James	*Manitowoc*
Taylor, Grace Elizabeth B.A.	*Delavan*
Taylor, Martha E. B.S.	*Minneapolis, Minn.*
Taylor, Martha MacIntyre B.A.	*Madison*
Taylor, Mildred Leah	*Newton Falls, Ohio*
Taylor, Ruby Doris	*Muscoda*
Taylor, Sarah Ellen	*Superior*
Taylor, William Russell (E)	*Milwaukee*
Teague, Gladys Davis	*Mineral Point*
Teel, Stanley Males B.M.	*Owensville, Ind.*
Tegtmeyer, Charlotte Frances (LS)	*Evanston, Ill.*
Templeton, Leland George B.A.	*Cerro Gordo, Ill.*
Tenny, Dorothy Marie	*Kansas City, Mo.*
Terhune, Mrs. Persis Carter	*Hinsdale, Ill.*
Tesar, Ina Margaret	*Prairie du Chien*
Teske, Charles Ferdinand	*Luxemburg*
Tetzlaff, Lamb Otto (LS)	*Mishicot*
Tewkesbury, Richard Albert	*Marshalltown, Iowa*
Tewkesbury, Helen Louise B.A.	*Buffalo, N. Y.*
Thaisen, Lorens Hansen	*Chicago, Ill.*
Tharaldsen, Conrad Engerud Ph.D.	*Chicago, Ill.*
Thayer, Harry C. Ph.B. (G)	*Madison*
Theisen, Cecelia Anne	*Juneau*
Theisen, Mae A. E. (LS)	*Slinger*
Theisen, Margaret Mathilda	*Juneau*
Theisen, Ruth Anne	*Juneau*
Thelander Theodore A. Jr. (LS)	*Chicago, Ill.*
Theru, Phil Henry	*New London*
Thibaudeau, Viola Eulalie	*Luxemburg*
Thierstein, Dorothy Brunhilda	*Hastings, Minn.*
Thom, Mary Elizabeth (LS)	*Appleton*
Thomas, Berniece N. (LS)	*Chicago, Ill.*
Thomas, Clyde Oral	*Freeport, Ill.*
Thomas, Edna, Frances B.S.	*Mayville, N. Dak.*
Thomas, Eloise Marguerite B.A.	*Milton*
Thomas, Grace Margaret B.A.	*Pasadena, Cal.*
Thomas, James Roy	*Loyal*
Thomas, Jean Elizabeth (LS)	*Oconomowoc*
Thomas, Lillian Marie	*Louisville, Ky.*
Thomas, Margaret Elizabeth	*Oshkosh*
Thompson, Arvid	*Williams Bay*
Thompson, Bertha V.	*Louisville, Ky.*
Thompson, Laura Josephine B.A.	*Beloit*
Thompson, Lulu Belle B.A.	*Corning, N. Y.*
Thompson, Martha Elizabeth (LS)	*Beloit*
Thompson, Mary Fishbyrne	*Elmwood*
Thompson, Nellie Iola (LS)	*Elmwood*
Thompson, Wenzel Slack (LS	*La Crosse*
Thomsen, Louise Caroline (G)	*Fond du Lac*
Thorbus, Martha B.A.	*Sparta*
Thornber, Gladys Sarah	*Burlington, Iowa*

Thorngate, John H. B.A.	*Exeland*
Thorpe, Florence Gaile	*Madison*
Thorsson, Evelyn H.	*Chicago, Ill.*
Thrasher, Edna Mildred	*St. Joseph, Mo.*
Thrasher, Thelma Naomi	*St. Joseph, Mo.*
Thrawl, Phoebe Cathryn B.A.	*Pana, Ill.*
Thuerer, Margaret Lillian B.S.	*Baraboo*
Thuringer, Dorothy Elizabeth	*Madison*
Thurwachter, Louis Henry	*Malone*
Tibbitts, Mary Blanche M.A.	*Melrose*
Tiedke, Ella Alvina	*Oconto*
Tien, Chung Chin	*Kan-su, China*
Timberlake, Erdine Rosalind	*Washington, D. C.*
Timberman, Alice B.S.	*Massena, Iowa*
Timbers, James Patrick (LS)	*Mauston*
Timbers, Margaret Alice (LS)	*Mauston*
Timmons, Peter Joseph	*Chicago, Ill.*
Tindle, Frank William	*Buffalo, N. Y.*
Titterington, Mary Olive	*Dallas, Texas*
Tittman, Virginia Dorothy	*Chicago, Ill.*
Tochterman, Alta M.	*Monroe*
Todd, Ralph R.	*Madison*
Todd, Wilbert R. (LS)	*Waukesha*
Toelle, Frances Bockins B.A.	*Berkeley, Cal.*
Tokarre, Edith	*Chicago, Ill.*
Tole, John W.	*Rockford, Ill.*
Tolf, Alva B.A.	*Chicago, Ill.*
Tolf, Helen	*Chicago, Ill.*
Tollefson, Doris Amber	*New London*
Tompkins, Elisabeth B.S.	*Webster Groves, Mo.*
Toole, Roland E. (E)	*Madison*
Tormey, Leona Mary (LS)	*Madison*
Tormey, Mary Elizabeth (LS)	*Twin Bluffs*
Toser, Marie Antoinette	*Milwaukee*
Tough, Rosalind M.A.	*Madison*
Toutenhoofd, Henrietta Jean B.A.	*Sheboygan*
Towell, Bernard Augustine	*Cleveland, Ohio*
Tower, Marie	*Cleveland, Ohio*
Towle, Frances C. (LS)	*Wausau*
Townsend, Martha Elizabeth	*Hot Springs, Ark.*
Toy, Mattie Mae B.A.	*Henderson, Ky.*
Trainor, Bernadette A.	*Fennimore*
Trainor, Margaret Adelaid (LS)	*Madison*
Trapani, Michael H. (LS)	*Brooklyn, N. Y.*
Trask, Ursula	*St. Louis, Mo.*
Tratt, Frances H. (E)	*Whitewater*
Trayser, Charles Frederick (LS)	*Milwaukee*
Treadon, Virginia	*Cleveland, Ohio*
Trefz, William Arthur (LS)	*Rockford, Ill.*
Tremper, Ruth Irene	*Kenosha*
Trenary, Ethel Agatha (LS)	*Madison*
Trevarrow, David John	*Ironwood, Mich.*
Tripalin, Mike Robert	*Madison*
Troutman, Corinne	*Seville, Ohio*
Troutman, Mary Elizabeth B.M.	*Marion, Ill.*
Troychak, Stephen G.	*Monessen, Pa.*
Trubell, Oscar R. (LS)	*Madison*
Trueblood, Basil Carl B.S.	*Watertown*
Truempler, Anna	*Alma*
Trumbull, Faith Caroline	*Racine*

Trumbull, Lura Eloise (LS)	*Evanston, Ill.*
Trumbull, Marjorie Elizabeth B.S.	*Racine*
Tso, Sheldon S. K.	*Bloomington, Ind.*
Tucker, Lillian Irene B.A.	*Madison*
Tuft, Warren Raiborn (LS) (M)	*Milwaukee*
Tully, Marion	*Wauwatosa*
Turk, Erna	*Sheboygan*
Turner, Selwyn	*Mobile, Ala.*
Turner, Marion Winifred	*East Chicago, Ind.*
Tutthill, Carolyn Sloan	*Chicago, Ill.*
Twohey, Francis J. P.	*Odell, Ill.*
Twohey, Kathryn Genevieve	*Ottawa, Ill.*
Tyler, Ransom (E)	*Milwaukee*
Tyner, Howard Dale B.S.	*Danvers, Ill.*
Uhlir, Antonette Kate	*Arthyde, Minn.*
Urben, Walter J. (LS) (M)	*Monticello*
Urch, Mildred Louise	*Aurora, Ill.*
Uphoff, Dudley Franklin	*Madison*
Utke, Otto Lawrence B.A.	*Enderlin, N. Dak.*
Vacquier, Victor (G)	*Madison*
Van Abel, Florence Helen	*Madison*
Van Akren, Ivar (E)	*Sheboygan*
Van Alen, Katharine Child	*Newark, N. J.*
Van Arsdall, Jennie	*Indianapolis, Ind.*
Van Cleve, Charles McCabe	*Olney, Ill.*
Van De Grift, James Jackson	*Albert Lea, Minn.*
Van den Heuvel, Pauline	*North Milwaukee*
Van Derhyden, Algoma C.	*Wabeno*
Van Der Kolk, Della Winifred BA..	*Hamilton, Mich.*
Vander Ploeg, Gertrude Margarat	*Grand Rapirs, Mich.*
Van Doren, Burr Jessell (LS) (M)	*Antigo*
Van Dresser, Irene Marie	*Elk Mound*
Van Hook, Evelyn Tryfosa	*Indianapolis, Ind.*
Van Kirk, May Francis	*Superior*
Van Noorden, Daisy M.A.	*Toledo, Ohio*
Van Pool, Gerald Meredith	*Janesville*
Van Sistine, Alberta Pauline	*West De Pere*
Van Skike, Margie A. (LS)	*Madison*
Van Tassel, Rolfe Howard	*Whitehall*
Van Wyk, Frank Jacob	*Appleton*
Varnell, Eva Catherine	*Baraboo*
Vaughan, Sarah Madeleine	*Washington, D. C.*
Vaughn, Susan Kirkman Ph.B.	*Florence, Ala.*
Veasy, Dorothy	*Tulsa, Okla.*
Veazy, Lotta Teeple	*Avilla, Ind.*
Vedder, M. Jeannette (LS)	*Marshfield*
Vega, Emma Louise (De) (La)	*Omaha, Nebr.*
Veldman, Florence	*Lake Mills*
Venable, William Henry	*Pittsburgh, Pa.*
Verhulst, Reta Jessie	*Milladore*
Vermeyen, Amanda Julia	*Green Bay*
Verrill, Wilma Charlotte	*Goodland, Ind.*
Vestling, Ruth M. B.A.	*Marinette*
Vethe, Mildred Bernice	*Baraboo*
Vickberg, Vivian Gunhild	*Superior*
Vigo, Mamie Maud	*Calumet, Mich.*
Vilas, Fred Lavonne (LS)	*Pierre, S. Dak.*
Vincent, Addie	*Hancock, Mich.*
Vincent, Rose S.	*Pittsburgh, Pa.*
Vinopal, Anastasia M.	*Mauston*

Vinopal, Barbara	*Mauston*
Vlack, Albert Wattawa	*Mukwonago*
Voelker, Margaret Ellen B.A.	*Winona, Minn.*
Voelker, Minna B.A.	*Winona, Minn.*
Vogel, Henry Eugene (LS) (M)	*Superior*
Vogt, Matilde	*Milwaukee*
Voight, Mrs. Winifred Alida Lamberson	*Whitehall*
Voit, Agnes (LS)	*St. Louis, Mo.*
Voit, Elsa Katherine	*Milwaukee*
Volk, Garth William (A)	*Oconto Falls*
Vollmer, Luella	*Alma*
Von Rump, Chester Cornelius	*Webster Groves, Mo.*
Von Thaden, Helen Mable	*Chicago, Ill.*
Vorrus, Effie Adelle	*Sturgis, S. Dak.*
Vorndran, Amelia Lorretta	*East Liverpool, Ohio*
Waddel, Jean	*La Grange, Ill.*
Waddle, Ethel Lucille	*Bellevue, Pa.*
Wade, Elizabeth Lucille	*Oak Park, Ill.*
Wadey, Floyd Harry	*Belleville*
Wagle, Mildred Kern	*Pittsburgh, Pa.*
Wagner, David (LS) (M)	*Bloomville*
Wagner, Esther Mae (LS)	*Madison*
Wagner, Ralph Leslie (LS)	*Chicago, Ill.*
Wahlquist, Evelyn Louise (LS)	*Hibbing, Minn.*
Walenta, Ruth Adelle	*Sauk City*
Walker, Dorothy Elizabeth B.A.	*Toledo, Ohio*
Walker, Mrs. Dorothy Drennan B.S.	*Albion, Ill.*
Walker, Edelguard Dorothy	*Milwaukee*
Walker, Hazel S.	*Delavan*
Walker, Mary Long	*Kansas City, Mo.*
Walker, Richard F.	*Albion, Ill.*
Walker, Robert G. (E)	*Racine*
Walker, Victor Elmer	*Delavan*
Wall, Willard William (LS) (M)	*Eau Claire*
Wallace, George Ivan (LS)	*Madison*
Walsh, Alice J. (LS)	*Madison*
Walsh, Caroline	*Milwaukee*
Walsh, Lawrence P.	*Greenland, Mich.*
Walter, Luella Cameron (LS)	*Oshkosh*
Walters, Ethel Lera	*Youngston, Ohio*
Walz, Leona Augusta	*Norwalk*
Wang, Chih (G)	*Peking, China*
Wanish, Helen Christine	*Boyd*
Ward, Emma France B.A.	*Baltimore, Md.*
Ward, Gerald C. (E)	*Madison*
Ward, James Weslesy B.A.	*Fort Wayne, Ind.*
Warnock, Elizabeth B.A.	*Ripon*
Warren, Bertha Condy Ph.B.	*Waukegan, Ill.*
Warren, Grace Ph.B.	*Waukegan, Ill.*
Warrington, Alexander H. G. C.	*La Crosse*
Wartinbee, David Russell	*La Crosse*
Washburn, Charles Sidney B.S.	*Tulsa, Okla.*
Washburn, Ethel Allen	*Greenville, Ill.*
Wasserman, Miriam	*Oakland, Cal.*
Waterman, Irl Lloyd (LS) (M)	*Suring*
Waterman, Morris C. (E)	*Barrington, Ill.*
Waters, Carmie Gertrude	*Blue Rapids, Kans.*
Watkins, Stanley Boley (LS)	*Barneveld*
Watson, Alice Pearl	*Dayton, Ind.*
Watson, David Lipscomb	*New Orleans, La.*

Watson, Ethel Belle	*Fond du Lac*
Watson, Margaret B.A.	*Barry, Ill.*
Watson, Shirley Rae (LS)	*Madison*
Watson, William Cunningham (LS)	*Chattanooga, Tenn.*
Watts, Alice Dorothy (LS) (M)	*Madison*
Watts, Mary Frances (Mu)	*Madison*
Wax, Max (LS)	*Milwaukee*
Weakley, Hannah Sarah B.S.	*Louisville, Ky.*
Weathers, William Mickle (LS)	*Madison*
Webb, Evelyn (LS)	*Poynette*
Webb, Ruth Eva	*Stockton, Ill.*
Webber, Barbara	*La Crosse*
Webber, Marjorie Elizabeth	*Roanoke, Va.*
Webber, Mary Minnie	*Fort Atkinson*
Weber, John C.	*Madison*
Weber, Louise Katherine	*Bloomington, Ill.*
Webster, Laurence Joseph (LS)	*Platteville*
Webster, Marjorie Fraser	*Washington, D. C.*
Wedin, Edith Irene B.S.	*Kansas City, Mo.*
Weedy, Hildegrade Margaret	*Tulsa, Okla.*
Weekes, Maude K.	*Watertown, N. Y.*
Weibrecht, dgar Louis (LS)	*Milwaukee*
Weigle, Theodore George	*Dunkirk, N. Y.*
Weik, Ethel Marie	*Wausau*
Weil, Ruth	*Chicago, Ill.*
Weiland, Mildred	*Madison*
Weinberg, Winnifred Frieda	*Chicago, Ill.*
Weingartner, Leda	*Belleville, Ill.*
Weinheimer, Erma Catherine	*Erie, Pa.*
Weir, Dorothy Frances	*Toledo, Ohio*
Weir, Earl Foster (LS) (M)	*Waupun*
Weis, Lee V.	*Piqua, Ohio*
Weisgerber, Virginia Edna B.A.	*Salina, Kans.*
Weiss, Corinne	*St. Joseph, Mo.*
Weiss, Ruth Alice	*Beloit*
Wellers, Emma Almeda	*Platteville*
Wells, Jo Helen	*Fontana*
Wemmer, Henry Robert	*Lima, Ohio*
Wendt, Florence (LS)	*Horicon*
Wendt, Floyd A. (LS) (M)	*Lake Mills*
Werder, Betty Anne (LS)	*Madison*
Werner, Archie Rihn	*Bloomer*
Werner, Virginia Elizabeth	*Oshkosh*
Wertheimer, Edward Herman	*Watertown*
Wertz, Louise Irene	*Pittsburgh, Pa.*
West, Alma Martha	*Wilmington, Ohio*
West, Annette G.	*Milwaukee*
Westall, Charles Colorado	*Greenup, Ill.*
Westendall, Alma Catherine	*Duluth, Minn.*
Weymark, Helen Catherine (LS)	*Olmstad, Ohio*
Whaley, John Henry	*Chicago, Ill.*
Wheatley, Stanley Allen (LS)	*Evanston, Ill.*
Wheeler, Mary Alice	*Milwaukee*
Wheeler, Mary Rutledge B.S.	*Chicago,Ill.*
Wheeler, Oliver John	*Beloit*
Wheeler, Theodore Harvey	*Ashland*
Whereatt, Jack Clinton	*Superior*
Wherry, John Alben (LS)	*Danville, Ill.*
Whitcombe, Mildred Hope	*Waterloo*
White, Alice Amelia	*Madison*

White, Elizabeth Farmer B.S.	*Lodi*
White, Ione Amy	*Milwaukee*
White, Katharine Frances	*Algoma*
White, Mary	*New Lisbon*
White, Myrth Alliene (LS)	*Madison*
Whitehurst, Louise Beatrice	*Savannah, Ga.*
Whitmer, Helen F.	*Kansas City, Mo.*
Whitney, Grace Elma	*Bellwood, Ill.*
Whitney, Ruth Lorraine B.A.	*Hillsdale, Mich.*
Whitson, Rosamond Louise (LS)	*Madison*
Whitson, Warren W.	*Rochelle, Ill.*
Wickless, Joyce Elizabeth	*Kirksville, Mo.*
Wiechers, Benton Thomas (E)	*Racine*
Wiechers, Federico Jaun (E)	*Mexico City, Mexico*
Wiechert, Esther	*Belleville, Ill.*
Wiegand, Opal	*Eagle River*
Wiegmann, Marie	*Quincy, Ill.*
Wienbergen, Lester August	*Platteville*
Wierciszewski, Regina (LS)	*Superior*
Wiese, Alyce (LS)	*Omaha, Nebr.*
Wieslander, Lillian	*Ashland*
Wiesmann, Lulu Elizabeth	*Belleville, Ill.*
Wiesner, Valerian Charles	*Wausau*
Wiggerly, Neva June	*Anderson, Ind.*
Wiig, Gladys Bagley (LS)	*Madison*
Wilbur, George Hunt	*Waukesha*
Wilbur, Lloyd J.	*Cadott*
Wilbur, Roberta Margaret	*Whitewater*
Wilcox, Helen Ruth (LS)	*Janesville*
Wilcox, Jack Henry (LS)	*Milwaukee*
Wilcox, Marian	*Menominee, Mich.*
Wild, Joseph (LS)	*Milwaukee*
Wilder, Dorothy Emeline	*Bloomington, Ill.*
Wilke, Walter Herman (LS)	*Horicon*
Wilkey, Jessie E.	*New Lisbon*
Wilkins, Merva Jean (LS)	*Lake Forest, Ill.*
Wilkinson, Natalie B.A.	*Kenosha*
Willers, Vernice B.A.	*Rose Hill, Ill.*
Willett, Dean	*West Allis*
Willett, Ida Bell	*Madison*
Williams, Birdie Mae B.S.	*Ironton, Ohio*
Williams, Daniel S.	*Bozeman, Mont.*
Williams, David Gardner	*Platteville*
Williams, David Leslie (LS) (M)	*Madison*
Williams, Eleanor Tryphena (LS)	*Madison*
Williams, Florence	*Duluth, Minn.*
Williams, Florence Marian	*Grand Rapids, Mich.*
Williams, Hellen Margaret	*Shawono*
Williams, Horton B.A.	*Searcy, Ark.*
Williams, Humphrey L. (A)	*Oshkosh*
Williams, Kathryn Jean	*Milwaukee*
Williams, Margaret E.	*Madison*
Williams, Margaret Ethelyn (LS)	*Cambria*
Williams, Mary Edwards	*Delavan*
Williams, Thomas Blaze	*Chicago, Ill.*
Williamson, Marjorie MacLean	*Mexico City, Mexico*
Williamson, Richard Pettis (LS)	*Mexico City, Mexico*
Williamson, William Henry Jr.	*Niagara Falls, N. Y.*
Wilson, Ada Eleanore	*Parkersburg, W. Va.*
Wilson, Dorothy Day	*Brilliant, Ala.*

Wilson, Eleanor Hazel (LS)	*Madison*
Wilson, Esther May	*Chippewa Falls*
Wilson, Fred A.	*Virden, Ill.*
Wilson, Helen Sears (LS)	*Madison*
Wilson, Mary Duffield	*Pittsburgh, Pa.*
Wilson, Mildred Ocea	*Parkersburg, W. Va.*
Wilson, Pearle Evelyn	*Amherst*
Wilson, Vera Gabrielle	*Portland, Ind.*
Winding, Charles Arthur (LS)	*Milwaukee*
Windross, Grace	*Little Suamico*
Wing, E. Mary Cameron (LS)	*La Crosse*
Winger, Maud Almera	*Amery*
Winkleman, Esther F.	*Whitewater*
Winne, Oscar H. (E)	*Honey Creek*
Winslow, Helen Marguerite	*Pontiac, Ill.*
Winslow, Katherine Irene	*Pontiac, Ill.*
Winslow, Norman Jasper	*Greenville, N. C.*
Winter, Margaret Elizabeth (LS)	*Negaunee, Mich.*
Winspear, Harriet E.	*Newark, N. Y.*
Wirka, Herman W. (LS) (M)	*Madison*
Wise, Helen Fairchild	*Covington, Ky.*
Wissmann, Harry Bernard	*Madison*
Wittich, Mildred Justyn (LS)	*Beloit*
Wittwer, Ernestine Marie (LS)	*Madison*
Wittwer, Selma Laura (LS)	*Madison*
Witz, BlancheM ae	*New Lisbon*
Wochos, Mabel Ann	*Kewaunee*
Woelfel, Adelaide M.	*Chilton*
Woerpel, Ella	*Madison*
Wofsy, Mrs. Frances I.	*Madison*
Wolcott, Marian	*Larned, Kans.*
Wold, Julia	*Viroqua*
Woldstad, Dorothy Mellen	*Oak Park, Ill.*
Wolever, John Frank (LS)	*Lafayette, Ind.*
Wolf, Walter John	*Melrose Park, Ill.*
Wolfe, Albyn Garrett	*Jacksonville, Ill.*
Wolfs, Marie Henrietta	*Cleveland, Ohio*
Wolkow, Ruth Margaret	*Hartford*
Wollangk, Orpha E. (LS)	*Oshkosh*
Woltring, Marie	*Milwaukee*
Wood, Martha Witherspoon	*Cairo, Ill.*
Wood, Ruth Hill B.A.	*Concord, Mass.*
Wood, Violet Betty	*Milwaukee*
Woods, John W.	*Juneau, Alaska*
Woodson, Lydia Stickrod B.A.	*St. Joseph, Mo.*
Woolverton, John J. Jr.	*South Bend, Ind.*
Wotton, Clarence J. (E)	*Merrill*
Worthington, Dean Bradford (LS)	*Beloit*
Wray, James Glen (E)	*Glencoe, Ill.*
Wrend, Joe (LS)	*Madison*
Wright, Alfred J. M.A.	*Waynesville, Ohio*
Wright, Helen E. B.	*Swarthmore, Pa.*
Wright, Iola Alice	*Williamson School, Pa.*
Wright, June Elizabeth	*Marengo, Ill.*
Wright, Miriam E. (A)	*Delavan*
Wrigley, Dorothy Helene B.A.	*Wyoming, Ill.*
Wunsch, Benjamin Albert (E)	*Reedsville*
Wurm, May	*Shullsburg*
Wyant, Edith Guinevere	*Madison*
Wyckoff, Edward Horatio	*Alton, Ill.*

Wyke, William John B.S.	*Edgewood, Pa.*
Wynes, Anne	*Niagara Falls, N. Y.*
Yarnelle, Elizabeth Coulter	*Easton, Pa.*
Yarrington, Annie Elizabeth	*Freehold, N. J.*
Yew, Chia-Chu (LS)	*Shantung, China*
Yoder, Harry T. B.A.	*South Whitley, Ind.*
Yoe, Paul John B.A.	*Mount Morris, Ill.*
Yolton, Leslie A. (E)	*La Crosse*
Yonker, Carl C. (E)	*Madison*
Young, Charlotte M. (LS)	*Chicago, Ill.*
Young, Frederick James (LS)	*Madison*
Young, Georgina L.	*Pittsburgh, Pa.*
Young, Harvey	*Hartford*
Young, Helen	*Chicago, Ill.*
Young, Mabel Lillian	*East St. Louis, Ill.*
Young, Mildred Emily	*Muskegon, Mich.*
Young, Orris Sylvester	*Chili*
Youngberb, Peryl Martha	*Randolph, Kans.*
Younge, Paul A.	*Peoria, Ill.*
Zaborowsky, Adolph Joseph (E)	*Racine*
Zander, Bernice Augusta B.M. (LS)	*Two Rivers*
Zarkey, Sidney	*Madison*
Zartner, Norma Julia	*Milwaukee*
Zavitosky, Agnes Dorothy	*Milwaukee*
Zavitosky, Marie Emeline (A)	*Milwaukee*
Zealley, Irene Mitchell (LS)	*Milwaukee*
Zellmer, Luther A.	*Marinette*
Zellmer, Martin Julius	*Tigerton*
Zenk, Martha	*Milwaukee*
Zenk, Olga Erna	*Sheboygan*
Zeratsky, Kathryn Marie	*La Crosse*
Zermuehlen, Herman William (E)	*Two Rivers*
Zickefoose, Ruth B.S.	*Buckannon, W. Va.*
Ziebarth, Mary L. (A)	*Madison*
Ziebell, Ernest W. (LS)	*Madison*
Ziegler, Esther Ruth	*Appleton*
Ziehlsdorff, Walter C. (E)	*Washburn*
Zielsky, Frederick Adelbert LL.B.	*South Shore, S. Dak.*
Ziller, Julia Irene	*Wauwatosa*
Zillmann, Don H. (E)	*Colby*
Zimmer, Helen Eileen	*Emden, Ill.*
Zimmerman, Reinhart Robert	*Monticello*
Ziolkowski, Helen E.	*Milwaukee*
Zitron, Jennie	*Milwaukee*
Zoerb, Frederick Cecil (E)	*Oshkosh*
Zoern, Elizabeth Jane Anne	*Chicago, Ill.*
Zook, Gladys May	*Indianapolis, Ind.*
Zum Brunnen, Clara Lydia	*Monroe*
Zuraitis, Charles Joseph	*Chicago, Ill.*
Zweifel, Alfred Jost	*Milwaukee*

LAW

Allen, Harold J. B.S.	*Laurens, Iowa*
Allen, James Henry Jr.	*St. Louis, Mo.*
Anderson, Charles B.	*Bloomington, Ind.*
Axley, Frederic Russell B.A.	*Seymour*
Bannon, Francis Charles	*Leavenworth, Kans.*
Barden, Lawrence Andrew B.A. (L)	*Madison*
Baumgarten, John Henry	*New Orleans, La.*

Bell, Glen Hugh, B.A.	*Madison*
Belshaw, Marshall E. B.A.	*Hammond, Ind.*
Berkwich, Berthold Leon (L)	*Milwaukee*
Bogue, Harold James B.A.	*Beresford, S. Dak.*
Bussan, N. G. B.S.	*Cuba City*
Carter, Clinton Lyle B.A.	*Castlewood, S. Dak.*
Carter, Thomas Brandon	*Madison*
Cavanaugh, John Stephen (L)	*Madison*
Clapp, Frederick Horton B.A. (L)	*Madison*
Clarkson, Jack George (L)	*Milwaukee*
Cogdill, John Lincoln	*Fort Myers, Fla.*
Conners, Nelson David B.A. (L)	*Chippewa Falls*
Cook, John Conway B.A.	*Detroit, Mich.*
Cranefield, Harold Alfred Ph.B.	*Madison*
Crutcher, William Henry Jr. (L)	*Muskogee, Okla.*
Cundiff, Morris H. (L)	*Wichita, Kans.*
Derzon, Matthew R. (L)	*Milwaukee*
Dewees, Carroll Fontaine B.A.	*West Palm Beach, Fla.*
Dooley, John Warren	*Bloomington, Ill.*
Esch, John Henry B.A.	*La Crosse*
Fadness, Andrew C. B.A.	*Rio*
Farr, Merrill Rufus	*Eau Claire*
Federer, Jacob Frank B.A. (G) (L)	*Sheboygan*
Fehlhaber, Orville Walter B.A. (L)	*Wausau*
Finn, Edwin Alfred (L)	*Madison*
Fletcher, Frederick Wortman Jr.	*Crawfordsville, Ind.*
Foss, Edwin Roy M. A.	*Wabasha, Minn.*
Graham, George Boyington	*Tampa, Fla.*
Gratz, George B.A. (L)	*Milwaukee*
Haley, Eugene Leo	*Chippewa Falls*
Harper, Adam Harmon B.S.	*New Orleans, La.*
Harris, Warren Harold B.S. (LS	*Madison*
Heggestad, Ernest J. B.S.	*Madison*
Holloman, John Blanchard Jr.	*New Orleans, La.*
Houck, John Howard Jr. (L)	*Gibsland, La.*
Imerman, Sidney J. (LS)	*Detroit, Mich.*
Jackman, Willmarth L. B.A. (L)	*Madison*
Katz, George B.A. (L)	*Madison*
Kiessling, William Edward B.A. (L)	*Jefferson*
Kilness, Gideon Waldemar M.A.	*Sherman, S. Dak.*
Kohl, John (L)	*Marshfield*
Kramer, Max Theodore (L)	*Milwaukee*
Krieser, Lionel Ira	*Green Bay*
Krueger, John E. (L)	*Milwaukee*
Krug, Eugene B.A. (L)	*Milwaukee*
Larkin, George J. (L)	*Sturgeon Bay*
Lewis, Helmar Ariel (L)	*McFarland*
Litow, Max (L)	*Milwaukee*
Long, John LeRoy (L)	*Grafton*
Long, Ronald M.	*Grafton*
McAndrew, Harry Francis Ph.B.	*New Richmond*
McCain, James Irving B.A.	*Minden, La.*
McCredie, Esther L. B.A.	*Flint, Mich.*
Mainland, Kenneth Sinclair (LS) (L)	*Madison*
Massey, Oswald Edwin	*Barneveld*
Mathiowetz, Bernard Ferdinand (L)	*Ashland*
Meyers, Henry A. B.A. (L)	*Madison*
Monte, Dominic Charles (L)	*Wausau*
Moorhead, Alfred J.	*Madison*
Morris, Wilminor B.A.	*Houston, Texas*

Moskowitz, Paul Leopold	*Milwaukee*
Munson, Earl Henry B.A. (LS)	*London*
Murray, James Martin	*Chicago, Ill.*
Neprud, Lincoln B.A. (L)	*Westby*
Page, Harry Donald (L)	*Madison*
Porter, Hawley Vinton B.A. (L)	*Miles City, Mont.*
Prosser, Frederick Harold B.A. (L)	*Wauwatosa*
Quilling, Albert L. (L)	*Menomonie*
Quilty, Francis Cyril B.A. (L)	*Madison*
Rapkin, Joseph Eugene B.A.	*Milwaukee*
Resh, Warren Herlan B.A.	*Winnebago, Ill.*
Risberg, Earl Livingstone B.A. (L)	*Cumberland*
Schlosstein, Belmont Harry B.A. (L)	*Cochrane*
Schnepp, C. Clyde	*Springfield, Ill.*
Schwarzhoff, Bernard Adolph B.A.	*Waukon, Iowa*
Smith, Rowena E. B.A. (L)	*Rockford, Ill.*
Swan, George Campbell (L)	*Beaver Dam*
Swink, Joseph Owen	*Columbia, Mo.*
Thompson, John X. (L)	*Wauzeka*
Tice, Laurence Willard B.S. (L)	*Omro*
Van Ostrand, Dexter Culver (L)	*Madison*
Vaughan, R. Worth	*Madison*
Vinovsky, Tesse	*Milwaukee*
Wagner, John Francis	*Dearbrn, Mich.*
Wallace, Malcom Penrod B.A.	*Ewing, Ill.*
Walter, C. Huston	*Iroquois, S. Dak.*
Walters, Archie Le Roy	*Des Mines, Iowa*
Wanish, Al Gay	*Boyd*
Wegner, Emil Fred (L)	*Fond du Lac*
Wheeler, Floyd E. B.A.	*Beloit*
Woodruff, Richard Starkey	*Orlando, Fla.*
Woolsey, Theodore Dwight Jr.	*Beloit*
Worthing, Kenneth E. (L)	*Fond du Lac*
Zucker, Benjamin (L)	*Milwaukee*

STATISTICAL TABLES

DEGREES ACCORDING TO COURSES

	1854–1927	1927
Number of first degrees granted 1854-1927	24,208	1,312
Present Courses		
Courses leading to the degree of Bachelor of Arts, 1904-1927	10,222	719
(Included in the above are the Course in Commerce, 1904-1927, 1,650; 1927, 79; the Course in Journalism, 1914-1927, 420; 1927, 60; and the Course in Humanities, 1922-1927, 33; 1927, 8)		
Course for Normal School Graduates, Ph. B., 1898-1927	913	49
General Course, Ph. B., 1917-1927	306	59
Chemistry Course, B. S., 1909-1927	286	17
Chemistry—Commerce Course, B. S., 1927	3	3
Physical Education Course, B. S., 1920-1927	150	25
Applied Arts Course, B. S., 1922-1927	100	30
Industrial Education Course, B. S., 1922-1927	44	7
Medical Science Course, B. S., 1909-1927	547	30
Hygiene Course, B. S., 1927	2	2
Pharmacy Course, B. S., 1895-1927	123	9
Pharmacy Course, Ph. G., 1884-1927	470	5
Bachelor of Music, B. M., 1917-1927	117	23
Course in Agriculture, B. S., 1878-1927	1,467	49
Home Economics Course, B. S., 1909-1927	820	69*
Two-Year Course in Agriculture, Ag. G., 1910-1927	230*	2
Law Course, LL. B., 1869-1927	2,458	71
Civil Engineering Course, B. S., 1876-1927	982	41
Mechanical Engineering Course, B. S., 1876-1927	816	20
Electrical Engineering Course, B. S., 1892-1927	1,060	58
Chemical Engineering Course, B. S., 1903-1927	338	20
Mining Engineering Course, B. S., 1910-1927	119	6
Courses Discontinued		
Ancient Classical Course, B. A., 1854-1903	470	
Modern Classical Course, B. L., 1886-1903	548	
English Course, B. L., 1887-1903	459	
Civil Historical Course, B. L., 1893-1903	383	
General Science Course, B. S., 1886-1903	722	
Geology Course, B. S., 1914	1	
School of Music, M. G., 1898-1916	134	
School of Commerce (B. L., 8; B. S., 1) 1902-1903	9	
Normal Course, 1865-1868	25	
Metallurgical Engineering Course, B. M. E., 1876-1896	16	
General Engineering Course, B. S., 1901-1910	96	
Manual Arts Course, B. S., 1921	2	
Course in Home Economics (Two-Year Course) Ag. G., 1920-1922	8*	
Two-Year Course for Supervisors of Music, 1910-1925	173*	
Three-Year Course for Supervisors of Music, 1925	4*	
Number of Higher degrees granted in course, 1875-1927	5,119	432
Master of Arts, M. A., 1879-1927	2,289	185
Master of Letters, M. L., 1879-1903	97	
Master of Science, M. S., 1879-1927	1,121	94
Master of Science, Engineering, M. S., 1922-1927	88	12
Engineering, 1879-1927	401	2
Master of Pharmacy, M. Pharm., 1903	1	
Master of Agriculture, M. Agr., 1893	1	
Master of Philosophy, M. Ph., 1879-1927	160	26
Master of Public Health, 1915-1916	4	
Doctor of Public Health, 1912-1915	2	
Doctor of Philosophy, Ph. D., 1892-1927	930	88
Doctor of Medicine, M. D., 1927	25	25

KINDS OF DEGREES

Number of first degrees granted, 1854-1927		24,208
Bachelor of Arts, 1854-1927	10,692	
Bachelor of Philosophy, 1898-1927	1,219	
Bachelor of Letters, 1876-1903	1,398	
Bachelor of Science, 1873-1927	7,679	
Bachelor of Metallurgical Engineering, 1876-1896	16	
Bachelor of Laws, 1869-1927	2,458	
Bachelor of Music, 1917-1927	117	
Graduate in Music, 1896-1916	134	
Graduate in Pharmacy, 1884-1927	470	
Graduate in Agriculture (Two-Year Course) 1910-1927	238*	
Normal Course, 1865-1868	25	
Two-Year Course for Supervisors of Music, 1910-1925	173*	
Three-Year Course for Supervisors of Music, 1925	4*	
Number of higher degrees granted in course, 1875-1927		5,119
Masters, 1879-1927	3,961	
Engineering, 1879-1927	401	
Doctor of Public Health, 1912-1915	2	
Doctor of Philosophy, 1892-1927	930	
Doctor of Medicine, 1927	25	
Grand total of first and higher degrees granted, 1854-1927		29,327

HONORARY DEGREES

Doctor of Letters	10	2
Doctor of Laws	120	1
Doctor of Literature	4	
Doctor of Science	22	3
Doctor of Philosophy	4	
Doctor of Medicine	1	
Master of Arts	29	
Master of Science	1	
Civil Engineering	4	
Mechanical Engineer	1	
Bachelor of Arts	1	
Bachelor of Laws	2	
Bachelor of Mechanical Engineering	1	
Total Honorary Degrees	200	6

FACULTY

	Men	Women	Total
President, Registrar, and Deans	10	1	11
Professors	191	3	194
Associate Professors	90	14	104
Assistant Professors	154	41	195
Lecturers (Small part of time)	30	4	34
Associates (Small part of time)	6	2	8
Instructors	262	111	373
Assistants (mainly half time, but a few more than half time, and a considerable number less than half time)	274	98	372
Totals	1,017	274	1,291

*Not included in totals.

The above summary includes

a. Members of the instructional staff at Madison, both resident instruction and for extension.
b. Extension workers throughout the state.
c. Administrative officers and librarians having the rank of any member of the instructional staff.
d. The following who were on leave of absence for the academic year 1927-28

	Men	Women	Total
Professors	5	0	5
Associate Professors	1	0	1
Assistant Professors	4	2	6
Totals	10	2	12

There are one emeritus president, one emeritus dean, twelve emeritus professors, and one emeritus assistant professor not included in the above summary.

STUDENTS

SUMMARY OF CLASSES

	Men		Women		Total	
GRADUATE SCHOOL						
College of Letters and Science	542		310		852	
College of Engineering	52		1		53	
College of Agriculture	132		51		183	
		726		362		1,088
LAW SCHOOL						
Third Year	83		0		83	
Second Year	77		6		83	
First Year	131		9		140	
Specials	5		2		7	
		296		17		313
SCHOOL OF MEDICINE						
Fourth Year	28		1		29	
Third Year	36		4		40	
Second Year	74		7		81	
First Year	102		7		109	
		240		19		259
SENIORS*						
College of Letters and Science	662		710		1,372	
College of Engineering	208		1		209	
College of Agriculture	72		77		149	
		942		788		1,730
JUNIORS*						
College of Letters and Science**	670		712		1,382	
College of Engineering	194		1		195	
College of Agriculture	63		80		143	
		927		793		1,720
SOPHOMORES*						
College of Letters and Science**	997		669		1,666	
College of Engineering	219		0		219	
College of Agriculture	72		75		147	
		1,288		744		2,032

	Men	Women	Total
FRESHMEN			
College of Letters and Science**	1,369	796	2,165
College of Engineering	334	0	334
College of Agriculture	89	81	170
	1,792	877	2,669

*Last year the figure for Seniors included the third year law students and the second year medical students; the figure for Juniors included the second year law students and the first year medical students; and the figure for Sophomores included the first year law students.

**Includes students in the Graduate Nurse course.

ADULT SPECIAL STUDENTS			
College of Letters and Science	10	6	16
College of Engineering	3	0	3
College of Agriculture	3	2	5
	16	8	24
UNCLASSIFIED STUDENTS			
School of Music	2	15	17
	2	15	17
WISCONSIN LIBRARY SCHOOL			
Seniors	0	7	7
Unclassified	1	35	36
	1	42	43
GRAND TOTAL, Regular Year	6,230	3,665	9,895
Twice counted	204	19	223
NET TOTAL, Regular Year	6,026	3,646	9,672

SUMMARY BY COLLEGES

GRADUATE SCHOOL

Fellows	55	18	73
Scholars	24	18	42
Other Graduate Students	647	326	973
(Not carried into totals because included in lists below)	(726)	(362)	(1,088)

COLLEGE OF LETTERS AND SCIENCE

Fellows	30	13	43
Scholars	19	17	36
Graduates	493	280	773
Seniors	662	710	1,372
Juniors	670	700	1,370
Sophomores	997	641	1,638
Freshmen	1,369	768	2,137
Adult Specials, Second Year	2	4	6
Adult Specials, First Year	8	2	10
Unclassified	2	15	17
	4,252	3,150	7,402

Included in the above are the following courses and schools

CHEMISTRY COURSE			
Seniors	25	5	30
Juniors	26	2	28
Sophomores	32	3	35
Freshmen	28	6	34
	111	16	127
CHEMISTRY-COMMERCE COURSE			
Seniors	8	0	8
Juniors	8	2	10
Sophomores	24	1	25
Freshmen	16	0	16
	56	3	59
B. A. GENERAL COURSE			
Seniors	365	478	843
Juniors	288	494	782
Sophomores	608	495	1,103
Freshmen	772	599	1,371
Adult Specials, Second Year	1	4	5
Adult Specials, First Year	6	1	7
	2,040	2,071	4,111
PH. B. GENERAL COURSE			
Seniors	94	18	112
Juniors	84	8	92
Sophomores	111	15	126
Freshmen	112	8	120
Adult Specials, First Year	1	0	1
	402	49	451
COURSE IN HUMANITIES			
Seniors	2	11	13
Juniors	10	5	15
Sophomores	4	8	12
Freshmen	5	8	13
	21	32	53
HYGIENE COURSE (SCHOOL OF NURSING)			
Seniors	0	7	7
Juniors	0	15	15
Sophomores	0	5	5
Freshmen	0	10	10
	0	37	37
COURSE FOR NORMAL-SCHOOL GRADUATES			
Seniors	4	36	40
Juniors	4	13	17
Sophomores	1	2	3
	9	51	60
COURSE IN PHARMACY			
Four-Year Course			
Seniors	15	2	17
Juniors	9	2	11
Sophomores	12	1	13
Freshmen	20	2	22
	56	7	63

Three-Year Course			
Juniors	8	2	10
Sophomores	10	2	12
Freshmen	28	4	32
	46	8	54
PRE-MEDICAL COURSES			
Seniors	9	0	9
Juniors	77	8	85
Sophomores	143	4	147
Freshmen	172	8	180
Adult Specials, Second Year	1	0	1
	402	20	422
EXPERIMENTAL COLLEGE			
Freshmen	119	0	119
	119	0	119
SCHOOL OF COMMERCE			
Seniors	89	15	104
Juniors	83	14	97
	172	29	201
SCHOOL OF JOURNALISM			
Seniors	24	36	60
Juniors	31	37	68
	55	73	128
SCHOOL OF MUSIC			
Seniors	1	26	27
Juniors	6	27	33
Sophomores	4	32	36
Freshmen	10	41	51
Unclassified	2	15	17
	23	141	164
SCHOOL OF EDDUCATION			
COURSE IN APPLIED ARTS			
Seniors	6	30	36
Juniors	9	41	50
Sophomores	12	39	51
Freshmen	18	47	65
	45	157	202
COURSE IN INDUSTRIAL EDUCATION			
Seniors	9	0	9
Juniors	8	0	8
Sophomores	3	0	3
Freshmen	8	0	8
	28	0	28
COURSES IN PHYSICAL EDUCATION			
Seniors	11	46	57
Juniors	19	30	49
Sophomores	33	34	67
Freshmen	61	35	96
Adult Specials, First Year	1	1	2
	125	146	271

TEACHERS' CERTIFICATE (Students in Letters and Science courses registered for the teachers' certificate)			
Seniors	66	356	422
Juniors	56	229	285
Sophomores	6	13	19
Not carried into totals because included in lists above	(128)	(598)	(726)
COLLEGE OF ENGINEERING			
Fellows	6	0	6
Scholars	0	0	0
Graduates	46	1	47
Seniors	208	1	209
Juniors	194	1	195
Sophomores	219	0	219
Freshmen	334	0	334
Adult Specials, Third Year	1	0	1
Adult Specials, First Year	2	0	2
	1,010	3	1,013
Included in the above are the following courses:			
CHEMICAL ENGINEERING			
Seniors	30	0	30
Juniors	20	0	20
Sophomores	21	0	21
Freshmen	33	0	33
	104	0	104
CIVIL ENGINEERING			
Seniors	43	0	43
Juniors	57	0	57
Sophomores	58	0	58
Freshmen	108	0	108
	266	0	266
ELECTRICAL ENGINEERING			
Seniors	82	0	82
Juniors	72	1	73
Sophomores	86	0	86
Freshmen	115	0	115
	355	1	356
MECHANICAL ENGINEERING			
Seniors	46	1	47
Juniors	38	0	38
Sophomores	49	0	49
Freshmen	72	0	72
Adult Specials, Third Year	1	0	1
Adult Specials, First Year	2	0	2
	208	1	209
MINING ENGINEERING			
Seniors	7	0	7
Juniors	7	0	7
Sophomores	5	0	5
Freshmen	6	0	6
	25	0	25

COLLEGE OF AGRICULTURE

Fellows	19	5*	24
Scholars	5	1*	6
Graduates	108	45*	153
Seniors	72	77	149
Juniors	63	80	143
Sophomores	72	75	147
Freshmen	89	81	170
Adult Specials, Second Year	1	0	1
Adult Specials, First Year	2	2	4
	431	366	797

Included in the above are the following courses

LONG COURSE

Seniors	72	0	72
Juniors	63	3	66
Sophomores	67	2	69
Freshmen	78	2	80
Adult Specials, Second Year	1	0	1
Adult Specials, First Year	2	0	2
	283	7	290

MIDDLE COURSE

Second Year	5	0	5
First Year	11	0	11
	16	0	16

HOME ECONOMICS

Seniors	0	77	77
Juniors	0	77	77
Sophomores	0	73	73
Freshmen	0	79	79
Adult Specials, First Year	0	2	2
	0	308	308

SCHOOL OF EDUCATION

TEACHERS' CERTIFICATE (Students in College of Agriculture courses registered for the teachers' certificate)

Seniors	14	51	65
Juniors	6	23	29
Sophomores	0	2	2
Not carried into totals because included in lists above	(20)	(76)	(96)

LAW SCHOOL

Third Year	83	0	83
Second Year	77	6	83
First Year	131	9	140
Specials, First Year	5	2	7
	296	17	313

*These figures included Home Economics Fellows 1, Scholars 1, and Graduates 38.

MEDICAL SCHOOL

Fourth Year	28	1	29	
Third Year	36	4	40	
Second Year	74	7	81	
First Year	102	7	109	
		240	19	259

SCHOOL OF NURSING

Hygiene Course				
Seniors	0	7	7	
Juniors	0	15	15	
Sophomores	0	5	5	
Freshmen	0	10	10	
		(0)	(37)	(37)

Not carried into totals because already included in the College of Letters and Science.

Graduate Nurse (Three Year Course)				
Juniors	0	12	12	
Sophomores	0	28	28	
Freshmen	0	28	28	
		0	68	68

WISCONSIN LIBRARY SCHOOL

Library Course	1	35	36	
Joint Course	0	7	7	
		1	42	43

SCHOOL OF EDUCATION

Fellows	2	1	3	
Scholars	2	0	2	
Graduates	47	43	90	
Seniors	106	483	589	
Juniors	98	323	421	
Sophomores	54	88	142	
Freshmen	87	82	169	
Adult Specials, First Year	1	1	2	
		(397)	(1,021)	(1,418)
GRAND TOTAL, Regular Year	6,230	3,665	9,895	
Twice Counted	204	19	223	
NET TOTAL, Regular Year	6,026	3,646	9,672	

The item of 223 students twice counted occurs because of double classification as follows

Law 1 and Letters and Science 3	4	0	4	
Law 1 and Commerce Course 3	0	1	1	
Law 1 and Letters and Science 4	21	1	22	
Law 1 and General Course 4	6	0	6	
Law 1 and Commerce Course 4	1	0	1	
Law 1 and Letters and Science Grad	3	0	3	
Law 2 and Letters and Science 4	2	0	2	
Law 2 and General Course 4	1	0	1	
Law 2 and Letters and Science Grad	2	0	2	
Law 3 and Letters and Science 4	1	0	1	
		41	2	43

Medicine 1 and Letters and Science 3	23	1	24	
Medicine 1 and Letters and Science 4	63	2	65	
Medicine 1 and Letters and Science Grad	6	0	6	
Medicine 2 and Letters and Science 4	46	3	49	
Medicine 2 and Course in Humanities 4	1	0	1	
Medicine 2 and Letters and Science Grad	10	1	11	
Medicine 3 and Letters and Science 4	5	0	5	
Medicine 3 and Letters and Science Grad	4	0	4	
Medicine 4 and Letters and Science 4	5	0	5	
Medicine 4 and Physical Education 4	0	1	1	
	163	8		171
Graduate Nurse 2 and Letters and Science Grad	0	1	1	
Graduate Nurse 3 and Letters and Science Grad	0	1	1	
	0	2		2
Wisconsin Library School and Letters and Science 4	0	7		7
	204	19		223

SUMMER SESSION OF 1927

COLLEGE OF LETTERS AND SCIENCE			
Graduate Students			
Registered in Graduate School			
Six Weeks	419	369	788
Nine Weeks	148	60	208
Not Registered in Graduate School	155	422	577
Undergraduates and Teachers	927	1,961	2,888
COLLEGE OF ENGINEERING			
Graduate Students			
Registered in Graduate School			
Six Weeks	4	0	4
Not Registered in Graduate School	4	0	4
Undergraduates and Teachers	202	2	204
COLLEGE OF AGRICULTURE			
Graduate Students			
Registered in Graduate School			
Six Weeks	27	40	67
Nine Weeks	7	0	7
Not Registered in Graduate School	6	51	57
Undergraduates and Teachers	35	126	161
LAW SCHOOL	99	5	104
SCHOOL OF MUSIC	17	83	100
(Students in other colleges and schools electing music—69)			
GRAND TOTAL, Summer Session	2,050	3,119	5,169
Deducting students in attendance during the regular year 1927-28	791	501	1,292
NET TOTAL, Summer Session	1,259	2,618	3,877
The 1,292 students in attendance during the regular year are classified as follows			
COLLEGE OF LETTERS AND SCIENCE			
Graduate Students			
Registered in Graduate School			
Six Weeks	92	31	123
Nine Weeks	41	7	48
Not Registered in Graduate School	9	14	23
Undergraduates and Teachers	401	378	779

COLLEGE OF ENGINEERING				
Graduate Students				
Registered in Graduate School				
Six Weeks	3	0	3	
Not Registered in Graduate School	1	0	1	
Undergraduates and Teachers	148	2	150	
COLLEGE OF AGRICULTURE				
Graduate Students				
Registered in Graduate School				
Six Weeks	14	2	16	
Nine Weeks	5	0	5	
Not Registered in Graduate School	2	0	2	
Undergraduates and Teachers	18	51	69	
LAW SCHOOL	54	1	55	
SCHOOL OF MUSIC	3	15	18	
	791	501	1,292	
ADDITIONAL ENROLLMENT				
College of Agriculture				
Short Course				
Second Year	59	0	59	
First Year	126	0	126	
	185	0	185	
Winter Dairy Course	58	0	58	
FEDERAL BOARD STUDENTS RECEIVING VOCATIONAL EDUCATION				
College of Engineering				
Undergraduates	1	0	1	
College of Agriculture				
Undergraduates	1	0	1	
School of Medicine	1	0	1	
	3	0	3	
Deducting twice counted	3	0	3	
	0	0	0	
GRAND NET TOTAL—Excluding Extension Students	7,528	6,264	13,792	
EXTENSION DIVISION (EXTRA-MURAL COLLEGE)				
Correspondence Study Department	6,761	4,609	11,370*	
Extension Classes	2,540	1,759	4,229	
Milwaukee Day School	208	54	262	

*This total enrollment comprises all those students who have enrolled for correspondence instruction within the current year up to July 1st, and also those carried over who had enrolled prior to July 1st, 1927, but whose registrations were then in force and whose time limit for completion of work had not terminated. Correspondence study enrollments are made at any time throughout the entire year.

SUMMARY OF STATES, FOREIGN COUNTRIES AND SEX

Regular Year, Summer Session only, and Short and Dairy Courses

		Regular Year		Summer Session		Short and Dairy Courses		Total Different Students		
		Men	Women	Men	Women	Men	Women	Men	Women	Total
1	Wisconsin	4,476	2,358	545	1,023	219	0	5,240	3,381	8,621
2	Illinois	567	427	171	403	13	0	751	830	1,581
3	Indiana	111	91	94	125	2	0	207	216	423
4	Ohio	87	71	62	129	0	0	149	200	349
5	Missouri	51	54	36	153	0	0	87	207	294
6	Michigan	54	97	38	95	0	0	92	192	284
7	Iowa	81	60	29	80	3	0	113	140	253
8	Pennsylvania	39	56	29	108	0	0	68	164	232
9	New York	97	77	20	33	0	0	117	110	227
10	Minnesota	64	60	24	61	1	0	89	121	210
11	Kansas	16	25	18	60	0	0	34	85	119
12	South Dakota	31	19	19	22	0	0	50	41	91
13	Texas	15	16	20	38	0	0	35	54	89
14	Kentucky	13	7	15	50	0	0	28	57	85
15	Nebraska	23	18	11	26	0	0	34	44	78
16	Oklahoma	16	19	10	15	0	0	26	34	60
17	New Jersey	18	14	6	15	0	0	24	29	53
18	Louisiana	5	8	13	20	0	0	18	28	46
19	North Dakota	10	18	5	8	1	0	16	26	42
20	Tennessee	7	9	8	15	1	0	16	24	40
21	California	7	7	5	14	0	0	12	21	33
22	Colorado	11	14	1	6	0	0	12	20	32
23	Connecticut	7	7	8	7	0	0	15	14	29
24	Massachusetts	9	8	2	5	0	0	11	13	24
25	Mississippi	3	6	4	11	0	0	7	17	24
26	Montana	11	7	5	1	0	0	16	8	24
27	West Virginia	3	4	4	13	0	0	7	17	24
28	Alabama	6	6	1	10	0	0	7	16	23
29	Florida	5	5	8	4	0	0	13	9	22
30	Maryland	4	11	0	6	0	0	4	17	21
31	Utah	9	4	1	5	0	0	10	9	19
32	Arkansas	3	2	5	8	0	0	8	10	18
33	Georgia	4	2	4	8	0	0	8	10	18
34	Oregon	11	4	3	0	0	0	14	4	18
35	Virginia	4	2	2	10	0	0	6	12	18
36	District of Columbia	3	6	1	7	0	0	4	13	17
37	Washington	6	7	2	1	1	0	9	8	17
38	South Carolina	6	0	2	5	0	0	8	5	13
39	North Carolina	3	3	5	0	0	0	8	3	11
40	Maine	2	1	1	2	0	0	3	3	6
41	Arizona	1	3	0	1	0	0	1	4	5
42	Idaho	1	2	1	0	0	0	2	2	4
43	New Hampshire	1	2	1	0	0	0	2	2	4

44	New Mexico	1	2	0	1	0	0	1	3	4
45	Rhode Island	2	0	1	1	0	0	3	1	4
46	Wyoming	0	2	0	2	0	0	0	4	4
47	Vermont	1	0	1	0	0	0	2	0	2
48	Delaware	1	0	0	0	0	0	1	0	1
	Total, United States	5,906	3,621	1,241	2,607	241	0	7,388	6,228	13,616
1	China	37	1	6	0	0	0	43	1	44
2	Canada	16	7	2	8	0	0	18	15	33
3	Philippine Islands	12	1	0	0	0	0	12	1	13
4	Germany	7	1	1	0	0	0	8	1	9
5	Mexico	5	1	1	1	0	0	6	2	8
6	England	4	2	0	0	0	0	4	2	6
7	Argentina	5	0	0	0	0	0	5	0	5
8	Hawaii	2	1	2	0	0	0	4	1	5
9	Japan	4	0	1	0	0	0	5	0	5
10	Chile	2	1	1	0	0	0	3	1	4
11	France	0	3	0	0	0	0	0	3	3
12	India	2	0	1	0	0	0	3	0	3
13	Norway	2	1	0	0	0	0	2	1	3
14	Switzerland	1	0	0	0	2	0	3	0	3
15	Alaska	1	0	0	1	0	0	1	1	2
16	Australia	2	0	0	0	0	0	2	0	2
17	Bulgaria	2	0	0	0	0	0	2	0	2
18	Panama	1	0	0	1	0	0	1	1	2
19	Poland	2	0	0	0	0	0	2	0	2
20	Porto Rico	0	0	2	0	0	0	2	0	2
21	South Africa	1	1	0	0	0	0	1	1	2
22	Turkey	0	2	0	0	0	0	0	2	2
23	Austria	1	0	0	0	0	0	1	0	1
24	Costa Rica	0	1	0	0	0	0	0	1	1
25	Czecho Slovakia	1	0	0	0	0	0	1	0	1
26	Federated Malay States	1	0	0	0	0	0	1	0	1
27	Jamacia	1	0	0	0	0	0	1	0	1
28	Korea	1	0	0	0	0	0	1	0	1
29	New Zealand	1	0	0	0	0	0	1	0	1
30	Nicaragua	1	0	0	0	0	0	1	0	1
31	Nova Scotia	0	1	0	0	0	0	0	1	1
32	Palestine	0	0	1	0	0	0	1	0	1
33	Panama Canal Zone	1	0	0	0	0	0	1	0	1
34	Scotland	1	0	0	0	0	0	1	0	1
35	Siam	1	0	0	0	0	0	1	0	1
36	Siberia	1	0	0	0	0	0	1	0	1
37	Spain	0	1	0	0	0	0	0	1	1
38	Sweden	1	0	0	0	0	0	1	0	1
	Total, Countries outside the United States	120	25	18	11	2	0	140	36	176
	Total, Wisconsin	4,476	2,358	545	1,023	219	0	5,240	3,381	8,621
	Total, Other States	1,430	1,263	696	1,584	22	0	2,148	2,847	4,995
	Grand Total	6,026	3,646	1,259	2,618	243	0	7,528	6,264	13,792

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