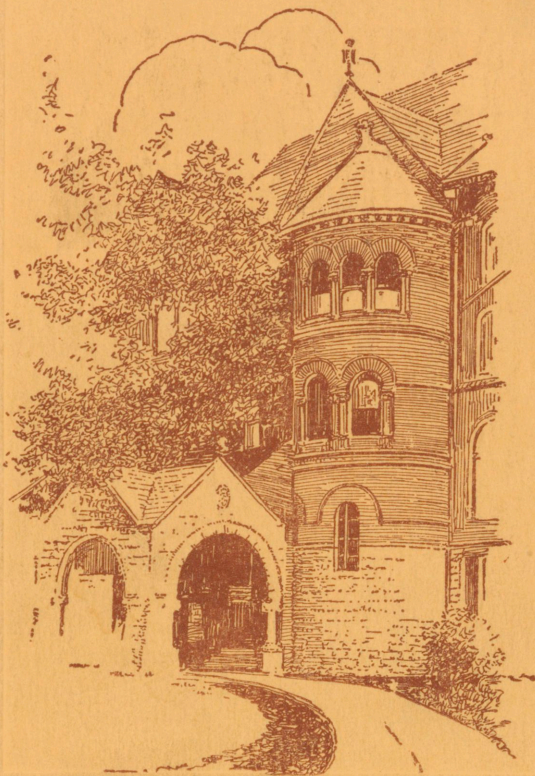


CIRCULATING COPY



Macalester College Bulletin

CATALOG NUMBER

April, 1939

Volume XXVII

Number 7

CIRCULATING COPY

Macalester College

Bulletin

CATALOG NUMBER



1939

Accredited by the North Central Association of Colleges and Secondary Schools as a degree granting institution.

Macalester College uses in its official publications a number of the reformed spellings recommended by the Simplified Spelling Board and now authorized by standard dictionaries.

SAINT PAUL, MINNESOTA

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Published Monthly except August and September

1939

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College Calendar

1939-1940

1939	
June 3-10	Saturday-Saturday, Second Semester Examinations.
June 7	Wednesday, 8:15 p. m., Recital, Conservatory of Music.
June 8	Thursday, 8:15 p. m., Senior Class Play.
June 9	Friday, 8:15 p. m., Senior Class Play.
June 10	Saturday, Senior and Alumni Day.
June 10	Saturday, 6:30 p. m., Alumni Banquet.
June 11	Sunday, 4:00 p. m., Baccalaureate Sermon.
June 12	Monday, 10:30 a. m., Fiftieth Annual Commencement.
June 12	Monday, 8:30 p. m., Reception.
Sept. 18-20	Monday-Wednesday, First Semester Registration.
Sept. 21	Thursday, 8:00 a. m., Classes begin.
Nov. 11	Saturday, Armistice Day.
Nov. 30-Dec. 3	Thanksgiving Vacation.
Dec. 16	Saturday, 12:00 m., Christmas Vacation begins.
1940	
Jan. 3	Wednesday, 8:00 a. m., Christmas Vacation ends.
Jan. 20-27	Saturday-Saturday, First Semester Examinations.
Jan. 29-30	Monday-Tuesday, Second Semester Registration.
Jan. 31	Wednesday, 8:00 a. m., Classes begin.
Feb. 22	Thursday, Washington's Birthday.
March 12	Tuesday, 7:00 p. m., Founders' Day Celebration.
March 15	Friday, Pi Phi Epsilon Initiation.
March 21	Thursday, 4:20 p. m., Spring Vacation begins.
April 1	Monday, 8:00 a. m., Spring Vacation ends.
April 26	Friday, Cap and Gown Day.
May 30	Friday, Memorial Day.
June 1-8	Saturday-Saturday, Second Semester Examinations.
June 10	Monday, Second Semester ends.

Board of Trustees

Officers of the Board

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CLARK R. FLETCHER	Vice-President
C. V. SMITH	Vice-President
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F. F. PASKEWITZ	Treasurer

TERMS EXPIRE JUNE, 1939

E. B. KIRK	St. Paul
WATSON P. DAVIDSON	St. Paul
F. R. BIGELOW	St. Paul
C. L. HILTON	St. Paul
*F. R. ANGELL	St. Paul
GEO. A. MAIRS, JR.	St. Paul
DR. WM. D. GRISE	Austin
F. F. PASKEWITZ	St. Paul
BARCLAY ACHESON	New York City

TERMS EXPIRE JUNE, 1940

C. H. BIGELOW	St. Paul
WM. P. KIRKWOOD	St. Paul
C. V. SMITH	Minneapolis
L. H. WILLIAMS	Minneapolis
REV. H. H. BALDWIN, D. D.	Minneapolis
REV. WM. J. BELL, D. D.	St. Paul
ARTHUR BRISTOW HOOD	Rapid City, S. D.
REV. HARRY NOBLE WILSON, D. D.	St. Paul

TERMS EXPIRE JUNE, 1941

REV. WM. H. BODDY, D. D.	Minneapolis
CARL T. SCHUNEMAN	St. Paul
PAUL D. SCHRIBER	St. Paul
R. M. WEYERHAEUSER	St. Paul
REV. A. L. ODELL, D. D.	St. Paul
CLARK R. FLETCHER	Minneapolis
FRED SCHILPLIN	St. Cloud
W. MELL HOBART	Minneapolis
DAVID J. WINTON	Minneapolis

*Deceased, June 10, 1938

Committees of the Board of Trustees

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L. H. WILLIAMS	CLARK R. FLETCHER

DAVID J. WINTON

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	C. V. SMITH

Instruction

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H. H. BALDWIN	W. P. KIRKWOOD
A. L. ODELL	W. MELL HOBART

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F. F. PASKEWITZ	CARL T. SCHUNEMAN
	R. M. WEYERHAEUSER

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C. H. BIGELOW	R. M. WEYERHAEUSER
	CLARK R. FLETCHER

Annuities

C. V. SMITH, Chairman	CLARK R. FLETCHER
F. R. BIGELOW	C. L. HILTON

Commencement

WM. H. BODDY, Chairman	W. P. KIRKWOOD
H. H. BALDWIN	A. L. ODELL

Administrative Staff

CLARENCE E. FICKEN, Ph. D., Dean of the College

MARGARET M. DOTY, M. A., Dean of Women

JOHN P. HALL, B. A., Registrar

CARL A. JENSEN, A. A. G. O., Hon. T. C. L., Director of the
Conservatory of Music

FERNAM BUDOLFSON, Assistant Treasurer

FRED A. REPLOGLE, Ph. D., Director of Guidance

GEORGE E. SCOTTON, B. A., Field Representative

MAUDE COMPEAU, R. N., Director of College Infirmary

HELEN STRATTE, B. A., Librarian

HELEN VICK, B. A., Assistant Librarian

SARAH E. MacKNIGHT, B. A., Secretary to the President

MARGARET HAMMOND, B. A., Secretary to the Deans

LORRAINE STEGNER, Secretary to the Registrar

ANN HUBBARD-SCOTTON, B. A., Bookkeeper

BETTY JANE PETERSON, B. A. Secretary,
Student Financial Affairs

VIVIAN GILBERT, Secretary to the Assistant Treasurer

IRMA GOWANS, B. A., Secretary to the Field Representative

BERTHA WIKRE, B. A., Assistant in the Library

CHARLOTTE GRAHAM, House Director, Wallace Hall

MRS. ADELLA B. ANDERSON, House Director, Kirk Hall

College Faculty*

(The figures in parentheses indicate the year of beginning service for Macalester College)

†JAMES WALLACE, President Emeritus.

Professor of Biblical Literature on the
Frederick Weyerhaeuser Foundation. (1887)

A. B., College of Wooster, 1874; A. M., 1877; Ph. D., 1887;

LL. D., 1892; D. D., Macalester College, 1923.

‡ANDREW WORK ANDERSON, Professor of Philosophy. (1891)

A. B., College of Wooster, 1889; A. M., 1892.

‡DAVID NEWTON KINGERY, Professor of
Mathematics and Astronomy. (1896)

A. B., Wabash College, 1893; A. M., 1899.

JOHN PORTER HALL, Registrar.

Professor of Greek. (1897)

A. B., Princeton University, 1897.

RICHARD URIAH JONES, Professor of Chemistry. (1901)

A. B., Macalester College, 1901; A. M., University of Wisconsin,
1916; Sc. D. Macalester College, 1926.

HUGH STUART ALEXANDER, Professor of Geology. (1906)

A. B., Macalester College, 1899; A. M., University
of Minnesota, 1905; Ph. D., 1931.

GLENN CLARK, Professor of English. (1912)

Ph. B., Grinnell College, 1905; A. M., Harvard University, 1908.

OTTO THEODORE WALTER, Professor of Biology. (1922)

A. B., State University of Iowa, 1916;

A. M., 1917; Ph. D., 1923.

INA ANNETTE MILROY, Professor of German. (1925)

Ph. D., University of Berlin, 1904.

RAYMOND JAY BRADLEY, Professor of Education (1932)

S. B., Cornell College, Iowa, 1912; Ph. D., University
of Minnesota, 1929.

§JOHN BOLTON KELSO, Professor of Art Appreciation. (1933)

A. B. Washington and Jefferson, 1894; Ph. D., U. of
Leipzig, 1904.

*The names are arranged according to seniority of appointment in each of the following groups: Professors, Associate Professors, Assistant Professors and Instructors.

†Retired

‡Retired—on part time

§Retired, Feb. 1, 1939

SAMUEL FLOYD FRANKLIN, Professor of Psychology. (1925)
A. B., Princeton University, 1912; A. M., 1914; B. D., Princeton
Seminary, 1915; Ph. D., New York University, 1925.

CLARENCE ELWOOD FICKEN, Dean of the College. Professor
of French. (1924)
A. B. Baldwin-Wallace College, 1916; A. M., Northwestern
University, 1917; Ph. D., University of Wisconsin, 1937.

KANO IKEDA, F. A. C. P., Professor of Medical
Technology (1937)
M. D. University of Illinois, 1914.

CHESTER HINES SHIFLETT, Professor of Chemistry. (1929)
A. B. Kingfisher College, 1921; A. M., Clark University, 1923;
Ph. D., University of Minnesota, 1933.

MARGARET MacGREGOR DOTY, Dean of Women.
Professor of English. (1920)
A. B., Macalester College, 1914; A. M., Columbia
University, 1927.

EDWIN KAGIN, Professor of Religion, on the Thomas W. Synnott
Foundation. (1926)
A. B. Centre College, 1904; B. D. Kentucky Theological Seminary,
1907; Th. M., Princeton Seminary, 1922; A. M., Princeton
University, 1923; D. D., Centre College, 1937.

KENNETH LEEDS HOLMES, Professor of History. (1925)
A. B., Yale University, 1917; A. M., University
of Louisville, 1925.

FRANK EARL WARD, Professor of English. (1926)
A. B. Oberlin College, 1922; A. M., 1923.

RUSSELL BYRON HASTINGS, Professor of Physics. (1929)
A. B., Clark University, 1924; A. M., 1925.

FORREST ALBERT YOUNG, Professor of Economics. (1929)
S. B., Monmouth College, 1922;
A. M. University of Chicago, 1926.
Ph. D., State University of Iowa, 1938.

GRACE LOVELL MAY, Associate Professor of English. (1924)
A. B., University of Minnesota, 1904; A. M., 1917.

- GEORGIANA PAINE PALMER, Associate Professor
of Latin. (1929)
A. B., Smith College, 1921; A. M., 1924; Ph. D.
University of Chicago, 1932.
- BORGHILD SUNDHEIM, Associate Professor of French. (1927)
S. B., University of Minnesota, 1925; A. M., 1927;
Ph. D., 1935.
- GRACE BEE WHITRIDGE, Associate Professor of
Dramatic Art. (1900)
Graduate Boston School of Oratory, 1890; post-graduate, 1891;
Graduate New York Academy of Dramatic Art, 1899.
- MILTON DUNCAN McLEAN, Associate Professor of
Religion. (1931)
S. B., University of Minnesota, 1921; D. B., Presbyterian Theo-
logical Seminary, Chicago, 1925; A. M., University of Chicago, 1931.
- EZRA JOHN CAMP, Associate Professor of Mathematics. (1937)
A. B., Goshen College, 1928; S. M., University of Chicago,
1932; Ph. D., 1935.
- FRANK GROSE MESERVE, Associate Professor of
Biology. (1937)
A. B., University of Nebraska, 1921; A. M., Northwestern
University, 1928; Ph. D., University of Nebraska, 1935.
- CARL A. JENSEN, Associate Professor of Musical Theory
and Organ. (1938)
A. A. G. O., 1924; Hon. T. C. L., 1935.
- FREDERICK ALLEN REPLOGLE, Director of Guidance.
Associate Professor of Psychology and Education. (1938)
A. B. Manchester College, 1921; A. M. Northwestern University,
1927; Ph. D., University of Chicago, 1936.
- DAVID CLAIR PRIMROSE, Assistant Professor and Director of
Physical Education for Men. (1926)
S. B., Bellevue College, 1911; B. P. E., Association
College, Chicago, 1916.
- MARY GWEN OWEN, Assistant Professor of Dramatic Art. (1928)
A. B., Macalester College, 1923; A. M., University
of Minnesota, 1936.
- DOROTHEA SCHULTZ, Assistant Professor of German. (1930)
Ph. B., University of Chicago, 1927; A. M., 1928.

- WILLIAM AUGUSTUS CORNELL, Assistant Professor of Sociology. (1934)
Ph. B., University of Wisconsin, 1923; A. M., University of Chicago, 1927.
- MARION WILLIAM BOGGS, Assistant Professor of Political Science. (1935)
A. B., University of Missouri, 1931; A. M., 1932.
- MRS. RUTH HANSON KOONTZ, Assistant Professor of Sociology, in charge of Social Work. (1935-37, 1938)
A. B., University of Minnesota, 1913; New York School of Social Work, certificate 1918.
- GORDON HARRISON, Assistant Professor of Spanish. (1936)
Ph. B., University of Chicago, 1925; A. M., University of Michigan, 1935.
- CHARLES ALVIN CARLETON, Assistant Professor of German. (1933)
A. B., University of Minnesota, 1928; A. M., 1931.
- FRANCES PRYOR IRWIN, Assistant Professor of History. (1937)
A. B., University of Minnesota, 1917; A. M., 1922.
- DWIGHT STUESSY, Assistant Director of Athletics. (1937)
S. B., University of Illinois, 1929.
- KENNETH ARCHIBALD BROWN, Assistant Professor of Philosophy. (1937)
A. B., Carleton College, 1930; A. M., Harvard University, 1932.
- HOLLIS LOWELL JOHNSON, Director of Music Ensemble. (1938)
A. B. Macalester College, 1932; Diploma Macalester Conservatory of Music, 1932.
- RUTH SCHELLBERG, Assistant Professor and Director of Physical Education for Women. (1938)
S. B. University of Nebraska, 1934; M. A. New York University, 1937.
- KARL HAROLD LEVANDER, Debate Coach. (1933)
A. B., Gustavus Adolphus College, 1932; LL. B., University of Minnesota, 1935.
- GEORGE ALEXANDER MAIRS, JR., Instructor in Economics. (1933)
A. B., Lafayette College, 1923; A. M., University of Minnesota, 1930.

- FRANCES HANLEY, Instructor in English. (1936)
A. B., Macalester College, 1932.
- IVAN CHARLES BURG, Instructor in English. (1936)
A. B., Macalester College, 1934.
- FRIEDA CLAUSSEN, M. T., Instructor in Medical
Technology. (1937)
B. S., Smith College, 1920.
- MRS. DELBERT SUNDEEN, Instructor in French. (1938)
A. B., Hamline University, 1920; A. M., University
of Minnesota, 1926.
- HILDE LYNCKER, Instructor in German. (1938)
Graduate of the Universities of Heidelberg and Kiel, Germany,
1929; A. M. Smith College, 1931.
- FRANK JOSEPH POLANSKY, Instructor in Mathematics. (1938)
A. B. University of Minnesota, 1936; A. M. 1938.
- NICHOLAS CARROLL NORELL, Instructor in Economics. (1938)
B. B. A., University of Minnesota, 1938.
- BERNHARD LEVANDER, Instructor in Speech. (1938)
A. B., Gustavus Adolphus College, 1934.
- HELEN HARRIS, Assistant in Biology Laboratory. (1938)
A. B., Macalester College, 1934; A. M., University of
Minnesota, 1938.
- ARTHUR KNUT KELSEN, Assistant in Chemistry
Laboratory. (1938)
A. B., Macalester College, 1937.
- LOWELL MOON, Assistant in Geology Laboratory. (1938)
A. B., University of Minnesota, 1930.
- HOWARD EDWARD GUSTAFSON, Fellow in Biology. (1937)
A. B., Macalester College, 1937.
- JEAN ANDERSON, Fellow in Speech. (1938)
A. B., Macalester College, 1938.
- WILBUR HUMBER, Fellow in Religion. (1938)
A. B., Macalester College, 1934; A. M., University of Chicago, 1937.
- JAMES PINNEY, Fellow in Religion. (1938)
A. B., Macalester College, 1936.

Committees of the Faculty

The President is ex-officio a member of each committee

Curriculum

R. E. FICKEN	O. T. WALTER	GEORGIANA PALMER
F. E. WARD	C. A. JENSEN	F. A. YOUNG
W. A. CORNELL	R. U. JONES	R. J. BRADLEY

Catalog

J. P. HALL	R. B. HASTINGS	K. L. HOLMES
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Social Affairs

M. M. DOTY	C. E. FICKEN	G. B. WHITRIDGE
W. A. CORNELL	BORGHILD SUNDHEIM	

Athletics

R. B. HASTINGS	GORDON HARRISON	E. J. CAMP
S. F. FRANKLIN	D. C. PRIMROSE	DWIGHT STUESSY

Appointments

R. J. BRADLEY	E. KAGIN	F. A. YOUNG
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College Functions

G. B. WHITRIDGE	J. P. HALL	O. T. WALTER
HELEN STRATTE	C. A. JENSEN	

Religious Life and Activities

R. U. JONES	GRACE MAY	W. F. VANCE,
GLENN CLARK	EDWIN KAGIN	ex-officio

M. D. McLEAN, Chaplain

Public Relations

K. L. HOLMES	IVAN BURG	H. S. ALEXANDER
	F. E. WARD	

Student Honors

BORGHILD SUNDHEIM	C. H. SHIFLETT	INA MILROY
F. G. MESERVE		DOROTHEA SCHULTZ

Library

S. F. FRANKLIN	J. B. KELSO	HELEN STRATTE,
M. W. BOGGS	GEORGIANA PALMER	ex-officio

General Information

Historical Sketch

Macalester College was opened on September 15, 1885. It is the outgrowth of two academies founded by the distinguished Minnesota pioneer missionary and educator, the Rev. Edward Duffield Neill, D. D. One of these schools was founded in St. Paul, in 1853; the other was established in Minneapolis, in 1873. Both were named after Mr. M. W. Baldwin, the famous locomotive builder, who was a close friend of Dr. Neill and a financial supporter of his first educational undertaking. In 1873 Dr. Neill solicited aid from Mr. Charles Macalester of Philadelphia for the purpose of developing the Baldwin School into an undenominational college of the New England type. The latter gave for this purpose the noted summer hotel at St. Anthony Falls, known as the Winslow House. In appreciation of this gift the proposed institution was named Macalester College, March 5, 1874.

Failing in his effort to secure adequate endowment for this college for men only, Dr. Neill asked the Synod of the Presbyterian Church of Minnesota to adopt this college as a denominational institution. On October 15, 1880, by action of the Synod, it passed under Presbyterian control. The trustees of the college, in 1883, donated to the institution the forty acres on which it is now established. They then sold the Winslow House and from the proceeds thereof, in 1884, erected the east wing of the present main building. The same year the Synod completed an endowment of \$25,000 for the president's chair, and in 1885 the institution was opened to students.

From 1889 to 1898 Macalester College graduated one hundred men students. In 1893 the college was made coeducational.

In 1900 there was a reorganization of the Board of Trustees. In 1904 the first endowment campaign for \$300,000 was launched, which was completed in 1911, and two buildings erected on the campus, the Carnegie Science Hall and Wallace Hall, dormitory for women. In 1916 the endowment fund was increased by \$250,000.

Subsequent financial campaigns and gifts have increased the college endowment to \$2,350,454.00. With the erection of several more buildings, the Gymnasium, 1924, central heating plant, 1924,

Kirk Hall, men's dormitory, 1927, president's residence, 1927, and the acquisition of other property and buildings, the value of the campus and buildings is now \$1,215,969.75.

Presidents of Macalester College

- REV. EDWARD DUFFIELD NEILL, * D. D., 1873-1884.
 REV. THOMAS A. MCCURDY, * D. D., 1884-1890.
 REV. DAVID JAMES BURRELL, * D. D., 1890-1891.
 REV. ADAM WEIR RINGLAND, * D. D., 1892-1894.
 JAMES WALLACE, Ph. D., LL. D., 1894-1906.
 THOMAS MOREY HODGMAN, * LL. D., 1907-1917.
 REV. ELMER ALLEN BESS, * D. D., 1918-1923.
 JOHN CAREY ACHESON, * A. M., LL. D., 1924-1937.

Form of Bequest

The corporate name of the institution is The Trustees of Macalester College.

Legal Form of Bequest.—I give and bequeath to The Trustees of Macalester College of St. Paul, Minnesota, duly incorporated under the laws of Minnesota, the sum of dollars.

Location

Macalester College is located in Macalester Park, in the Midway District of St. Paul, within easy access of the business centers of both St. Paul and Minneapolis. The public libraries and churches in both cities are open to the students and opportunities to hear the best in music and art—the Symphony Concerts, offerings of the Schubert Club, the St. Paul Institute, the University Concert course, opera and drama, are advantages which may be enjoyed by the students.

The campus contains forty acres with a frontage of six hundred and sixty feet on Summit Avenue.

Buildings

The Main Building contains classrooms, library and administration offices.

The Carnegie Science Hall is the gift of Mr. Andrew Carnegie. The first floor is devoted to physics and geology; the second to biology, mathematics and astronomy; and the third to chemistry.

Conservatory of Music, located on Summit Avenue, contains a recital hall, office and practice rooms.

*Deceased

Kirk Hall, a dormitory for men, is located on the corner of Lincoln and Snelling Avenues. It is of American Colonial style of architecture, built on the quadrangle plan in nine sections, each opening onto the central court. In most cases the rooms are arranged to provide a study-room with two, and sometimes three, adjoining bedrooms. There are also some single study-bedrooms. The building will accommodate 142 students. One section contains kitchen, dining-room and a community room.

Wallace Hall, a dormitory for women students, was named for James Wallace, now president-emeritus of the college. This three-story, fire-proof brick building contains rooms for 80 students. The drawing-rooms furnish opportunity for both informal and the more formal social activities. Although it is modern in equipment, the Hall is old enough to have built up about its family life many traditions and pleasant customs. A laundry open six days a week is available for student use.

The students of Wallace Hall participate, in cooperation with the hostess who resides in Wallace Hall, in student government. Students who have a sense of responsibility and who wish to share the responsibility for their own activities will find here every encouragement for the development of self-government, as well as a comfortable home during their college residence.

Rice Hall, named in memory of Rev. Daniel Rice, D. D., a former professor and trustee, is a frame building facing the campus, the first floor of which is equipped for the College Health Service, containing hospital rooms, diet kitchen, small dispensary as well as nurse's quarters.

The Gymnasium, of American Colonial design, is thoroly modern and complete. The main gymnasium floor is surrounded by a running track and spectators' balcony. The first floor also contains offices for the athletic directors of men and women, check rooms, a kitchen adequate for large social events and apparatus rooms. The second floor provides two rooms for boxing, wrestling and social events. The basement contains a standard swimming pool, hand ball courts, a field sports room and locker rooms.

Shaw Athletic Field, which was dedicated at the opening of the school year in 1909, was named in honor of Professor Thomas Shaw, former President of the Board of Trustees, on account of his interest and assistance in the athletics of the institution.

Library

The Edward D. Neill Library contains about 28,000 volumes and is located on the ground floor of the main building. In Carnegie Science Hall are department libraries.

Two hundred and twenty-five periodicals are on file in the Library or in the department libraries.

Toward maintenance of the Library there is set apart each semester two dollars and fifty cents of each tuition fee.

Henry L. Moss, a former trustee of the college, and his wife, bequeathed to the college an endowment which yields an income of \$450 for the Library.

The Library is open during the college year as follows: Monday to Friday, from seven-fifty to six and from seven to nine-twenty o'clock; Saturday, from seven-fifty to six o'clock; holidays, from nine to twelve and one to five o'clock.

Other Library Privileges

Accessible for special assignments are libraries which contain one and three-quarter millions of volumes. These are: the James Jerome Hill Reference Library, which supplements the resources of other libraries and affords unusual opportunity for study and research; the St. Paul Public Library; the library of the Minnesota Historical Society, with extensive collections in American history and a manuscript department open to properly qualified college students; the State Law Library, the Minneapolis Public Library and the University of Minnesota Library.

Registration

Students are required to register by the beginning of each semester. In case of delay in registration beyond the registration days indicated in the college calendar, a fine of one dollar is imposed for the first day and fifty cents for each subsequent day. No excuses are granted for late registration. Students may register by mail on deposit of tuition fee, subject to the entrance requirements stated on page 33.

For the first semester of the college year freshmen present themselves for registration on Monday morning of the opening week. On Tuesday registration of sophomores, juniors and seniors occurs. Registration without penalty ends Wednesday.

Second semester registration occurs on the Monday and Tuesday immediately preceding the second semester.

Students who have failed in half the work of one semester, counted by hours, except freshmen in the first semester of residence, may not register for the following semester.

Students who in their freshman year have earned no honor points and students who have completed two years of work and have not earned 16 honor points may not re-register.

Students whose influence is found to be hurtful, even though guilty of no serious breaches of order, will not be retained in the institution.

Examinations and Reports

Examinations are held at the close of each semester. A record is kept of each student's grades, a copy of which is sent to the parent or guardian at the middle and end of each semester.

Students who secure a passing mark in a course are graded as follows: A, B, C or D, which mean excellent, good, fair and poor, respectively. Students who do not reach a passing mark are graded as follows: Con, I or F. Con, meaning condition, implies that the student has failed in the final examination and that the deficiency may be removed by his passing in a second examination to be given within the first two weeks of the next semester in residence. If, however, a student's class grade is D, an F may be given on failure in one examination. I means that the mark is withheld by the instructor because the work required has not been completed. An I becomes F if not completed in the first six weeks of the next semester in residence. F means failure in term grade. In cases of failure students may secure credit only by repeating the course. A Con becomes an F upon failure to pass the second examination.

For private and condition examinations a fee of fifty cents shall be paid for each examination at the office of the treasurer.

Degrees

Graduates of the College of Liberal Arts receive the degree of Bachelor of Arts. The degree of Bachelor of Music is granted to students who fulfill the requirements for such degree in the Conservatory of Music.

Student Financial Aids and Awards

Macalester College provides a variety of opportunities for financial self-help. The type and amount of aid available varies according to the applicant's scholastic standing, need, geographic location, graduation plans, health, leadership and similar factors.

Application blanks for aid and for admission to the college may be secured from Mr. George Scotton, College Field Representative. These blanks should be completed and directed to the Student Aid Committee as far in advance of entrance to college as possible. New students should have their high school principal send a transcript of their high school work to date at the time the application for admission and the application for aid are forwarded.

High School Scholarships.—The Council of Minnesota Colleges, representing the private colleges of the state, offers two scholarships to each of the standard high schools of Minnesota, one to the highest ranking boy, the other to the highest ranking girl.

Each scholarship is equivalent to one-half of the tuition of the freshman year and is credited on the second semester, provided the student has maintained a C average during the first semester.

Endowed and Contributed Scholarships.—From sources listed under Scholarship Funds, students of superior rank are granted scholarships to meet demonstrated needs.

Class Scholarships.—The ten highest ranking students of the Freshman, Sophomore and Junior Classes, respectively, are granted prizes of \$50, and the next ten of each class in rank are granted prizes of \$25. These prizes are not in the form of cash but in the form of credit during the next two semesters in college.

Junior College Scholarships.—Graduates of Junior and Teachers' Colleges who enter with junior standing at Macalester are granted Honor Scholarships if they rank in the upper half of their graduating class.

Loans are available to Juniors and Seniors in amounts not to exceed \$150 for one year or \$250 as a total at the time of graduation.

Service Contracts are assigned to students who would otherwise be unable to meet the full expenses of a college education, who show willingness and ability to do work of value to the college, and who show that they can carry the work without serious injury to their scholastic standing or health.

Grants-in-Aid are made in exceptionally needy cases to eligible students who otherwise would be unable to attend college.

Graduate Fellowships.—A limited number of Macalester graduates with outstanding records who are engaged in graduate work at the University of Minnesota are granted Fellowships of \$300 for teaching and research services at Macalester College.

Prizes

Noyes Prize.—Mrs. D. R. Noyes has given \$2,000, the interest of which is used as prizes for student scholarship. These are awarded to the first honor students of the senior, junior and sophomore classes.

Stringer Prize.—In honor of the memory of her husband, Mrs. E. C. Stringer bequeathed \$500, the income from which is awarded each year to that student of the college, who, having not fewer than fourteen recitations a week, wins the first place in the preliminary oratorical contest, and represents the college in the state contest.

Collins Prizes In Extemporaneous Speaking.—A contest in Extemporaneous Speaking is held annually during Commencement Week. For this purpose Dean G. R. Collins of New York University offers each year prizes totaling \$50, divided into three prizes of \$30, \$15 and \$5.

Funk Prizes.—For the encouragement of intensive and original studies in history, Mrs. Lydia C. Funk offers \$100 annually in three prizes of \$60, \$25 and \$15. Contestants must be members of the senior class, majoring in history and having a standing in the department of at least B.

Scholarship Funds

Byram Foundation Scholarships.—This is a scholarship gift from the Byram Foundation, Incorporated, designed to aid needy students of outstanding achievement and promise.

Byram Foundation Fellowships.—These are made available by the Byram Foundation, Incorporated, for teaching and research by a limited number of Macalester College graduates.

Silliman Scholarship.—Offered by Mr. H. B. Silliman, of Cohoes, N. Y., the income of which is assigned by the Presbyterian Board of Christian Education to a student named by the college.

Wallace Scholarship.—A gift of \$10,000 by Dr. James Wallace and family in memory of Mrs. James Wallace, the interest of which is devoted to a general scholarship.

Synodical Scholarship.—This is made up of gifts from churches and individuals thruout the state and amounts to \$2,300, the interest of which is devoted to general scholarships.

Williams Brothers Scholarship.—Louis H. and Charles R. Williams, of Minneapolis, have given \$1,000, the income from which is for the aid of a student selected by the faculty.

Benjamin Ogden Chapman Scholarship.—In memory of Benjamin Ogden Chapman, for many years a trustee of the college, a scholarship of \$50.00 is offered to aid a student in the department of Religion who is selected by the head of this department in consultation with the donor.

McCabe Scholarship.—Bequeathed by Edward Everett McCabe of the class of 1914 and accepted as a general scholarship.

Crawford Scholarship.—A gift of \$1,000 in memory of Ira Leslie Crawford, the income from which is devoted to a general scholarship.

Myers Scholarship.—S. F. W. Myers has given, in memory of his son, Carl Bertram Myers, \$1,000, the income from which is devoted to a general scholarship.

Students who receive the benefits of the above scholarships, which are assigned by the college, are required to repay same if they leave the institution before graduation.

Shaw Scholarship.—Given by Professor Thomas Shaw, of St. Paul, the interest of which is devoted to a scholarship for a nominee of the Central Presbyterian Church of St. Paul.

Webb Scholarship.—Mr. E. A. Webb, deceased, gave \$1,000, the interest of which is to aid a candidate from the Central Presbyterian Church, St. Paul.

Winona Scholarship.—The First Presbyterian Church has given \$1,000, the interest of which is to aid a candidate nominated by this church.

The H. W. Coffin Scholarship.—Established by Mrs. Mary E. Coffin of Duluth, the income of which is to be used by relatives of the H. W. Coffin family, young people from the Glen Avon Presbyterian Church, Duluth, or for students for the ministry or missionary service. Beneficiaries of said scholarship to be given precedence in the order named.

Macalester Scholarship of St. Paul Presbytery.—Amounting now to \$1,139, the interest of which is to aid a student nominated by the Presbytery of St. Paul.

James Mulvey Memorial Scholarship.—Founded by the Misses Jessie and Edna Mulvey in memory of their father; amounts total \$2,500. Interest to aid a student for the ministry or missionary service or other worthy student selected by the donors or by the faculty.

The Merriam Park Presbyterian Church Scholarship.—The sum of \$3,000, given by the Merriam Park Presbyterian Church of St. Paul, the income from which is awarded to a student selected by the church.

Ministerial Scholarships.—Given by Board of Education of the Presbyterian Church to candidates for its ministry, and to men and women candidates for missionary service.

Rhodes Scholarships.—In order to keep this well-known bequest before the minds of present or prospective students it is briefly mentioned. Any male student who is a citizen of the United States, unmarried, not less than nineteen nor more than twenty-four years of age and who has reached the end of his sophomore year of study, may be a candidate for one of the Minnesota scholarships. This insures to the winning contestant a three years' residence in Oxford University, England.

A. A. U. W. Fellowships and Scholarships.—Every year the American Association of University Women through its branches and state federations awards over \$80,000 in fellowships, scholarships and loans to graduate and undergraduate students. Attention is called to the 16 fellowships awarded to graduate women annually for further research and study in this country and abroad. Macal-ester women undergraduates and graduates are eligible to apply for these scholarships and fellowships.

Loan Funds

Jennie Hodgman.—A revolving fund of about \$3,500, raised and administered by the Faculty Women's Club, is used for loans to junior and senior women.

Paul A. Ewert.—Bequeathed in the will of Paul A. Ewert of the class of 1894, the sum of \$5,000, the income from which is to be used in helping worthy students.

Knox Memorial.—An endowment of \$2,500, the income from which shall be given as a loan to some student named by Mrs. Jane Knox of Jackson, Minnesota.

Dames of the Round Table.—This is a fund of \$300, established in memory of Mrs. Jennie E. Straight, to be used for loans without interest, to students. A loan from this fund is to be repaid not later than one year after the student has left college. An extension may be granted at the discretion of the college with the consent of the donors.

New England Women.—The St. Paul Colony of New England Women offers to a young woman of New England ancestry a loan of \$100 without interest. Preference is given to a junior or senior student. Application for this loan should be made through the Dean of Women.

Maria Sanford.—A loan fund maintained under the auspices of the Minnesota Daughters of the American Revolution. Available for any worthy junior or senior in any accredited Minnesota college. Application should be made thru the Dean of Women.

William F. Rodgers Memorial.—A fund of \$5,000, bequeathed by Mr. William F. Rodgers, the income of which is available for student loans.

L. D. Coffman.—A fund the principal of which is to be used as a general loan fund. Interest received from students on this fund is applied to increase the principal.

James Faricy.—A fund the principal of which is to be used as a general loan fund. Interest received from students on this fund is applied to increase the principal.

Alumni Loan Fund.—A loan fund established in 1933, the principal of which is available to students approved by the committee of the Alumni.

Department Foundations

The Weyerhaeuser Foundation.—Founded by Mr. Frederick Weyerhaeuser, and increased by members of his family, totaling \$100,000, to be devoted to the development and maintenance of the Department of Religion.

The Synnott Foundation.—A gift of \$50,000 from Thomas W. Synnott, held in trust by the Board of Christian Education of the Presbyterian Church, U. S. A., for the maintenance of the Department of Religion.

The Martin Foundation.—The gift of John C. Martin in 1908 of \$10,000 to be used in the Department of Religion.

The Moss Foundation.—A gift from Henry L. Moss now totaling \$7,464.77, income from which is to be used for the maintenance of the Library.

The Henry D. Funk Memorial Foundation.—Established by Mrs. Lydia A. Funk, a gift of \$8,000, income from which is to be devoted to the development of the Department of History.

Student Activities

Approval of the Assistant Treasurer is required for the incurring of debts in any student activity.

The Y. M. C. A. holds its regular meeting every Tuesday morning. A committee of the association is present at the college two or three days before the opening of the first semester to assist the new students.

The Y. W. C. A. offers social, educational and religious advantages to the women of the college. It binds all the women together into one common fellowship thru its regular Tuesday morning meetings, mission and Bible study classes as well as social affairs.

Literary Societies.—In the college there are seven literary societies under the general oversight of the faculty. Hyperion society admits to membership both men and women; Athenaeum, and Eulogian societies admit men and Chi Phi Delta, Clonian, Philotian and Thalian societies, women.

The Quill Club.—The American College Quill Club is a writer's organization established in various American Colleges for the purpose of encouraging literary effort and criticism. It is not an honorary body—admission is by original manuscript only, with due consideration given to the character of the applicant for responsibility and sustained effort. Active members are also drawn from the faculty. The local chapter is known as Cen Rune.

The Macalester Players is a group within the Department of Dramatic Art, whose object is to stimulate and develop an appreciation of the best in drama. Several plays are given each year, coached by the head of the department.

Debate and Oratory.—All matters pertaining to debate and oratory are in charge of Pi Kappa Delta.

The college takes part in the State Intercollegiate Contest in Oratory and is a member of the State Intercollegiate Debate League. A preliminary home contest is held for each of these contests, for which suitable prizes are offered.

Pi Kappa Delta.—This is a national honorary fraternity, organized to give recognition to those who distinguish themselves in public speaking, and to promote interest in forensics.

International Relations Club. The International Relations Club is a study group and discussion forum for those students in the college interested in contemporary international questions. The club is affiliated with the Carnegie Endowment for International Peace and is devoted to the encouragement of informed public opinion upon international questions.

College Glee Club.—This is a men's organization, firmly established and with a splendid record of accomplishment in the twenty-five years of its existence. The club is under the direction of a faculty adviser.

Women's Glee Club.—A well-established undergraduate organization of women under the direction of a faculty adviser.

Oratorio Choir.—This is a choir of mixed voices, specializing in the study and performance of the great oratorios and other sacred music. The organization is under the supervision of the Conservatory of Music.

College Band.—This is a concert ensemble, organized and conducted under the supervision of the Conservatory of Music.

The M Club was organized December 9, 1913. It was founded to keep those who have won the letter in touch with one another and to foster athletics. When a Macalester student has earned an M he becomes a member on the payment of one dollar initiation fee.

The Women's Athletic Association is an organization to foster and increase interest in games and sports for the women of the campus. Among the activities which it sponsors are coeducational sports nights and play days, and tournaments in various athletic and recreational games. A division of the W. A. A. is the Aquatic League which sponsors several splash parties, one swimming exhibition and a canoe trip each year.

Sigma Delta Psi.—This is the national athletic fraternity which stands for the comprehensive intelligent development of physical training for college men. The Macalester Chapter was established February 18, 1925.

No literary society or other student organization may be established without the consent of the faculty.

Pi Phi Epsilon Society

The society was organized in 1914 with twenty charter members. The aim of the society is to stimulate scholarship and intellectual interests in the college.

In keeping with the practice in most colleges, membership is restricted to seniors and second semester juniors. Nominations to the society are made upon the basis of high scholastic attainments in the several fields of the curriculum.

At graduation active members become graduate members of the society, and are entitled to all its privileges except voting. Members of the faculty are honorary members of the society.

Religious Life and Exercises

Macalester was founded as a Christian college. The atmosphere of the college has always been warmly religious. The Young Men's and Young Women's Christian Associations are large and active. The city offers much opportunity for religious work. In keeping with the purpose of the founders of the college the faculty makes the following requirements:—(1) Courses in Religious Education; (2) attendance at the chapel exercises. Attendance at Sunday church service is expected of all students. Students connected with churches either by membership or sympathies are expected to attend the church of their preference.

Guidance and Personnel Service

The intimate personal relationship with faculty members, which is at the disposal of students in their instruction and campus life, is recognized by alumni as one of the outstanding benefits of their undergraduate experience at Macalester. In order to make the most of this natural advantage, the college provides extensive modern

facilities for personal evaluation, counsel and adjustment under the supervision of a Director of Guidance. This counseling service is available to all students on a voluntary basis but is in no sense a program of discipline or coercion. The goal is the development of intelligent self-management by the student as early as possible in his college experience.

In counseling high school seniors who expect to enter college, wide use is made of high school records and the results of college aptitude tests administered annually through the Association of Minnesota Colleges. As far as possible students who have made application for admission to the college, or who express a preference for this college, are interviewed by field representatives and other members of the college staff previous to approval for matriculation. Persons are encouraged to become members of the college community who, in the judgment of the personnel staff, will be aided in their life pursuits by the type of program which this college provides.

On the opening day of the school year, administrative officers and representative student leaders meet with all new students for a period of general orientation. Following this session, new students are assigned to members of the faculty who become their counselors. The counselor discusses with the individual student his plans for a college education, assists him in planning a schedule of courses, provides for counsel through the year on personal, social, academic and related problems, reports to the student his grades and interprets results on various tests.

Many and varied adjustment opportunities are made available to the new student. Planned cooperation of the college administration with student organizations enriches the program of new-student orientation. Typical of informal phases of this program is the Y. M. C. A. Freshman Camp which is held on the St. Croix River during the first week-end for fellowship and discussion between new students, student leaders and faculty members.

The entire guidance and personnel service is based upon the most comprehensive and accurate understanding of the student obtainable. Freshmen meet in a group with the Director of Guidance once each week during the first semester for a discussion of "Freshman Problems" common to the first-year student. In this course students prepare autobiographies, life histories, statements on life

philosophy, and fill out check lists of interests and attitudes, all of which are designed to make available developmental patterns of childhood and early youth background. During the second semester of the freshman year, special interest and special problem groups are formed to benefit those who are in need of such assistance. From the beginning an extensive testing program measures each student's school subject achievement, scholastic aptitude, reading ability, personality adjustment, vocational interest, health and social attitudes. Other tests are used when necessary in diagnosis of special problems.

These test-results along with reference reports and other data, such as correspondence, parental reports, grades, extra-curricular activities, public school records, employment, financial aid, interview and conference reports, are filed in a cumulative personnel record for each student. The personnel file is available for counselors, faculty and administrative officers, in counseling the student on problems relating to his welfare and advancement.

The purpose of the entire guidance and counseling service is to provide the cooperative student with sympathetic yet objective help in seeking a mature understanding of himself, the college, and life possibilities, in order that he may better determine and decide for himself the objectives to which his energies shall be dedicated.

Placement Service.

The Committee on Appointments assists seniors and former students in securing positions in the fields of business, education, etc., and in securing grants-in-aid in graduate schools. Obviously only those will be recommended who show by their character, interest, ability and professional preparation that they are qualified for the work for which they are applying.

For the year 1939-1940 the enrollment fees will be as follows:

Business division (director, Professor Young)	\$1.00
Education division (director, Professor Bradley)	
Seniors	2.00
Graduates	3.00

Publications

The following publications are issued from the college:—

The Macalester College Bulletin, a periodical devoted to the interests and advancement of the institution.

The Mac, a biennial publication devoted to college interests published by the students.

The Mac Weekly, a student newspaper established in 1914. It gives expression to student opinion upon matters of college life, and accounts of college events.

The Gateway, a literary magazine published by the members of the college Quill Club.

Health Service

The college provides this service to safeguard the health of students. The department works in close cooperation with the Department of Physical Education. Entrance medical and physical examinations are held jointly and the records are used in both departments for follow-up work and for making up classes in corrective exercises. In cases where it seems advisable, further clinical examinations may be required. These examinations are designed to discover defects or tendencies which may and should be corrected; to protect the individual against work for which he is physically unqualified; and to guard the college community against communicable disease. No student may report for classes before his medical and physical examinations are completed. Appointment cards are given by the Dean at the time of registration. Special stress is laid on everything pertaining to health welfare and a sound physical development.

The college maintains an infirmary. The Health Director, a graduate nurse, is in residence, and her service is available for all students suffering from minor illnesses or injuries. The nurse acts under the direction of a physician in all cases.

An appropriation is made for this service from the tuition charge, which covers entrance medical examinations, nursing care in all minor illnesses, all office consultations, medicine and dressings, and the use of the infirmary for a period of one and one-half days a semester. For a longer period the rate is \$1.00 a day.

All illness of contagious or infectious character, as well as emergency surgical cases, are transferred immediately to one of the hospitals in the city. Cases of prolonged or serious illness also are referred to a hospital under the attending physician's direction. The college is in no wise responsible for such hospital expense to the student.

Expenses

Tuition and fees are due and payable at the beginning of each semester, before completion of registration and before the student is admitted to classes. A student may, however, pay his account in installments, one-third at time of entrance, and the balance in three equal monthly payments. A flat charge of 2% of the sum of all installments is added after the first to cover the costs to the college of this deferred payment service. Applicants for admission to the freshman class should remit \$5.00 with application. This is applied on tuition of the first semester.

*Tuition Semester \$87.50

For returning students whose average during the preceding year was "C" or better, a scholarship of \$25.00 is awarded for the year 1939-1940.

General Fee " 12.50

This charge covers appropriations for library, health service and student activities which include student publications and admission to home athletic contests.

Special Fees—

Biology 101, 102, 121, 122, 204 with laboratory. 301, 302, 304 with laboratory, 305 Semester \$5.00

Biology 201, 202, 204 " 2.00

†Chemistry 101-102, 103-104, 201, 202, 203, 204, 303-304, 305, 309-310, 311-312, 313, 331-332, 403-404 " 8.00

Education 201, 307 " 1.00

Geology " 1.00

Physics 101-102 " 2.50

Physics 201-202, 221, 301-302, 411 " 5.00

Psychology 310 " 2.50

Speech 141-142, 241-242, 251, 252, 343-344, 347-348, 441-442 " 1.00

Change of Course " 1.00

Guarantee Fee (Dormitories) " 2.50

Graduation 5.00

Tuition of a student taking eleven hours or less is reckoned at \$7.00 a semester hour. The general fee of \$12.50 is added when such registration exceeds seven credit hours.

A fee of \$5.00 is charged for each course audited without credit.

Exchange will be charged on all out-of-town checks.

Tuition is not refunded during the last six weeks of any semester except for illness. Two weeks are added to the date of cancellation for refund purposes.

In case of prolonged illness which removes the student from college for a period of a month or more, refunds are made on tuition

*A fee of \$7.00 is charged for each credit hour in excess of eighteen.

†This is a deposit fund. The actual fee charged will be based upon the cost of material.

and room from the end of a two weeks' period following the beginning of illness according to the records of the college nurse. Board is charged to the nearest week-end after the beginning of illness.

There is no refund of the General Fee.

Students who fail to meet accounts when due are denied class room privileges until reinstated upon satisfactory settlement with the Bursar.

If a student leaves the institution at any time after entrance without the approval of the faculty, or because he has been suspended or dismissed, no tuition is refunded.

Students working for the college will have all bills due the college deducted from the amount due them before being paid for work performed.

Credits will be withheld until all obligations are met.

Special Rates

1. Sons and daughters of ministers of any denomination are allowed a rebate of twenty per cent each semester on tuition.

2. All candidates for the ministry, of whatever church or denomination, are allowed a rebate of twenty per cent each semester on tuition upon the following conditions:—

(a) Candidates for the Presbyterian ministry shall be under the care of presbyteries, and shall present to the Department of Religious Education certifications to this fact from the clerks of the presbyteries. Candidates for the ministry of other denominations shall have their purpose to enter the ministry properly certified to by the proper ecclesiastical authorities.

(b) All such students will be held in honor bound to refund to the college treasury the amount of tuition rebated in the event of their abandoning their purpose to enter the ministry.

Rooms and Board

Room rents and board are paid in the manner prescribed for tuition and fees. The college dormitories and commons are closed during Christmas vacation. Fees include room rent and board during the shorter vacations. Special permission may be granted for residence in the dormitories during Christmas vacation through written application to the Assistant Treasurer.

Wallace Hall—

Board, per semester, each person.....	\$90.00
Room rent, per semester, each person.....	45.00
Bed linen furnished and laundered (optional), per semester.....	2.50

Kirk Hall—

Board, per semester, each person.....	90.00
Room rent, per semester, each person.....	45.00
Bed linen furnished and laundered (optional), per semester.....	2.50

Students actually working for board and room off the campus are not required to live in the dormitory.

Students are charged for their rooms by the semester and until they are formally vacated and keys surrendered. Each dormitory tenant is held responsible for the rent for the entire semester, whether he has occupied the room continuously or not.

Each tenant is required to deposit \$2.50 each semester as a guarantee against damage to college property, and to keep this deposit at that amount while in college. From this fund are deducted (1) charges for damage for which he is personally responsible; (2) charges (pro rata) for damage done by unknown hands. The surplus, if any, is refunded to the students at the end of the year.

Rooms

There are two types of rooms in Kirk Hall: a study with two or three adjoining single bedrooms; and one room comprising both study and bedroom. Each student is provided with the following equipment: a study table, two chairs, a three-quarter bed with mattress and pillow, a combination dresser and wardrobe with mirror, curtains for all windows. Students must provide their own blankets, towels, rugs and any additional fixtures they may desire. Such additional furniture must be of a quality comparable with that supplied by the college and is subject to the approval of the house director.

In Wallace Hall each room has single beds, mattresses, pillows, dresser, study table, two rockers, two study chairs and a lavatory with hot and cold water.

The drawing of rooms in the dormitories will take place on the first Tuesday in May for those who live in the dormitories; on the second Tuesday in May for those who do not live in the dormitories. After the third Tuesday application for rooms from new students will be filled. Drawings will be under the direction of the Deans.

Application for room in the dormitories should be made by the first of May to the college office. Reservation fee is \$10.00. This is applied on the student's account at the time of registration. Rooms will not be held later than the opening of the term unless the

room rent is advanced for the period of delay. In case applicants fail to cancel the reservation before the first day of September, fees will not be returned. Rooms will be assigned in the order of application.

Students who do not live at home or with relatives are expected to room in a college dormitory, insofar as accommodations are available, unless they are officially permitted to live elsewhere. Application for such permission should be made to the Dean of Women or Dean of Men.

If all dormitories are filled, students may secure living accommodations from a list of rooms approved by the college authorities. Such students are expected to conform to the general social regulations in force in the college dormitories. Change in residence shall be made only when officially approved.

Self-Support

Students desiring to do something toward defraying their own expenses can usually find a way of doing so. Many find work on Saturdays, in stores and other places of business, and have thus paid a large part of the expense of their board. Others have earned their board by working mornings and evenings. It is seldom that any worthy, capable student with energy and tact fails to find some means by which he may work his way thru college, provided the summer vacation is improved to increase his income.

There are opportunities for work in stores and offices, caring for furnaces, waiting in clubs and carrying newspapers, and in many other ways dependent upon the student's fitness. Valuable suggestions as to employment and the financial side of college life are gladly furnished to prospective students on application and every effort to assist the newcomer is cheerfully made. Address all communications to Student Employment Service, Macalester College, St. Paul.

For women students, there are many opportunities each year to assist in homes near the campus. The uniform rate of four hours' service a day in exchange for room and board has been established, and about thirty girls avail themselves of this opportunity every year. Further information may be secured from the Dean of Women.

The college has also a Committee on Student Aid, for assisting worthy and needy students in securing financial help. This aid is granted on a student-service contract in which the applicant agrees to perform certain service for the aid given. Application for this assistance should be made to the business office.

Entrance Requirements

General Statement

Macalester College is a member of the Association of American Colleges, the North Central Association of Colleges and Secondary Schools and is on the approved list of the Association of American Universities and the American Association of University Women. Entrance requirements are in harmony with the standards of the North Central Association of Colleges and Secondary Schools.

The satisfactory completion of fifteen units of properly coordinated work is required for admission to the freshman class of the college. The following units are required: four in English (or three in English and two in a foreign language), one in Algebra and one in Geometry. Not more than four of the fifteen units may be in vocational subjects (including Agriculture, Commercial Work, Domestic Science and Manual Arts). Exception to this last requirement may in rare cases be made on the ground of otherwise superior fitness for college work and only upon approval by the faculty. It is strongly recommended that the student submit two or more units of consecutive work in some foreign language and two units of natural science. By a unit is meant five recitation periods a week in a subject, carried thruout a year of thirty-six weeks. The recitation periods must be not less than forty minutes in length.

Candidates for admission from the upper third of their high school class are admitted without reference to specific subject requirements, provided they present eleven non-vocational units including one unit of algebra or of unified mathematics.

Only a limited quota of students ranking in the lower third of their high school class or presenting low aptitude ratings is admitted. They are selected individually on the basis of results of a personal interview and the satisfactory completion of certain aptitude and achievement tests which are given at the college on the last Saturday of May, June, July, and August.

The college requires certain English and college aptitude tests of all freshmen.

Admission by Certificate

From Accredited High Schools and Academies.—Graduates of accredited high schools and academies requiring a four-year course are admitted without condition to the freshman class, subject to the requirement of the preceding paragraphs. Accredited schools are those on the list of the North Central Association of Colleges and Secondary Schools, the list of Minnesota high schools prepared by the State Superintendent and similar lists of the high schools of other states.

From Accredited Three-Year Senior High Schools.—Graduates of senior high schools, covering the tenth, eleventh and twelfth grades, are admitted without condition, provided they have in this time completed eleven or twelve units in the senior high school and provided that the subjects taken in the senior high school, together with the work done in the junior high school, satisfy the subject requirements stated above.

Admission by Examination

Students not presenting certificates as provided for above must present a course of study equal to a four-year high school course. Such students will be examined in the course presented by them and will be admitted to freshman standing on passing the examination satisfactorily. These examinations will be given on the Monday and Tuesday preceding the opening of the college in September.

Admission with Advanced Standing

From Other Colleges.—Students transferring to Macalester College from accredited institutions of collegiate grade must present letters of honorable dismissal and an official transcript of previous collegiate and preparatory record.

Students with failures in another college cannot be transferred to Macalester until such failures have been cleared.

From Normal Schools.—Credits from Normal Schools are to be reckoned according to the nature and quality of the work presented as judged by the Registrar.

Requirements for Graduation

The College of Liberal Arts offers courses leading to the degree of Bachelor of Arts.

The Requirements for Graduation are:—

- A. One hundred and twenty-six academic credits, the term *credit* meaning one hour a week for one semester in class room or two hours a week in laboratory. Of these required credits at least thirty-two must be from courses numbered three hundred or above and not more than forty-four may be in any one department. These credits must be secured with reference to the group from which the student has chosen his major.
- B. 126 honor points, granted as follows: for each credit toward graduation earned by the student with a mark of A, three honor points are given; for each credit with a mark of B, two honor points; for each credit with a mark of C, one honor point. A mark of F carries minus one honor point.
- C. 4 points in Physical Education, the term *point* meaning the satisfactory completion of a semester course in Physical Education. These shall be in courses 101-102 and 201-202.

A candidate for the bachelor's degree must have been in residence at Macalester College either during all of his first three years or during all of his senior year and must have completed at least thirty semester hours of work at Macalester College.

Distribution and Concentration of Requirements

- A. FOR CULTURAL DISTRIBUTION or as background or tools for subsequent study.
 1. English 101-102, six credits.
 2. Foreign language 202, 204 or 206, completed by the end of the junior year; German 206 or French 206 is advised for students whose major is in Group III.

Students with four units of high school credit in a foreign language may present these credits to fulfill the minimum language requirement upon passing a satisfactory examination on course 202 of that language or its equivalent.
 3. Religion, eight credits, six of which must be from Section A of the department.
 4. Philosophy 205, 220, 311 or 312, three credits.
 5. Economics, History, Political Science, or Sociology, 6 credits, completed by the end of the junior year.
 6. Psychology 201, three credits.
 7. Natural Sciences and Mathematics (Group III), fourteen credits, completed by the end of the junior year. Of these, eight must be in laboratory science taken in college; unit courses in high school physical science, each unit to count as three credits, or Psychology 310, may be applied on the remainder.
 8. A "second" (or "distribution") minor subject from a group other than that of the major subject; twelve credits in approved courses with a grade of C or better.
 9. Physical Education 103R, one credit.

- B. FOR CONCENTRATION in a major field of interest.
1. A major subject, chosen by the beginning of the junior year: a minimum of 20 credits in approved courses, with a grade of C or better.
 2. A "first" minor subject preferably in the group of the major subject: 12 credits in approved courses, with a grade of C or better.
 3. Supporting courses outside the major department but within the group of the major subject, as follows respectively:

Group I: 14 credits in courses of Group I numbered 200 or above and outside the major department. Latin 101-102 or Greek 101-102 is also required unless the student presents two units of either subject from high school.

Group II: 18 credits in Group II or IV other than required courses in Religion.

Group III: 18 credits in Group III, including Mathematics 101, 102 or 103, 104.

Group IV: Requirements the same as for Group II.

Group Classification of Departments

GROUP I.

- | | | |
|------------|-----------|------------|
| 1. English | 3. German | 5. Latin |
| 2. French | 4. Greek | 6. Spanish |

GROUP II.

- | | | |
|---------------------------------------|---------------|--------------|
| 1. Economics and
Political Science | 3. History | 6. Religion |
| 2. Education | 4. Philosophy | 7. Sociology |
| | 5. Psychology | |

GROUP III.

- | | | |
|--------------|----------------|-----------------------------------|
| 1. Biology | 3. Geology | 6. Physical Education |
| 2. Chemistry | 4. Mathematics | 7. General Science
(Education) |
| | 5. Physics | |

GROUP IV.

- | | | |
|-------------------|----------|-----------|
| 1. History of Art | 2. Music | 3. Speech |
|-------------------|----------|-----------|

Restrictions on Choice

A course used as a major or minor subject in one department shall not count toward a major or minor in another department.

The following courses are not counted toward a major or minor: English 101-102, French 101-102, 103, German 101-102, Greek 101-102, Latin 101-102, Mathematics 101, 103, Physics 101-102, Religion 101 and 105, Spanish 101-102, Speech 141-142. See, also Biology 101-102, 121-122, 204 and Chemistry 101-102, 103-104 in department descriptions.

Five Students Required for a Class.—The college does not hold itself bound for instruction in any elective course for which fewer than five students make request to the Registrar. Such classes may, however, be organized at the option of the instructor.

Honor Courses.—The faculty has established honor courses in special fields of concentration, open to students of exceptional ability who, in the freshman and sophomore years, have made adequate preparation.

Courses for the Freshman Year

In the Freshman year the student is required to select one of the following courses according to the group in which his major will probably be.

GROUP I.

Religion, 2 hours	One laboratory science course
English 101-102, 3 hours	Elective
Foreign Language (to complete requirements), 3 or 4 hours	Personal Hygiene Physical Education

GROUPS II. AND IV.

Religion, 2 hours	One laboratory science course
English 101-102, 3 hours	One subject from Group II or IV
Foreign Language (to complete requirements), 3 or 4 hours	Personal Hygiene Physical Education

GROUP III.

Religion, 2 hours	Mathematics, 4 hours
English 101-102, 3 hours	One laboratory science course
Foreign Language (to complete requirements), 3 or 4 hours	Personal Hygiene Physical Education

The elective courses for the freshman year are:—

Biology 101-102, 121-122, 204	Mathematics 101, 102, 103, 104
Chemistry 101-102, 103-104	Music
English and Religion 111-112	Physics 101-102, 201-202
Foreign Language	Speech 141-142
Geology 101-102, 104	
History 101-102	

Classification of Students

Classification without Conditions.—For freshman classification, as stated before, fifteen units of acceptable high school work or their equivalent; for sophomore, thirty-two college credits and thirty-two honor points; for junior, sixty-four credits including three credits in Religion Section A, and sixty-four honor points; for senior, ninety-six credits and ninety-six honor points.

Classification with Conditions.—A student is classified as sophomore on gaining twenty-four credits and twenty-four honor points; as junior on obtaining sixty credits including three credits in Religion Section A, and sixty honor points; as senior on obtaining ninety credits and ninety honor points.

Change of Course.—Registration at the beginning of the semester fixes the course of study for the student. Within ten days change is permitted with the written consent of the instructors concerned and the student's adviser. Dropping a subject comes under this rule.

Unfinished Courses.—Students who drop a year course at the end of one semester lose all credit in that course unless some distinct phase of the subject is completed; in which case, the instructor may grant the credit.

Preparation for Vocations

The system of majors and minors and the elective system in use here permit the student to frame his college course with some reference to his future vocation. In general the student will find the following courses helpful to him in his future vocational study.

For the Study of Medicine.—The following course is strongly advised for students who are preparing for the study of medicine. Those taking such a course are given a bachelor's degree upon the satisfactory completion of the first year's work in a recognized medical school.

Freshman Year	Sophomore Year	Junior Year
Inorganic Chemistry	Biology (General Zoology and Vertebrate Anatomy)	Organic Chemistry
English	Chemistry-Analysis	Physical Chemistry
German	German 201-206	Histology and Human Physiology
Mathematics	History or Social Science	German 207
Religion	Physics	Psychology and Philosophy
	Religion	Elective

Medical Technology.—This profession is recommended to women only. The same sequence of courses as for the study of

medicine is advised except that French may be substituted for German.

Students taking this course will spend three years in residence at Macalester College taking ninety-six credit hours of work in the arts and sciences.

Through affiliation with the Charles T. Miller Hospital, Inc. of St. Paul a limited number of qualified students will be given an opportunity to take their senior year, in professional training, at the hospital under competent professional instruction. The senior year will consist of twelve calendar months.

In addition to the general graduation requirements of the College students must also meet the requirements for registration with the American Society of Clinical Pathologists. This will entitle the candidate to the degrees of B. A. and M. T. (Medical Technologist).

For the Study of Law.—The value of a full college course in preparation for the study of law cannot be disputed. Macalester offers a number of courses that are valuable to law students, and a college course arranged with this group of subjects as a nucleus is suggested below.

Freshman Year

English
Foreign Language or Speech
Religion (4 credits, first semester)
Science

Junior Year

Economics
History
Political Science
Religion
Sociology
Speech

Sophomore Year

Accounting
English History
Ethics and Logic
General Psychology
Introductory Sociology
Principles of Economics
American Government

Senior Year

Economics
Political Science
Religion
Sociology
Speech

Social Work.—To meet the imperative needs of our present society and in full sympathy with the practical application of Christian principles to modern conditions, the pre-professional course leading to social work has been prepared. The under graduate sequence leads to a major in Sociology with supporting minors in Psychology or Economics or Political Science. This sequence has been designed to meet the requirements for basic preparation as outlined by the American Association of Schools of Social Work.

The student with a professional career in view will find this sequence a solid foundation for his later special training. The following course is advised for students preparing for graduate training in Social Work.

Freshman Year

English
Foreign Language
Religion
Biology
History

Junior Year

Introduction to Statistics
Criminology
Social Pathology
Human Physiology
Social Psychology

Electives:

Political Science
Psychology
Education
Elementary Group Work
English
Rural Sociology

Sophomore Year

Religion
Ethics
Introductory Sociology
Economics
Psychology
Genetics and Eugenics
American Government

Senior Year

The Family
Economics
Field of Social Work

Electives:

Economics
Political Science
History
English
Story Telling
Play Production

For the Christian Ministry and Missionary Teaching.—

The department of religion and the electives in Greek Testament, philosophy, ethics and history offer a course well adapted to those who have the gospel ministry in view. Those who are preparing to be missionary teachers will find in the wide range of Bible study pursued in the college an indispensable and very attractive adjunct to their course.

For Teaching.—The college offers opportunity to the student in preparation for the field of teaching. Its Liberal Arts courses give the necessary foundation for a liberal education as well as subject-matter for use in the class room. Its technical courses give the professional aspect to the student's preparation for the vocation of teaching. The latter are concerned with the principles, methods and history of education.

Student Advisers

For registration, advice and supervision all students will be assigned to faculty advisers, making it possible for each student to receive special attention in regard to his course. The adviser directs the student in the arrangement of a course of study in harmony with his tastes or prospective vocation. When students have definitely fixed upon a vocation in life they will be assigned to that member of the faculty whose department is most akin to the work they have in view. Students who have fixed upon their major study will be assigned to the department to which that major study belongs.

Courses of Study

Odd numbers refer to first semester courses. Even numbers to second semester courses. An R attached to an odd number indicates that the course is repeated the second semester.

A comma between figures of a year course indicates that either semester may be taken with credit.

Courses 101 to 199 are open to freshmen. Courses 201 to 299 are open, with restrictions, to sophomores or to those whose preparation is adequate. Courses above 300 are primarily upper class subjects with prerequisites mentioned in each department.

Biology

PROFESSORS WALTER AND MESERVE

The courses have been so arranged that it is possible to choose work either of a general or a special nature. Students wishing a well-rounded education will be able to select work which will meet their needs and in which the cultural aspect is emphasized. Choices should be made from the following: Biology 101-102, 121-122, 202, 204, 303, 304.

Those preparing to teach Biology in high schools will be able to choose suitable work and will be given opportunity for practice in laboratory instruction, grading of papers and note books, and the planning of high school courses. The following courses are required for a major: Biology 101-102, 301, 302, 303 and 410. For work suited to the needs of the pre-medical and pre-technology students the following are recommended: Biology 101-102, 201 or 305, 204, 301, 302, 304.

The Department recommends the following supporting courses for its major students: a minor in Chemistry or Physics; a second minor in German or French; one semester of Historical Geology; Psychology, Economics, Sociology, Philosophy; Speech 141-142.

A. Zoology

101-102. General Zoology.— MR. WALTER AND MR. MESERVE

This course takes up the fundamental principles of animal biology. Representatives of the phyla of the invertebrates and vertebrates are studied with reference to structure, functions and relation to environment.

One year, two two-hour laboratory periods and two lectures a week, eight credits. This course counts four credits toward a major or minor if the student's grade is B and five credits if course 121-122 is taken also.

201. Parasitology.—

MR. MESERVE

The morphology and life history of animal parasites and their relation to the causation and transmission of disease. This course is offered primarily for medical technology students, pre-medics, and majors in the department.

Pre-requisite, Course 102. First semester, two lectures and one two-hour laboratory period a week, three or four credits. Not offered, 1939-1940.

202. Nature Study.—

MR. MESERVE

An extensive study of the fauna and flora of this locality. Methods of collecting, preserving, and identifying material.

Pre-requisite, Course 102 or 122, or permission of the instructor. Second semester, two lectures and one two-hour field trip or laboratory period a week, three or four credits. Not offered 1939-1940.

204. Human Physiology.—

MR. WALTER

Lectures, recitations, collateral readings, demonstrations and laboratory work on the structure and functions of the human body. Extensive use is made of anatomical charts and models. Special attention is given to personal hygiene.

Second semester, three lectures and one optional two-hour laboratory period a week, three or four credits.

301. Comparative Anatomy.—

MR. WALTER

This course consists of an intensive laboratory study of the systems of vertebrate types including the Dogfish, Necturus, and the Cat. The lectures correlate the morphological studies made in the laboratory, point out the comparisons and indicate the probable lines of development of structures suggestive of phylogenetic relationships.

Pre-requisite, Course 102. First semester, two lectures and two two-hour laboratory periods a week, four credits.

302. Vertebrate Embryology.—

MR. MESERVE

A study of the development of the chick and the pig embryos. From incubated chicks, whole mounts and serial sections a study is made of the origin, structure and development of the germ layers, tissues and systems of the body. Permanent slides of whole mounts and serial sections are also prepared.

Prerequisite, courses 102, 301. Second semester, two lectures and two two-hour laboratory periods a week, four credits.

303. Genetics and Eugenics.—

MR. MESERVE

The laws of heredity, as illustrated by animals and plants as well as the application of these laws to the betterment of the human race, will be studied. The latest edition of "Principles

of Heredity" by Snyder will be used, supplemented by collateral readings in Newman, Guyer, Conklin, Sinnot and Dunn, and Thompson.

Prerequisite, course 102 or 121-122, or approval of the instructor. First semester, three hours a week, three credits.

304. General Bacteriology.—

MR. WALTER

This is a course of lectures, recitations and laboratory work suited to the needs of the general or special student who desires knowledge of the general field of bacteriology, including the cause, control and prevention of important diseases, and training in modern laboratory technic. The laboratory work is optional. Students desiring to take the laboratory work must have completed Chemistry 102.

Pre-requisite, course 102 or 122, or fifty-four credits. Two recitations and two two-hour laboratory periods a week, two or four credits.

305. Vertebrate Histology.—

MR. WALTER

A study of the microscopic structure of the cells, tissues and organs of the mammalian body. Each student is loaned a box of 80 prepared slides of representative tissues and organs. These are made the basis for study and laboratory drawings.

Prerequisite, course 102. First semester, two lectures and two two-hour laboratory periods a week, four credits.

409, 410. Individual Course and Seminar.—

MR. WALTER AND MR. MESERVE

Advanced students may, with the approval of the head of the department, take up lines of work not covered in the regular courses. The particular type of study will depend upon the student's preparation and interest, but may include assigned readings, training in laboratory technic, preparation of permanent microscopic slides, injection of laboratory specimens, making of charts, culturing of protozoa or advanced study of a special problem.

First or second semester, or one year, two or four credits. Two credits are required of majors in the department.

Teachers Course.—

See Education 461.

Botany

121-122. General Botany.—

MR. MESERVE

A study of the principles of plant life. The first semester deals with the structure, activities, modifications and economic importance of the higher plants. During the second semester the work will involve a study of the great groups of plants with

emphasis upon reproduction and evolution, some time being given to the identification and classification of higher plants in the field.

Course 122 may be taken before 121, but no credit will be given until both courses are completed.

One year, two lectures or recitations and two laboratory periods a week, eight credits. This course counts four credits toward a major or minor if the student's grade is B or better, and five credits if course 101-102 is taken also.

221. Systematic Botany.—

MR. MESERVE

Identification and classification of plants. Devoted chiefly to the native plants of the region, including trees and shrubs.

Prerequisite, course 121-122. First semester, two laboratory periods a week, two credits.

Chemistry

PROFESSORS JONES AND SHIFLETT

For a major in chemistry students are advised to take courses 101-102, 201, 202, 307-308, 309, 310. A thesis is required. Other courses advised are: two years of German or French; Physics, course 201-202; Mathematics, course 201-202; Biology, course 101-102 or 121-122; Philosophy, course 209. Students wishing a minor in chemistry are advised to take courses 101-102, 201, 307-308, 309, 310. Students preparing to teach chemistry should take a major or minor in that subject, also Education 461, and comply with the State requirements as given under the Department of Education. Pre-medical and pre-dental students may arrange to take courses 101-102, eight credits; 203, two credits; 204, three credits; 307-308, four credits; and 309, two credits.

101-102. General Inorganic Chemistry.—

MR. JONES

The course includes a thoro study of the principal elements and their compounds, their occurrence in nature and preparation in the laboratory; also an introduction to the study of qualitative analysis, including systematic identification of the cations and lectures on the theory of solutions.

Prerequisite, one unit high school chemistry. One year, two lectures, two recitations and six hours in laboratory a week, eight credits.

Four credits may be applied toward a major or minor if a grade of B is attained.

- 103-104. General Inorganic Chemistry.—** MR. SHIFLETT
For students not presenting high school chemistry credits. This is the same as course 101-102, but begins with more elementary chemistry.
One year, two lectures, two recitations and six hours in laboratory a week, eight credits.
Four credits may be applied toward a major or minor if a grade of B is attained.
- 201. Qualitative Analysis.—** MR. SHIFLETT
Laboratory work on the identification of cations and anions. A course of lectures on the theory of qualitative analysis, including principles of equilibrium, ionization constant, solubility product, complex ions, etc.
Prerequisite, Chemistry 102 or 104 and one year of college mathematics (Mathematics 102 or 104). First semester, two lectures, one recitation and six hours laboratory a week, four credits.
- 202. Quantitative Analysis.—** MR. SHIFLETT
Lecture and laboratory work. Introduction to the methods of volumetric and gravimetric analysis.
Prerequisite, course 201. Second semester, two lectures, one recitation and nine hours laboratory a week, five credits.
- 203. Qualitative Analysis.—** MR. SHIFLETT
For pre-medical and pre-dental students. Laboratory work on identification of cations and anions. Class room work includes elementary theory involved in the analytical separation of the common metals and acids.
Prerequisite, course 102 or 104 and one year of college mathematics. First semester, one lecture, one recitation and two to four hours laboratory a week, two or three credits.
- 204. Quantitative Analysis.—** MR. SHIFLETT
For pre-medical and pre-dental students. A short course in volumetric and gravimetric analysis.
Prerequisite, course 201 or 203. Second semester, one lecture, one recitation and four to six hours laboratory a week, three or four credits.
- 303-304. Advanced Inorganic Chemistry.—** MR. SHIFLETT
This is a continuation of course 101-102, with an introduction to physical chemistry.
Prerequisite, course 201. One year, two lectures, two recitations and six hours in laboratory a week, six credits.
- 305R. Advanced Quantitative Analysis.—** MR. SHIFLETT
This laboratory course is a continuation of course 202.
Prerequisite, course 202. One semester, four to eight hours laboratory work a week, two to four credits.
- 307-308. Organic Chemistry.—** MR. JONES
A course of lectures on organic chemistry, including a study of the aliphatic and aromatic compounds. The chemistry of

foods, oils and explosives is considered. Some of the important compounds are prepared before the class. A laboratory fee of one dollar is charged, except when course 309, 310 is also taken.

Prerequisite, course 201. One year, two lectures and one recitation a week, four credits.

309, 310. Laboratory Course in Organic Chemistry.—

MR. JONES

To be taken with or upon completion of course 307-308. Organic compounds are prepared and studied. Quantitative results are expected. This course should be taken with course 307-308 when possible.

One year, six hours a week, four credits.

311, 312. Advanced Organic Chemistry and Qualitative Organic Analysis.—

MR. JONES

This course is a continuation of courses 307-308 and 309, 310. The detection of common food adulterants will receive attention.

Prerequisite, course 310. One year, six hours a week, six credits.

313R. Special Analysis.—

MR. SHIFLETT

Individual course in quantitative analysis, the exact work to be covered depending upon the qualifications and needs of the student. Food analysis and water analysis are among the subjects available.

Prerequisite, course 202. One semester, six hours a week, three credits.

331-332. Physical Chemistry.—

MR. SHIFLETT

Lectures and laboratory work. A general study of: atomic and molecular weight determinations; properties of gases, liquids and solids; solutions; homogeneous and heterogeneous equilibrium; thermochemistry; electrochemistry; colloids.

Prerequisite, Chemistry 202, Physics 202 and Mathematics 202. One year, three lectures and six hours laboratory a week, ten credits.

Note: To satisfy the entrance requirements at the University of Minnesota Medical School a shorter course of one year, two lectures, three laboratory hours a week, six credits is offered for pre-medical students.

403-404. Individual Course.— MR. JONES AND MR. SHIFLETT

A special study is made of the latest developments in chemical theories, etc. An exhaustive thesis, on an approved subject, is required. Once a month the seminar will be open to all students interested, when reports will be made on current chemical topics and theses.

Open to seniors only, except by permission. One year, one hour a week, two credits.

Teachers' Course.—See Education 461.

Economics and Political Science

PROFESSORS YOUNG AND BOGGS, MR. MAIRS AND MR. NORELL

The student intending to obtain a major or minor in this department should elect one of the following fields:

1. Economics
2. Political Science
3. Economics and Political Science

When one of the first two fields is the major, one minor may be in the other field. When the major or minor is in the combined fields, both minors, or the major and the other minor must be secured in other departments.

Economics. The requirements for a major in Economics are 20 credits in Section A courses including 231-232, 339, and 376. A minor consists of 12 credits and includes 231-232, and either 339 or 376.

Political Science. Twenty credits in Section B courses are required for a major in Political Science and twelve credits for a minor.

Economics and Political Science. Twenty-six credits in courses in this department are required for a major including 231-232, 209-210, 339 or 376, and 301 or 351-352. A minor consists of 15 credits and includes 209-210, 231-232 and one 300 course.

A. Economics

201R. Survey of Economics.— MR. YOUNG

This course covers in a briefer and more elementary form the material contained in Course 231-232. It carries no credit toward a major or minor.

Prerequisite, twenty-four credits or consent of instructor. Either semester, three hours a week, three credits.

231-232. Principles of Economics.— MR. YOUNG

A study of social efficiency in the production, exchange, distribution and consumption of economic goods and services. Emphasis on the development of ability to use economic principles intelligently in analyzing economic problems.

Prerequisite, twenty-four credits. One year, three hours a week, six credits.

240R. Introduction to Statistics.— MR. NORELL

The elementary principles of statistics with emphasis on their use for interpretative purposes in the fields of economics and

business, education, psychology and sociology; includes the gathering of group data, methods of tabulation and the nature of frequency distributions, graphic representations, averages, dispersion, correlation, probable error, and index numbers. Students of education are urged to register for the first semester course, and students of economics for the second semester class, as there will be some adaptation of illustrative and problem material.

Either semester, two hours a week, two credits.

271, 272. Accounting Methods in Economic Analysis.—

MR. YOUNG

Theory and practice of modern accounting; special emphasis on valuation and interpretation. For those who wish to understand business phenomena, or to utilize and interpret the value data of economic science.

Prerequisite, twenty-four credits. One year, three hours a week, six credits.

339. Labor Economics.—

MR. YOUNG

A survey of labor problems; trade unionism growth and trends; labor legislation; personnel administration.

Prerequisite, course 232 or consent of instructor. First semester, three hours a week, three credits. Alternates with course 401. Not offered 1939-1940.

342. Public Finance.—

MR. BOGGS

Theory and practice in the revenues and expenditures of governments, with emphasis upon the nature and effects of taxation as a means of raising revenue and as a means of social control; problems of readjustment in systems of taxation, budgeting and government debts.

Prerequisite, Political Science 210 and Economics 232, or consent of instructor. Second semester, three hours a week, three credits.

372. The Distributive System.—

MR. YOUNG

A study in the distribution of goods and services from the producer to the consumer, including the institutions, practices and policies involved. An analysis of the effectiveness of the marketing system in serving the interests of consumers.

Prerequisite, course 232. Second semester, three hours a week, three credits. Alternates with course 376. Not offered 1939-1940.

373. Corporation Finance.—

MR. MAIRS

The corporation and its financial structure; promotions; working capital; profit distributing policy; business expansion; industrial combinations; reorganization methods and other problems encountered in financing a business enterprise.

Prerequisite, course 232. First semester, three hours a week, three credits.

- 374. Principles of Investment.**— MR. MAIRS
Investment principles and practices; securities analyzed by types and industries; examination of investment literature and services; emphasis on the investment problems of the average man.
Prerequisite, course 373, or consent of instructor. Second semester, three hours a week, three credits.
- 376. Monetary and Banking Policies.**— MR. YOUNG
Monetary and banking systems, problems, institutions, policies; banking operations, organization, and management; functions of trust companies, savings banks, Federal Reserve System, government credit organizations, Bank of International Settlements; currency problems; foreign exchange.
Prerequisite, course 232. Second semester, three hours a week, three credits. Alternates with course 372.
- 401. Advanced Economic Theory.**— MR. YOUNG
The development of economic theory in the principal nations of Europe and America especially in relation to philosophy and conditions of environment; contemporary theorists and schools of thought.
Prerequisite, senior standing and consent of instructor. First semester, three credits. Alternates with course 339.
- 406. Economics Seminar.**— MR. YOUNG
Conferences and reports on individual research in the field of Economics.
Open to seniors of high rank with consent of instructor. Second semester, three credits.

Courses of special interest to students of Economics are: Business English, English 307, Mathematics of Investment, Mathematics 306, and Social Studies, Education 462.

A and B. Economics and Political Science

- 491-492. The Community as a Laboratory.**— STAFF
Identical with Sociology 491-492.
Conferences, reports, readings, lectures and field investigations in the Twin Cities metropolitan region. Economic, political and social phenomena are studied empirically by direct contact and observation. Methods of social investigation; community setting, history and ecology. Attention to selected problems: e. g., institutions and technic for the social control of crime; public safety, housing, the handicapped, recreational agencies;

family, child and aged welfare; racial areas and populations; social planning, coordination and publicity; the wholesale district, the railroad industry, flour mills, trade unions, WPA projects, manufacturing, grain exchanges, water transportation, financial and mercantile establishments; observation of state and local government in the area; elections and political parties, legislation and administration; the commission and mayor-council governments; civil service, functioning of the legal system; propaganda analysis.

Open to seniors of high standing, with special prerequisites. One year, three hours a week, six credits (two credits each to Economics, Political Science, and Sociology). Offered 1940-1941.

Teacher's Course.—See Education 462.

B. Political Science

203R. Survey of American Government.— MR. BOGGS

This course covers in a briefer and more elementary form the material contained in course 209-210. It carries no credit toward a major or minor.

Prerequisite, twenty-four credits or consent of instructor. Either semester, three hours a week, three credits.

209-210. American Government.— MR. BOGGS

Introduction to the role of government in American life. Governments in the United States are studied with reference to constitutional traditions and their adaptation; the formulation and execution of public policy through legislatures, executives and courts, and through political parties, elections and propaganda; the functions, trends and problems of government.

Prerequisite, twenty-four credits. One year, three hours a week, six credits.

284. Public Administration.— MR. BOGGS

The nature of the administrative process in modern government; problems of organization and reorganization; democracy, the expert and the civil service; planning; administrative justice.

Prerequisite, course 210. Second semester, three hours a week, three credits. Alternates with course 342. Not offered 1939-1940.

301. Comparative Government.— MR. BOGGS

Comparative and functional study of the major European political systems, with attention to political tactics, the modification of formal organization by governmental custom, and the bases of political power.

Prerequisite, course 210. First semester, three hours a week, three credits.

351-352. International Politics.—

MR. BOGGS

Analysis of international relations in terms of international institutions and procedures, and national policies and forces, with emphasis upon political and economic nationalism, military and strategic motives, the causes of war and the conditions of peace. Designed to provide the student with tools for understanding the permanent and fundamental principles of international phenomena.

Prerequisite, thirty credits and consent of instructor. One year, three hours a week, six credits.

357. Introduction to Political Philosophy.—

MR. BOGGS

Study of the main problems of political values and their implementation, followed by survey of some important periods, and a more intensive consideration of selected classics in the field.

Prerequisite, two courses in Political Science or consent of instructor. First semester, three hours a week, three credits. Alternates with course 301. Not offered 1939-1940.

452. Seminar in Government.—

MR. BOGGS

Conferences and reports based on individual work in selected fields.

Prerequisite, major or minor in this or closely related field; senior standing and high ranking. Second semester, two hours a week, two credits.

Education

PROFESSORS BRADLEY AND REPLOGLÉ

Students who expect, at graduation, to secure certificates to teach in the public schools of any state should consult early in their junior year with the head of the Department of Education regarding the requirements in educational and academic subjects of the particular state in which they are interested.

In Minnesota, the requirements for the High School Standard General Certificate are as follows:

I. A major in an academic subject which is taught in high school.					
II. Educational Psychology.....	3	semester	hours		
Principles of Teaching.....	3	"	"		
A combination of					
a. Practice Teaching.....	}	6	"	"	"
b. Observation.....					
c. Special Methods.....					
Elective course in education.....	3	"	"		
TOTAL.....	15	"	"		

In addition, in Minnesota, an instructor is approved for teaching a subject only when his preparation in that subject or field is considered "adequate". Usually a minor or its practical equivalent

is required. The North Central Association, to which many of the better high schools belong, requires of those teaching academic subjects in the high schools of its membership, training equivalent to fifteen semester hours in the subject or field to be taught. In the foreign languages and in mathematics a limited amount of credit is allowed for work taken in high school.

Teachers certificates are not granted automatically upon completion of requirements for them. Application for certificates should be made by the individual directly to the State Department of Education of the state in which certification is desired.

Residence requirement for a certificate is thirty semester hours credit, nine of which must be in Education.

Psychology 201 is a prerequisite for all courses in education. No regular student should enroll for more than two courses in education during one semester, not including, however, Education 411, which may be taken jointly with two other courses.

Major in General Science

A major restricted to those preparing to teach laboratory sciences may be elected in lieu of one of the majors provided in the science departments. This major does not so well prepare one to enter a graduate school, nor industrial work. It is believed, however, that it will prepare the student more adequately to enter the field of science teaching in high school than the more specialized academic major. The number of hours required in the general science major is approximately the same as is required for an academic major and a supporting minor, if both are taken in science fields. By proper election of courses the first or supporting minor may be made a part of the general science major. If this is done, at least 36 of the 44 credits in the major-minor combination must carry a grade of C or better. If two minors entirely outside of the general science major are completed, at least 24 of the 44 credits in the major must carry a grade of C or better.

The requirements for the general science major are as follows:
Prerequisite, Mathematics, eight credits.

The Major.—

- | | |
|---|------------|
| 1. Physics, Chemistry and Biology, each eight credits | 24 credits |
| 2. Additional, in one of the above sciences, eight credits | 8 credits |
| 3. Additional, twelve credits in Group III, which may include Geology, but excluding the science in which the sixteen credits are taken. This may include not to exceed four credits in mathematics | 12 credits |

Total	44 credits
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Students electing this major should take the four foundation courses in mathematics and science before their junior year so that they may have ample opportunity during their junior and senior years to secure the required number of upper class credits.

201R. Educational Psychology.—

An introduction to the nature of the secondary school pupil. An elementary treatment of statistics and their use in interpreting psychological and educational data. Psychological and educational tests; their nature, purposes and how to use them. The influence of nature and nurture. The characteristics of various types of learning, transfer of training and the psychology of school subjects. Human motivation. Text, collateral readings, a work-book and some experimentation.

Open to sophomores in the second semester. Prerequisite, Psychology 201. Either semester, three hours a week, three credits.

301R. Principles of Teaching.—

A continuation of much that has been touched upon in course 201, but with emphasis placed upon school subject matter and the teaching situation. The selection of instructional material, lesson planning, assignment making. Problems of classroom management including discipline. Teaching pupils how to study and training them in habits of study. A critical evaluation of such practices as homogeneous grouping, project and problem teaching, the use of visual aids, socialized class procedure, the Dalton Plan, the Morrisonian Unit Plan, etc. Observation in the public schools correlated with class study.

Prerequisite, course 201. Either semester, three hours a week, three credits.

303. History of Education in the United States.—

The course deals with the European background of American Education and the development of educational institutions and the problems associated with them in America. The problems of secondary education receive special attention. A non-technical course of large cultural content and suggested for those wishing some insight into educational problems but not preparing to teach.

Prerequisite, fifty-four credits. First semester, three hours a week, three credits.

306. Principles of Secondary Education.— MR. REPLOGLE

The aims and functions of secondary education and the relationship of secondary to both elementary and higher education. The secondary school curriculum, educational and vocational guidance, community relationships, the school plant and equipment, the teaching staff, problems of administration and supervision, comparative studies in school costs, extra-curricular activities and their organization, and supervision. A broad survey course which should preferably be taken in the student's junior year.

Prerequisite, fifty-four credits, including course 201. Second semester, three hours a week, three credits.

307. Educational Tests and Measurements.— MR. REPLOGLE

This course deals with the construction and use of informal tests and the selection and use of standardized tests and scales employed in measuring educational products, or for purposes of educational prognosis, or diagnosis of learning difficulties. Training is given in elementary statistical computations and in the interpretation of statistical data. Attention is given to tabular and graphic presentation of data. Valuable for teachers and especially for those going into administrative or supervisory work or into graduate and research work.

Prerequisite, fifty-four credits, including Course 201. First semester, three hours a week, three credits.

402. Educational Problems.—

An advanced course dealing with methods of educational investigation and research. Readings on methods of research and a canvass of typical research reports. Each student selects a problem and studies it critically, finally formulating a brief written report or thesis based upon it. Conducted largely upon a seminar basis. Open only to seniors who have the approval of the Department of Education.

Second semester, one or two credits.

406. Educational Administration.—

An introductory course in the administration of public schools, including school districts, school officials, the internal organization and administration of school systems, school revenues and expenditures, present educational problems and their possible solutions. Designed particularly for those expecting to go into administrative or supervisory work in education.

Prerequisite, ninety credits including nine credits in Education. (Courses 201, 301 required and 307 recommended.) Second semester, three hours a week, three credits.

411R. Practice Teaching and Observation.—

A series of directed observations covering the major problems of classroom technic as found in both the junior and senior high school. Practice teaching in the St. Paul Night High School or in other institutions as opportunity affords, under the supervision of experienced critic teachers and the general supervision of the Department of Education. Reports, individual and group conferences.

Open only to seniors and required of all who expect to teach.

Prerequisite, course 301, unless permission is granted by the head of the Department of Education to carry it concurrently with 301. Either semester, three or five credits.

Special Methods of Teaching

If three credits are earned in Education 411, three credits or two courses in special methods must also be earned for certification in Minnesota. If five credits are earned in 411, one course in special methods will meet the legal requirements for certification in Minnesota. However, it is strongly advised that two courses in special methods be taken, these to be selected preferably in the fields of the student's major or minors.

For all courses in special methods, prerequisite is senior classification, prerequisite or corequisite course 301, approval upon registration of both instructor and Department of Education. The courses offered follow.

- 451. Speech.—** MISS WHITRIDGE, MISS OWEN, MR. LEVANDER
Methods of planning and presenting speech in secondary schools. Six weeks in fundamentals of speech, six weeks in argumentation and debate, and six weeks in play production.

Prerequisite, one of the following courses in speech: 211-212, 241-242, or 441-442. First semester, two hours a week, two credits.

- 452. English.—** MR. WARD
Modern aims and technics of planning and presenting English to students at the secondary level will be considered in detail. There will also be practice in teaching the various phases of English.

Prerequisite, ninety credits, including English 267, 268 and 403. Second semester, two hours a week, two credits.

- 454. Modern Foreign Languages.—** MRS. SUNDEEN
 Consideration of the problems of foreign language instruction in the United States; data for their solution from the Modern Foreign Language Study and contemporary periodical literature. Analysis of recent syllabi, particularly those prescribed for Minnesota High Schools. Review of text books, observation and lesson planning. Given with the cooperation of the departments of French, German and Spanish.
 Prerequisite or collateral requirements: French 303-304 and 331-332 or German 309 or Spanish 315 and 316. Second semester, two hours a week, two credits.
- 458. Latin.—** MISS PALMER
 Consideration of the problems pertaining to the teaching of high school Latin.
 Prerequisite, Latin 202. Second semester, two hours a week, two credits.
- 459. Mathematics.—** MR. CAMP
 A survey of objectives, methods of teaching and measurement of results in teaching secondary mathematics. There will be opportunities for classroom demonstrations and criticism of various technics.
 Prerequisite, minor in mathematics. First semester, two hours a week, two credits.
- 461. Natural Science.—** MR. BRADLEY and Members of the Science Departments
 A survey of the objectives, content, methods of teaching and of measuring results in the science courses offered in high school. A study of committee and survey reports, state syllabi, texts and workbooks.
 Prerequisite, a major or minor in a laboratory science. First semester, two hours a week, two credits.
- 462. Social Studies.—** MR. HOLMES
 The object of this course is to give the new teacher an acquaintance with the Social Studies which will engender confidence in the classroom and intelligent participation in faculty meeting. Lesson planning based on the Minnesota syllabi and current secondary school texts; reports of observation, criticism and discussion; introduction to professional literature. For registration requirements, see page 68.
 Prerequisite, fifteen credits in history and twelve credits selected from at least two of the three departments: Economics, Political Science and Sociology. Second semester, three hours a week, three credits.

473-474. Physical Education.—

MISS SCHELLBERG

A critical study of the State requirements in Physical Education and the teaching methods in this field. Students observe special methods in the local junior and senior high schools and are required to observe and teach 15 hours under the supervision of qualified teachers. Activities course includes presentation of material and technic for the teaching of individual or dual sports, team games, self testing activities and mass games. Open to men and women.

Prerequisite, Physical Education 201-202, 103R and Biology 102. One year, two hours a week, four credits.

475-476. Public School Music—Choral and Ensemble Conducting.—

MR. JOHNSON

- (a) Technic of Conducting
- (b) Instrumentation
- (c) Survey of choral and ensemble literature.

Prerequisite or corequisite, music major with concentration in Choral Music or Band Ensemble, or permission of instructor. One year, two hours a week, four credits.

477-478. Public School Music—Methods.—

MR. JOHNSON

- (a) Elementary School Methods
- (b) Methods in Music Appreciation
- (c) Survey of Materials

Corequisite, Education 475-476. One year, one hour a week, two credits.

English

PROFESSORS CLARK, DOTY, MAY, WARD (Chairman), MISS HANLEY
AND MR. BURG

A major in English consists of at least 20 credits in Literature. Course 403 may, however, be counted toward a major upon completion of Education 452. Students intending to teach English in secondary schools are advised to elect courses 267-268, 351-352, 359-360 and 403. Students looking forward to graduate study are advised to elect courses 267-268, 353-354, 355, 356, 359-360, and 365-366.

A minor in English consists of at least twelve credits from courses numbered 200 or above, whether in Practical English or Literature. A teacher's minor includes courses 267, 268, and 403.

A. Practical English

99R. Composition Essentials.—

MISS HANLEY

Intensive review and drill in reading, spelling, grammar, sentence structure, and punctuation, for students who are not prepared to do the work in course 101.

Either semester, three hours a week, no credit.

101-102. English Language Arts.—

THE STAFF

A gateway college course, designed to stimulate intellectual interests, encourage social attitudes, and facilitate the use of language arts, such as purposeful reading, the use of the library, note-making, oral and written composition, and discussion. This course, with evidence of ability to do the work of course 99R, is required of all freshmen.

One year, three hours a week, six credits.

203-204. Newspaper Reporting.—

MR. BURG

First semester: what news is, where news stories originate and the problems involved in obtaining stories. Extensive instruction and practice in the writing of all types of leads, straight news stories and features. Second semester: more difficult assignments. Each of the newspaper "runs" is examined carefully and the reporting of social affairs, conventions, speeches, interviews, sports, political events, etc., are described. The course concludes with a study of the law of the press. The best examples of all forms of journalistic writing are studied at first hand in the newspapers from twenty large cities in the United States.

Prerequisite, twenty-four credits or journalistic experience in high school and consent of the instructor. One year, two hours a week, four credits.

303. News Editing.—

MR. BURG

Instruction and practice in editing news copy, writing headlines, evaluating news, and planning page layouts. Students learn to use both copyreader's and proofreader's standard symbols. Actual copy desk experience in the editing of desk manual material, *The Mac Weekly* copy, and wire news received over telegraph printer machines.

Prerequisite, English 204. First semester, one lecture and one two-hour laboratory period a week, two credits.

304. The Country Weekly.—

MR. BURG

A general survey of the rural weekly press with special emphasis on editing. Most of the course will be devoted to rural correspondence and writing of "local" news. Several of the leading weekly newspapers in the country will be available for study.

Prerequisite, course 204. Second semester, two hours a week, two credits.

307R. Business English.—

MR. BURG

Designed chiefly for those who plan to enter business or teaching. Includes a discussion of the fundamentals of English as they bear upon words, sentences, paragraphs and letters. The establishment of credit, making of adjustments, sales and collections, and the principles and technic involved in the writing of all types of business letters, reports and advertisements, constitute the major part of the course work.

Prerequisite, fifty-four credits and Economics 232. Either semester, two hours a week, two credits.

403. The English Language.—

MR. WARD

Historical studies of English grammar and vocabulary as related to current usage. Designed especially for prospective teachers. Major and minor credit is allowed upon completion of Education 452.

Prerequisite, ninety credits. First semester, two credits.

Teachers' Course.—See Education 452.

B. Literature.**111-112. Introduction to the Humanities.—**

Lecturers from Cooperating Departments.

Lectures and readings in art, history, literature, music, philosophy and religion. Within a chronological framework of Western World history, are presented ideas and appreciations relevant to the understanding of contemporary culture. Integrated with English 101-102, where materials here derived from readings and lectures are discussed and analyzed in oral and written compositions.

For credits in religion, see Religion 111-112 for which the student must also register.

One year, four lectures a week four credits in English.

267-268. The Art and Appreciation of Literature.—THE STAFF

Based on the literature of the nineteenth and twentieth centuries. A study of technics, forms, ideas, and personalities, with attention to both artistic and philosophical values. Lectures and readings. Required of English majors.

One year, two hours a week, four credits.

Conferences (Optional) in Literary Composition

First Semester

Second Semester

A. The Short Story Mr. Clark C. The Short Play Miss May
B. Poetry Mr. Ward D. The Essay Mr. Clark

Prerequisite, instructor's permission. One conference, two hours, two credits; two conferences, four hours, four credits. Maximum for the course, eight credits.

351-352. American Literature.—

MISS DOTY

A survey of our national literature as it expresses the development of our national thought and life from early colonial days to the present time. Lectures and readings contain the basic ideas of the course; conference is optional for students who wish to do independent work in literary history and appreciation.

Prerequisite, fifty-four credits or instructor's permission. One year, three hours a week, four or six credits. The two extra credits are assigned to students who complete the conference work.

353-354. Old and Middle English.—

MISS MAY

Historical studies in grammar and phonology, with selections from the literature, except Chaucer, from 700 to 1500.

Prerequisite, fifty-four credits or instructor's permission. One year, two hours a week, four credits. Recommended for students who intend to do graduate work. Not offered 1939-1940.

355. Chaucer.—

MR. WARD

Detailed study of the Prologue and twelve of the *Canterbury Tales*; rapid reading of *Troilus and Criseyde* and the minor poems, with attention to Chaucer's development as a poet. The emphasis of the course is literary rather than linguistic.

Prerequisite or collateral, course 267. First semester. three hours a week, three credits. Not offered 1939-1940.

356. Renaissance Poetry.—

MR. WARD

Studies in the development of lyric and narrative forms during the Elizabethan and Puritan periods, with special emphasis on Spenser and Milton. Recommended for students interested in writing poetry.

Prerequisite, course 267. Second semester, three hours a week, three credits. Not offered 1939-1940.

359-360. The Drama to 1642.—

MR. WARD

Rapid reading of plays illustrating the sources, development, and decline of the Elizabethan drama. Twenty-two plays of Shakespeare and about thirty plays of his contemporaries will be read and discussed.

Prerequisite or collateral, course 268. One year, three hours a week, six credits.

365-366. The Restoration and the Eighteenth Century.—

MISS MAY

English literature from Dryden to Blake, with attention to the development of prose, the rise of the novel, and the growth of romanticism. Lectures and readings contain the basic ideas of the course; conference is optional for students who wish to do independent work in literary history and appreciation.

Prerequisite or collateral, course 268. One year, six credits. Not offered 1939-1940.

375-376. The English Novel.—

MISS MAY

Its rise and development. First semester, Defoe to George Eliot; second semester, Hardy to the present.

Prerequisite or collateral, course 268. One year, three hours a week six credits.

385-386. British Drama Since 1660.—

MISS MAY

Lectures and readings. First semester, Dryden to Ibsen; second semester, nineteenth century British drama to the present.

Prerequisite, fifty-four credits. One year, two hours a week, four credits.

393-394. Studies in World Masterpieces.—

MR. CLARK

First semester: Masterpieces in literature: Homer, Aeschylus, Sophocles, Job, Dante, Goethe, and Shakespeare. Second semester: Great characters in modern life and literature.

Prerequisite, fifty-four credits. One year, three hours a week, six credits.

395, 396. Conference in Advanced Creative Writing.—

MR. CLARK

Designed for those who wish to pursue their writing further than the courses offered above. Students may write in any fields they desire; short story, essay, or verse.

Prerequisite, consent of instructor. One year, one or two hours a week, two to six credits.

French

PROFESSORS FICKEN, SUNDHEIM AND HARRISON
AND MRS. SUNDEEN

A major in French must include courses 301-302, 303-304 and 333 or equivalents approved by the department. An equivalent of course 333 is a grade of A or B in course 201-202. Courses 101-102 and 103 are not counted toward a major or a minor. See, also, restriction as to course 206.

The department does not undertake to recommend candidates to teach French who have not completed at least a minor including courses 303-304 and 333 or approved equivalents. Teacher candidates should also have had course 301-302 if possible.

Prerequisite for all courses, except 101-102 and 201-202, is course 202, unless otherwise stated. Courses 313 to 322 should be preceded by course 301-302, except by permission of the department.

101-102. Elementary French.—

MISS SUNDHEIM AND MRS. SUNDEEN

Pronunciation, oral work, dictation, the essentials of grammar and reading of elementary texts.

One year, five hours a week, eight credits.

103-204. Elementary and Intermediate French.—MR. FICKEN

A concentrated course for beginners of approved aptitude and designed to develop a reading ability in two semesters.

One year, six hours a week, twelve credits.

201-202. Intermediate French.—

MISS SUNDHEIM AND MR. HARRISON

Review of grammar, composition, oral work and the reading of modern French texts. Course 206 is optional as a substitute for course 202.

Prerequisite, course 102 or two years of high school French. One year, four hours a week, eight credits.

206. Scientific French.—

MR. HARRISON

A reading course for science students, elective as a substitute for course 202. Does not count toward a major. Counts toward a minor only for students whose major is in Group III.

Second semester, four hours a week, three or four credits.

301-302. History of French Literature.—

MISS SUNDHEIM

A general survey of French literature. Lectures, outside readings and reports.

One year, three hours a week, six credits.

303-304. Phonetics and Conversation.—

MR. FICKEN AND MISS SUNDHEIM

Physiological analysis of the production of French sounds, intensive drill in pronunciation, weekly conference with the instructor and individual use of the phonograph for corrective purposes. The second semester is devoted primarily to conversation and presentation of plays. Should be taken before the senior year. Speech 141 and, if possible, 441 should precede or parallel this course.

Prerequisite for course 304 is course 303 and satisfactory rating in grammar placement test. One year, three hours a week, four credits.

313. Eighteenth Century Prose.—

MR. FICKEN

Literary background of the French Revolution and origins of romanticism, with special emphasis upon Montesquieu, Voltaire, Diderot and Rousseau.

First semester, three hours a week, three credits.

315. Romantic Literature.—

MISS SUNDHEIM

A brief review of the origins of French romanticism. The reading of representative prose works of Chateaubriand, Victor Hugo, Dumas, George Sand and others. A survey of the poetry of Lamartine, Vigny, Hugo and Musset. The romantic drama is included in course 322.

First semester, three hours a week, three credits.

316. The Modern Novel.—

MISS SUNDHEIM

Extensive reading of prose from Balzac to the present time.

Second semester, three hours a week, three credits.

321. Seventeenth Century Drama.—

MR. FICKEN

Corneille, Racine and Moliere with particular emphasis on the latter.

First semester, three hours a week, three credits.

322. Nineteenth Century Drama.—

MISS SUNDHEIM

Extensive reading of plays representative of French dramatic currents since 1830.

Second semester, three hours a week, three credits.

333. French Composition.—

MISS SUNDHEIM

A review course, primarily for seniors who intend to teach French.

First semester, three hours a week, three credits.

405R. Individual Course.—

By special arrangement with the department advanced students may undertake individual projects in courses not currently offered.

Hours and credits to be arranged.

Teachers' Course.—See Education 454.

Geology

PROFESSOR ALEXANDER

A major in the department consists of twenty-three credits in Geology, including course 401. Other courses recommended for a Geology major are: Biology 102, Chemistry 102, or Physics 202.

101-102. General Geology.—

First semester: a study of the forces at work within and upon the surface of the earth, the structural forms which these forces have produced. Second semester: a study of the history of the earth and the life upon it. Illustrated lectures combined with recitations and quizzes upon text work and assigned reading. Field work for the study of local geology.

One year, two lectures, one recitation, one two-hour laboratory period, field work, eight credits. Biology majors are permitted to take course 102 without laboratory for three credits.

104. Physical Geology.—

This course is the same as 101 without the laboratory work. It may be made the equivalent of 101 by completing the required laboratory work of that course.

Second semester, three hours a week, three credits: two credits only for juniors and seniors.

201. Mineralogy.—

A study of the common crystal forms and the practical methods for the identification of the useful minerals.

Prerequisite, Chemistry 102. First semester, one lecture and two two-hour laboratory periods a week, three credits.

202. Petrology.—

A study of the origin, occurrence, classification, alteration, and use of the most common and important rocks.

Prerequisite, course 201. Second semester, one lecture and two two-hour laboratory periods a week, three credits.

303. Vertebrate Paleontology.—

A study of the origin and development of the ancestral mammals and their relation to the other living and extinct groups.

Prerequisite, course 102 or Biology 102. First semester, three hours a week, three credits.

304. Regional Geology.—

This course is given to introduce the student to the principles involved in the study of advanced general geology, and to offer the local student an opportunity to become better acquainted with the interesting and important geology of the

region in which he lives. The topography, structure, and geologic history of Minnesota and Wisconsin together with some of the contiguous territory are studied.

Prerequisite, course 102. Second semester, two lectures and one two-hour laboratory or field period a week, three credits.

305. Economic Geology.—

A study of the origin and occurrence of most important geologic products of the earth. The time is given largely to the useful metals, coal, oil and gas, soil, and the building materials.

Prerequisite, course 102. First semester, three hours a week, three credits.

401R. Individual Course.—

In this course the student selects a problem involving field or laboratory work in the branch of the subject in which he is especially interested. The aim is to develop initiative and resourcefulness in carrying on investigation. Detailed maps and reports are required.

Prerequisite, 11 credits in Geology. Either semester, or one year, two to four credits.

German

PROFESSORS MILROY, SCHULTZ, CARLETON AND MISS LYNCKER

Course 101-102 is not counted toward a major or minor.

101-102. Elementary German.—

MISS MILROY, MISS SCHULTZ AND MISS LYNCKER

Essentials of grammar, reading, conversation. This course is intended for students who have had no German.

One year, five hours a week, eight credits.

201-202. Intermediate German.—

MISS MILROY, MISS SCHULTZ AND MR. CARLETON

Reading of at least 400 pages of narrative prose (stories) with a review of grammar, accompanied by prose composition; conversation.

Prerequisite, course 102 or two years of high school German. One year, four hours a week, eight credits.

206-207. Scientific and Medical German.— MR. CARLETON

A reading course for science students. Course 206, consisting of reading material from the physical and biological sciences, may be taken alone for credit, and is recommended for all Group III majors. Course 207 consists of advanced medical German. Both semesters are advised for pre-medical students.

Prerequisite, course 201 or consent of the instructor. Two semesters, four hours a week, eight credits.

- 301. Survey of German Literature.**— MISS SCHULTZ
A general survey course up to the classic period; readings and reports.
Prerequisite, course 202. First semester, three hours a week, three credits.
- 302. Lessing.**— MISS SCHULTZ
A brief study of his life and times and the reading of at least two of his important works.
Second semester, three hours a week, three credits.
- 303-304. Modern Prose and Drama.**— MISS MILROY
General reading course.
Prerequisite, course 202 if the language was begun in college. Those presenting three years of high school German may elect either this course or one of courses 301, 302 or 310. One year, three hours a week, six credits.
- 305. Goethe.**— MISS MILROY
Study of Goethe's life and of his lyrics, ballads, dramas and prose works.
Prerequisite, courses 307 and 310 or their equivalent and fifty-four credits. First semester, three hours a week, three credits.
- 306. Goethe's Faust.**— MISS MILROY
Critical and analytical study of Part I, its sources and development.
Prerequisite, course 305 and fifty-four credits. Second semester, three hours a week, three credits.
- 307. Studies in History of German Literature.**— MISS MILROY
General survey of German literature from the earliest times to the end of the Middle Ages.
Prerequisite, course 304, or equivalent. First semester, three hours a week, three credits.
- 308. Nineteenth Century Drama.**— MISS MILROY
Twelve dramas of the leading dramatists of the Nineteenth Century commencing with Tieck's *Der Gestiefelte Kater*.
Prerequisite, fifty-four credits. Second semester, three hours a week, three credits.
- 309. Composition.**— MISS SCHULTZ
Advanced syntax, practical composition and conversation.
First semester, two hours a week, two credits.
- 310. Schiller.**— MISS MILROY
A rapid survey of his life and the reading of several of his dramas and his most important poems.
Second semester, three hours a week, three credits.

405R. Individual Course.—

MISS MILROY

Independent work may be done by any advanced student in the department by special arrangement.

One or two credits.

Teachers' Course.—See Education 454.

Greek

PROFESSOR HALL

Course 101-102 is not counted toward a major or minor. Courses 201-202 and 203-204 are counted as 300 courses for third year students.

101-102. Grammar.—

A study of the elements of the language. Drill in form, vocabulary, syntax and composition. Readings from Xenophon's *Anabasis*.

One year, five hours a week, eight credits.

112. Classic Mythology.—

A study of the more important myths of Greece and Rome with special attention to their use in English literature.

Second semester, two hours a week, two credits.

201-202. Xenophon or Lucian and Homer.—

- (a) The *Hellenica*, Books I and II, with discussion of the earlier stages of the Peloponnesian war or Lucian's *Charon* or *Timon* and selected short dialogues, with a survey of the literary and social conditions of the age.

- (b) The *Iliad*, Books I-IV in literary and grammatical study.

Prerequisite, course 102. One year, four hours a week, eight credits. Not offered 1939-1940.

203-204. The Greek Testament.—

This course is intended not only for candidates for the ministry but for any who have studied classical Greek and who wish to acquire a reading knowledge of the New Testament in the original Greek.

Prerequisite, course 102. One year, four hours a week, eight credits.

301. Athenian Orators.—

Selected orations of Lysias and Demosthenes. Theme work on Isaeus, Isocrates and others. Athenian legal procedure.

Prerequisite, course 202. First semester, three hours a week, three credits.

302. Plato.—

The *Apology* and *Crito*. Socrates and his teachings, with readings from Xenophon's *Memorabilia*.

Prerequisite, course 202. Second semester, three hours a week, three credits.

311. Greek Literature in Translation.—

Studies in the classic prose writers and poets of Greece for students having no knowledge of Greek.

Prerequisite, fifty-four credits. First semester, two hours a week, two credits.

History

PROFESSORS HOLMES AND IRWIN

A major in History consists of twenty-four credit hours selected under the guidance of the department. In the additional eighteen hours from groups II or IV required for graduation there should be included at least six hours from the following courses: Economics 231-232; Political Science 209-210, 301.

A major includes courses 101-102 and 203, 204; either 301, 302 or 307, 308.

A minor consists of fifteen credit hours and should include courses 101-102 or 201, 202 and 203, 204.

Students who plan to take the teachers' course must consult the department when registering for the first semester of the senior year. For teachers, the following courses are essential: Economics 231-232, Political Science 209-210 and Sociology 201.

101-102. The Modern World.— MR. HOLMES AND MISS IRWIN

A survey of the cultural achievements of ancient and medieval society followed by a more detailed study of the development of modern civilization and its problems. This course is intended for freshmen and is open to upper classmen only with the consent of the department; when taken by juniors or seniors half credit is allowed. Only freshmen entering in February will be permitted to start this course the second semester.

One year, three hours a week, six credits.

201, 202. English History.—

MR. HOLMES

A sophomore survey. With the consent of the instructor, this course may be elected as a substitute for History 101-102 by freshmen who do not desire a major in History. First semester to 1603; second semester to the present.

One year, three hours a week, six credits.

203-204. The United States from Colonial Times to the Present.—

MISS IRWIN

A survey of American History. This course deals intensively with the social, economic, and political development of the nation. Special stress is placed on the westward expansion and colonial extension of the United States. American activity in the Great War and post war conditions are covered.

Prerequisite, twenty-four credits. One year, three hours a week, six credits.

301. Ancient Civilization.— MR. HOLMES

A study of the historical development of early culture with chief stress on Greek and Roman civilization.

Prerequisite, fifty-four credits. First semester, three hours a week, three credits. Alternating with course 307. Not offered 1939-1940.

302. Medieval Civilization.— MR. HOLMES

The development of European culture from the decline of the Roman Empire to the end of the sixteenth century.

Prerequisite, fifty-four credits. Second semester, three hours a week, three credits. Alternating with course 308. Not offered 1939-1940.

307, 308. Nineteenth and Twentieth Century Europe.—

MR. HOLMES

An intensive study intended to acquaint students with the development of political, social and economic forces in recent European history. During the second semester emphasis will be placed on the period since 1871.

Prerequisite, fifty-four credits, including course 101-102. One year, three hours a week, six credits. Alternating with courses 301, 302.

313. American Diplomatic History.— MISS IRWIN

A survey of the foreign relations of the United States with some consideration of the political background, and the problems of neutrality, isolation, expansion, emergence as a world power, and the Caribbean and Pacific interests.

Prerequisite, fifty-four credits and course 204. First semester, three hours a week, three credits.

314. American Colonial History.— MISS IRWIN

From the establishment of the colonies to the adoption of the Federal Constitution.

Prerequisite, fifty-four credits and course 204. Second semester, three hours a week, three credits.

401, 402. Individual Course.— MR. HOLMES

This course is open to those advanced students in history who wish to study some subject not regularly offered. The subject studied and the nature of the instruction will be determined in conference with the department.

Prerequisite, ninety credits. Hours and credits to be arranged.

Teachers' Course.—See Education 462.

Latin

PROFESSOR PALMER

A major in Latin consists of twenty credits of which fourteen must be in five courses, numbered 300 or above. A minor consists of twelve credits of which six must be 300 courses. Students who desire a recommendation for teaching Latin are required to have had at least four years of high school Latin or its equivalent and Education 458, but are strongly urged to take course 206. Those who have met this minimum requirement can be recommended for teaching only the first two years of Latin. Those wishing to teach more than that must take at least one year of advanced Latin. In addition to the courses required in the Latin department a major student is advised to secure a minor in Greek, and to elect History 301, Philosophy 311 and English 359-360.

101-102. Elementary Latin and Caesar.—

A study of Latin grammar with the reading of easy Latin and Caesar.

One year, five hours a week, eight credits.

201-202. Intermediate Latin.—

Selections from the orations of Cicero and Vergil's Aeneid. A brief study of the lives of the men and the historical background of their writings. No credit is given for one semester unless the student offers three years of Latin from preparatory school.

Prerequisite, two years of high school Latin or course 102. One year, four hours a week, eight credits.

206. Latin Literature in Translation.—

A study of the lives and writings of the chief Latin authors for those who do not read Latin.

Prerequisite, twenty-four credits or permission of the instructor. Second semester, two hours a week, two or three credits.

212. Roman Private Life.—

Life and customs of the ancient Romans. No knowledge of the language is required.

Prerequisite, twenty-four credits or permission of instructor. Second semester, two hours a week, two or three credits. Not offered 1939-1940.

301, 302. Comedy, Livy.—

Representative plays of Plautus and Terence in the first semester. In the second semester selections from Livy are read with especial emphasis on the topography and growth of the city of Rome.

Prerequisite, four years of high school Latin or course 202. One year, three hours a week, six credits. Not offered 1939-1940.

309. Composition.—

A review of Latin grammar in connection with prose composition.

Prerequisite, fifty-four credits and course 202 or equivalent. First semester, two hours a week, two credits.

311, 312. A History of Latin Literature.—

In the first semester the readings are selected from the prose writers and in the second from the poets.

Prerequisites, four years of high school Latin or course 202. One year, three hours a week, six credits.

314. Medieval Latin.—

A rapid reading course to develop speed and vocabulary.

Prerequisites as above. Second semester, three hours a week, three credits. Not offered 1939-1940.

355, 356. Pliny, Tacitus.—

Selections from the letters of Pliny the Younger in the first semester. In the second, the *Agricola* of Tacitus and selections from his other writings.

Prerequisite, one year of Latin in courses numbered 300 or above. One year, two hours a week, four credits.

357, 358. Catullus, Horace-Odes and Epodes.—

Prerequisites as above. One year, two hours a week, four credits.

401R. Individual Course.—

Open to advanced students on consent of the instructor.

Either semester, two or three credits.

Mathematics

PROFESSOR CAMP AND MR. POLANSKY

Students preparing to teach mathematics in high school should include courses 201-202, 303, 304 and Education 459. Those who look forward to graduate study in Mathematics should include courses 303, 304, and 307-308 in their major.

For all students who major in Mathematics the Department recommends a supporting first minor in Physics or Chemistry and a second minor in French or German.

101, 102. Elementary Analysis.—

A study of algebra, plane trigonometry, and analytic geometry. This course is for those who present only two units in high school mathematics.

One year, five hours a week, eight credits. Course 102 will count toward a major or minor if a grade of B or better is attained.

103-104. Elementary Analysis.—

This course is intended for those who present three units in high school mathematics and covers essentially the same material as course 101-102. Some of the review work in algebra is omitted.

One year, four hours a week, eight credits. Four credits may be applied on a major or minor if a grade of B or better is attained.

201-202. Calculus.—

The process of differentiation and integration of algebraic, trigonometric, exponential, and logarithmic functions; applications to geometry and physics; general methods of integration.

Prerequisite, course 102 or 104. One year, four hours a week, eight credits.

303. Solid Analytic Geometry.—

Selected topics in plane analytic geometry; coordinate geometry of curves and surfaces in three-dimensional space, with emphasis on straight lines, planes and quadric surfaces.

Prerequisite, course 102 or 104. First semester, four hours a week, four credits. Alternate years. Not offered 1939-1940.

304. Theory of Equations.—

Complex numbers, numerical equations and their applications, constructions with ruler and compasses, determinants, and symmetric functions.

Prerequisite, course 202. Second semester, four hours a week, four credits. Alternate years. Not offered 1939-1940.

306. Mathematics of Investment.—

Simple and compound interest, annuities, amortization and sinking funds, valuation of bonds, elementary principles of life insurance.

Prerequisite, course 102 or 104. Second semester, three hours a week, three credits. Alternate years. Not offered 1939-1940.

307-308. Advanced Calculus.—

Partial differentiation with applications to the geometry of space; double and triple integrals, line integrals and Green's theorem, transformation of multiple integrals; differential equations; an introduction to complex numbers and the theory of functions.

Prerequisite, course 202. One year, four hours a week, eight credits. Alternate years. Offered 1939-1940.

Teachers' Course.—See Education 459.

Music

Music may be chosen as a major or a minor. Students with a major in music and a minor in history may count Music 203-204 as part of the minor. The total number of credits permitted in music is forty-four.

Requirements for a Major in Music:

1. **Theory and Literature of Music:**

	Required		Elective
First year . . .	Course 101-102 4 credits		
	Course 103-104 2 credits		
Second year .	Course 201-202 4 credits		
	Course 203-204 6 credits		
Third year . .	Course 301-302 4 credits	Course 303-304 4 credits	
	Course 307-308 4 credits		
Fourth year		Course 305-306 4 or 8 credits	
		Course 309-310 2 credits	

2. **Applied Music.** In addition to the above a minimum of six credits is required in any one of the following branches elected:

Piano	Cello	Trumpet
Organ	Clarinet	Choral music
Voice	Flute	Band ensemble
Violin	Horn	String ensemble

Composition may be elected in lieu of applied music. In such case, eight credits in course 305-306 are required.

Special requirement for a major—Physics 101-102.

Music Education:

A certificate in **Secondary School Music** may be attained in the senior year:

(a) By addition to a major with concentration in **Choral Music** of:

Education 465-466	2 credits
Education 469-470	2 credits

or—

(b) By addition to a major with concentration in **Band Ensemble** of:

Education 467-468	2 credits
Education 469-470	2 credits

Special requirements for a certificate in **Secondary School Music**

(a) Voice	One year
Piano	Sophomore proficiency
(b) Orchestral strings	One year

Requirements for a Minor in Music:

1. **Theory and Literature of Music:**

First year	Course 101-102	4 credits	Second year	Course 203-204	6 credits
	Course 103-104	2 credits			

2. **Applied Music.** A minimum of four credits is required in any one of the branches listed under "Applied Music" in the statement of requirements for a major.

COURSES OF STUDY

1. THEORY AND LITERATURE OF MUSIC:

- 101-102. Elementary Harmony.**— MR. JENSEN
One year, two hours a week, four credits.
- 103-104. Ear Training.**— MR. JENSEN
Open only to students who are registered for Music 101-102, or who have previously completed this course.
One year, one hour a week, two credits.
- 201-202. Advanced Harmony.**— MR. JENSEN
Prerequisite, course 102. One year, two hours a week, four credits.
- 203-204. History of Music.**— MR. JENSEN
One year, three hours a week, six credits.
- 301. Harmonic Analysis.**— MR. JENSEN
Prerequisite, course 202 or permission of instructor. First semester, two hours a week, two credits.
- 302. Form; Homophonic, Polyphonic.**— MR. JENSEN
Prerequisite, course 301, or permission of instructor. Second semester, two hours a week, two credits.
- 303-304. Counterpoint.**— MR. JENSEN
Prerequisite, course 202, or permission of instructor. One year, two hours a week, four credits.
- 305-306. Composition.**— MR. JENSEN
Prerequisite, courses 302 and 304. One year, two or four hours a week, four or eight credits.
- 307-308. Musical Literature of the Eighteenth and Nineteenth Centuries.**— MR. JENSEN
Prerequisite, course 204. One year, two hours a week, four credits.
- 309. Harmony of the Twentieth Century.**— MR. JENSEN
Prerequisite, course 301. First semester, one hour a week, one credit.
- 310. Musical Literature of the Twentieth Century.**— MR. JENSEN
Prerequisite, course 309. Second semester, one hour a week, one credit.

2. APPLIED MUSIC:

- 105-106. Choral Music.**— MR. JOHNSON
Membership of the class selective and limited. Vocal test required. Subject matter will change from year to year, and the course may be repeated from year to year with credit. Membership of this class constitutes the Macalester Oratorio Choir.
One year, three hours a week, two credits.

107-108. Band Ensemble.—

MR. JOHNSON

Subject matter will change from year to year, and the course may be repeated from year to year with credit. Membership of this class constitutes the Macalester Concert Band.

One year, three hours a week, two credits.

311-312. Orchestral Strings.—

MISS HARRIS

Open only to students electing Public School Music.

One year, one hour a week, no credit.

Individual Instruction.—

Piano	Violin	Flute	} Each, one period a week, one credit a semester.
Organ	Cello	Horn	
Voice	Clarinet	Trumpet	

3. MUSIC EDUCATION:

405-406. Normal Training in Piano.—

One year, two hours a week, four credits.

Teachers' Courses in Public School Music.—

See Education 201, 301, 411, 475-476, 477-478.

For further information concerning the Conservatory of Music refer to pages 95-101 of this bulletin.

Philosophy

PROFESSORS ANDERSON AND BROWN

A major in this department should include courses 205, 209, 220, 312. A minor should include courses 205, 209, 220 or 312.

205R. Ethics.—

This course includes, so far as time allows, history, ethical theory, psychology of the moral life, discussion of practical problems of our time and philosophical implications.

Prerequisite, twenty-four credits or Psychology 201. Either semester, three hours a week, three credits.

209. Logic and Scientific Method.—

An elementary course in the principles of thinking. It includes, so far as time permits, the methods of science, recent developments in logic, and exercises in critical thinking.

First semester, three hours a week, three credits.

220. Introduction to Philosophy.—

A course intended to introduce the student to the problems of the meaning of the world. It will seek to explain what the chief problems are and help the student in some constructive thinking about them.

Second semester, three hours a week, three credits.

305. Development of Morals and of Moral Ideas.—

A study in the development of morals as illustrated in primitive and more advanced peoples; a comparison of some types of morality; the growth of morality in the individual.

Prerequisite, course 205 and Psychology 201. First semester, two hours a week, two credits. Not offered 1939-1940.

311, 312. History of Philosophy.—

The emphasis is placed on the leading thinkers and systems, with their backgrounds and relations to the general progress of thought. The second half of the year's work begins with John Locke. Credit is given for either semester.

Prerequisite, fifty-four credits. One year, three hours a week, six credits.

315. Epistemology.—

This course aims to introduce the student to the problems of the nature of knowledge and of the possibility of knowledge of the ways of knowing.

Prerequisite, fifty-four credits. First semester, two hours a week, two credits.

326. Philosophy of Religion.—

On the nature and philosophic implications of religion, but with particular reference to the Christian view of the world.

Prerequisite, fifty-four credits. Second semester, two hours a week, two credits.

330. Modern Idealism.—

Typical idealistic philosophers are studied thru selected works with the hope of awakening a larger appreciation of the idealistic point of view.

Second semester, two hours a week, two credits. Not offered 1939-1940.

403, 404. Individual Course.—

The student selects a topic for intensive study under the guidance of the instructor.

Prerequisite, ninety credits and approval of the instructor. One or two credits a semester.

Physics

PROFESSOR HASTINGS

For a major in Physics the following courses are required: Physics 201-202, 301, 302, 351-352 and 411R; Mathematics 202; Chemistry 101-102. A thesis is required upon graduation in connection with the individual work in course 411R.

For a minor in Physics the following courses are suggested: 201-202, and any one of 301, 302, or 351-352.

The requirements in Physics for general science teaching and for pre-medical and pre-dental courses are fulfilled by course 201-202. Students in the Department of Music should register for course 101-102. Students preparing to enter a college of engineering should complete courses 201-202, 221, 301, and 302.

101-102. Sound.—

A course designed primarily to meet the requirements of the Department of Music, but open to all students. The purpose of the course is to give a basic training in modern theory of sound and its applications. Students will perform fundamental experiments thruout the course.

One year, three hours a week, six credits.

201-202. General College Physics.—

An introductory survey of the field of physics, consisting of lecture demonstrations, discussions and laboratory practice. All succeeding work in physics is based on this course. Each student is required to perform about thirty experiments each semester.

Prerequisite, Mathematics 102 or three units of high school Mathematics. One year, three lecture and recitation, and two two-hour laboratory periods a week, eight credits.

221. Principles of Radio Communication.—

A course intended to give students interested in radio an opportunity to experiment with the fundamental radio circuits. The characteristic curves of vacuum tubes are plotted, tube constants are measured, and fundamental receiving and transmitting circuits are set up and tested. Work with the laboratory's short wave transmitter is included in the course.

Prerequisite, course 102 or 202. First semester, two recitations and two two-hour laboratory periods a week, four credits.

301. Mechanics and Thermodynamics.—

An introduction to analytical mechanics and classical thermodynamics. Attention is given to such subjects in mechanics as the dynamics of particles, and in thermodynamics to the theory of reversible changes. About thirty experiments are performed. Some of the subjects covered by them are harmonic motion, motion of projectiles, moment of inertia, viscosity, specific heat and continuous flow calorimetry.

Prerequisite, course 202 and Mathematics 202. First semester, two recitations and two two-hour laboratory periods a week, four credits.

302. Electricity and Optics.—

An introduction to such subjects as potential theory, electromagnetism, interferometry, diffraction, and radiation. Thirty laboratory experiments are given in the course. Measurements are made in electricity using various bridge circuits, potentiometers, permeameters and current inductors. In optics the interferometer, concave grating spectrometer, and photoelectric cell are among the instruments used.

Prerequisite, course 202 and Mathematics 202. Second semester, two recitations and two two-hour laboratory periods a week, four credits.

351-352. Atomic Physics.—

A survey of the developments in modern atomic physics which have been so important in recent years. The first semester's work includes kinetic theory, radiation theory, quantum theory, spectroscopy, and x-rays. The second semester deals with atomic spectra, the periodic system, radioactivity, and relativity.

Prerequisite, course 202. One year, two hours a week, four credits.

411R. Advanced Experimental Physics.—

In this course the student is allowed to carry on experimentation in some particular field of his own choosing, subject to the approval of the head of the department. The aim of such a course is to develop an interest in physical research. The course may be repeated with different topics.

Prerequisite, course 301 or 302. Either semester, four hours a week, two credits.

Teachers' Course.—See Education 461.

Psychology

PROFESSORS FRANKLIN AND REPLOGLE

201R. General Psychology.—

An introductory survey of the theory, principles, laws and applications of normal human psychology. An impartial position is assumed with regard to contending views and schools. An attempt is made to point the study toward a more intelligent understanding of human conduct in every-day life. May be counted toward a major or minor if student's grade is B or better.

Prerequisite, twenty-four credits. Either semester, three hours a week, three credits.

305. The Psychology of Childhood.—

A careful study based upon lectures, textbook and observation and report on individual children, with emphasis placed upon heredity and family adjustments, mental and emotional development and guidance toward a wholesome personality.

Prerequisite, course 201. First semester, three hours a week, three credits.

306. The Psychology of Adolescence.—

MR. REPLOGLE

Physiological, mental and social phases of the adolescent period, conflicts and typical reactions, the growth of appreciation, motivation, interests, morals and religion. Especially intended for those planning to lead or teach adolescent groups.

Prerequisite, course 201. Second semester, three hours a week, three credits.

307. Applied Psychology.—

MR. REPLOGLE

Practical applications of psychology to major fields of human activity, such as law, medicine, education, business and industry, together with its relation to personal efficiency and vocational choice.

Prerequisite, course 201. First semester, three hours a week, three credits.

310. Experimental Psychology.—

An introduction to the experimental method and the statistical treatment of data in the field of psychology, with more detailed study of certain principles arising in General Psychology, such as reflex action, sensation, perception, association, learning, and attention.

Prerequisite, course 201 and consent of instructor. Second semester, one lecture and two laboratory periods a week, three credits.

313. Personality and Mental Hygiene.—

A study of personality development and adjustment with reference to case materials, especially biographical studies. Introductory consideration of personality measurement and mental hygiene. It is highly desirable that students have as an antecedent Sociology 301.

Prerequisite, fifty-four credits, including six in Psychology. First semester, three hours a week, three credits.

314. Abnormal Psychology.—

An inquiry into the origin and development of abnormal behavior; relation of normal to abnormal behavior; the psychopathology of normal life; disorders of sensation, perception, association, memory and emotion; hysteria, suggestion and hypnosis, dreams, compensatory disorders; effect upon total personality; possible approaches to adjustment.

Prerequisite, fifty-four credits, including courses 201 and 313. Second semester, three hours a week, three credits.

401, 402. Individual Course.—

First semester: A study of the growth of modern psychology, contemporary schools and workers in the field, for seniors with a major in the department, planning further study.

Second semester: A study of special problems, for students desiring to continue investigations begun in the regular courses or to carry on individual research in the field of their vocational choice.

Prerequisite, ninety credits and consent of the instructor. Two hours a week, two credits a semester.

Other courses for which credit is given in this department are: Education 201, Religion 336 and Sociology 301. Not more than two of these courses may be counted toward a major in Psychology and not more than one of them toward a minor.

Religion**Including Bible and Religious Education**

PROFESSORS WALLACE*, KAGIN AND MCLEAN

The courses in this department are listed under two headings: "A" includes all courses based directly on the Bible; "B" includes the remaining courses.

The work of this department is organized to meet the needs of three types of students and courses are recommended for them as listed below:

First: For those who wish to devote to the study of religion only the eight hours required for graduation, six credits must be from section A.

Second: For those who wish to equip themselves for volunteer leadership in the work of the church, it is recommended that they take 12 credits which constitute a minor. These credits must include six from section A, and course 342.

Third: For those who wish to build up foundation courses in religion so that they may be in a position to do advanced work in a theological seminary or graduate school of religious education, the department provides two types of majors as follows:

A Pre-Theological Major which consists of at least twenty credits in addition to 101-102 or 105R. It should include courses 103, 201, 208 or 313, 336 and 341. Supporting courses required in other fields are Greek 101-102 and 203-204, Sociology 201, Philosophy 220 and 326.

*Retired

A Pre-Religious Education Major which consists of at least twenty credits in addition to 101-102 or 105R. It should include courses 103, 201, 208, 313 or 314, 341 and 342. Supporting courses required in other fields are Education 201, Sociology 201, Psychology 305 and 306.

A.

101-102. The Life and Teachings of Jesus.— MR. MCLEAN

A study of the life and teachings of Jesus from an historical point of view. The course is planned on a lecture-conference basis. All students attend one lecture a week. The second hour is devoted to reports and discussions held in small conference sections.

One year, two hours a week, four credits. Not offered 1939-1940.

103. Old Testament History.— MR. KAGIN

This study is a biographical approach to the social, political, and religious history of the Hebrews. Important ideas and events are associated with outstanding personalities.

First semester, two hours a week, two credits.

105R. The Jesus of History.— MR. KAGIN

This is a short course in the life of Jesus. It begins with a survey of the social, political, moral and religious conditions which Jesus faced and proceeds with a careful study of the major events in his life and his outstanding teachings.

Either semester, two hours a week, two credits.

201R. The Apostolic Church.— MR. KAGIN

This study traces the spread of the Christian church from Jerusalem as a center through Palestine, Syria, Asia Minor, Greece and Rome. The Acts and letters of Peter, John and Paul are used as source material.

Prerequisite, 101-102, or 105R. Either semester, two hours a week, two credits.

208. The Prophets of Israel.— MR. KAGIN

A careful study of the historical, religious and social background of the prophets, in relation to their own and surrounding nations. Emphasis is laid upon their ethical and religious messages and their permanent contribution to world thought.

Prerequisite, course 103. Second semester, two hours a week, two credits.

301, 302. The Literary Study of the Bible.— MR. CLARK

A study of the various types of literature in the Bible.

First semester: History, Story, Wisdom Literature.

Second semester: Prophecy, Proverbs, and Psalms of the Old Testament, Poetry, Paradoxes, and Parables of the New Testament.

Prerequisites, Religion 102 or 105R, English 102. Advanced courses advised: Religion 103, 208; English 267-268. One year, two hours a week, four credits.

B.**111-112. Introduction to the Humanities.—**

Lecturers from Cooperating Departments

In this course are traced the history and chief ideas of our Christian heritage.

For credits in English, see English 111-112, for which the student must also register.

One year, two credits in Religion.

204. Missions and World Citizenship.— MR. KAGIN

A survey course of the progress of world-wide Christian propaganda. Lectures, lantern slides, character sketches of great missionaries by members of the class, and letters from missionaries on the field are features of the course. Special attention is given to current movements in foreign lands which bear on the mission problem.

Prerequisite, twenty-four credits. Second semester, three hours a week, three credits.

205. Contemporary Forms of Christianity.— MR. KAGIN

This course aims to give a better understanding of the various denominations of the Christian church and an appreciation of their contribution to the religious life of our day by a study of their background, origin, doctrines and institutions.

Prerequisite, twenty-four credits. First semester, three hours a week, three credits.

311. Essentials of Christian Belief.— MR. KAGIN

This course aims to help the student to harmonize the facts he has discovered in the various fields of science with a vital faith in the spiritual realities of Christianity. Such subjects as God, Creation, Sin, Revelation, Redemption and Life after Death are discussed.

Prerequisite, fifty-four credits. First semester, two hours a week, two credits.

- 312. Comparative Religion.**— MR. KAGIN
 A study of the great religious system of the world including Hinduism, Jainism, Buddhism, Zoroastrianism, Confucianism, Taoism, Shintoism, Mohammedanism, Sikhism, Judaism and Christianity. An attempt is made to point out the strong and weak features of each of these religions in the light of the teachings of Christianity.
 Prerequisite, fifty-four credits. Second semester, two hours a week, two credits.
- 313, 314. The Principles of Christian Social Action.**—
 A study of the principles that underlie the attempt of Christianity to translate its teachings into effective means of social control. Special attention is given to contemporary social and religious movements.
 Prerequisites, course 102 or 105, Philosophy 205 or Psychology 201 or Sociology 201 or Economics 232. One year, two hours a week, four credits.
- 336. Psychology of Religious Experience.**— MR. McLEAN
 A study of the following phases of religious experience will be taken up from the psychological point of view: analysis of religious experience, its relation to general psychology; racial roots, the personal factor, and the origin and development of religious experience; sin, conversion, conduct control, belief in God, worship, prayer, inspiration and belief in life after death.
 Prerequisite, fifty-four credits, including Psychology 201. Second semester, three hours a week, three credits.
- 341. Introduction to Religious Education.**— MR. McLEAN
 The purpose of this study is to introduce the student to the general field of religious education. A rapid survey is made of the history, underlying philosophy, aims, methods, content, curricula materials, agencies, organizations, problems and opportunities of the religious education movement.
 Prerequisite, fifty-four credits. First semester, two or three hours a week, two or three credits.
- 342. The Program of Religious Education.**— MR. KAGIN
 A study of the organization and program of religious agencies. Consideration is given to survey technics, principles of program building, selection of materials, training of leadership, and tests and measurements. This course is to prepare students for volunteer religious leadership in the community.
 Prerequisite, fifty-four credits. Second semester, two or three hours a week, two or three credits.

343. Religious Education and the Adolescent.—MR. McLEAN

This course deals with the history, problems and methods of work with young people of high school and college age.

Prerequisite, fifty-four credits. First semester, two hours a week, two credits.

401, 402. Individual Course.—

Properly qualified students may pursue a subject of special interest under the guidance of the instructor within whose field the subject lies. Opportunity is given for extended research and a written report is required.

First or second semester or one year, two or four credits. Open only to seniors whose major is Religion, except by special permission.

Other courses for which credit is given in this department are Philosophy 205R and Philosophy 326. Credits earned in one of these two courses may be applied toward a major in Religion. They do not count toward a minor or toward the eight credits in Religion required for graduation.

Sociology

PROFESSORS CORNELL AND KOONTZ

A major consists of twenty credits including courses 201, 202, 301 and 308. Twelve credits are required for a minor. Those planning to take a major or minor should select courses in consultation with the head of the department. Economics 240 and Psychology 313 may be offered for credit toward a major in this department.

For students contemplating Social Work the following foundation courses and their prerequisites, in addition to a major in Sociology, are basic requirements: Biology 303, Economics 232, Political Science 210, Psychology 314. Recommended additional courses are: Biology 204, Economics 339, Education 201R, Psychology 305, 306. Speech 245 and 441-442 are recommended for students interested in group work.

201R. Introductory Sociology.—

MR. CORNELL

The origin and development of human culture. A consideration of the role of personality, population, social institutions, interactional processes and the prospects of social control.

Prerequisite, twenty-four credits or consent of instructor. Either semester, three hours a week, three credits.

202R. Social Pathology.— MR. CORNELL AND MRS. KOONTZ

A consideration of some of the major problems of personal and social maladjustment and disorganization, including the pathology of the individual, domestic and economic relations, and social organization. Causes, processes, effects, and scientific control.

Prerequisite, course 201. Either semester, three hours a week, three credits.

251-252. Elements of Group Work.— MRS. KOONTZ

A non-technical course for those students interested in group leadership including a study of the basic principles and theory of group work, and the functions of the group leader, with an analysis of types of leadership. Structure and functions of group working agencies are considered, and the methods of program building are discussed. Attention is given to the mechanics of attendance and group records. Concurrent active participation as a leader of a group in the community is required.

Prerequisite, fifty-four credits. One year, two hours a week, four credits.

301. Social Psychology.— MR. CORNELL

A study of human nature as a result of the interaction between the organic and social processes. A consideration of social behavior in terms of prejudice, fashion, crowd behavior, leadership, propaganda and public opinion.

Prerequisite, Psychology 201 and Sociology 201. First semester, three hours a week, three credits.

303. Criminology.— MR. CORNELL

Crime in historical perspective and as a phase of the cultural situation; the significance of the shift from primary to secondary group life for criminal behavior; the possibility of social inventions and new controls in the light of scientifically determined causative factors. Juvenile delinquency and penological problems are considered, with appropriate field trips.

Prerequisite, course 201. First semester, three hours a week, three credits.

308. The Family and Marriage.— MR. CORNELL

The origins, development, and functions of marriage and family life; modern social and economic changes and family disorganization; American marriage and family relationships; theoretical and personal problems.

Prerequisite, course 201. Second semester, three hours a week, three credits.

- 309. The Rural Community.**— MR. CORNELL
 The study of rural society: Its organization and relations; its people, the rural personality; rural social institutions; rural-urban relations; the future of rural culture.
 Prerequisite, course 201. First semester, three hours a week, three credits. Not offered 1939-1940.
- 352. Field of Social Work.**— MRS. KOONTZ
 An orientation course presenting a general view of the field of social work, and including a field survey of the existing social agencies in Minnesota with particular reference to Ramsey and Hennepin counties. Designed not only for the pre-professional student in social work, but for students in the fields of education, religion, and other allied professional fields in which a knowledge of the social resources of a community is an asset. Field trips supplement class lectures.
 Prerequisite, course 202R and foundation courses. Second semester, class and field work, three credits.
- 401R. Individual Course.**— MR. CORNELL
 Recent sociological literature.
 Open, with consent of instructor, to seniors of high rank whose major is Sociology.
 Either semester, two credits.
- 491-492. The Community as a Laboratory.**— STAFF
 Identical with Economics and Political Science 491-492.
 For description see page 49.
 Open to seniors of high standing, with special prerequisites. One year, three hours a week, six credits (two credits each to Economics, Political Science and Sociology). Offered 1940-1941.
- Teachers' Course.**—See Education 462.

Spanish

PROFESSOR HARRISON

Course 101-102 is not counted toward a major.

- 101-102. Elementary Spanish.**—
 Pronunciation, the essentials of grammar, elementary conversation and reading.
 One year, five hours a week, eight credits.
- 201-202. Intermediate Spanish.**—
 Rapid review of grammar, conversation and composition and readings from Spanish Literature.
 One year, four hours a week, eight credits.

208. Commercial Spanish.—

Practice in Spanish commercial correspondence.

Prerequisite, course 201. Second semester, three hours a week, three credits.

301, 302. Survey of Spanish Literature.—

A study of Spanish literature from the Poema del Cid to modern times, with special emphasis on the Golden Age. Lectures, reading of representative works and reports.

One year, three hours a week, six credits.

303. Modern Spanish Drama.—

A study of the drama from Moratin through Galdos, with special emphasis upon the Romantic Movement.

First semester, three hours a week, three credits. Not offered 1939-1940.

304. The Modern Spanish Novel.—

Mainly a study of the Novel of the 19th century.

Second semester, three hours a week, three credits. Not offered 1939-1940.

315, 316. Phonetics and Conversation.—

A scientific study of pronunciation and oral expression. Intensive drill in pronunciation with individual use of the phonograph for corrective purposes. The second semester is devoted primarily to conversation and oral reports.

Prerequisite, course 202. One year, two hours a week, four credits.

405R. Individual Course.—

By special arrangement with the department advanced students may undertake individual projects in subjects not regularly offered. Hours and credits to be arranged.

Teachers' Course.—See Education 454.

Speech.

PROFESSORS WHITRIDGE, OWEN AND MR. LEVANDER

The aim of this department is to help the student find himself and then adjust himself to social environment through speech and dramatic art; to correct voice faults, stimulate self expression and develop mental acumen.

To further these aims opportunity is given students in the department to develop social consciousness thru monthly formal receptions at which programs are presented including plays, reading, extemporaneous speaking, formal and informal discussions.

A major in Speech shall consist of 17 credits in Interpretation and Dramatic Art and 3 credits in Debate and Oratory. A minor shall consist of 12 credits selected from courses in either Interpretation and Dramatic Art or Debate and Oratory.

Course 141-142 is not counted toward a major or minor.

English 386 is required as a supporting course for a major in Speech.

141-142. Fundamentals.—

MISS OWEN

Fundamental principles underlying speech and interpretation. Origin and development of speech. Speech mechanics. Psychology of speech as related to social behavior and mental hygiene. Speeches: principles, types, kinds. Emphasis on breath control, diction, contact, poise and platform work that speech may become a habit skill.

One year, three hours a week, six credits.

A. Debate and Oratory

211. Argumentation and Debate.—

MR. LEVANDER

Intensive study is made of the principles of argumentation. Practical applications illustrating these principles are stressed. Analysis, elementary logic, briefing, arrangement, and developing the argument are given thoro consideration. Effective presentation is emphasized but clear thinking is made the dominant element.

Prerequisite, course 142. First semester, three hours a week, three credits.

212. Argumentation and Debate.—

MR. LEVANDER

This is a continuation of course 211 with special emphasis on the application to actual speeches of the principles learned the first semester. Applied logic, skill in intercollegiate debating and persuasion are made a substantial part of the course. Recommended especially for pre-law students and intercollegiate debaters.

Prerequisite, course 211. Second semester, three hours a week, three credits.

214. Debate Conference.—

MR. LEVANDER

A specialized study is made of one or two questions selected for inter-collegiate debate. Library reading, discussions, team meetings, practice debates, briefs and intercollegiate contests are a part of the course. This course takes a great deal of time and should be attempted only by those who can meet the requirements. It may be repeated for additional credit.

Prerequisite, course 142. Second semester, two credits.

302. Extempore Speaking.—

MR. LEVANDER

This course is devoted to a study of the gathering of material and its organization, speech construction and delivery. The student is required to gather material and outline speeches on a variety of subjects. The purpose of the course is to give the student a fund of topics upon which he can speak and a knowledge of how to present them effectively so that the necessity of his speaking entirely impromptu will be minimized.

Prerequisite, course 142. Second semester, three hours a week, three credits.

303. Speech Rhetoric.—

MR. LEVANDER

A study of advanced principles of speech composition and delivery. The psychology of the audience is thoroly considered. Great speakers and their speeches are studied. Those interested in oratory are advised to take this course.

Prerequisite, course 212. First semester, three hours a week, three credits.

403R. Oratory Conference.—

MR. LEVANDER

Preparation and work on delivery of orations for intercollegiate contests is the major part of the course. The course is largely individual work with private conferences with the instructor for advice and suggestions. Open to college orators only.

Prerequisite, course 303 or consent of the instructor. Either semester, two credits.

B. Interpretation and Dramatic Art**241-242. Interpretation.—**

MISS WHITRIDGE

Technics of interpretation. Literature studied with reference to physical and vocal interpretation. Reading. Analysis of emotions. Pantomime, improvisation. Adaptation of the poem, the short story and the play for platform use. Students in this course have opportunity for practical experience.

Prerequisite, course 142. One year, two hours a week, four credits.

245. Story Telling.—

MISS OWEN

History of story telling. Its use by primitive people. Its present use. Technic of story telling. Class practice in telling stories. Fairy tales, folk-lore, fables, myths, legends, hero stories, Bible stories and the great epics of literature.

Prerequisite, course 142. First semester, two hours a week, two credits. Not offered 1939-1940.

- 251, 252. Choral Reading.**— MISS OWEN
Analysis and interpretation of literature for group reading and program presentation.
Prerequisite, course 141-142. One year, two hours a week, one credit.
- 342. Religious Drama.**— MISS WHITRIDGE
The study of religious drama including Biblical drama with reference to the development and discipline of the creative, imaginative and emotional life of the student. Principles underlying religious drama and the technic of presentation in churches and guild halls.
Prerequisite, fifty-four credits. Second semester, three hours a week, three credits.
- 343-344. Shakespeare, Modern Drama and Prose.**— MISS WHITRIDGE
Analysis and presentation, choice, abridgment and adaptation of selections for public reading.
Prerequisite, course 142. One year, two hours a week, four credits.
- 346. History of the Theater.**— MISS OWEN
History of the drama and the theater from the ritualistic dances to the modern stage production.
Second semester, two hours a week, two credits. Not offered 1939-1940.
- 347-348. Radio Appreciation.**— MISS OWEN
Designed for those who wish to acquire an understanding of the speech technic of radio production. Script writing, program building and laboratory demonstrations. Alternates with courses 245 and 346.
Prerequisite, course 141-142 and fifty-four credits. One year, one hour a week, two credits.
- 441-442. Theory and Practice of Acting.**— MISS WHITRIDGE
Make-up, stage equipment, organization, management. Making of stage models, building, painting and lighting scenery. Students in this course are required to participate in productions and coach one play for public production.
Prerequisites, course 142 and English 386. One year, three hours a week, six credits.
- 443. Individual Course.**— MISS WHITRIDGE AND MISS OWEN
Open to students in Speech and Interpretation who wish to do advanced work not offered in regular courses.
One credit.
- Teachers' Course.**—See Education 451.

Health and Physical Education

PROFESSORS PRIMROSE AND SCHELLBERG

Physical Education is required of all students thruout the first and second years, unless excused thru physical disability. A physical examination is required annually. At the time of registration, appointments for this service are assigned and these take precedence over class work until they are completed.

An effort is made to classify students according to previous physical education experience, physical ability and aptitude and physical fitness.

Men

MR. PRIMROSE, Director

Inter-collegiate teams are maintained in football, basketball, track and field, baseball, swimming, ice hockey, golf and tennis. Credit for gymnasium attendance is given regular members of the squads who are selected by the coach. These members are not required to take gymnasium work in basic required courses while on the squad, but must return to the Physical Education classes after the completion of a sport season.

Special effort is made to interest all men in athletic contests, who are not on the inter-collegiate squads. Regular intra-mural schedules are formed each year for teams in basketball, volleyball, handball, and kittenball. Inter-class games are held in swimming, hockey, handball, tennis, golf, track and field, basketball and volleyball.

101-102. Elementary Physical Education.— MR. PRIMROSE

Correct posture in standing, sitting, walking, marching, tactics, calisthenics. Beginning light and heavy apparatus work. Boxing, wrestling and swimming. When the weather permits, out-of-door mass games as well as a variety of competitive games may be substituted for the indoor work.

Required of freshmen. One year, two hours a week, two points.

201A-202A. Intermediate Physical Education.—MR. PRIMROSE

This course includes the theory and practice in athletic and gymnastic types of physical education: calisthenics, tumbling, marching, boxing and wrestling.

One year, two hours a week, two points.

201B, 202B. Elementary Swimming.—

This course aims to enable the student to swim well enough to meet emergencies.

One year, two hours a week, two points.

201C, 202C. Advanced Swimming.— MR. PRIMROSE

The student is required to be able to use efficiently the crawl stroke, back stroke, side stroke, and breast stroke. Instruction is given in diving and life saving methods.

One year, two hours a week, two points. (Sophomore men are required to take one course numbered 201-202.)

Women

MISS SCHELLBERG, Director

The department has as its aims the development of student appreciation and interest in physical health. The program considers the need of the individual and makes contributions to the student for worthwhile use of leisure time, both in and after college. Toward this end a wide variety of activities is offered.

Work in this department must be taken for four consecutive semesters in the first two years. The curriculum includes both theoretical and practical approach to content. Students are required to provide themselves with suits and other equipment in accordance with uniform standards of the department.

101-102. General Physical Education.— MISS SCHELLBERG

Introductory course in seasonal team and individual sports and the modern dance.

Required of freshmen. One year, two hours a week, two points.

201, 202 is the course number for required work for the second year. Here, the student, classified by previous rating in 101-102 is, with the permission of the instructor, allowed choice in registration in the following courses:

201A, 202A. Team Sports.— MISS SCHELLBERG

Instruction in seasonal team sports: hockey, basketball, volleyball and baseball.

One year, two hours a week, two points.

201B, 202B. Individual Sports.— MISS SCHELLBERG

Instruction in seasonal individual sports: archery, badminton, and tennis.

One year, two hours a week, two points.

201C. The Modern Dance.— MISS SCHELLBERG

Theory and practice of fundamental body movements and elements of the modern dance. Body coordination, rhythmic response, interpretation of music and emotions through movement.

First semester, two hours a week, one point.

201D, 202D. Elementary Swimming.— MISS SCHELLBERG

For beginners and intermediates in swimming.

One year, two hours a week, two points.

201E, 202E. Advanced Swimming.— MISS SCHELLBERG

Instruction in life saving, form swimming, and springboard diving.

One year, two hours a week, two points.

Men and Women

Credit Courses

The following courses are offered for students who wish a minor in Physical Education or wish to meet the requirements of the State Department of Education. Those expecting to teach should consult the head of the Department of Education concerning required courses.

Prerequisite for all the following courses except 103R is course 202.

A minor in Physical Education consists of twelve credits from the following courses: 301, 302, 310, Education 473-474, and Biology 102.

Courses which will qualify the student to meet the requirements of the State Department to teach Physical Education part time are courses 310, Education 473-474, and Biology 102.

103R. Personal Hygiene.— MISS SCHELLBERG, MR. PRIMROSE

A series of lectures and assigned reading designed to help students direct their activities in accordance with modern health standards. This course includes class discussion of the essentials of human anatomy and physiology with practical applications of hygienic principles to individual needs.

Required of freshmen. One semester, one hour a week, one credit.

301. Corrective Physical Education and Kinesiology.—

MR. PRIMROSE

Methods of examination for the detection of physical defects, corrective and preventive treatment of faulty body mechanics and a study of the action of the bones, joints and muscles in simple and complicated movements.

Open to men and women. Prerequisites, Biology 204 and 301. First semester, three hours a week, three credits. Not offered 1939-1940.

302. Theory of Sports.—

MISS SCHELLBERG

The major team, individual and recreational sports for women studied from the theoretical approach; rules, strategy, fundamentals of offense and defense, coaching technic and officiating.

Open to women. Prerequisite, course 202A or 202B. Second semester, two hours a week, two credits. Not offered 1939-1940.

305. First Aid and Athletic Training.—

MR. PRIMROSE

A study of first aid methods and treatment of injuries. The official American Red Cross course in First Aid is followed.

Open to men and women. First semester, two hours a week, two credits.

310. History and Theory of Physical Education.—

MR. PRIMROSE

This course includes the basic principles and philosophy of physical education, the general historical background; principles of organization and administration.

Open to men and women. Prerequisite, Biology 102. Second semester, two hours a week, two credits.

315-316. Theory of Sports.—

MR. STUESSY

The major and minor sports (football, basketball, track and field, hockey, swimming) defense. Strategy of games, scouting, psychology of coaching, study of rules and officiating are covered. The student is required to help coach and officiate freshmen, inter-class and intra-mural team games.

Open to men. One year, two hours a week, four credits.

Teachers' Course.—See Education 473-474.

Macalester College Conservatory of Music

Faculty

CARL A. JENSEN, A. A. G. O., Director
Musical Theory, Organ

HARRIET ALLEN, Piano, Organ

HAROLD AYRES, Violin

RUTH BACH, Piano

GABRIEL FENYVES, Piano

CLEMENTINE GIFFORD, Voice

CARL F. GUGGISBERG, Voice

HELEN HARRIS, Violin

SADIE GINGOLD HENLY, Piano

MARY EDITH HUGHES, Expression, Dancing

HOLLIS JOHNSON, Clarinet, Band, Choir

JAMES MESSEAS, Cello, Ensemble

DORA S. SCHAETTGEN, Piano

HARRIET SCHAFFNER, Piano

CLAIR THORALDSON, Piano

MYRTLE WEED, Piano

JESSIE MAY YOUNG, Piano, Piano Normal

Entrance Requirements

The Bachelor of Music Degree is attainable by those students only who have qualified to meet the entrance requirements of the college as set forth on pages 33 and 34 of this bulletin.

Any certificate or diploma conferred by the Conservatory is attainable by those students only who are graduates of accredited high schools or academies requiring a four year course.

All students who enroll in courses leading to graduation or certification are required to enter at the beginning of the school year.

Students who enroll for private instruction only may enter at any time during the year.

Degrees and Certificates

Bachelor of Arts Degree with Major or Minor in Music.—Any college student may elect music as a major or minor. On a major the maximum number of credits allowed is forty-four and the minimum required is thirty. A minor in music requires a minimum of sixteen credits. For detailed statement of requirements see page 73.

Certificate in Public School Music.—This certificate is obtainable on completion of the requirements described under Music Education on page 73.

Diploma of the Conservatory.—This diploma is attainable on completion of the following requirements:

1. All courses offered in the **Theory** and **Literature** of music, with the exception of 305-306.
2. Senior grade of proficiency in any single branch of applied music.
3. Two public recitals, in the junior and senior years, respectively.
4. Physics 101-102.

In addition, one year of piano is required of those students whose elected branches of applied music are Voice, Violin, or Cello.

This diploma is attainable by students not enrolled in the college.

Bachelor of Music Degree.—This degree is recommended only to those who, when they enter college, have an unusual talent for Applied Music and who are desirous of reserving ample time for practice. They are then allowed to obtain in music eighty of the one hundred twenty-six credits required for graduation.

Requirements for the Bachelor of Music Degree

General Academic Requirements—

English 101-102.....	6 credits	Religion.....	8 credits
One year of French, or in lieu thereof two units of high school French.		Philosophy 205.....	3 credits
One year of German, or in lieu thereof two units of high school German.		History 101-102.....	6 credits
		Psychology 201.....	3 credits
		Physics 101-102.....	6 credits

Musical Requirements—

	First Year	Second Year	Third Year	Fourth Year
1. In the theory and literature of music	101-102. 4	201-202. 4 203-204. 6	301-302.....4 303-304.....4 307-308.....4	305-306.....4 309-310.....2 Orchestration..4 Thesis.....2
2. In applied music				
(a) For Piano	Piano... 4 Voice... 2 Choir... 2	Piano... 4 Recital... 2 Choir... 2	Piano..... 4 Recital..... 2 Accompanying.. 1 Transposition.. 1 Keyboard harmonization.. 1 Sight reading... 1	Piano..... 4 Recital..... 2 Ensemble..... 1 Transposition.. 1 Improvisation.. 1 Sight reading... 1
(b) For Organ	Organ... 4 Voice... 2 Choir... 2	Organ... 4 Recital... 2 Choir... 2	Organ..... 4 Recital..... 2 Choir..... 2 Accompanying.. 1 Transposition.. 1 Keyboard harmonization.. 1 Sight reading... 1	Organ..... 4 Recital..... 2 Accompanying.. 1 Transposition.. 1 Improvisation.. 1 Sight reading... 1
(c) For Voice	Voice... 4 Piano... 2 Choir... 2	Voice... 4 Recital... 2 Piano... 2 Choir... 2	Voice..... 4 Recital..... 2 Choir..... 2 Accompanying.. 1 Sight reading... 1	Voice..... 4 Recital..... 2 Choir..... 2 Accompanying.. 1 Sight reading... 1
(d) For Violin	Violin... 4 Piano... 2 Band... 2	Violin... 4 Recital... 2 Piano... 2 Band... 2	Violin..... 4 Recital..... 2 Accompanying.. 1 Sight reading... 1 Band..... 2	Violin..... 4 Recital..... 2 String ensemble 1 Sight reading... 1 Band..... 2
3. In Music Education				Fourth Year
(a) For Piano.....				405-406..... 4
(b) For Organ.....				Education 475-476.. 4
(c) For Voice.....				Education 475-476.. 4
(d) For Violin.....				Education 475-476.. 4

Certificate in Piano Normal.—This certificate is obtainable on completion of the following requirements:

1. All courses in the Theory and Literature of music, required for a College major.
2. Senior grade of proficiency in Piano.
3. Music Education 405-406.

This certificate is attainable by students not enrolled in the College.

For complete list of subjects offered at the Conservatory see pages 74-75.

Piano

Prerequisites.—A candidate for entrance to the freshman year in piano should have a good knowledge of all scales and arpeggios and should present at least one movement from an easy sonata of Haydn, Mozart or Beethoven. Those who are deficient in entrance requirements must enter one of the preparatory grades. No college or conservatory credits are granted for work in these grades.

Below is given a brief outline of technical work to be followed as closely as possible by the instructors. At the close of each semester, the student is examined by the director upon the work of that semester as outlined, and progress toward completion of the course is determined upon the result of that examination.

Freshman I.—Scales (major, harmonic, minor and chromatic) in 8th notes. M. M. 72 quarters

Major and minor tonic triads and inversions.

Freshman II.—Scales in 8th notes. M. M. 100 quarters
Parallel and contrary motion.

Selections from French and English suites of Bach.

Sophomore I.—Scales in 16th notes. M. M. 72 quarters
Thirds, sixths and tenths.

Sophomore II.—Scales in 16th notes. M. M. 90 quarters
Tonic triad arpeggios, parallel and contrary motion. Two-part Inventions of Bach.

Junior I.—Scales in 16th notes. M. M. 108 quarters
Dominant and diminished seventh chords, solid, broken and arpeggios.

Junior II.—Scales in 16th notes. M. M. 120 quarters
Octave scales. Review of previous work. Three-part Inventions of Bach. A public recital is required in this year.

Senior I.—Scales in 16th notes. M. M. 144 quarters
Double thirds and double sixths. Well-tempered Clavichord of Bach.

Senior II.—A graduation recital.

Voice

Concurrent Requisite.—One year of piano is required of students with a major in music whose elected branch of applied music is voice.

Freshman Year.—A study of the simplicity of breath control as applied to vocal as well as dramatic art; a study of the vowels; exercises in relaxation; drill in intonation and rhythm, tone production, and placing. The instructor will choose vocalizes best adapted to the needs of the student. At least twenty songs of moderate difficulty must be memorized, with special attention to English diction.

Sophomore Year.—Continued drill in vocal technic, quality and equality of tone production, interpretation, enunciation, accuracy and style. Four easier selections from oratorio and opera. Rudiments of Italian diction and the study of early Italian music. Fifteen classic art songs must be memorized and only such songs are accepted toward graduation.

Junior Year.—Drill in vocal technic, sight singing, ear tests and style. A working knowledge of one foreign language, either French or German, as outlined in the regular college course is required. Special attention is paid to diction in these languages. Fifteen classic or modern songs must be memorized. The student is required to appear in public recitals.

Senior Year.—The study of program building, suitable repertoire from the best song literature, stage technic, elements of dramatic art as applied to any suitable opera role. It is required that thirty classic or modern songs be memorized by this year, preferably in the language in which they are written. A senior recital is required.

Organ

Prerequisite.—Students, before taking up the study of the organ, should be able to play the piano reasonably well, at least music of an intermediate grade, such as the Czerny Velocity studies, Bach's Inventions, and the sonatas of Mozart and Haydn.

Freshman Year.—An instruction book is used, such as "The Technique and Art of Organ Playing" by Clarence Dickinson, "The Organ" by Stainer, or Clemens' "Modern School for the Organ." Great stress is made of the idea of laying a solid foundation for the future development of a finished organ technic.

Sophomore Year.—Such material as "Master Studies for the Organ" by Carl Nilson's "Pedal Playing" are drawn upon. The easier works of Bach, from the Widor-Schweitzer edition, are thoroughly studied.

Third Year.—Continuation of the study of Bach's works, sonatas of Mendelssohn, Guilman, and other examples of organ literature.

Fourth Year.—Further continuation of the study of Bach, more particularly the larger and more difficult works. The symphonies, sonatas, choral preludes, suites, concert overtures of such composers as Rheinberger, Merkel, Franck, Widor, Vierne, Karg-Elert, Hollins, etc., and the best compositions of many other writers for the organ, both ancient and modern, are used throughout the course.

The requirements of church service playing are continually kept in mind, and students are drilled in hymn playing and accompaniments of sacred solos or anthems.

Violin

Concurrent Requisite.—One year of piano is required of students with a major in music whose elected branch of applied music is violin.

Preparatory Grade.—Special attention in forming the positions of the violin and bow. Easy studies in the first position to suit capabilities of each pupil.

Intermediate Grade.—Sevcik, Op. 7, Books I and II; Op. 2, Books I and III. Scales. Bytovetzky. Studies, Wolfhart, Kayser, Mazas I. Easy pieces, Home Circle No. 37. The same in positions 42, 43. Concertos, Accolay I. Seitz I, 3, 4. Dancla Op. 89 Six Airs. Duos, Pleyel Op. 48.

Junior Grade.—Sevcik, 40 Variations, Hrimali scales, Mazas Book II, Kreutzer, Fiorillo, Duos, Pleyel Op. 23 and 24. Concertos. de Beriot, 9 and 7. Scene de Ballet. Rode 8, 7. Viotti 23.

Senior Grade.—Halir Scales, Casorti bowings, Studies Rode 24. Gavines, Dont Op. 35, Bach Sonatas, Concertos, Spohr 8. 2. Bruch, Mendelssohn, Viotti 22. Mozart, Wieniawsky, Vieuxtemps, 5. 4, Beethoven, Tchaikowsky, Ernst, Paganini, etc.

Recitals

Recitals are given at the Conservatory each year by advanced students and members of the faculty. All students of music are expected to attend.

Concerts

Students of Macalester Conservatory have many opportunities to attend musical events in the cities of St. Paul and Minneapolis. Opera companies visit the Twin Cities each season, the Minneapolis Symphony Orchestra gives a series of concerts, membership in the Schubert Club of St. Paul and the Thursday Musicale of Minneapolis is open to students, and there are frequent opportunities to attend recitals by the foremost artists of the country.

Sorority

A chapter of the Sigma Alpha Iota sorority was installed at the Conservatory in 1923. All women students whose scholarship and musical attainments reach a satisfactory mark may join. It gives opportunity for social and musical events and for meeting members of other chapters. This sorority claims a wide membership, representing the highest accomplishments in music.

Preparatory Department

Macalester Conservatory has a large and flourishing Junior and Intermediate Department. Students are accepted at any age or stage of advancement and may enter at any time. Students who enter the Preparatory Department may look forward to completing the preparatory course in four years when upon examination they may be admitted to the college course.

Tuition

College students pay their bills for music courses at the college office at the beginning of each semester. All subjects taught at the Conservatory are included in the college tuition except private lesson courses in Applied Music.

Students who take music only without entering the college may enroll at any time of the year and pay their tuition at the Conservatory.

Schedule of Tuition and Other Fees:

In the Theory and Literature of Music, all courses, by credit hour.....	\$6.00
In all branches of Applied Music, except courses 105-106, 107-108, 311-312.....	According to Instructor
In Music Education, courses 405-406, by credit hour.....	\$ 6.00
Junior Certificate courses in Piano:	
Class instruction, by the semester.....	13.50
Private instruction, by the semester.....	22.50
Practice room rental, one hour daily, by the semester.....	8.00
Organ rental, by the hour.....	.40
Conservatory graduation.....	5.00

In case the registration for any class is too small, the Conservatory reserves the right to abandon the class or to raise the terms.

Honorary Degrees

Conferred by Macalester College

- 1901: D. D. to Rev. Charles Thayer, Ph. D. Deceased
 D. D. to Rev. George W. Davis, Ph. D. Deceased
- 1902: D. D. to Rev. H. F. Stilwell St. Paul, Minn.
 D. D. to Rev. J. Le Moyne Danner Deceased
 LL. D. to Hon. Thomas Wilson Deceased
- 1903: D. D. to Rev. Joseph Cochran, Macalester, '89
 New York City
- 1904: D. D. to Rev. Stanley B. Roberts Deceased
 M. A. to Myron A. Clark, '90 Deceased
- 1905: D. D. to Rev. Charles F. Hubbard Carpinteria, Cal.
- 1906: D. D. to Rev. Donald D. McKay Hastings, Neb.
- 1907: D. D. to Rev. Archibald Cardle, Macalester, '94
 Burlington, Iowa
- 1910: D. D. to Rev. Charles T. Burnley Deceased
 D. D. to Rev. Alfred E. Driscoll Grand Rapids, Mich.
 D. D. to Rev. William Porter Lee, Macalester, '89
 Glenside, Pa.
 D. D. to Rev. Harry Clinton Schuler, Macalester, '95
 Teheran, Persia
 D. D. to Rev. John Hansen Sellie, Macalester, '95
 Paynesville, Minn.
- 1911: D. D. to Rev. Charles Allen Clark, Macalester, '99
 Pyeng Yang, Korea
 LL. D. to Rev. Albert Brainerd Marshall, D. D.
 Deceased
 LL. D. to Rev. George Livingstone Robinson, Ph. D., D. D.
 Chicago, Ill.
- 1914: D. D. to Rev. George Ewing Davies Tarentum, Pa.
 D. D. to Rev. Joseph Carle Robinson Deceased
 LL. D. to Hon. James Jerome Hill Deceased
- 1915: Litt. D. to Rev. John Wright Deceased
 D. D. to Rev. William C. Laube, '01 Dubuque, Ia.
- 1916: Mus. M. to Harry Phillips Deceased
 Mus. M. to George H. Fairclough St. Paul, Minn.

- 1918: D. D. to Rev. Asa John FerryWichita, Kansas
 D. D. to Rev. James B. LyleWilksburg, Pa.
 D. D. to Rev. T. Ross PadenDeceased
 D. D. to Rev. Benjamin Bunn RoyerFranklin, Pa.
- 1919: LL. D. to Rev. Dwight Witherspoon Wylie, New York City
- 1920: D. D. to Rev. Paul DoeltzPhilippines
 D. D. to Rev. Thomas W. GrahamOberlin, Ohio
- 1921: D. D. to Rev. Peter EricksonSeattle, Wash.
 D. D. to Rev. Thomas M. FindleyDeceased
- 1923: D. D. to Rev. Crawford McKibbinDeceased
 D. D. to Rev. Charles PetranMinneapolis, Minn.
 D. D. to James Wallace, Ph. DSt. Paul, Minn.
- 1924: D. D. to Rev. James E. DetweilerDallas, Texas
 D. D. to Rev. David A. ThompsonDeceased
- 1925: D. D. to Rev. Frank Harvey ThroopColumbus, O.
- 1926: D. D. to Rev. John Harvey LeeGermantown, Pa.
 D. Sc. to Prof. R. U. JonesSt. Paul, Minn.
- 1928: D. D. to Rev. Carl Wadsworth ScovelDeceased
- 1929: D. D. to Rev. George Clements EdsonWaynesburg, Pa.
- 1930: LL. D. to Rev. William Figley Weir, D. D.Chicago, Ill.
- 1932: LL. D. to George D. DaytonDeceased
- 1933: LL. D. to Rev. Barclay AchesonNew York City
 D. D. to Rev. William Jefferson BellSt. Paul, Minn.
 LL. D. to Rev. Harold McAfee Robinson, D. D.Deceased
- 1934: LL. D. to George Rowland CollinsNew York City
- 1935: D. D. to Rev. James H. NicolBeirut, Syria
- 1936: D. D. to Rev. Harold Harvey BaldwinMinneapolis, Minn.
 D. D. to Rev. Reginald ColemanAustin, Minn.
- 1937: D. D. to Rev. Walker Frame VanceSt. Paul, Minn.
 LL. D. to Theodore ChristiansonChicago, Ill.
 LL. D. to Rev. Enrique Calica Sobrepena
 Manila, Philippine Islands

Roll of Students

Senior Class

Stephen Bartholmaus Achter.....	Glenwood, Minn.
Margaret Baarsch Adams.....	Bird Island, Minn.
Arthur Harold Allen.....	St. Paul, Minn.
Ramona Leigh Allen.....	Ellsworth, Ohio
Emil Dana Almquist.....	Madelia, Minn.
Harlan Garnet Anderson.....	St. Paul, Minn.
Isabel Bertha Aufderheide.....	Gibbon, Minn.
Mona Margaret Baird.....	St. Paul, Minn.
La Reine Chatleain Beavens.....	St. Paul, Minn.
La Vern Ruby Bjorklund.....	Henning, Minn.
Charlotte Miriam Bradley.....	St. Paul, Minn.
Phyllis Henrietta Brinks.....	St. Paul, Minn.
Otto Lorenz Bruss.....	St. Paul, Minn.
Jean Nellie Carey.....	Hayfield, Minn.
Ann Victoria Carlson.....	St. Paul, Minn.
Eugene Thomas Champlin.....	Vernon Center, Minn.
Mary Champlin.....	Lake Crystal, Minn.
Donald Albert Clover.....	Newport, Minn.
Josephine Frances Cowern.....	No. St. Paul, Minn.
Henry Arno Daum.....	St. Paul, Minn.
Ella Ramona Eastwold.....	Le Roy, Minn.
Marion Charlotte Ekholm.....	St. Paul, Minn.
Richard Le Roy Feinberg.....	St. Paul, Minn.
Ann Ferre.....	Springfield, Mass.
Elizabeth Jeanice Fields.....	Minot, No. Dak.
Vernona Theresa Fish.....	Jeffers, Minn.
Charles Laurence Flooding.....	Alexandria, Minn.
Herbert Leland Gardner.....	Minneapolis, Minn.
Robert Nathaniel Gardner.....	St. Paul, Minn.
Robert William Gibbs.....	Mankato, Minn.
Donald B. Graves.....	Morton, Minn.
Marjory Hazel Gregory.....	St. Paul, Minn.
Virginia Ethelynn Guild.....	St. Paul, Minn.
James Wallace Hall.....	Albuquerque, New Mex.
Robert Fredric Halladay.....	Minneapolis, Minn.
Carl Alfred Halverson, Jr.....	St. Paul, Minn.
Howard S. Harris.....	St. Paul, Minn.
Carolyn Wilma Henning.....	St. Paul, Minn.
Howard Homer Holton.....	St. Paul, Minn.
Evelyn Frances Hoye.....	St. Paul, Minn.
Betty Herbst Jahreiss.....	Owatonna, Minn.
Shirley Winifred James.....	Willmar, Minn.
Lillian Elizabeth Johnson.....	Harris, Minn.
Victor Rudolph Johnson.....	Slayton, Minn.
Roy Frederick Kern.....	Lewiston, Minn.
Evelyn Mae Killian.....	Jordan, Minn.
Harriett Elizabeth Koberstein.....	St. Paul, Minn.

Vivian Althea Kocher.....	So. St. Paul, Minn.
✓ Edwin Elmer Koepke.....	Elmore, Minn.
Clara Ann Kuehn.....	St. Paul, Minn.
Richard William Luecke.....	St. Paul, Minn.
Ruth Virginia Lundrigan.....	Cass Lake, Minn.
John Wilhelm Marben.....	Lamberton, Minn.
Stanley Gordon Markusen.....	St. Paul, Minn.
Dorothy Ann Marron.....	St. Paul, Minn.
Dorothy Craik Middlemass.....	St. Paul, Minn.
Pearl Helms Monge.....	St. Paul, Minn.
Margaret Alice Montgomery.....	Vesta, Minn.
Lawrence Myers.....	Pampa, Texas
John Frederick Neander.....	St. Paul, Minn.
Phyllis Barbara Noltimier.....	St. Paul, Minn.
Richard Carl Norberg.....	St. Paul, Minn.
Dorothy Rose Nyquist.....	St. Paul, Minn.
Robert Harry Olander.....	St. Paul, Minn.
David Whittlesey Olds.....	St. Paul, Minn.
Kaji Onose.....	Tokyo, Japan
Roberta Jane Otis.....	St. Paul, Minn.
Harriet Anne Pankhurst.....	Duluth, Minn.
Randall Stewart Pemberton.....	Blue Earth, Minn.
Willard Everett Peterson.....	Minneapolis, Minn.
Herman Albert Petzold.....	St. Paul, Minn.
Lila Mae Porter.....	Hayward, Calif.
Lowell Stanton Reeve.....	Windom, Minn.
Hugh Clifford Reichard.....	Minneapolis, Minn.
Winifred Anne Reichle.....	St. Paul, Minn.
Marcus Gordon Stohl.....	St. Paul, Minn.
Milton William Swanson.....	St. Paul, Minn.
Stephen Myers Sweetland.....	Grand Island, Nebr.
Eleanor Jean Thomas.....	Minot, No. Dak.
June Ina Hope Torrison.....	Minneapolis, Minn.
Margery Virginia Trickey.....	St. Paul, Minn.
Frances Alice Tripp.....	St. Paul, Minn.
Margaret Pauline Turner.....	Duluth, Minn.
Shirley Jean Vermilya.....	St. Paul, Minn.
George Cornelius Voorhis.....	Staples, Minn.
Margaret Isabelle Wallin.....	Virginia, Minn.
Ove Mons Wagensteen.....	St. Paul, Minn.
Eleanor Marion Westen.....	St. Paul, Minn.
Jean Elizabeth Woodward.....	St. Paul Park, Minn.
Vadis Elizabeth Woolsey.....	Shakopee, Minn.
Dorothy May Woskie.....	St. Paul, Minn.
Robert Paul Wright.....	Eveleth, Minn.
Inez Ann Zizka.....	St. Paul, Minn.

Junior Class

Ebba Louise Aberle.....	Wabasha, Minn.
Mary Katherine Allen.....	Ellsworth, Ohio
Mary Margery Allen.....	Hysham, Mont.

Donald George Jaeckels	Winneconne, Wisc.
Loren Robert Jestus	Howard Lake, Minn.
Richard Ludvig Johansen	Edinburg, No. Dak.
Gilbert Edward Johnson	St. Paul, Minn.
Howard Kenneth Kaliher	Swanville, Minn.
Jack Kaster	So. St. Paul, Minn.
Marion Eloise King	Utica, Minn.
Alfred Shane Kingston	Superior, Wisc.
Irene Mae Krosch	Blue Earth, Minn.
Kenneth Milton Kurtz	Tracy, Minn.
Edith Mae Langley	Red Wing, Minn.
Harold Wakefield Larson	St. Paul, Minn.
Ellen Frances Lathers	Duluth, Minn.
Sumner Gordon Lind	St. Paul, Minn.
Irma Fern Logan	Bismarck, No. Dak.
Douglas Martin Lowe	St. Paul, Minn.
Robert Eugene Lund	Cumberland, Wisc.
Robert Louis Lund	Winneconne, Wisc.
Laura Alice Lundberg	St. Paul, Minn.
Mildred Frances Lunder	Slayton, Minn.
Vernon Walter McCallum	Parkers Prairie, Minn.
Margaret Lee Mark	Mankato, Minn.
Monte Arn Mason	Leonard, Minn.
Arthur Edwin Meisel	St. Paul, Minn.
Margaret Elaine Meyer	Fulda, Minn.
Kenneth Sherwood Milne	Minneapolis, Minn.
Joan Louise Nelson	Worthington, Minn.
Norma Mabel Ness	St. Paul, Minn.
Arvid Alfred Nielson	Minneapolis, Minn.
El Rose Glenn Oden	St. Paul, Minn.
Ingrid Blanche Olsen	St. Paul, Minn.
Geraldine Parker	Fairmont, Minn.
Janet Southerland Perkins	Crosby, Minn.
Ralph Hodgdon Pinney	St. Paul, Minn.
Margaret Frances Primrose	St. Paul, Minn.
Gregg Bedford Rains	Minneapolis, Minn.
Dorothy Jean Robbins	St. Paul, Minn.
James George Rogers	St. Paul, Minn.
Roger Irving Sanford	Minneapolis, Minn.
Evelyn Dorothy Sargent	Red Wing, Minn.
Robert Walter Sawin	St. Paul, Minn.
Charles Albert Sheldon	Hutchinson, Minn.
Duncan Eliot Slade	Chicago, Ill.
Katherine E. Snyder	St. Paul, Minn.
Ruth Marie Stillwell	Aberdeen, So. Dak.
Mildred May Thom	St. Paul, Minn.
Elizabeth Lloyd Thornton	Benson, Minn.
Margaret Jane Tonkin	Duluth, Minn.
Mary Elizabeth Tripp	St. Paul, Minn.
John Fagg Voskuil	Amoy, China
Alice Lenore Wall	St. Paul, Minn.

Robert Curtis Alm.....	St. Paul, Minn.
Gustave Herman Apitz.....	Henderson, Minn.
Hiram Forrest Appelget.....	Calumet, Minn.
John Ward Beebe.....	White Bear, Minn.
Arthur Edwin Bell.....	St. Paul, Minn.
Kenneth Adrian Berg.....	Grand Meadow, Minn.
William James Bergh.....	St. Paul, Minn.
Robert Reid Berglund.....	Warroad, Minn.
Everett Rollin Bergstrom.....	Minneapolis, Minn.
Henry James Blom.....	St. Paul, Minn.
Wilbur Allen Boler.....	Anoka, Minn.
Ferris Cobb Booth, Jr.....	St. Paul, Minn.
Eugene Aaron Boyce.....	Mankato, Minn.
Zona Beryl Brandt.....	Fulda, Minn.
Edgar Carlyle Burseth.....	St. Paul, Minn.
Richard Lincoln Butler.....	Staples, Minn.
Lester William Carlander, Jr.....	Minneapolis, Minn.
Walter Harold Carlson.....	Gilbert, Minn.
Katherine Edith Clark.....	Pyongyang, Korea
Lu Verne Koenig Clark.....	St. Paul, Minn.
Marion Louise Clark.....	St. Paul, Minn.
Melvin Howard Clark.....	Elmore, Minn.
Rosamond Catherine Collier.....	St. Paul, Minn.
Charles Lawrence Daub.....	Albert Lea, Minn.
Myrvin Archie DeLapp.....	Luverne, Minn.
Robert John Dick.....	St. Paul, Minn.
Vera LaVonne Domrese.....	St. Paul, Minn.
Jean Lynn Eddy.....	Eveleth, Minn.
Florence Amelia Ekberg.....	Cleveland, Ohio
Norman Kenmore Elliott.....	Hyde Park, Mass.
Betty Meril Engle.....	St. Paul, Minn.
Ruby Evelyn Erickson.....	Minneapolis, Minn.
Victor Lowry Erickson.....	Aitkin, Minn.
Frederick Lehrer Ferlein.....	St. Paul, Minn.
Helen Fitzmaurice.....	Viking, Alberta, Canada
Ruth Marion Gallaher.....	St. Paul, Minn.
Julius Theodore Gericke.....	So. St. Paul, Minn.
Freman Walter Gesche.....	Blue Earth, Minn.
Homer Ransom Goins.....	St. Paul, Minn.
Oscar Thaddeus Gustafson.....	St. Paul, Minn.
Alice Ida Haberberg.....	St. Paul, Minn.
Phil H. Hanson, Jr.....	St. Paul, Minn.
La Moine Garfield Harback.....	Rice Lake, Wisc.
Charlotte Fairbank Harnish.....	Chatfield, Minn.
Hazel Loretta Harvey.....	Mumford, New York
Shirley LeRoy Held.....	Kenyon, Minn.
Tenho Everett Hermanson.....	Swan River, Minn.
Alden Taro Ikeda.....	St. Paul, Minn.
Roswell Philip Ingram, Jr.....	St. Paul, Minn.
Frederick Henry Jacob.....	Lake City, Minn.
Vivian Marie Jacobs.....	Grand Rapids, Minn.

Francis Alexander Wallace.....	St. Paul, Minn.
John Arnold Wallace.....	St. Paul, Minn.
Eleanor Marie Warkentien.....	St. Paul, Minn.
Edwin Ray Winter.....	St. Paul, Minn.
Marion Elaine Wooley.....	St. Paul, Minn.
George Henry Ziegler.....	Blue Earth, Minn.
Harold Walter Zimmerman.....	Bismarck, No. Dak.

Sophomore Class

Dwain John Aamot.....	Erdahl, Minn.
George Aiken.....	St. Paul, Minn.
Chester Albert Anderson.....	Buffalo, Minn.
Frances Maybelle Anderson.....	St. Paul, Minn.
Harold Clarence Anderson.....	Minneapolis, Minn.
Roy Edelburn Arnold.....	Holdingsford, Minn.
Bradley Cooper Austin.....	St. Paul, Minn.
Marion Betty Balcome.....	St. Paul, Minn.
Stanley Clements Banks.....	Winnebago, Minn.
Donald John Howard Bartle.....	Roosevelt, Minn.
George William Bartle.....	Roosevelt, Minn.
Joan Elizabeth Barton.....	St. Paul, Minn.
Eugene Earl Bassett.....	Hinckley, Minn.
Fred Henry Bathke, Jr.....	St. Paul, Minn.
James Raymond Blair.....	Turtle Lake, Wisc.
Raymond Adolphe Boyce.....	Cokato, Minn.
James Vernon Brack.....	St. Paul, Minn.
Harriet Hunter Brown.....	St. Paul, Minn.
Marion Thias Brown.....	Minneapolis, Minn.
Verne Edwin Brown.....	St. Paul, Minn.
Robert Wilcox Buetzberger.....	Minneapolis, Minn.
Robert Douglas Burns.....	Albert Lea, Minn.
Edgar William Burton.....	So. St. Paul, Minn.
Janet Marion Buscho.....	Blue Earth, Minn.
Alvin Melvin Carlson.....	St. Paul, Minn.
Mary Virginia Chamberlain.....	Olivia, Minn.
Erlyse Eilene Champine.....	Dunnell, Minn.
Olive Winifred Childs.....	La Porte, Indiana
Gordon James Clark.....	Hopkins, Minn.
Marjorie Marie Clements.....	Gaylord, Minn.
Hubert James Coleman.....	Austin, Minn.
George Webster Crim.....	St. Paul, Minn.
Cleora Mae Dahlen.....	Minneapolis, Minn.
Donald Albert Dahlstrom.....	Minneapolis, Minn.
E. Marie Dammann.....	Plato, Minn.
Robert Eugene Davidson.....	St. Paul, Minn.
Robert Daniel Davies.....	Minneapolis, Minn.
Mira Betty Davis.....	Stillwater, Minn.
Scott Hauxhurst DeLong.....	Anoka, Minn.
Allen Helmer DeWall.....	St. Paul, Minn.
Arlene Bertha Dordell.....	St. Paul, Minn.
Mildred Elizabeth Dunkelburger.....	St. Paul, Minn.

Jack Echternacht	Alpha, Minn.
Marion Ruth Eichenlaub	St. Paul, Minn.
John Arthur Eklund	St. Paul, Minn.
Willard Henry Ekstrand	Cokato, Minn.
Frederick P. Engfer	Chippewa Falls, Wisc.
Joyce Adell Erlandson	Hettinger, No. Dak.
William Thomas Erskine	Grand Rapids, Minn.
Stanley Russell Fallander	Minneapolis, Minn.
Marvin Richard Fellman	Cazenovia, Minn.
Alan William Ferron	Minneapolis, Minn.
Dorothy Louise Fiddes	Jackson, Minn.
Loyal Roy Fields	Jasper, Minn.
Eleanor Frances Folsom	Little Falls, Minn.
Evelyn Loraine Forus	Minneapolis, Minn.
Kenneth Stuart Fricke	Minneapolis, Minn.
Ivan Kenneth Gesche	Elmore, Minn.
Nathaniel Walter Goins, Jr.	St. Paul, Minn.
Clovce Onita Grant	St. Paul, Minn.
Doris Gertrude Greaves	Glencoe, Minn.
Ruth Hayden Grierson	Minneapolis, Minn.
Gene Wells Halverson	St. Paul, Minn.
Edward Walter Hamren	Wright, Minn.
Leona Hansen	Grey Eagle, Minn.
Joe Harrison	Parkers Prairie, Minn.
William Leslie Hartwick	St. Paul, Minn.
William W. Haverstock, Jr.	Minneapolis, Minn.
Quentin Frank Havlik	So. St. Paul, Minn.
Anita Clarice Hayes	Austin, Minn.
Philip Carl Hedenstrom	Cambridge, Minn.
Jean Christine Heimark	Clarkfield, Minn.
Charles Douglas Hellberg	Minneapolis, Minn.
Charles William Heller	St. Paul, Minn.
Marion Louise Holston	Austin, Minn.
Dwight Spaulding Howe	Red Wing, Minn.
Betty May Hunter	Minneapolis, Minn.
Marian Alice Huttner	Minneapolis, Minn.
Kathryn Alvina Jacob	Lake City, Minn.
John Wallace Jacobs	Willmar, Minn.
Gwendolyn Louise James	St. Paul, Minn.
Phyllis Lucille Jeddelloh	New Richland, Minn.
Vernice Avon Jennings	Redwood Falls, Minn.
Betty Cecelia Jensen	Milltown, Wisc.
Tyrus Lee Jensen	Fergus Falls, Minn.
Donald Worth Johnson	Wolf Point, Mont.
Ruth Elizabeth Johnson	St. Paul, Minn.
Willyan Arlene Jones	Minneapolis, Minn.
Floreine Mae Kelly	Elmore, Minn.
Julia Ann Kennedy	So. St. Paul, Minn.
Ruth Elizabeth King	Albert Lea, Minn.
Ada Louise Knudsen	Dawson, Minn.
Dorothy Ida Koch	St. Paul, Minn.

Robert Dale Lange	Sioux Falls, So. Dak.
Betty Jane Lau	St. Paul, Minn.
Linton Rudolph Lehrer	Clear Lake, Wisc.
Richard LeRoy LeMaster	St. Paul, Minn.
Alice Karen Lewis	Minneapolis, Minn.
Stanley Paul Lienke	Windom, Minn.
Audrey Elizabeth Linde	St. Paul, Minn.
Philip Ervin Lindvig	Mora, Minn.
Rodney Willis Long	No. St. Paul, Minn.
Earl Virgil Lundeen	Minneapolis, Minn.
Florence Lucille MacDonald	Minneapolis, Minn.
Jean Catherine McLeod	Litchfield, Minn.
Margaret Jean McRae	St. Paul, Minn.
Doris Elizabeth Marple	New Richland, Minn.
William Richard Marvin	St. Paul, Minn.
Myron Eugene Meckel	So. St. Paul, Minn.
Richard Amos Micka	Silver Lake, Minn.
John Allen Miller	Minneapolis, Minn.
Gunter Theodore Mitau	St. Paul, Minn.
John Thomas Moir	Minneapolis, Minn.
Mourits Mouritsen	Minneapolis, Minn.
Donald George Mystrom	Minneapolis, Minn.
Nancy Janet Nicol	Great Falls, Mont.
Ellen Laura Nightingale	Fairmont, Minn.
Audrey Isabel Olson	Kerkhoven, Minn.
Audrey Ellen-Marie Opsahl	Minneapolis, Minn.
Katherine Osborn	Edgerton, Wisc.
Warren Joseph Panushka	St. Paul, Minn.
John William Perry	St. Paul, Minn.
Judson Hause Peterson	St. Paul, Minn.
Lester Clayton Peterson	Waltham, Minn.
Helen Irene Phinney	St. Cloud, Minn.
Lyle Henry Polsfuss	Minneapolis, Minn.
Carleton Leigh Roberts	Minneapolis, Minn.
Doris Mae Roberts	St. Paul, Minn.
Jean Ellen Robertson	New Ulm, Minn.
Preston Wigginton Rogers	So. St. Paul, Minn.
Elizabeth Virginia Rose	St. Paul, Minn.
Gene Clara Rosenbaum	Hastings, Minn.
Stanley Dudley Rosenberry	The Pas, Manitoba, Canada
Kenneth H. Schaffer	Windom, Minn.
Phyllis Edna Schneider	St. Paul, Minn.
Ray Becker Scofield	Mankato, Minn.
Eugene Hugo Seashore	Minneapolis, Minn.
Sidney Swen Shogren	No. St. Paul, Minn.
Marion Vivian Smith	St. Paul, Minn.
Dorothy Muriel Snyder	St. Paul, Minn.
Frances Theodora Solem	St. Paul, Minn.
Edward Robert Steadman	Minneapolis, Minn.
Lois Leone Stern	Ladysmith, Wisc.
Stella Helene Stewart	So. St. Paul, Minn.

Hazel Marie Stolz	Nicollet, Minn.
Donald Nielsen Sundeen	Minneapolis, Minn.
Harriet Carolyn Swanson	Hallock, Minn.
Jean Phyllis Swanson	Hallock, Minn.
Lois Esther-Marie Swanson	St. Paul, Minn.
Helen Clare Swenson	St. Paul, Minn.
Quentin Eugene Tenney	Mora, Minn.
Thomas Blair Thornton	St. Paul, Minn.
Betty Ann Thorpe	Minneapolis, Minn.
LeRoy Albert Trumble	Montevideo, Minn.
Thomas Raleigh Trutna	Silver Lake, Minn.
Lowell Guy Van Duzee	Lamberton, Minn.
Lorraine Esther VonWald	Nerstrand, Minn.
John William Voorhis	Staples, Minn.
Robert George L. Waite	Marietta, Minn.
Frederick Harold Walter	St. Paul, Minn.
Eileen Laura Walvatne	Minneapolis, Minn.
Marjorie Ellen Warner	Albert Lea, Minn.
Beverly Carmen Werbes	Ottertail, Minn.
Esther Wernick	St. Paul, Minn.
Gretchen Whiting	Clitherall, Minn.
Carol Elizabeth Will	St. Paul, Minn.
Gwenda Inez Williams	St. Paul, Minn.
James Rowland Williams	St. Paul, Minn.
Alice Marie Wilson	Minneapolis, Minn.
Barbara Louise Wilson	Montevideo, Minn.
Merilyn Wilson	Buffalo, Minn.
Grace Wittenberger	St. Paul, Minn.
LaDonna Elizabeth Wrabek	New Prague, Minn.
Jean Harriet Zavoral	St. Paul, Minn.

Freshman Class

Carol Elaine Abel	St. Paul, Minn.
William Blackwood Alexander	Chokio, Minn.
Roger Gladstone Allen	St. Paul, Minn.
Thelma May Allen	Brockway, Mont.
Richard Wayne Alm	St. Paul, Minn.
Arthur Robert Warren Anderson	St. Paul, Minn.
Douglas Crandall Anderson	St. Paul, Minn.
Harriet Evelyn Anderson	Pierpont, So. Dak.
Lois Marie Anderson	St. Paul, Minn.
Margarette Alice Anderson	Minneapolis, Minn.
Norval LeRoy Anderson	Hudson, Wisc.
Richard Robert Anderson	Minneapolis, Minn.
Virginia Elizabeth Anderson	St. Paul, Minn.
Don Everett Armstrong	Minneapolis, Minn.
Dean Powers Arnold	St. Paul, Minn.
Robert George Aufderheide	New Ulm, Minn.
Ruth Hertha Aufderheide	New Ulm, Minn.
Marlis Jane Axness	St. Paul, Minn.
Jerome Elmer Bachrach	St. Paul, Minn.

Stella Elaine Bailey	Murdock, Minn.
Maxine Virginia Baker	Aitkin, Minn.
Ruth Irene Bartz	Alexandria, Minn.
John Francis Bell	St. Paul, Minn.
Ruth Erika Berlin	St. Paul, Minn.
Laverne Charlotte Billman	Minneapolis, Minn.
Donald Bjorklund	St. Paul, Minn.
Ervin Frederick Block	Nicollet, Minn.
Frances Pauline Bloomfield	St. Paul, Minn.
Aaron Bobrosky	St. Paul, Minn.
Peggy Elizabeth Boyd	Monticello, Minn.
James McKenzie Brack	St. Paul, Minn.
Stanley Rayborn Breckner	Minneapolis, Minn.
John Vincent Brenner	Herman, Minn.
Henrietta Gertrude Brown	Fergus Falls, Minn.
Lynn Rogan Brown	Roswell, New Mex.
Marjorie Bernice Brown	St. Paul, Minn.
Lucy Wilson Buck	Minneapolis, Minn.
Mary Cynthia Burgess	St. Paul, Minn.
Robert Cameron Burnes	Minneapolis, Minn.
Richard Clayton Bushey	Sauk Centre, Minn.
Emily Mae Buth	Faribault, Minn.
Dean William Butler	Buffalo Lake, Minn.
Donald Grayson Cain	Minneapolis, Minn.
Francis Louis Callender	New Richland, Minn.
Jean Louise Carl	Clara City, Minn.
Jeanne Eileen Carson	St. James, Minn.
William Quincy Chalmers	Stillwater, Minn.
Helen Janet Chamberlain	Olivia, Minn.
Catherine Elva Chassell	Belle Fourche, So. Dak.
Harley Lloyd Christensen	Minneapolis, Minn.
Nancy Martha Christensen	Minneapolis, Minn.
Edward Maurice Clark, Jr.	Kobe, Japan
Miles Morton Clark	St. Paul, Minn.
Harry John Clausen	Minneapolis, Minn.
Dorothy Jean Clement	Minneapolis, Minn.
Frederick Manning Coates	St. Paul, Minn.
Margaret Louise Coddington	Hopkins, Minn.
Ralph Joseph Colaizy	St. Paul, Minn.
Letcher Benjamin Connell, Jr.	St. Paul, Minn.
Mavis Anna Crist	Jeffers, Minn.
Mary Phoebe Crum	Spring Valley, Minn.
Lois Mae Culligan	St. Paul, Minn.
Frank Ernest Daggett	St. Paul, Minn.
Dorothy Arlene Dahl	Minneapolis, Minn.
Barbara W. Dailey	Mankato, Minn.
Gertrude Lorraine Daley	Chisago City, Minn.
Laura May Davidson	Chatfield, Minn.
Denise Katherine Davis	Wadena, Minn.
Gertrude Ruth Dearborn	St. Paul, Minn.
LeRoy John Diercks	Goodhue, Minn.

Gordon Milton Dux	Stewartville, Minn.
Charles Kenneth Eckerstrom	Minneapolis, Minn.
Ruth Elizabeth Eldred	Bismarck, No. Dak.
John Orrin Ellenbecker	St. Paul, Minn.
Robert Elliott, Jr.	Minneapolis, Minn.
Janet Ann Elmquist	Minneapolis, Minn.
Helen Marie Emerson	Elmore, Minn.
Edward Lloyd Empenger	St. Paul, Minn.
Cecile Blanche Eng	St. Paul, Minn.
Carl Walter Erickson	St. Paul, Minn.
George Henry Erickson	St. Paul, Minn.
Aaron Vincent Fadden	Alexandria, Minn.
James Kenn Figenshau	Billings, Mont.
Betty Jane Flad	St. Paul, Minn.
Carl Willard Fogelberg	St. Paul, Minn.
Joy Marilyn Foley	Minneapolis, Minn.
Byron Wesley Franklin	Barron, Wisc.
John Robert Freeman	Albert Lea, Minn.
Ardelles M. Frethem	Kenyon, Minn.
Elsie Mae Fulcomer	Alpha, Minn.
Constance Jane Fuller	St. Paul, Minn.
Curtis Edwin Fuller	St. Paul, Minn.
Hazel Marie Gesche	Elmore, Minn.
Lowell Arthur Gess	Nerstrand, Minn.
Winifred Augusta Gibbs	Big Lake, Minn.
Alice Hammond Godfrey	St. Paul, Minn.
Bette Florence Gray	St. Paul, Minn.
Arthur John Grube	St. Paul, Minn.
Genevieve Fern Etta Gust	Blue Earth, Minn.
Kenneth Webster Haan	St. Paul, Minn.
Harry Alben Hadd	St. Paul, Minn.
John Allen Hanner, Jr.	St. Paul, Minn.
Arlene Enid Hanson	Wadena, Minn.
George Allen Harris	Red Wing, Minn.
James Cosgrove Harris	Le Sueur, Minn.
Dorothy Marvel Haugen	Minneapolis, Minn.
Vernon George Hedtke	St. Paul, Minn.
Faith Joy Grace Heidinger	St. Paul, Minn.
Edward LeRoy Heimark	Clarkfield, Minn.
Louise Jean Heinemann	Wayzata, Minn.
Merle DeVere Hermann	St. Paul, Minn.
Edward Carl Hillstrom	St. Paul, Minn.
Ruth Mary Hodgson	Dawson, Minn.
Jean Carolyn Holden	Fairmont, Minn.
Dorothy Yvette Holland	Warroad, Minn.
Thomas Walter Holmes, Jr.	St. Paul, Minn.
Kermit Douglas Holmquist	Buffalo, Minn.
Robert Farnsworth Holt	Slayton, Minn.
Earl Kenneth Hopp	Preston, Minn.
Ronald Mitchell Howard	Minneapolis, Minn.
Roger Aaron Hultgren	Spicer, Minn.

Freed Keith Hunt	Big Lake, Minn.
Shirley Corneille Irwin	White Bear, Minn.
Ralph Richard Jackson	St. Paul, Minn.
Margaret Inger Jacobs	Willmar, Minn.
Milton Walker Jahn	St. Paul, Minn.
William Knight James	Willmar, Minn.
Charles Wilber Jarvis	St. Paul, Minn.
Frederick Otto Joerns	St. Paul, Minn.
Arthur Harold Johnson	Buffalo, Minn.
Bernice Elizabeth Johnson	Red Lake Falls, Minn.
Betty Jane Johnson	St. Paul, Minn.
Donald Eugene Johnson	St. Paul, Minn.
Douglas Marvin Johnson	Dawson, Minn.
Eleanor Rose Johnson	St. Paul, Minn.
Elmer LeRoy Johnson	Staples, Minn.
Ernest Wilbert Johnson, Jr.	St. Paul, Minn.
Harold Lee Johnson	St. Paul, Minn.
Kenneth Owen Johnson	St. Paul, Minn.
Mary Alice Johnson	Glen Lake, Minn.
Donald Emery Jones	Edgerton, Minn.
Randolph Chester Jorgensen	Minneapolis, Minn.
Evelyn Caroline Jorgenson	St. Paul, Minn.
Kenneth Richards Joynt	St. Paul, Minn.
Ruth Louise Kangas	Crosby, Minn.
Irvin Herman Kaun	Swanville, Minn.
Norman Lowell Kaye	St. Paul, Minn.
Margaret Keeley	St. Paul, Minn.
Ruth Eileen Keister	St. Paul, Minn.
Delores Margaret Keller	Sleepy Eye, Minn.
Marilyn Kelly	Owatonna, Minn.
Louise Kathryn Ida Kemmer	Enderlin, No. Dak.
Lawrence Albert Kempf	Stillwater, Minn.
Roland Kenneth Kiebel	Monticello, Minn.
Dorothy Louise King	St. Paul, Minn.
Robert Lee King	Albert Lea, Minn.
Alex Kiresuk	St. Paul, Minn.
Lois Mary Kirk	Fargo, No. Dak.
Dale Donald Kloss	Robbinsdale, Minn.
Betty Lorena Kocher	So. St. Paul, Minn.
William R. Kocher	So. St. Paul, Minn.
Charles Koenigsberger	Mankato, Minn.
Charles Howard Korth	New Ulm, Minn.
Russell Joseph Kotval	Vesta, Minn.
Margaret Nina Krosch	Blue Earth, Minn.
Stanley Joseph Kukachka	Montgomery, Minn.
Hugh Worthington Lange	Harrison, Indiana
Virginia Leach	Stillwater, Minn.
Jane Marlene Leonard	St. Paul, Minn.
Donald David Lev	Jackson, Minn.
Gordon Gilbert Lindholm	Welch, Minn.
Otis Arno Loose	New Ulm, Minn.

Mary Elizabeth Lowe.....	St. Paul, Minn.
Loragene Lucille Lowry.....	St. Paul, Minn.
Charles Heberle Ludwig.....	St. Louis Park, Minn.
Lawrence John Lund.....	Minneapolis, Minn.
Ernie George Lustmann.....	Glencoe, Minn.
Roland Jermain Lutz.....	Minneapolis, Minn.
James Scott McGee.....	St. Paul, Minn.
John Paul McGee.....	St. Paul, Minn.
William Edwin MacGregor, Jr.....	Minneapolis, Minn.
Norman Spencer MacLean.....	Minneapolis, Minn.
Malcolm Bruce MacLeod.....	Bainbridge, New York
Harriet Jean McPhetres.....	Stillwater, Minn.
Margaret Jean Mack.....	Forsyth, Mont.
Betty Jane Madsen.....	St. Paul, Minn.
Elise Marie Mahlum.....	Dawson, Minn.
Virgil Ivor Mann.....	McFarland, Wisc.
Carter Jordan Markus.....	St. Paul, Minn.
Wallace William Marquardt.....	Vesta, Minn.
Marian May Maxwell.....	Minneapolis, Minn.
Donald Jacob Melius.....	St. Paul, Minn.
Francis Bruce Meserve.....	St. Paul, Minn.
Harry Clarence Meyer.....	No. St. Paul, Minn.
Carolyn Claudia Middents.....	Lowry, Minn.
Barbara Ann Miller.....	Crookston, Minn.
Gifford Willis Miller.....	Crookston, Minn.
Ora Rachel Miller.....	Minneapolis, Minn.
Paul Lloyd Miller.....	Jasper, Minn.
Sherman Harley Miller.....	St. Paul, Minn.
Grant Sterling Milsten.....	Belfield, No. Dak.
Dorothy Dorrance Mitchell.....	St. Paul, Minn.
Jean Cole Mitchell.....	St. Paul, Minn.
Mildred Leonora Monson.....	St. Paul, Minn.
Vincent Eugene Mork.....	Hancock, Minn.
Lucille Mercedes Morse.....	Minneapolis, Minn.
Dorothy Annette Muir.....	Minneapolis, Minn.
Constance Muriel Nelson.....	Minneapolis, Minn.
Glee Helen Nelson.....	Amboy, Minn.
Ruth Elizabeth Nelson.....	Minneapolis, Minn.
Virginia Mae Nelson.....	Ogilvie, Minn.
Phyllis Elaine Newman.....	Minneapolis, Minn.
George William Nichols.....	Willmar, Minn.
Janet Adair Nicholson.....	Minneapolis, Minn.
Eileen Virginia Noiske.....	Minneapolis, Minn.
Jane Wilma Noltimier.....	St. Paul Park, Minn.
Rhoda Jeanne Norberg.....	St. Paul, Minn.
Howard Elvin Norgaard.....	St. Paul, Minn.
Grace Carol Norum.....	Minneapolis, Minn.
Thomas Joyce Noyes.....	Tower, Minn.
Melvin Olaf Olson.....	Fergus Falls, Minn.
Patricia B. Olson.....	Morris, Minn.
Robert Elmer Opheim.....	Minneapolis, Minn.

Alice Dorothy Ostergren	St. Paul, Minn.
Collin Edson Ostrander	Albert Lea, Minn.
Marion Grace Oswald	New Ulm, Minn.
Jack Patnode	International Falls, Minn.
Burton Eugene Paulsen	Minneapolis, Minn.
Barbara Esther Peabody	St. Paul, Minn.
June Marie Pearson	St. Paul, Minn.
Norma Madeline Peterson	Springfield, Minn.
Clarke Stanton Peterson	St. Paul, Minn.
June Christine Peterson	Vesta, Minn.
Roger William Peterson	St. Paul, Minn.
Richard Homer Posz	Glencoe, Minn.
William Daniel Radichel	Mankato, Minn.
Robert George Rafferty	St. Paul, Minn.
James Arthur Rafferty	St. Paul, Minn.
Shirley Elizabeth Reps	St. Paul, Minn.
Doris Elizabeth Richards	Benson, Minn.
William Millard Ripley	St. Paul, Minn.
Marvin William Risdon	Litchfield, Minn.
Perry Justin Robinson	Crystal Springs, No. Dak.
Robert Cole Robinson	Amboy, Minn.
Roger Adolf Rohrbacher	St. Paul, Minn.
Rufus Roger Rosell	Minneapolis, Minn.
Ellen Marie Rowley	St. Paul, Minn.
Carlyle Stanley Rude	St. Paul, Minn.
Alan Paul Rusterholz	St. Paul, Minn.
Kathryn Yvonne Ryan	St. Paul, Minn.
Hugh Alfred Salmen	St. Paul, Minn.
Wayne Albert Sater	Minneapolis, Minn.
John Joseph Schmauss	Lake City, Minn.
Richard Paul Schneider	St. Paul, Minn.
Floyd Curtis Schraan	Buffalo Lake, Minn.
Freeman Clifford Schroder	St. Paul, Minn.
Mary Jane Schroeder	Stillwater, Minn.
Howard James Schuft	McGregor, Minn.
Jack Robert Shafer	Rocky Ford, Colo.
Suzanne Barbara Sherk	Cloquet, Minn.
Paul Woodrow Sherlin	Alexandria, Minn.
Elizabeth Jane Silver	Marshall, Minn.
Jessie Marie Simpson	McGregor, Minn.
John Connell Skiff	St. Paul, Minn.
Arlan Royal Smith	Elmore, Minn.
Merrill Kenneth Smith	Elmore, Minn.
Stanley Willard Smith	St. Paul, Minn.
Elaine Melia May Smythe	Fergus Falls, Minn.
Virginia Helene Snyder	Minneapolis, Minn.
Beth Eileen Sorenson	Delavan, Minn.
Laverne Chester Stewart	St. Paul, Minn.
Delvin Douglas Stockdill	Winnebago, Minn.
Ferne Stohlberg	Mudbaden, Minn.
Carol Mae Strane	St. Paul, Minn.
Robert Oscar Strauch	St. Paul, Minn.
Robert Elmer Strom	McGregor, Minn.
Harold Roger Stuart	St. Paul, Minn.

Hal Frederick Susie.....	Kenyon, Minn.
Irma Corrine Swanson.....	Blackberry, Minn.
Woodrow Carl Swanson.....	St. Paul, Minn.
Kenneth Oscar Sweazey.....	St. Paul, Minn.
Cordelia Faith Swinborne.....	St. Paul, Minn.
Dorothy Lucille Thomas.....	Rochester, Minn.
Vivian Myrtle Vassar.....	St. Paul, Minn.
Albert James Vervais, Jr.....	St. Paul, Minn.
Wanda Alma Rose Videen.....	Cambridge, Minn.
Ernest William Vihstadt.....	Minneapolis, Minn.
Platt Bayless Walker.....	St. Paul, Minn.
Robert Dare Wallace.....	Minneapolis, Minn.
Robert Lynn Wallace.....	Cromwell, Minn.
Rodney Lowell Warner.....	Rockford, Ill.
James Lee Waters.....	St. Paul, Minn.
Harold Asbury Watkins.....	Minneapolis, Minn.
William Henry Watson.....	St. Paul, Minn.
William Milo Watson.....	Minneapolis, Minn.
Dean Rolfe White.....	Shullsburg, Wisc.
Everett Vernon White.....	Austin, Minn.
Bernice Carol Wilkins.....	Buffalo, Minn.
Warren Henry Wille.....	St. Paul, Minn.
Don Stuart Williams.....	St. Paul, Minn.
Dorothy Jane Wilson.....	Granite Falls, Minn.
Samuel A. Wittwer.....	Redwood Falls, Minn.
James Henry Wood.....	Minneapolis, Minn.
Ann Dingle Woodward.....	St. Paul, Minn.
Frederick Carlton V. Worman.....	St. Paul, Minn.
Mildred Louise Wright.....	Minneapolis, Minn.
Helen Lillian Yngve.....	Cambridge, Minn.
Robert Edward Zarse.....	St. Paul, Minn.
Robert Lee Zesbaugh.....	Minneapolis, Minn.
Geraldine Lucille Zieme.....	Minneapolis, Minn.

Special Students

Frances Luella Browne.....	St. Paul, Minn.
Mrs. Marion Faricy.....	St. Paul, Minn.
Mrs. Sadie Henly.....	St. Paul, Minn.
Jean George Hugonet.....	Algiers, Algeria
Rosemary Ingham Jemne.....	St. Paul, Minn.
C. A. Jensen.....	St. Paul, Minn.
Anne Cornelia Landsom.....	St. Paul, Minn.
Reuben Benjamin Meckel.....	St. Paul, Minn.
Merton James Parks.....	Cloquet, Minn.
Marguerite Clara Payne.....	St. Paul, Minn.
Barbara Alice Sickels.....	St. Paul, Minn.
Rebecca Natalja Stohl.....	St. Paul, Minn.
Kathryn Alcester Williams.....	St. Paul, Minn.
Lola Williams.....	St. Paul, Minn.

Summary of Students

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