



1948

Ursinus College Catalogue for the Seventy-ninth Academic Year, 1948-1949

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Vol. XLVII

Number One

THE
URSINUS COLLEGE
BULLETIN

CATALOGUE NUMBER



SEVENTY-NINTH ACADEMIC YEAR

1948-1949

Collegeville, Pennsylvania

The Ursinus College Bulletin

Catalogue Number

FOR THE

Seventy-ninth Academic Year

1948-1949

"An Institution where the youth of
the land can be liberally educated
under the benign influence of
Christianity."—*The Founders.*

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Volume XLVII

Number One

CALENDAR

1949

JANUARY	FEBRUARY	MARCH	APRIL
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1950

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CALENDAR

1949

Feb. 7, Monday	SPRING TERM begins, 8:00 a.m.
Mar. 7, Monday	Last day for filing Scholarship Applications
Mar. 25, Friday	SPRING RECESS begins, 5:30 p.m.
Apr. 4, Monday	SPRING RECESS ends, 8:00 a.m.
June 4, Saturday	Alumni Day
June 5, Sunday	Baccalaureate Service, 10:45 a.m.
June 6, Monday	Commencement, 11:00 a.m.
July 11, Monday	SUMMER TERM begins, 8:00 a.m.
Sept. 2, Friday	SUMMER TERM ends, 5:30 p.m.
Sept. 26, Monday	Freshman Program begins
Sept. 28, Wednesday	WINTER TERM begins, 8:00 a.m.
Nov. 23, Wednesday	THANKSGIVING RECESS begins, 5:30 p.m.
Nov. 28, Monday	THANKSGIVING RECESS ends, 8:00 a.m.
Dec. 16, Friday	CHRISTMAS RECESS begins, 5:30 p.m.

1950

Jan. 2, Monday	CHRISTMAS RECESS ends, 8:00 a.m.
Jan. 27, Friday	WINTER TERM ends, 5:30 p.m.
Feb. 6, Monday	SPRING TERM begins, 8:00 a.m.
Mar. 6, Monday	Last day for filing Scholarship Applications
Mar. 24, Friday	SPRING RECESS begins, 5:30 p.m.
Apr. 3, Monday	SPRING RECESS ends, 8:00 a.m.
June 3, Saturday	Alumni Day
June 4, Sunday	Baccalaureate Service, 10:45 a.m.
June 5, Monday	Commencement, 11:00 a.m.
July 10, Monday	SUMMER TERM begins, 8:00 a.m.
Sept. 1, Friday	SUMMER TERM ends, 5:30 p.m.

HISTORICAL STATEMENT

The beginning of educational work on the grounds occupied by Ursinus College was in Todd's School, opened in 1832 "for the use of the neighborhood and its vicinity," the tract on which the school was located having been donated by Andrew Todd.

In the year 1848 a school for the higher education of young men was established on the tract adjoining that of Todd's School. The school was named "Freeland Seminary." Within a period of twenty years, more than three thousand young men from Pennsylvania, New Jersey, Maryland, and Delaware received their education at this school.

In 1868 a body of men, actuated by a desire to serve the interests of higher education and evangelical Christian religion, met in the city of Philadelphia and resolved to found "an institution where the youth of the land can be liberally educated under the benign influence of Christianity." Ruled by this desire, they chose as the name of their institution that of one of the most distinguished reformers and scholars of the Reformation period, *Ursinus*, of the University of Heidelberg.

The Act of Incorporation under which Ursinus College is conducted was granted by the Legislature of Pennsylvania, February 5, 1869, and is as follows:

AN ACT

TO INCORPORATE URSINUS COLLEGE

SECTION 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met, and it is hereby enacted by the authority of the same, that there shall be and hereby is erected, established and incorporated in Upper Providence Township, in the County of Montgomery, in this Commonwealth, an institution of learning, for the purpose of imparting instruction in Science, Literature, the Liberal Arts and Learned Professions by the name, style and title of URSINUS COLLEGE.

SECTION 2. Said College shall be under the care and management of a Board of Directors not exceeding twenty-one in number,

who, with their successors in office, shall be and are hereby declared to be one body politic and corporate in deed and in law, to be known by the name, style and title of Ursinus College, and by the same shall have perpetual succession, and shall be able to sue and be sued, plead and be impleaded in all courts of law and equity, and shall be capable in law and equity to take, hold and purchase for the use and benefit of said College any estate in any messuages, lands, tenements, goods, chattels, moneys and other effects of any kind whatever, by gift, grant, bargain, sale, conveyance, assurance, will, devise or bequest from any person or persons, body politic or corporate either municipal or otherwise whatsoever capable of lawfully making the same, and the same from time to time to grant, bargain, sell, convey, mortgage, farm, let, place out at interest, or otherwise dispose of for the use and benefit of said College; *Provided, however,* That no bequest or donation made to and accepted by said Board for specific educational objects shall ever be diverted from the purpose designated in the conditions of such gift and acceptance.

SECTION 3. That the Board of Directors shall have power to establish, from time to time, in said College, such departments of study and instruction as they may deem expedient, and to provide libraries, apparatus, cabinets, endowments and all other needful aids for imparting full and thorough courses of instruction therein. They may appoint a faculty or faculties, professors, lecturers and teachers, prescribe their respective duties, fix their compensation, and remove them, or any of them, as, from time to time, the interests of the College may require; they shall have power to purchase or erect buildings for the accommodation of students, professors and officers, and for other needful purposes; to establish rules and regulations for the government of students and officers, and to do all and singular such other things and matters as may be requisite for the well ordering and proper management of the affairs of said College.

SECTION 4. That the said Board of Directors shall at first consist of the persons herein named, to wit: *James Koons, Sr., J. Knipe, W. D. Gross, H. W. Kratz, A. Kline, H. K. Harnish, Abraham Hunsicker, Sr., J. W. Sunderland, John Wiest, A. W. Myers, H. H. W. Hibshman, A. Van Haagen, J. H. A. Bomberger, J. G. Wiehle, J. Dahlman, Jr., Emanuel Longacre, George Schall, W. L. Graver, William Sorber, Nathan Pennypacker, N. Gehr,* who, or any nine of them, on the passage of this act, or at any time within three months thereafter, may meet and organize by electing a President and Secretary, and accepting this act, the evidence of which shall be the duly authenticated record of such meeting and action.

SECTION 5. That the Board of Directors shall have power to fill all vacancies in their own body, to expel any member thereof who shall be guilty of infamous conduct and to declare vacant the seat of any member who shall have, for three consecutive years, failed to attend the stated meetings of the Board; to appoint, from time to time, such additional officers and agents of their own body as may be deemed requisite, including a Treasurer, who shall always give ample security for the funds entrusted to his keeping; to adopt a common and corporate seal, by and with which all deeds, certificates, appointments and acts of said Board, signed by their President and attested by their Secretary, shall pass and be authenticated, and the same seal at their pleasure to break, alter or renew.

SECTION 6. That the said Board of Directors at any meeting subsequent to their organization called for the purpose, and of which due notice shall have been given to each member, may adopt and establish a Constitution and By-Laws for the government of their own body, not inconsistent with this act, the laws of the State or the laws of the United States, which Constitution and By-Laws shall not thereafter be altered, amended or repealed except in the manner therein provided.

SECTION 7. That the faculty of any organized department in the College may, with the advice and consent of the Board of Directors, and under such regulations as they may prescribe, confer the degrees, honors, and dignities usually conferred by similar departments in the Colleges and Universities of this Commonwealth.

SECTION 8. That no misnomer of this corporation shall defeat or annul any gift, grant, devise or bequest to or from the said corporation: *Provided*, The intent of the parties shall sufficiently appear upon the part of the gift, grant, will, or other writing whereby such state or interest was intended to pass to or from said corporation.

The corporation was organized at a meeting of the Directors held in the city of Philadelphia, February 10, 1869. A permanent seat for the College was sought near Philadelphia. Attracted by the beauty of the region of Perkiomen Bridge, where Freeland Seminary had flourished for twenty years, and impressed by the reputation of the community for its interest in education, the Board of Directors purchased the property of Freeland Seminary, and incorporated the latter into Ursinus College as its preparatory department. About this time the United States postal authorities named the post office at Per-

kiomen Bridge, Collegeville. Instruction was begun September 6, 1870. In 1881 the doors of the College were opened to women. The Academy was discontinued in 1910.

The Ursinus School of Theology was opened in 1871. The School was conducted at Collegeville in connection with the College until 1898, when it was moved to Philadelphia. In 1907 a Compact of Union was ratified by which it became a part of The Central Theological Seminary at Dayton, Ohio. In 1933 this union was dissolved by mutual agreement. In 1934 Central Theological Seminary was united with Eden Theological Seminary at Webster Groves, Missouri.

Collegeville is on the Benjamin Franklin Highway (Route 422) and is twelve miles distant from the Lincoln Highway. It may be conveniently reached from Philadelphia by means of trains of the Pennsylvania, Philadelphia and Western (69th Street Terminal), or Reading railroads to Norristown, Pa., whence buses leave hourly for Collegeville, carrying passengers directly to the College.

Ursinus College is on the approved list of the Middle States Association of Colleges and Secondary Schools, the American Association of University Women, and the Association of American Universities.

NEEDS

The College constantly employs fully the equipment and resources at its disposal. The steady growth of the institution should encourage its friends to provide for its further needs. The following present exceptional opportunities for gifts and memorials: endowment of scholarships, \$2,000 to \$10,000 each; endowment of professorships, \$80,000 and upwards; general endowment funds, \$5,000 and upwards; residence halls for women, \$60,000 and upwards; an infirmary, \$35,000. The counsel of the President of the College should be sought with a view to obtaining the most advantageous cooperation on the part of benefactors.

GIFTS AND BEQUESTS

It is the judgment of those who have had the responsibility of disposing of large fortunes that Education furnishes the most promising field for benevolence. The great philanthropic foundations, after discriminating scientific inquiry into the ways and means of doing good with accumulated wealth, have made Education their chief objective. The findings of these philanthropic agencies may be accepted for the guidance of others.

The practice of making donations during one's life rather than making bequests to be executed after death is recommended. In this way the donor has absolute assurance that his wishes are being carried out, he has the satisfaction of seeing his gift bearing fruit in the improved work of the institution, and he avoids the deflection of part of his proposed gift in the form of inheritance taxes.

When the donor wishes to retain the income of his estate during his lifetime, a very satisfactory arrangement is provided in Ursinus College Annuity Bonds, which the College issues in exchange for cash or property. Annuity Bonds guarantee to the donor a fixed income payable semi-annually during the period of his natural life, and upon his death the bonds become null and void, and the gifts which they represent continue as permanent possessions of the College.

When, however, it is decided to make a bequest, care should be taken to have all testamentary papers signed, witnessed, and executed in strict accordance with the statutory laws of the State in which the testator resides. In all cases the name of the corporation should be accurately given, as in the following form:

I give, devise and bequeath to **URSINUS COLLEGE**, located at Collegeville, Montgomery County, Pennsylvania, its successors and assigns forever, the sum of..... dollars, for its several corporate purposes (or name the particular corporate purpose desired by the testator).

THE DIRECTORS

	First Elected	Term Expires
REV. TITUS A. ALSPACH, D.D., Lancaster,	1925	1950
CHARLES A. BEHNEY, M.D., Philadelphia,	1937	1952
HON. THOMAS E. BROOKS, LL.D., Red Lion,	1921	1951
WALTER R. DOUTHETT, A.M., Darby,	1936	1951
*EFFIE BRANT EVANS, A.B., Norristown,	1942	1950
EDWIN M. FOGEL, PH.D., Fogelsville,	1930	1950
REV. ARTHUR FRETZ, A.B., B.D., Allentown,	1948	1953
EDWARD S. FRETZ, LL.D., Collegeville,	1925	1950
FRANCIS J. GILDNER, ESQ., A.B., Allentown,	1924	1949
DONALD L. HEFFERICH, ESQ., A.B., LL.B., Collegeville,	1927	1952
REV. GEORGE W. HENSON, D.D., Philadelphia,	1911	1951
REV. HENRY J. HERBER, D.D., Lebanon	1947	1952
H. OBER HESS, ESQ., A.B., LL.B., Norristown,	1947	1952
RHEA DURYEA JOHNSON, A.B., Philadelphia,	1928	1953
ROBERT L. JOHNSON, LL.D., Philadelphia,	1947	1952
REV. W. SHERMAN KERSCHNER, D.D., Philadelphia,	1940	1950
IRENE F. LAUB, M.D., Sc.D., Easton,	1938	1953
REV. JOHN LENTZ, D.D., Norristown,	1946	1951
D. STERLING LIGHT, A.B., Norristown,	1947	1952
N. E. McCLURE, PH.D., LITR.D., LL.D., L.H.D., Collegeville,	1936	1951
†RALPH E. MILLER, A.B., Collegeville,	1924	1953
REV. JAMES M. NIBLO, D.D., Norristown,	1936	1951
CHARLES H. NOSS, York,	1944	1949
HARRY E. PAISLEY, LL.D., Philadelphia,	1907	1952
GEORGE E. PFAHLER, M.D., Sc.D., LL.D., Philadelphia,	1935	1950
WILLIAM D. REIMERT, A.B., Allentown,	1947	1952
CHESTER ROBBINS, M.A., Princeton, N.J.,	1943	1949
ROBERT R. TITUS, B.S., Villanova,	1948	1953
ERNEST C. WAGNER, PH.D., Sc.D., Swarthmore,	1946	1951
RALPH F. WISMER, ESQ., A.B., Collegeville,	1938	1953

* Died June 10, 1948.

† Died December 14, 1948.

COMMITTEES OF THE BOARD OF DIRECTORS

Executive Committee

E. S. FRETZ	J. M. NIBLO
H. E. PAISLEY	N. E. McCLURE
D. L. HELFFERICH	R. F. WISMER
R. E. MILLER	E. B. EVANS

Committee on Finance

R. F. WISMER	N. E. McCLURE
H. E. PAISLEY	D. L. HELFFERICH
J. M. NIBLO	E. S. FRETZ

Committee on Buildings and Grounds

J. M. NIBLO	N. E. McCLURE
R. E. MILLER	D. S. LIGHT
W. R. DOUTHETT	C. H. NOSS

Committee on Instruction

N. E. McCLURE	D. L. HELFFERICH
C. A. BEHNEY	R. L. JOHNSON
G. E. PFAHLER	CHESTER ROBBINS

Committee on Long-Term Planning

J. M. NIBLO	C. H. NOSS
W. S. KERSCHNER	R. E. MILLER
W. R. DOUTHETT	N. E. McCLURE
I. F. LAUB	D. L. HELFFERICH
G. E. PFAHLER	H. E. PAISLEY

R. F. WISMER

Committee on Budget

W. R. DOUTHETT	D. L. HELFFERICH
R. F. WISMER	N. E. McCLURE

JOHN LENTZ

OFFICERS OF THE CORPORATION

President

HARRY E. PAISLEY

Philadelphia

First Vice-President

THOMAS E. BROOKS

Red Lion, Pa.

Second Vice-President

FRANCIS J. GILDNER

Allentown, Pa.

Chairman, Executive Committee

E. S. FRETZ

Collegeville, Pa.

Secretary

RALPH F. WISMER

Collegeville, Pa.

Treasurer

RALPH F. WISMER

Collegeville, Pa.

Ursinus College

ADMINISTRATION

- N. E. McCLURE, PH.D., LITT.D., LL.D., L.H.D., *President*
 MRS. CARL D. BURG, *Secretary*
 DONALD L. HELFFERICH, ESQ., LL.B., *Vice-President*
 MRS. JAMES H. CREWS, A.B., *Secretary*
 JOHN WENTWORTH CLAWSON, M.A., ScD., *Dean*
 MRS. JOHN W. CLAWSON, *Secretary*
 MISS MELVA E. SPARE, *Clerical Assistant*
 WILLIAM J. PHILLIPS, PH.D., *Registrar*
 WILLIAM S. PETTIT, M.S., *Assistant Registrar*
 MISS AGNES J. DONAHUE, A.B., *Secretary*
 MRS. MILTON G. MARION, *Secretary*
 THE REV. CHARLES C. WALLICK, A.B., B.D., *College Chaplain*
 THE REV. ALFRED L. CREAGER, B.S., B.D., *Pastor of the College Church*
 G. SIEBER PANCOAST, A.M., *Dean of Men*
 J. DOUGLAS DAVIS, A.M., *Resident*
 H. LLOYD JONES, JR., A.M., *Resident*
 JAMES S. STRAUB, A.B., *Resident*
 GEORGE C. ELSEY, JR., A.B., *Resident*
 MISS CAMILLA B. STAHR, A.B., *Dean of Women*
 MRS. WILLIAM U. HELFFERICH, B.LITT., *Preceptress*
 MRS. G. SIEBER PANCOAST, A.M., *Preceptress*
 MRS. J. K. SCHLAYBACH, *Preceptress*
 MISS A. ETNA LAPPIN, *Preceptress*
 MRS. G. HENRY SHRYOCK, *Preceptress*
 MRS. FOSTER L. DENNIS, A.B., *Preceptress*
 MRS. KARL S. JACOBSEN, *Preceptress*
 MISS MILDRED MORRIS, *Preceptress*
 MRS. ROGER P. STAIGER, A.B., *Preceptress*
 MRS. JOHN R. JACKSON, *Preceptress*
 MRS. EDGAR BAIRD, *Preceptress*
 MRS. B. W. SIPLEY, A.B., *Preceptress*
 TILTON M. BARRON, A.B., M.S., IN L.S., *Librarian*
 MISS ELIZABETH MORONEY, A.B., B.S. IN L.S., *Assistant Librarian*
 STANLEY OMWAKE, M.B.A., *Assistant Treasurer*
 JAMES R. RUE, *Chief Accountant*
 MISS CONSTANCE I. BARTHOLOMEW, A.B., *Accountant*
 MRS. THEODORE W. SMALL, *Secretary*
 JOHN B. PRICE, A.M., M.D., *College Physician*
 EDWARD H. PLATTE, M.D., *Assistant College Physician*
 MISS HELEN M. MOLL, R.N., *Resident Nurse*
 MRS. HAROLD C. BRANDT, R.N., *Resident Nurse*
 HORACE E. GODSHALL, *Superintendent of Buildings*
 RUSSELL L. REMIG, CH.E., *Assistant Superintendent of Buildings*
 JAMES E. MORRISON, *Steward*

THE FACULTY*

NORMAN EGBERT McCLURE, PH.D., LITT.D., LL.D., L.H.D.

President; Professor of English.

A.B., Ursinus College; A.M., Pennsylvania State College; Ph.D., University of Pennsylvania; Litt.D., Pennsylvania Military College; LL.D., Temple University; L.H.D., Franklin and Marshall College.

JOHN WENTWORTH CLAWSON, M.A., Sc.D.

Dean; Professor of Mathematics.

B.A., M.A., University of New Brunswick; B.A., Cambridge University; Sc.D., Ursinus College.

CARL VERNON TOWER, PH.D.

Professor of Philosophy, Emeritus.

A.B., A.M., Brown University; Ph.D., Cornell University.

ELIZABETH BRETT WHITE, PH.D.

Professor of History, Emeritus.

A.B., Cornell University; A.M., University of Wisconsin; Ph.D., Clark University.

MARTIN WEAVER WITMER, A.B.

Professor of English, Emeritus.

A.B., Franklin and Marshall College.

JESSE SHEARER HEIGES, A.M., PED.D.

Professor of Education, Emeritus.

A.B., A.M., Ursinus College; M.A., New York University; Ped.D., Ursinus College.

JAMES LANE BOSWELL, PH.D.

Professor of Economics.

A.B., Georgetown College; A.M., Ph.D., University of Pennsylvania.

RUSSELL DAVIS STURGIS, PH.D.

Professor of Chemistry.

A.B., University of Delaware; M.S., Ph.D., University of Pennsylvania.

GEORGE RUSSELL TYSON, PH.D.

Professor of Psychology and Education.

B.S., A.M., Ph.D., University of Pennsylvania.

JOHN HAROLD BROWNBACK, A.B., Sc.D.

Professor of Biology.

A.B., Sc.D., Ursinus College.

* Listed in order of appointment to present rank; appointments of the same year are listed alphabetically.

MAURICE OBERLIN BONE, B.C.S.

Professor of Economics.

B.C.S., Northwestern University.

FRANK LEROY MANNING, PH.D.

Professor of Mathematics.

B.S., Cornell University; M.S., Rutgers University; Ph.D., Cornell University.

DONALD GAY BAKER, PH.D.

Professor of Greek.

A.B., Haverford College; A.M., Ph.D., Harvard University.

GEORGE WELLINGTON HARTZELL, PH.D.

Professor of German.

A.B., Lehigh University; A.M., Ph.D., University of Pennsylvania.

CALVIN DANIEL YOST, JR., PH.D.

Professor of English.

A.B., Ursinus College; A.M., Ph.D., University of Pennsylvania.

MAURICE WHITMAN ARMSTRONG, S.T.M., PH.D.

Professor of History.

B.A., M.A., Dalhousie University; B.D., Pine Hill Divinity Hall; S.T.M., Ph.D., Harvard University.

WILLIAM SCHUYLER PETTIT, M.S.

Assistant Registrar; Professor of Chemistry.

B.S. in Chem., M.S., University of Pennsylvania.

HARVEY ROSEN VANDERSLICE, A.M., PED.D.

Professor of Education.

A.B., Ursinus College; A.M., University of Pennsylvania; Ped.D., Ursinus College.

PAUL RAYMOND WAGNER, PH.D.

Professor of Biology.

B.S., Ursinus College; M.S., Ph.D., University of Pennsylvania.

CHARLES LYON CHANDLER, A.B., LL.D.

Professor of Political Science.

A.B., Harvard University; LL.D., University of Porto Alegre; LL.D., University of Bogota.

EVERETT MARTIN BAILEY, A.M.

Director of Athletics; Professor of Physical Education.

B.P.E., B.S., Springfield College; A.M., Columbia University.

JOHN JACOB HEILEMANN, PH.D.

Professor of Physics.

A.B., A.M., Ph.D., University of Pennsylvania.

The Faculty

17

CHARLES DAVID MATTERN, PH.D.

Professor of Philosophy.

B.S., Ursinus College; Ph.D., University of Pennsylvania.

EUGENE HERBERT MILLER, PH.D.

Professor of Political Science.

A.B., Ursinus College; A.M., Ph.D., Clark University.

WILLIAM FRANKLIN PHILIP, MUS. DOC.

Professor of Music.

Mus.B., Mus.M., Mus.Doc., State Academy of Church and School Music, Berlin.

GEORGE WARREN RICHARDS, A.M., D.D., TH.D.

Visiting Professor of Church History.

A.B., A.M., D.D., Franklin and Marshall College; Th.D., University of Heidelberg; D.Th., Edinburgh University.

CORNELIUS WEYGANDT, PH.D., LITT.D., LL.D.

Visiting Professor of English.

A.B., Ph.D., Litt.D., University of Pennsylvania; Litt.D., Franklin and Marshall College; LL.D., Susquehanna University.

ELEANOR FROST SNELL, A.M.

Associate Professor of Physical Education.

A.B., University of Nebraska; A.M., Columbia University.

FOSTER LEROY DENNIS, PH.D.

Associate Professor of Mathematics.

B.S., Ursinus College; A.M., Cornell University; Ph.D., University of Illinois.

JAMES ALLAN MINNICH, A.M.

Associate Professor of Education.

B.S., A.M., University of Pennsylvania.

ALFRED MILES WILCOX, A.M.

Associate Professor of French.

A.B., Wesleyan University; A.M., Brown University.

WILLIAM SPENCER CHILD, PH.D.

Associate Professor of English.

A.B., A.M., Ph.D., University of Pennsylvania.

GARFIELD SIEBER PANCOAST, A.M.

Dean of Men; Associate Professor of Political Science.

B.S., Ursinus College; A.M., University of Pennsylvania.

WILLIAM JOHN PHILLIPS, PH.D.

Registrar; Associate Professor of English.

A.B., A.M., Ph.D., University of Pennsylvania.

HELEN THOMPSON GARRETT, PH.D.

Associate Professor of French.

B.A., Swarthmore College; *Diplome*, University of Lille; Ph.D., University of Pennsylvania.

ALLAN LAKE RICE, PH.D.

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A.B., A.M., Ph.D., University of Pennsylvania.

WALTER BRENTON ROSS, M.A.

Associate Professor of History.

B.A., Dalhousie University; A.M., Harvard University; M.A., Oxford University.

CHARLES C. WALLICK, A.B., B.D.

Chaplain; Assistant Professor of Religion.

A.B., Ursinus College; B.D., Yale Divinity School.

RAYMOND VICTOR GURZYNSKI, M.ED.

Assistant Professor of Physical Education.

B.S., Ursinus College; M.Ed., Temple University.

KUHRT WIENEKE, M.S.

Assistant Professor of Physical Education.

A.B., Thiel College; B.P.E., Springfield College; M.S., Pennsylvania State College.

MARIBELLE WALDO, A.B.

Assistant Professor of Physical Education.

A.B., Colorado State College of Education.

ALFRED LEON CREAGER, B.S., B.D.

Lecturer in Philosophy.

B.S., Ursinus College; B.D., The Theological Seminary, Lancaster.

JESSIE ASHWORTH MILLER, PH.D.

Lecturer in Sociology.

A.B., University of Maine; A.M., Ph.D., Clark University.

MARIAN GERTRUDE SPANGLER, A.B.

Instructor in Music.

A.B., Ursinus College.

NATALIE AUSTIN HOGELAND WHITING, B.S.

Instructor in Physical Education.

B.S., Ursinus College.

ROGER POWELL STAIGER, M.S.

Instructor in Chemistry.

B.S., Ursinus College; M.S., University of Pennsylvania.

EVAN SAMUEL SNYDER, B.S.

Instructor in Physics.

B.S., Ursinus College.

The Faculty

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JAMES DOUGLAS DAVIS, A.M.

Instructor in History.

B.S., Ursinus College; A.M., University of Pennsylvania.

MARGARET JANE MCKINNEY MATLACK, B.S.

Instructor in Biology.

B.S., Ursinus College.

BLANCHE BEATRICE SCHULTZ, B.S.

Instructor in Mathematics.

B.S., Ursinus College.

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B.S., Franklin and Marshall College; M.S., Purdue University.

HOWARD LLOYD JONES, JR., A.M.

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B.A., University of Delaware; A.M., University of Pennsylvania.

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B.S., M.S., A.M., University of Pennsylvania.

CHARLES WILLIAM MATLACK, B.A.

Instructor in Spanish.

B.A., Haverford College.

WILLIAM THOMAS PARSONS, A.B.

Instructor in French.

A.B., Ursinus College.

JAMES SWOYER STRAUB, A.B.

Instructor in German.

A.B., Ursinus College.

HARRY CLAY SYMONS, B.A.

Instructor in Economics.

B.A., Pennsylvania State College.

MALCOLM CAMPBELL, B.A., LL.B.

Instructor in Political Science.

B.A., Swarthmore College; LL.B., Temple University.

GEORGE CARLETON ELSER, A.B.

Instructor in Spanish.

A.B., University of California at Los Angeles.

GERALD F. SEEDERS, B.S.

Assistant in Physical Education.

B.S., University of Pennsylvania.

OFFICERS OF THE FACULTY

Chairman THE PRESIDENT
Secretary PROFESSOR YOST

ACADEMIC COUNCIL

THE PRESIDENT		THE DEAN
PROFESSOR BONE	PROFESSOR YOST	PROFESSOR STURGIS

ADVISERS

Mathematics Group, Professor Manning
Chemistry-Biology-Physics Group, Professors Brownback, Sturgis, and Heilemann
History-Social Science Group, Professors Armstrong and Miller
English Group, Professor Yost
Foreign Languages Group, Professors Hartzell and Wilcox
Business Administration Group, Professor Boswell
Physical Education Group, Professor Vanderslice

COMMITTEES

Admission and Standing

THE PRESIDENT	PROFESSOR MILLER	PROFESSOR MANNING
DEAN CLAWSON	PROFESSOR PETTIT	PROFESSOR PHILLIPS

Library

THE PRESIDENT	THE LIBRARIAN	PROFESSOR YOST
PROFESSOR ARMSTRONG		PROFESSOR STURGIS

Scholarships

THE PRESIDENT	PROFESSOR MILLER	PROFESSOR MATTERN
DEAN CLAWSON	PROFESSOR PETTIT	PROFESSOR PHILLIPS

Discipline

DEAN PANCOAST	DEAN CLAWSON	THE REGISTRAR
DEAN STAHR	THE CHAPLAIN	PROFESSOR WAGNER
	PROFESSOR WILCOX	

Student Activities

PROFESSOR BROWNBACK	DEAN STAHR	PROFESSOR WALLICK
PROFESSOR BONE		DEAN PANCOAST

Student Publications

PROFESSOR MATTERN	PROFESSOR BROWNBACK	PROFESSOR PHILLIPS
PROFESSOR BONE	PROFESSOR CHILD	MR. JONES

Athletics

PROFESSOR BAILEY	PROFESSOR DENNIS
DEAN PANCOAST	PROFESSOR VANDERSLICE

Forum

PROFESSOR ARMSTRONG	PROFESSOR MILLER
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ADMISSION

The first step in seeking admission to Ursinus College is the filing of a formal application. A form for this purpose may be had by addressing the Registrar, Ursinus College, Collegeville, Pa. Upon receipt of this form properly filled out the College will send to the applicant's school principal or headmaster for the school record. Further inquiry is made as to the character and fitness of the candidate to do the work of the institution, and if found qualified the applicant is notified and a place reserved for him in the College. *Each new student remains on probation during his first semester.* Each candidate for admission must present a certificate of sound health on a form provided by the Registrar.

All candidates for admission to the Freshman Class must take the Scholastic Aptitude Test of the College Entrance Examination Board. If the Committee on Admission and Standing deem it advisable, candidates for admission may be required to take additional tests specified by the Committee, so that their fitness to do college work may be fairly evaluated. Scores made on these tests are used not only in selecting members of the Freshman Class but also in placing them in certain courses after selection. The Committee on Admission and Standing may in exceptional cases prescribe other tests than those of the College Entrance Examination Board.

Candidates for admission should place their application with the College not later than the close of the first term of the final year in high or preparatory school. Upon receipt of their full credentials (listed in the first paragraph above) they will be informed specifically of tests they must take to be considered for admission.

TERMS OF ADMISSION

If the applicant is a graduate of a four-year school, he should offer for admission at least fifteen units; if he is a graduate of a senior high school, he should offer at least twelve units.

The applicant should present the following units: English 3, Elementary Algebra, 1; Plane Geometry, 1; Science, 1; Social Studies, 1; Foreign Language, 2. On the standard four year basis for consideration two and one-half additional units in acceptable Mathematics, Science, Social Studies, or Foreign Language should be included. Additional elective units to a maximum of three and one-half may be accepted in the following subjects: Bookkeeping, Drawing, Geology, Physiography, Stenography, Junior Business Training, Music (prepared course), Commercial Law, and Commercial Geography. *Not more than one unit may be accepted in any single elective.* A candidate from a three year high school may not present a total of more than one unit of electives.

Candidates whose preparation does not precisely coincide with the foregoing outline may in exceptional cases be admitted to the College if, in the judgment of the Committee on Admissions, they are qualified to do satisfactory college work.

A limited number of applicants for admission may be received as *Special Students*, provided they have satisfactory preparation for the college courses which they desire to pursue.

When admitted, special students are enrolled as members of the groups they choose to enter and are under the direction of the regular advisers. Special students must register for at least twelve hours of work in each semester, and are held accountable for the satisfactory completion of courses for which they register. They are subject to the same regulations as other students.

ADMISSION TO ADVANCED STANDING

Applications for admission to advanced standing should be made to the Registrar of the College. The applicant should request the institution last attended to send to the Registrar a transcript of the student's record accepted for admission, a transcript of his record there, and a certificate of honorable dismissal.

Not more than sixty semester hours of work taken at another institution will be credited to students who transfer to Ursinus College.

PROGRAMS IN SPECIAL FIELDS

Ursinus is a college of liberal arts and sciences. This means that Ursinus emphasizes a broad, general education for all regardless of the particular career for which a student plans to prepare. In addition, it is possible at Ursinus to prepare for specific careers in the fields listed below. A placement service maintained by the College assists the student in locating a position in the field of his choice.

BUSINESS—Graduates in the Business Administration Group find employment as accountants, secretaries, junior executives, sales-managers, and the like. They are employed by many types of industrial concerns, banking institutions, public utilities, transportation companies, department stores, chain stores, etc. By electing Spanish, it is possible for students majoring in business to prepare for the growing opportunities in South American trade.

CHEMICAL RESEARCH: INDUSTRIAL CHEMISTRY—The Chemistry-Biology Group provides opportunities for students desiring to major in Chemistry with a view to devoting their lives to some type of chemical research. Graduates find employment with large chemical companies doing pioneer work in the field of chemical investigation and research.

DENTISTRY—The Council on Dental Education of the American Dental Association fixes as the minimum basis for admission to an approved dental school the successful completion of two full years of academic work in an accredited college of liberal arts and science. This college work must include courses in English, biology, physics, inorganic and organic chemistry.

EDUCATIONAL ADMINISTRATION—Basic courses in education are provided which are pre-requisite to the professional courses in educational administration offered in graduate schools of education of leading universities.

FOREIGN SERVICE—The American Foreign Service presents attractive opportunities to a limited number of young people who are willing to prepare themselves adequately for service abroad. The History-Social Science course, together with offerings available in the modern languages, provides preparation for the examinations required of applicants for positions in foreign service. Upon graduation students are urged to pursue additional work at a recognized graduate school.

GRADUATE STUDY—One purpose of the curriculum of the modern liberal arts college is to prepare students for advanced study in various fields of knowledge. Preliminary study is done by the student at the undergraduate level in his chosen major field. Those intending to enter graduate schools should have a thorough grounding in their chosen field. As a reading knowledge of French and German is essential for most higher degrees, this knowledge should be acquired in the undergraduate school.

HEALTH AND PHYSICAL EDUCATION—By following the program outlined in the following pages it is possible to specialize in health and physical education and at the same time obtain a general cultural education. Health and physical education graduates meet the requirements for certification to teach in this field in Pennsylvania and other states.

JOURNALISM—A student interested in journalism should enroll in the History-Social Science or the English group and elect widely in other fields. Following graduation from college a year at a professional school of journalism is recommended.

LABORATORY TECHNICIAN—It is possible to arrange for either a two-year or a four-year course of preparatory work, although the latter is strongly recommended as the preferred training.

LAW—As a general rule leading law schools require a baccalaureate degree as one of the conditions for acceptance of candidates. A broad, cultural education is considered the best preparation for legal study. Courses which emphasize reasoning are especially valuable.

MEDICINE—The Chemistry-Biology Group is designed to prepare students who are interested in the various aspects of medicine. Preparation for schools of osteopathy and of veterinary medicine, as well as for the regular medical schools, is provided.

MUSIC—No major in music is offered. The work in music available at Ursinus is designed primarily for the cultural value of the student, rather than for his professional advancement. Those who wish to follow music as a career should plan to attend graduate school after completing their work at Ursinus.

PHYSICAL RESEARCH—A special curriculum in connection with the Chemistry-Biology-Physics Group is offered to students interested in physics as a career.

TEACHING—Work in education as required by many of the state departments of Education, including practice teaching, is offered to those who plan a career in education. Teacher preparation is limited to the secondary school field. Students follow curricula under the guidance of group advisers.

THEOLOGY—Most leading theological schools have as a requirement for consideration for admission a degree of A.B. Students who are preparing for the Ministry should plan a broad course of study which will include history, languages, and literature, although specific subjects are not ordinarily specified by seminaries as necessary for admission. The History-Social Science or the English Group is usually recommended to students preparing for the Ministry.

ACCELERATION OF COURSE

The College year at present consists of two terms of sixteen weeks each and a Summer Term of eight weeks. Students are admitted to the College at the beginning of each term. Students who wish to do so may accelerate their college courses by attending the Summer Term as well as the Fall and Spring Terms. The Summer Term has been arranged primarily for the accommodation of Veterans but is available for all students who wish to take advantage of it.

REGISTRATION

All students must register at the beginning of the Fall Term for the work of the Fall and Spring Terms, and will not be allowed to change their registration or drop courses of study later than one week after Registration Day except by special permission of the Faculty. A fee of One Dollar is charged for registration on days other than those appointed for the registration of students in the College Calendar.

ABSENCES

If a student is absent from class on account of exigencies such as illness, the death of a relative, or duty away from the College as a representative of the institution, the student should obtain a written statement from his doctor, from the College nurse, or from the athletic director, adviser of debating or other College officer certifying the reason for absence on a definite date or dates. In special cases the Dean may give students such a statement, and statements from persons other than college officials will be accepted if initialed by the Dean. Such statements are to be shown to the instructor of each course missed (and with regard to Chapel to the Dean of Men) no later than a week after returning to class. The instructor will record the absence as *excused*. A student is allowed during a term two *unexcused* absences in any course.

If the total number of absences, excused and unexcused, exceeds twice the number of exercises per week in that course, the student in question may be dropped from the course by the Dean and the instructor in charge in consultation with the Adviser. If he is allowed to continue, he must make up the work missed. If he is dropped, he will be given a grade of F or W.

If the allowed number of *unexcused* absences is exceeded, the student in question must secure a permit from the Dean in order to take the final examination, for which he will be charged a fee of five dollars.

A third-year or a fourth-year student is permitted absences if during the preceding term he has received no grade lower than B and at least one A.

A student who absents himself from a test previously announced must take a special test, for which he must pay a fee of One Dollar. Permits for such tests must be obtained at the Dean's office.

GROUP ADVISERS

At the beginning of the year the Faculty appoints from its own number an Adviser for the students in each of the seven Groups in which the courses of instruction are offered. The Group Adviser is the medium of communication between the Faculty and the students of his group. The approval of the Group Adviser is necessary before a student may register for or enter upon any course of study, or discontinue any work.

PUBLIC WORSHIP

Students are required to attend religious services in the College chapel each day of recitation, except Saturdays. Students may not be absent from chapel services more than five times in a semester without valid excuse. The Faculty may make attendance voluntary for upper-class students if seating accommodations are inadequate.

Students are expected to attend services on Sunday in the church of their own or their parents' choice.

COLLEGE PRINCIPLES

The College is committed both in principle and by tradition to a policy which opposes unnatural distinctions among its students. Equal opportunity for all is provided and a wholesome spirit of fraternity throughout the entire body is encouraged. A system of student government for young men, with powers inhering in a central representative body known as the Council, maintains order and encourages self-control in social and civil affairs. The life of the young women also is regulated through a system of self-government administered by the women students of the College. The aim of the institution is to train its students, through the performance of their social and civil obligations and duties, in those virtues which will fit them for the extraordinary responsibilities of educated men and women in after life. With this in view, the College reserves the right to exclude at any time students whose conduct or academic standing renders them undesirable members of the college community, and in such cases the fees due or paid in advance to the College will not be refunded in whole or in part.

DOMESTIC LIFE

The College aims to provide thoroughly healthful, wholesome, and homelike conditions in the residences for both young men and young women. The boarding department is made an educational asset in the institution. All resident students take their meals in the College dining-rooms.

CURRICULUM

THE GROUPS

The group system is employed in the organization and administration of instruction. By this system, the courses of instruction are offered in carefully arranged groups, each comprising (1) dominant subjects which adapt the group to the intellectual tastes and the future purposes of the student, (2) other prescribed subjects essential to a liberal education and required of all students, and (3) elective subjects from which may be selected studies meeting the particular objectives of each individual. A student, at matriculation, chooses the group of studies he desires to pursue, and with the advice and consent of his adviser, selects his studies for the year and reports the same to the Dean on a blank provided for the purpose. By virtue of this act he becomes a member of the group of his choice and as such is officially recognized thereafter in all acts and processes of administration in the College. A student who is uncertain on entering college as to his future plans and, therefore, undecided as to the group of studies he should pursue, may make a temporary choice and change to any group he may prefer at the end of the first year.

CHOICE OF STUDIES

In registering, the student must present his complete list of studies, both prescribed and elective, *for the whole year*.

Courses to satisfy conditions take precedence over regular courses. It is strongly advised that conditions be made up in summer so as not to interfere with the proper arrangement of one's curriculum.

In selecting studies for the year, the student will follow the synopsis of his group as presented although, with the approval of his adviser and of the Dean, he may substitute other studies for the elective courses listed, or at the beginning of a year may change from one group to another.

Courses prescribed as degree or group requirements must take precedence over and be scheduled before elective courses.

When a student changes to another group, he will receive credit toward graduation only for those prescribed courses which he may have completed that are included in the group to which he has received permission to change.

THE COMPREHENSIVE EXAMINATION

The several courses constituting a group major are presented as a single unified project. The student is led to pursue each course with regard to the courses that follow, to study with a view to mastery and permanence, and to build from semester to semester an ever-increasing, coherent body of knowledge. As an aid the student is given a syllabus presenting in logical order the subjects embodied in his major field of study. Included in the syllabus are lists of required readings and suggestions for study. The use of the syllabus is supplemented by conferences with the professor under whom the subject is being pursued. The student's work throughout is carried forward under the supervision of the group adviser.

As a test and measure of success attained, a comprehensive examination covering the student's entire major field of study is given each candidate for graduation toward the end of the senior year. The examination consists of several parts given separately on different days. Wherever feasible, it is set by at least two persons and is graded independently by at least two persons. Outside examiners may be employed to set and grade all or part of the examination at the option of the group. A minimum grade of C is necessary to pass the examination. In determining the student's final standing in his class, the grade made in the comprehensive examination is given a weight of three-tenths, and the grades made in the semester examinations through the four years are given a weight of seven-tenths. A candidate who fails may take any succeeding, regularly offered comprehensive examination in his major field. Passing of the examination is a requirement for graduation.

The Comprehensive Examination is designed to test the accomplishment of the following ends: (1) the attainment of a certain standard of knowledge in the student's major field of study, (2) the integration of the student's work in his major field and in allied subjects, (3) the conservation of his knowledge through sustained interest from course to course and from year to year, (4) the student's assumption of responsibility for four years of planned effort toward a definite goal.

Comprehensive examinations are discontinued for the present.

REQUIREMENTS FOR GRADUATION

For students entering in July, 1948 and thereafter, a new curriculum has been established. The description of this curriculum and its requirements will be found on pp. 40-41.

For the degree of Bachelor of Arts or Bachelor of Science, a student must complete *one hundred and twenty-four semester hours* of work. A student may not take in any one term less than twelve semester hours of work. The normal maximum for one term is sixteen semester hours. Two semester hours above the normal maximum may be scheduled with the approval of the Group Adviser, provided the student's average for the preceding term is eighty or higher. Three semester hours above the normal maximum may be scheduled with the approval of the Group Adviser, provided the student's average for the preceding term is eighty-five or higher.

With the permission of the Dean, a student in the Physical Education Group may take each term two semester hours more than the maximum set for the other groups.

In arranging his curriculum, every regular student must meet the following requirements:

1. Six semester hours of English composition and literature (Course 1-2).

2. (a) Six semester hours of the modern language offered for admission, provided the student passes a satisfactory achievement test at matriculation; or (b) twelve semester hours of the modern language offered for admission, if the student has not passed a satisfactory achievement test at matriculation; or (c) twelve semester hours of a modern language begun in college.

3. Six semester hours of history (Course 1-2).

4. Three semester hours of psychology (Psychology 1 or 2).

5. Three semester hours of philosophy.

6. Six semester hours of science with laboratory work.

7. Satisfactory completion of Course 101-2 in Physical Education in the first year (not required of students in the Physical Education Group).

Of the groups outlined in the following pages, the History-Social Science, the English, the Foreign Languages, and the Business Administration Groups lead to the degree of *Bachelor of Arts*. The Mathematics, the Chemistry-Biology-Physics, and the Health and Physical Education Groups lead to the degree of *Bachelor of Science*.

In the following pages the prescribed courses in each Group are printed in small capitals. Each course is numbered and is described in pages 42 to 77. A course with an odd number is normally given in the Winter Term; a course with an even number is normally given in the Spring Term. Numbers in parentheses indicate semester hours.

The student, after scheduling the prescribed courses for the year, may, with the advice and permission of his Group adviser, add elective courses for which he has proper preparation. The normal maximum for a term is sixteen semester hours. (See page 31.)

THE MATHEMATICS GROUP

First Year

MATHEMATICS 5, 6	(6)
MATHEMATICS 1a, 2a	(6)
ENGLISH COMP. 1-2	(6)
MODERN LANGUAGE	(6)
HISTORY 1-2	(6)
PHYSICAL ED. 101-2	
Biology 2	(3)
English Lit. 17, 18	(2)
Foreign Language	(6)
Music 1-2; 13-14	(4)
Religion 1, 2	(3)

Second Year

MATHEMATICS 3-4	(6)
PHYSICS 1-2	(8)
Biology 3-4	(6)
Chemistry 1-2	(6)
Education 2	(3)
English Comp. 5, 6	(6)
English Lit.	
3-4; 15, 16; 17, 18	(4)
French 7-8; 9-10	(4)
German 3, 4	(6)
Political Science 1-2	(6)
Psychology 1 or 2	(3)
Religion 1, 2	(3)
Spanish 3-4	(6)

Third Year

MATHEMATICS 7-8 or	(6)
MATHEMATICS 9, 10	(6)
MATHEMATICS 19, 20	(2)
PSYCHOLOGY 1 or 2	(3)
Biology 3-4	(6)
Biology 11-12	(4)
Chemistry 3-4	(6)
Economics 3-4	(6)
Education 7, 3, 4	(3)
English Comp. (any course)	
English Lit. (any course)	
French 7-8; 9-10	(4)
German 9, 10; 11-12	(4)
History 5, 6; 7-8; 9-10	(6)
Mathematics 13-14; 24	(4)
Music 13-14; 5-6	(4)
Physics 3, 4; 5; 6	(4)
Political Science 3,4;5,6;7,8	(6)
Public Speaking 3-4	(4)
Religion (any course)	(3)
Sociology 1-2	(6)
Spanish 5, 6; 7, 8	(4)

Fourth Year

MATHEMATICS	(6)
PHILOSOPHY (any course)	(3)
Biology 11-12	(4)
Education 5	(8)
Education 10	(3)
English Comp. (any course)	
English Lit. (any course)	
French 7-8; 9-10	(4)
German 9, 10; 11-12	(4)
History 5, 6; 7-8; 9-10	(6)
Mathematics 15-16; 24	(4)
Music 13-14; 5-6	(4)
Philosophy (any course)	
Physics 7-8	(6)
Political Science 5, 6, 7, 8	(6)
Public Speaking 3-4	(4)
Religion (any course)	
Sociology 1-2	(6)
Spanish 5, 6; 7, 8	(4)

*THE CHEMISTRY-BIOLOGY-PHYSICS GROUP

<i>First Year</i>		<i>Second Year</i>	
BIOLOGY 3-4 <i>or</i>	(6)	CHEMISTRY 1-2 and 14 <i>or</i>	(8)
CHEMISTRY 1-2 and 14	(8)	BIOLOGY 3-4 <i>or</i>	(6)
ENGLISH COMP. 1-2	(6)	CHEMISTRY 3-4 <i>or</i>	(6)
MODERN LANGUAGE	(6)	MATHEMATICS 3-4	(6)
MATHEMATICS 1a, 2a	(6)	HISTORY 1-2	(6)
PHYSICAL ED. 101-2		PHYSICS 1-2	(8)
Biology 2	(3)	Education 2	(3)
English Lit. 17, 18	(2)	English Comp. 5, 6	(6)
Foreign Language	(6)	English Lit.	
History 1-2	(6)	3-4; 15, 16; 17, 18	(4)
Music 1-2; 13-14	(4)	French 7-8; 9-10	(4)
Religion 1, 2	(3)	German 3, 4	(6)
		Music 1-2; 13-14	(4)
		Political Science 1-2	(6)
		Psychology 1 <i>or</i> 2	(3)
		Religion 1, 2	(3)
		Spanish 3-4	(6)
<i>Third Year</i>		<i>Fourth Year</i>	
BIOLOGY 9-10 <i>or</i>	(8)	CHEMISTRY 7-8 <i>or</i> 9-10 <i>or</i>	
CHEMISTRY 3-4 <i>or</i> 5-6	(6)	BIOLOGY 9-10	(8)
PSYCHOLOGY 1 <i>or</i> 2	(3)	PHILOSOPHY (any course)	(3)
Biology 6	(3)	Biology 6	(3)
Biology 11-12	(4)	Biology 11-12	(4)
Chemistry 16	(3)	Biology 15-16	(8)
Economics 3-4	(6)	Education 5	(8)
Education 7, 3, 4, 12	(3)	Education 10	(3)
English Comp. (any course)		English Comp. (any course)	
English Lit. (any course)		English Lit. (any course)	
French 7-8; 9-10	(4)	French 7-8; 9-10	(4)
German 9, 10; 11-12	(4)	German 9, 10; 11-12	(4)
History		History	
9-10; 13-14; 23-24	(6)	9-10; 13-14; 21-22	(6)
Music 13-14	(4)	Philosophy (any course)	
Philosophy (any course)	(3)	Physics 5	(4)
Physics 1-2	(8)	Physics 7-8	(6)
Physics 3; 4, 5	(4)	Political Science 5, 6; 7, 8	(6)
Political Science 3, 4; 5, 6	(6)	Religion (any course)	(3)
Public Speaking 3-4	(4)	Sociology 1-2	(6)
Religion (any course)	(3)		
Sociology 1, 2	(6)		
Spanish 7, 8	(4)		

* A student may major in Physics by completing at least 22 semester hours of Physics, provided that he complete also Chemistry 1-2 and 14 the First Year; Chemistry 3-4 or 5-6 or 7-8 the Second Year; and Biology 3-4 the Third Year.

THE HISTORY-SOCIAL SCIENCE GROUP

First Year

HISTORY 1-2	(6)
ENGLISH COMP. 1-2	(6)
MODERN LANGUAGE	(6)
LATIN 1-2 <i>or</i>	
MATHEMATICS 1-2*	(6)
PHYSICAL ED. 101-2	
Biology 2	(3)
English Lit. 17, 18	(2)
Foreign Language	(6)
Mathematics 3-4	(6)
Music 13-14	(4)
Religion 1, 2	(6)

Second Year

POLITICAL SCIENCE 1-2	(6)
ECONOMICS 3-4	(6)
HISTORY 5, 6	(6)
Biology 3-4	(6)
Biology 6	(3)
Chemistry 1-2	(6)
Education 1, 2	(3)
English Comp. 5, 6	(6)
English Lit.	
3-4; 15, 16; 17, 18	(4)
Foreign Language	(6)
History 15, 16	(2)
Psychology 1 <i>or</i> 2	(3)
Religion 1, 2	(6)

Third Year

HISTORY 9-10	(6)
POLITICAL SCIENCE 3, 4; 5, 6	(6)
PSYCHOLOGY 1 <i>or</i> 2	(3)
SOCIOLOGY 1-2	(6)
Biology 11-12	(4)
Economics 5, 6; 7, 8	(3)
Education 7, 3, 4, 22	(3)
English Comp. (any course)	
English Lit. (any course)	
Foreign Language	(4)
History (any course)	
Mathematics 13-14	(4)
Music 13-14; 5-6	(4)
Philosophy (any course)	(3)
Political Science (any course)	(6)
Public Speaking 3-4	(4)
Religion (any course)	(3)

Fourth Year

HISTORY (any course) <i>or</i>	
POLITICAL SCIENCE (any course)	(6)
PHILOSOPHY (any course)	(3)
Biology 6	(3)
Biology 11-12	(4)
Economics 6; 7, 8	(3)
Education 5	(8)
English Comp. (any course)	
English Lit. (any course)	
Mathematics 13-14	(4)
Philosophy (any course)	
Public Speaking 3-4	(4)
Religion (any course)	(3)

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THE ENGLISH GROUP

<i>First Year</i>		<i>Second Year</i>	
ENGLISH COMP. 1-2	(6)	ENGLISH LIT. 3-4	(4)
MODERN LANGUAGE	(6)	ENGLISH LIT. 11-12	(4)
LATIN 1, 2 <i>or</i>			
MATHEMATICS 1, 2*	(6)	Biology 3-4	(6)
HISTORY 1-2	(6)	Biology 6	(3)
PHYSICAL ED. 101-2		Chemistry 1-2	(6)
		Education 2	(3)
Biology 2	(3)	English Comp. 5, 6	(6)
English Lit. 17, 18	(2)	English Lit. 15, 16; 17, 18	(4)
Foreign Language	(6)	French 3-4	(6)
Mathematics 3-4	(6)	German 9, 10	(4)
Music 1-2; 13-14	(4)	Political Science 1-2	(6)
Religion 1, 2	(3)	Psychology 1 <i>or</i> 2	(3)
		Religion 1, 2	(3)
		Spanish 3-4	(6)
 <i>Third Year</i>		 <i>Fourth Year</i>	
ENGLISH LIT. 7, 8	(6)	ENGLISH LIT. 7, 8	(6)
ENGLISH LIT. 9, 10	(6)	ENGLISH LIT. 9, 10	(6)
PSYCHOLOGY 1 <i>or</i> 2	(3)	PHILOSOPHY (any course)	(3)
Biology 3-4	(6)	Biology 11-12	(4)
Biology 11-12	(4)	Education 5	(8)
Chemistry 1-2	(6)	Education 10	(3)
Education 7, 3, 4	(3)	English Comp. (any course)	
Economics 3-4	(6)	English Lit. (any course)	
English Comp. (any course)		French 9-10	(4)
English Lit. (any course)		German 9-10; 11-12	(4)
French 7-8; 9-10	(4)	History (any course)	
German 9, 10; 11-12	(4)	Mathematics 15-16	(4)
History (any course)		Philosophy (any course)	
Philosophy (any course)	(3)	Political Science 5, 6; 7, 8	(6)
Political Science 3, 4; 5, 6	(6)	Religion (any course)	(3)
Political Science 10	(3)	Sociology 1-2	(6)
Public Speaking 3-4	(4)		
Religion (any course)	(3)		
Sociology 1-2	(6)		
Spanish 5, 6; 7, 8	(4)		

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THE FOREIGN LANGUAGES GROUP

<i>First Year</i>		<i>Second Year</i>	
FRENCH 1-2 <i>or</i> 3-4 <i>or</i>		FRENCH 3-4 <i>or</i>	(6)
GERMAN 1-2 <i>or</i> 3-4 <i>or</i>		FRENCH 7-8	(4)
SPANISH 1-2 <i>or</i> 3-4	(6)	GERMAN 3-4 <i>or</i> 5, 6 <i>or</i>	(6)
ENGLISH COMP. 1-2	(6)	SPANISH 3-4 <i>or</i>	(6)
HISTORY 1-2	(6)	SPANISH 5, 6; 7, 8	(4)
LATIN 1, 2 <i>or</i>		Biology 3-4	(6)
MATHEMATICS 1, 2*	(6)	Biology 6	(3)
PHYSICAL ED. 101-2		Chemistry 1-2	(6)
Biology 2	(3)	Education 2	(3)
English Lit. 15, 16; 17, 18	(2)	English Comp. 5, 6	(6)
Mathematics 5, 6	(6)	English Lit.	
Music 1-2; 13-14	(4)	3-4; 15, 16; 17, 18	(4)
Religion 1, 2	(3)	Political Science 1-2	(6)
		Psychology 1 <i>or</i> 2	(3)
		Religion 1, 2	(3)
<i>Third Year</i>		<i>Fourth Year</i>	
GERMAN 5, 6 <i>or</i>	(6)	FRENCH 13, 14; 7-8; 9-10	(4)
GERMAN 9, 10	(4)	GERMAN 7, 8 <i>or</i>	
FRENCH 7-8 <i>or</i> 9-10 <i>or</i>	(4)	SPANISH 7-8	(4)
SPANISH 5, 6 <i>or</i> 7-8	(4)	PHILOSOPHY (any course)	(3)
PSYCHOLOGY 1 <i>or</i> 2	(3)	Education 5	(8)
Economics 3-4	(6)	Education 10	(3)
Education 7, 3, 4	(3)	English Comp. (any course)	
English Comp. (any course)		English Lit. (any course)	
English Lit. (any course)		French 21, 22	(3)
German 11-12	(4)	German 9, 10; 11-12	(4)
History (any course)		German 21	(3)
Music 3-4; 7-8; 13-14	(4)	History (any course)	
Political Science		Philosophy (any course)	
3, 4 <i>or</i> 5, 6	(6)	Political Science 5, 6; 7, 8	(6)
Philosophy (any course)	(3)	Religion (any course)	(3)
Public Speaking 3-4	(4)	Sociology 1-2	• (6)
Religion (any course)	(3)		
Sociology 1-2	(6)		

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THE BUSINESS ADMINISTRATION GROUP

<i>First Year</i>		<i>Second Year</i>	
ENGLISH COMP. 1-2	(6)	ECONOMICS 3-4	(6)
HISTORY 1-2	(6)	POLITICAL SCIENCE 1-2	(6)
MODERN LANGUAGE	(6)	Biology 3-4	(6)
LATIN 1, 2 <i>or</i>		Biology 6	(3)
MATHEMATICS 1, 2*	(6)	Chemistry 1-2	(6)
PHYSICAL ED. 101-2		Education 2	(3)
Biology 2	(3)	English Comp. 5, 6	(6)
English Lit. 15, 16; 17, 18	(2)	English Lit.	
Foreign Language	(6)	3-4; 15, 16; 17, 18	(4)
Mathematics 3-4	(6)	French 3-4 <i>or</i>	
Music 1-2; 13-14	(4)	German 5, 6 <i>or</i>	
Religion 1, 2	(3)	Spanish 3-4	(6)
		Mathematics 3-4	(6)
		Psychology 1 <i>or</i> 2	(3)
		Religion 1, 2	(3)
<i>Third Year</i>		<i>Fourth Year</i>	
ECONOMICS	(6)	ECONOMICS	(3)
POLITICAL SCIENCE		PHILOSOPHY (any course)	(3)
3, 4 <i>or</i> 5, 6	(6)	Economics 13	(3)
PSYCHOLOGY 1 <i>or</i> 2	(3)	Education 5	(8)
Economics 13	(3)	Education 10	(3)
Economics 15	(3)	English Comp. (any course)	
Education 7, 3, 4	(3)	English Lit. (any course)	
English Comp. (any course)	(6)	History (any course)	
English Lit. (any course)		Mathematics 13-14	(4)
History (any course)		Philosophy (any course)	
Mathematics 13-14	(4)	Political Science 5, 6;	
Music 5-6; 13-14	(4)	7, 8; 10	(6)
Philosophy (any course)	(3)	Public Speaking 3-4	(4)
Political Science 7, 8	(6)	Religion (any course)	(3)
Public Speaking 3-4	(4)	Sociology 1-2	(6)
Religion (any course)	(3)		
Sociology 1-2	(6)		
Spanish 5, 6; 7, 8	(4)		

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THE HEALTH AND PHYSICAL EDUCATION GROUP

First Year

BIOLOGY 2	(3)
BIOLOGY 3	(3)
ENGLISH COMP. 1-2	(6)
MODERN LANGUAGE	(6)
MATHEMATICS 1-2*	(6)
PHYSICAL ED. 1	(2)
PHYSICAL ED. 2	(2)
PHYSICAL ED. 201, 2	(4)
Elective	(4)

Second Year

CHEMISTRY 1-2	(6)
EDUCATION 2	(3)
HISTORY 1-2	(6)
PHYSICAL ED. 3	(3)
PHYSICAL ED. 14	(2)
PHYSICAL ED. 16	(1)
PHYSICAL ED. 203, 4	(4)
PSYCHOLOGY 2	(3)
Elective	(8)

Third Year

BIOLOGY 17-18	(4)
EDUCATION 7, 3, 4	(3)
HISTORY 20	(3)
PHYSICAL ED. 5	(2)
PHYSICAL ED. 6	(2)
PHYSICAL ED. 7, 8	(4)
PHYSICAL ED. 17	(1)
PHYSICAL ED. 205, 6	(4)
SOCIOLOGY 1	(3)
Elective	(4)

Fourth Year

EDUCATION 5	(8)
PHILOSOPHY (any course)	(3)
PHYSICAL ED. 9	(3)
PHYSICAL ED. 10	(3)
PHYSICAL ED. 19	(2)
PHYSICAL ED. 20	(3)
PHYSICAL ED. 22	(2)
PHYSICAL ED. 207, 8	(4)
Elective	(8)

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NEW REQUIREMENTS FOR GRADUATION

For students entering in July, 1948 and thereafter, the requirement for the degree of Bachelor of Arts or Bachelor of Science is the completion of one hundred and twenty semester hours of work, within which must be included all the courses required by the Faculty of all students for graduation and the courses required by the Group to which the student belongs. At least sixty semester hours of this work must have been taken at Ursinus College, and this must include the work of the senior year.

A student may not take in any one term less than twelve semester hours of work. The normal maximum for a term is five courses or fifteen semester hours. Two semester hours above the normal maximum may be scheduled with the approval of the Group Adviser, provided the student's average for the preceding term is eighty or higher. Three semester hours above the normal maximum may be scheduled with the approval of the Group Adviser, provided the student's average for the preceding term is eighty-five or higher.

With the permission of the Dean, a student in the Physical Education Group may take in each term two semester hours more than the maximum set for the other groups.

The courses required of all students for graduation are the following:

In the first year

English Composition 1-2

History 1-2

Foreign Languages 1-2 or 3-4

Biology 3-4, Chemistry 1-2, or Physics 1-2 (if prerequisites are satisfied)

Physical Education 101-2

(No semester hour credit. Not required of students in the Physical Education Group)

The remaining first year course is to be selected from Mathematics 1-2, Mathematics 1a-2a, a second foreign language, English Literature 17, 18, Economics 3-4, Political Science 1-2, or Religion 1, 2. This course may be prescribed under Group requirements. History 1-2 or the Science course may be postponed until the second year if Group requirements make it necessary.

In the second year

English Literature 3-4, *or* 17, 18, *or* 19-20

English Composition 3-4

Foreign Languages 3-4, if not previously completed

In the third year

Economics 3-4, if not previously completed, *or*

Political Science 1-2, if not previously completed

In the second or third year—Psychology 1 or 2

In the second, third, or fourth year—Philosophy (a one semester course)

The work of every student is composed of three parts. The first part consists of the courses just named, which are required of all students, and which are, in the judgment of the Faculty, essential to a liberal education. The second part consists of the courses required by the Group to which the student belongs for the major subject in which he is concentrating. Within the seven Groups there are thirteen major subjects offered—Biology, Chemistry, Economics and Business Administration, Classical Languages, English, French, German, History, Mathematics, Physical Education, Physics, Political Science, and Spanish. The requirements for a major in each of these subjects will be found listed under the several Departments in the Courses of Instruction. The third part consists of the courses the student elects of those offered for which he is eligible. These courses are a means of further individualizing the course of study for each student and of fitting it to his needs and desires.

COURSES OF INSTRUCTION

In designating courses of study, *odd* numerals are employed to represent the work of the Fall Term and *even* numerals the work of the Spring Term. Exceptions to this regulation are noted. Summer Term offerings are not announced in this catalogue, but so far as possible, courses will be offered to meet the needs of students who register for the Summer Term. When a single numeral is employed, the work represented constitutes a term's course. When two numerals are employed, the work represented constitutes what is normally regarded as the work of two consecutive terms. When the numerals are connected by a hyphen, the course may be entered only at the beginning of the course. When the numerals are separated by a comma, the second part of the course may be entered even though the student has not had the first part of the course.

The credit value of each course, expressed in semester hours, is printed in italics. The hours per week are given in the definition of the course.

BIOLOGY

PROFESSOR BROWNBAC, PROFESSOR WAGNER, ASSOCIATE PROFESSOR
SNELL, ASSISTANT PROFESSOR GURZYNSKI, MRS. MATLACK

Students majoring in Biology must take the following courses: Biology 3-4; 6; 7-8; 9-10; 11-12; 17-18; Physics 1-2; Chemistry 1-2; Mathematics 1, 2 or 1a, 2a.

Students majoring in Biology who are preparing to teach in secondary schools may substitute courses in Education for the following courses: Biology 9-10; 17-18.

1, 2. PERSONAL AND COMMUNITY HYGIENE. Study of the structure and physiology of systems in relation to personal hygiene; study of the problems of community hygiene. Lectures, papers, and discussions. Three hours per week. *Three semester hours.* Dr. Wagner, Miss Snell, Mr. Gurzynski.

Course 1 is for men, Course 2 for women. Elective for first-year students in all groups. Course 1 is given in both terms.

3-4. GENERAL BIOLOGY. A survey of the biological facts and problems of the plant and animal kingdom. The first semester is devoted to the study of zoölogy, the second to botany. In both semesters correlated laboratory and lecture work is definitely planned. Two hours of lecture and three hours of laboratory work. *Six semester hours.* Dr. Wagner.

6. **ADVANCED BOTANY.** A course designed to acquaint the student with a more detailed study of the plant groups, stressing in particular the principles of taxonomy and ecology. Lectures and discussions followed by field and laboratory work. Prerequisite, Course 3-4. *Three semester hours.* Dr. Wagner.

Course 6 is required for students who intend to apply for certification as teachers of biology in Pennsylvania.

7-8. **VERTEBRATE ANATOMY.** The comparative anatomy and relationships of the chordates. Prerequisite, Course 3-4. One hour of lecture and six hours of laboratory work. *Eight semester hours.* Dr. Brownback, Mrs. Matlack.

Courses 7-8 and 9-10 alternate. Course 9-10 will be given in 1949-50.

9-10. **HISTOLOGY AND EMBRYOLOGY.** A course in the preparation and study of tissues and in the embryology of the chick. Prerequisite, Course 3-4. One hour of lecture and six hours of laboratory work. *Eight semester hours.* Dr. Brownback, Mrs. Matlack.

11-12. **HEREDITY.** Designed to familiarize the student with the recent work in heredity and its social applications. Open to students who have had no biological training. Lectures, papers, and discussions. Two hours per week. *Four semester hours.* Dr. Brownback

Course 11-12 is open to third-year and fourth-year students in all groups.

15-16. **GENERAL PHYSIOLOGY.** The study of the physical, chemical, and physio-chemical processes taking place in living matter. Prerequisite, Courses 3-4, 7-8 or 9-10 and Chemistry 1-2. Chemistry 7-8 is not a prerequisite but is recommended as preparation. Opportunity is given for students to investigate assigned problems at times other than regular hours. One hour of lecture and six hours of laboratory work. *Eight semester hours.* Dr. Brownback, Mrs. Matlack.

17-18. **ANATOMY AND PHYSIOLOGY.** The human skeleton; muscular, respiratory, and circulatory systems; the internal organs; the special senses; all considered with reference to structure and function; secretion, absorption, and elimination. Models, charts, and parts of the human cadaver. Three hours per week. *Four semester hours.* Dr. Brownback, Mrs. Matlack.

Course 17-18 is prescribed for students in the Physical Education Group.

CHEMISTRY

PROFESSOR STURGIS, PROFESSOR PETTIT, MR. STAIGER

Students majoring in Chemistry must take the following courses: Chemistry 1-2, 14; 3-4; 5-6; 7-8; 9-10; Mathematics 1a, 2a; 3-4; Physics 1-2; Biology 3-4.

Students majoring in Chemistry who are preparing to teach in secondary schools may substitute courses in Education for the following courses: Chemistry 3-4; 5-6; 9-10.

1-2. GENERAL CHEMISTRY. The facts, theories, and laws of the chemistry of the commoner elements, their industrial uses, and their physiological and nutritional applications. Two hours of lecture and three hours of laboratory work. *Six semester hours.* Mr. Pettit, Mr. Staiger.

14. INORGANIC CHEMISTRY. A more detailed study of the theories and principles of chemistry accompanied by work in the solution of chemical problems. This course is to be pursued concurrently with Chemistry 2. Prerequisite, Chemistry 1. Two hours of lecture. *Two semester hours.* Mr. Staiger.

3-4. QUALITATIVE ANALYSIS. The physico-chemical basis of analytical chemistry; analysis of metals and non-metals. Prerequisite, Course 14. Two hours of lecture and three hours of laboratory work. *Six semester hours.* Dr. Sturgis.

5-6. QUANTITATIVE ANALYSIS. A study of the most acceptable methods of gravimetric and volumetric analysis. Prerequisite, Course 3-4. Two hours of lecture and four hours of laboratory work. *Six semester hours.* Dr. Sturgis.

7-8. ORGANIC CHEMISTRY. The study of the properties, synthesis, and structure of the most important classes of the carbon compounds. Prerequisite, Course 14. Three hours of lecture and three hours of laboratory work. *Eight semester hours.* Mr. Pettit.

9-10. PHYSICAL CHEMISTRY. The course includes a study of the states of matter, the properties of solution, atomic structure, radioactivity, and other topics. Prerequisite, Physics 1-2; Mathematics 3-4; Courses 5-6 and 7-8. Three hours of lecture and three hours of laboratory work. *Eight semester hours.* Dr. Sturgis.

11. THE LITERATURE OF CHEMISTRY. The use of books, journals, and reports in the field of Chemistry. Open to third-year and fourth-year students in the Chemistry-Biology-Physics group. Prerequisite,

Course 7-8 and German 3-4. One hour per week. *One semester hour.* Mr. Pettit.

Course 11 will be offered in 1949-50.

16. ADVANCED QUANTITATIVE ANALYSIS. This course may be taken with Chemistry 6. One hour of lecture and six hours of laboratory work. *Three semester hours.* Dr. Sturgis.

20. SEMINAR. Papers and reports in Physical Chemistry. One hour per week. *One semester hour.* Dr. Sturgis.

Course 20 will be offered in 1949-50.

21. SEMINAR. VALENCE. Selected topics dealing with the valence, resonance and isomerism of inorganic and organic compounds. One hour per week. *One semester hour.* Mr. Staiger.

22. SEMINAR. Reports on recent advances in Organic Chemistry. One hour per week. *One semester hour.* Mr. Pettit.

Courses 21 and 22 will be offered in 1950-51.

CLASSICAL LANGUAGES

PROFESSOR BAKER

Students majoring in Classical Languages are required to take at least 12 semester hours of Greek and 12 semester hours of Latin, beyond Latin 1-2. In the first half of his senior year, each student must take the Seminar in Classical Studies, Greek 7. In the examination at the close of this course, he will be expected to show a satisfactory general knowledge of Greek and Roman literature, language, art, history, geography, mythology, religion, and private life. For this examination the student is expected to prepare himself (with the advice and help of the instructor) throughout his previous three years both by courses and by outside reading.

GREEK

1-2. BEGINNING GREEK. Allen, *First Year of Greek*. Attention is paid to the Greek element in English words and to the social customs and institutions of the Greeks. Three hours per week. *Six semester hours.* Dr. Baker.

Course 1-2 is elective for students in all groups.

3. INTERMEDIATE GREEK. Xenophon, *Anabasis*. Reading on the history of Greek literature. Three hours per week. *Three semester hours.* Dr. Baker.

4. HOMER. Selections from the *Iliad* and the *Odyssey*. Three hours per week. *Three semester hours*. Dr. Baker.

5, 6. GREEK HISTORY AND COMEDY. Thucydides and Aristophanes, selections. This course will include papers and outside readings and is designed to give the student a complete picture of Athens during the latter half of the fifth century, B.C. *Six semester hours*. Dr. Baker.

7. SEMINAR IN CLASSICAL STUDIES. A study of selected topics dealing with the Greco-Roman world. Knowledge of Greek and Latin is a prerequisite. Three hours per week. *Three semester hours*. Dr. Baker.

8. NEW TESTAMENT GREEK. The Gospel of St. Luke. Papers and lectures on Hellenistic religions. Three hours per week. *Three semester hours*. Dr. Baker.

LATIN

1-2. ELEMENTARY LATIN. A study of the grammar, syntax, and vocabulary, with emphasis upon the Latin elements in English words. Reading of passages from various authors. Three hours per week. *Six semester hours*. Dr. Baker.

3, 4. VERGIL. *Aeneid*, BOOKS I-VI. Emphasis is placed on vocabulary and mythology. Prerequisite: Latin 1-2 or its equivalent. Three hours per week. *Six semester hours*. Dr. Baker.

5, 6. CICERO, *De Senectute*; HORACE, *Odes and Epodes*; selections from other authors. Prerequisite: Latin 3, 4 or its equivalent. Three hours per week. *Six semester hours*. Dr. Baker.

7, 8. HORACE, *Satires, Epistles*, and *Ars Poetica*; selections from other authors. Readings on the history of Latin literature. *Six semester hours*. Dr. Baker.

9, 10. ADVANCED LATIN. The instructor will arrange with students electing this course to read authors of one period or literary type, or authors whose works may be correlated with other fields of study, e.g., philosophy, history, law. *Four semester hours*. Dr. Baker.

11, 12. A continuation of the work done in Latin 9, 10. *Four semester hours*. Dr. Baker.

22. Preparation for Teaching Latin. For third-year or fourth-year students. Three hours per week. *Three semester hours*. Dr. Baker.

ECONOMICS

PROFESSOR BOSWELL, PROFESSOR BONE, MR. SYMONS

Students majoring in Economics must take the following courses: Economics 3-4; twenty-four (24) semester hours in elective courses in Economics; Political Science 1-2; six (6) semester hours in elective courses in Political Science.

3-4. PRINCIPLES OF ECONOMICS. An analysis of our economic organization, including the study of such topics as the organization of production, value and exchange, mediums of exchange and our banking system, business cycles, international trade and the tariff, the distribution of wealth, monopolies, competition and other current problems. Three hours per week. *Six semester hours.* Dr. Boswell, Mr. Symons.

Course 3-4 is a prerequisite for all other courses.

5. LABOR PROBLEMS AND PERSONNEL ADMINISTRATION. A study of human relations arising from industrial organization and the employers' part in bringing about industrial peace. Prerequisite, Course 3-4. Three hours per week. *Three semester hours.* Mr. Symons.

6. BUSINESS FINANCE. A study of the financial aspects of business management, including the financing of corporations. Prerequisite, Course 3-4. Three hours per week. *Three semester hours.* Mr. Symons.

7. MARKETING. A survey of the marketing mechanism and a comparative study of the most usual methods and practices. Prerequisite, Course 3-4. Three hours per week. *Three semester hours.* Mr. Bone, Mr. Symons.

8. FOREIGN TRADE. The principles of foreign trade; relation of foreign trade to national prosperity; foreign trade policies of the more important countries. Prerequisite, Courses 3-4 and 7. Three hours per week. *Three semester hours.* Mr. Bone, Mr. Symons.

9-10. MONEY AND BANKING. A brief study of monetary and banking theories followed by a careful analysis of the services and methods of operation of various financial institutions such as commercial banks, clearing house associations, the Federal Reserve banks, Farm Loan banks, note brokers, commercial paper houses, finance companies, and investment houses. Prerequisite, Course 3-4. Three hours per week. *Six semester hours.* Dr. Boswell.

11-12. PRINCIPLES OF ACCOUNTING. Fundamental principles involved in single ownership, partnership, and corporate forms of organization, including large enterprises and manufacturing types of business. Problems, questions, and a systematic practice set supplement the work. Two hours of lecture and two hours of laboratory per week. *Six semester hours.* Mr. Bone.

13. PUBLIC FINANCE AND TAXATION. A study of the general principles of public expenditures, public revenues, public indebtedness, and financial administration. Attention will be given to the principles and workings of the Federal Income Tax law. There will be class assignments in solving actual income tax problems. Three hours per week. *Three semester hours.* Mr. Symons.

14. RAILWAY TRANSPORTATION. A study of the financing of railroad construction in the United States; rate making, routing, personal and territorial discrimination, competition and consolidation; state and federal legislation and regulation; government operation; criticisms of some of the proposed solutions of our railway problems. Prerequisite, Course 3-4. Three hours per week. *Three semester hours.* Mr. Symons.

15. BUSINESS LAW. An introductory course covering the fundamental principles and procedures governing contracts, sales, negotiable paper, partnerships, corporations, and business associations. Lectures, reading, and study of cases and problems. Prerequisite, Course 3-4. Three hours per week. *Three semester hours.* Mr. Bone.

This course will be offered in both terms in 1949-50.

17, 18. BUSINESS ORGANIZATION. A survey study of the organization and management of industrial activities and their relation to each other. The historical background, organization, physical plant, standardization, wage payment methods, employment and handling of men; control of production, planning and operation; executive control. Prerequisite, Course 3-4. Three hours per week. *Six semester hours.* Mr. Bone.

Not offered in 1949-50.

19. ADVANCED ACCOUNTING. A study of advanced accounting principles and the application of principles to the analysis of problems. The principal subjects discussed are analysis of profits, application of funds, capital expenditures and depreciation policies, determination of costs for inventory valuation, installment accounts, branches and agencies. Prerequisite, Course 11-12. Two hours per week. *Two semester hours.* Mr. Bone.

20. **INTRODUCTORY COST ACCOUNTING.** A study of the fundamental principles of cost accounting. Methods of finding the cost of specific orders or lots, fundamentals of process costs, accounting for by-products and joint products, estimate costs, and standard costs. Prerequisite, Course 11-12. Two hours per week. *Two semester hours.* Mr. Bone.

MATHEMATICS OF FINANCE. See **MATHEMATICS**, Courses 13-14 and 15-16, p. 65.

EDUCATION

PROFESSOR TYSON, PROFESSOR VANDERSLICE, ASSOCIATE
PROFESSOR MINNICH, MR. HIRST

2. **INTRODUCTION TO TEACHING IN SECONDARY SCHOOLS.** The characteristics of teaching as a profession with special reference to secondary education; the nature and interests of adolescents; the task of secondary schools in the United States contrasted with those in other countries; the organization of secondary education to meet the needs of pupils. Three hours per week during the second semester of the second year. *Three semester hours.* Mr. Minnich and Dr. Vanderslice.

7. **THE HISTORY AND PHILOSOPHY OF EDUCATION.** The development of educational ideas as they influence the present. The evolution of present practices with the underlying philosophies. Prerequisites: Psychology 1 or 2 and Education 2. Three hours per week during the first semester of the third year. *Three semester hours.* Mr. Minnich and Dr. Vanderslice.

3. **EDUCATIONAL PSYCHOLOGY.** The native equipment of the learner; the relationship of heredity and environment; the inheritance of human traits; the principles of growth and development; physical, emotional, social and mental development; the principles of learning; transfer of training. Prerequisites: Psychology 1 or 2 and Education 2. Three hours per week during the first semester of the third year. *Three semester hours.* Dr. Tyson.

4. **PRINCIPLES OF TEACHING AND LEARNING.** The application of the principles of educational psychology to teaching in the secondary school; the teacher as a guide of learning; the activities in which the teacher is called upon to engage. This course is required by the Department for all persons who expect to qualify for practice teaching. Prerequisite, Education 2, 7, 3. Three hours per week. *Three semester hours.* Mr. Minnich.

5. STUDENT TEACHING. A laboratory course in student teaching consisting of observation, participation and teaching in neighboring high schools with individual and group conferences. Consult the instructor for the requirements of different states. Required to complete certification. Open only to fourth year students who meet the personality and scholastic requirements. This course is given in the fall term, and only six hours of additional work can be carried with it. Prerequisites: Courses 2, 7, 3, 4, and the special methods course in the student's major field. *Eight semester hours.* Mr. Minnich, Dr. Vanderslice.

10. EDUCATIONAL AND PSYCHOLOGICAL TESTS AND MEASUREMENTS. An introductory survey of the field of measurement in education, including measurement of intelligence and school results; main features of the technique of testing and test construction; types of tests and scales; evaluation; interpretation; use. Prerequisite, Education 3. Three hours per week. *Three semester hours.* Mr. Hirst.

12. THE TEACHING OF SCIENCE IN THE SECONDARY SCHOOL. This course is designed to acquaint the prospective teacher with the purposes and problems of the teaching of science in the secondary school. The chief topics include the development of objectives, the organization of typical curricula, and the methods used in both junior and senior high schools. Required of third-year students who are preparing to teach science. Three hours per week. *Three semester hours.* Dr. Tyson.

22. TEACHING OF HISTORY AND THE SOCIAL STUDIES IN THE SECONDARY SCHOOLS. Selection and interpretation of subject matter in accordance with the following aims: (1) local, national and international issues, (2) cultural inheritance. Methods of engendering and developing desirable social concepts in secondary school students. Demonstrations; field trips, study of the tools of learning, including visual aids; cooperative planning and evaluation. Three hours per week. *Three semester hours.* Dr. Vanderslice.

For similar courses in other fields see English 25, German 21, Latin 22, Mathematics 24, Physical Education 5-6, and Romance Languages 21.

REQUIREMENTS FOR CERTIFICATION OF HIGH SCHOOL TEACHERS IN PENNSYLVANIA

Subsequent to September 1, 1944, all certificates issued by the Department of Public Instruction to teach in the public schools of the Commonwealth, shall, in addition to the present regulations, require a basic course in the history of the United States and of Pennsylvania.

REQUIREMENTS FOR THE TEACHING OF SCIENCE AND SOCIAL STUDIES IN PENNSYLVANIA

Distribution of Required Eighteen Semester Hours.

A. SCIENCE.

1. A certificate of standard grade will be validated for the teaching of science upon the completion of eighteen semester hours of approved preparation in science distributed as follows:

Physical sciences, nine semester hours including three semester hours in physics and three semester hours in chemistry.

Biological sciences, nine semester hours including three semester hours in botany and three semester hours in zoology.

2. Where the applicant presents eighteen semester hours of approved preparation in physical sciences including six semester hours in chemistry and six semester hours in physics, "physical science" will be written upon the certificate.

3. Where the applicant presents eighteen semester hours of approved preparation in biological science including six semester hours in botany and six semester hours in zoology, "biological science" will be written upon the certificate.

B. SOCIAL STUDIES.

1. "Social studies" will be written upon the certificate when the applicant presents evidence of having completed eighteen semester hours of approved preparation in the social studies distributed as follows:

Social Science	nine semester hours
History	nine semester hours

2. Where the applicant has completed eighteen semester hours of approved preparation in social science, "social science" will be written upon the certificate. Approved preparation must include political science, economics, and sociology.

3. Where the applicant has completed eighteen semester hours of approved preparation in history, "history" will be written upon the certificate.

REQUIREMENTS FOR CERTIFICATION OF SECONDARY SCHOOL TEACHERS IN NEW JERSEY

Authorization: To teach endorsed subject fields in grades seven to twelve.

Requirements:

1. A bachelor's degree based upon an accredited curriculum in a four year college.

2. A minimum of thirty semester hours credit in general background courses distributed in at least three of the following fields: English, social studies, science, fine arts, mathematics, and foreign languages. Six semester hour credits in English and six in social studies will be required.

3. A minimum of eighteen semester hour credits in courses distributed over four or more of the following groups including at least one course in A, B and C below.

A. METHODS OF TEACHING. This group includes such courses as:

(1) methods of teaching in secondary schools, (2) visual aids in education, and (3) individuality instruction.

B. EDUCATIONAL PSYCHOLOGY. This group includes such courses as:

(1) psychology of learning, (2) human growth and development, (3) adolescent psychology, (4) educational measurements, and (5) mental hygiene.

C. HEALTH EDUCATION. This group includes such courses as:

(1) personal health problems, (2) school health problems, (3) nutrition, (4) health administration, and (5) biology.

D. CURRICULUM. This group includes such courses as: (1) principles of curriculum construction, (2) the high school curriculum, (3) a study of the curriculum in a specific field, and (4) extra-curricular activities.

E. FOUNDATIONS OF EDUCATION. This group includes such courses as: (1) history of education, (2) principles of education, (3) philosophy of education, (4) comparative education and educational sociology.

F. GUIDANCE. This group includes such courses as: (1) principles of guidance, (2) counselling, (3) vocational guidance, (4) educational guidance, (5) research in guidance, and (6) student personnel problems.

4. Two teaching fields are required, one of which must contain thirty semester hour credits and the other eighteen.

(Consult the Department of Education for required work within each of these teaching fields.)

5. One hundred and fifty clock hours of approved student teaching. At least ninety clock hours must be devoted to responsible classroom teaching. Sixty clock hours may be employed in observation and participation.

TERM. The limited certificate may be made permanent when the applicant completes three years of successful teaching experience within the scope of the certificate.

ENGLISH

PROFESSOR McCLURE, PROFESSOR YOST, PROFESSOR BAKER, VISITING PROFESSOR WEYGANDT, ASSOCIATE PROFESSOR CHILD, ASSOCIATE PROFESSOR PHILLIPS, MR. JONES, MR. KERSHNER

Students majoring in English must take the following courses: English Literature 5, 6; 7, 8; 9, 10; 11-12; 19-20; History 7-8; 9-10.

Students preparing for graduate study in English should elect French and German as their modern languages. Study in classical languages is also strongly recommended for such students.

COMPOSITION

1-2. FIRST-YEAR ENGLISH. The study of the fundamentals of effective writing; the reading of prose and verse for the purpose of cultivating the ability to enjoy literature. Three hours per week. *Six semester hours.* Dr. Child and Department Staff.

Course 1-2 is prescribed for all students.

3-4. SECOND-YEAR COMPOSITION. The further application of principles of writing developed in First-Year English, with particular stress upon expository method. Prerequisite, Course 1-2. One hour per week. *Two semester hours.* Dr. Child and Department Staff.

Course 3-4 is prescribed for all students entering after July, 1948.

5, 6. ADVANCED COMPOSITION. A study of the principles underlying current types of writing. Course 5 will deal with fictional writing and emphasize the short story; Course 6, with factual writing and offer an introduction to journalism. Prerequisite, Course 1-2. Three hours per week. *Six semester hours.* Dr. Child.

7, 8. DESCRIPTION AND NARRATION. A study of the principles underlying these imaginative types, based on textbooks, lectures, supplementary reading, and personal conferences; critical study of literary masterpieces; constant practice in writing factual and fictional compositions of both types. Three hours per week. *Six semester hours.* Dr. Child.

Courses 7 and 8 are elective for all students who have passed Course 1-2.

Course 7, 8 will not be offered in 1949-50.

LITERATURE

3-4. SURVEY OF ENGLISH LITERATURE. The history of English literature from the beginnings to the present. Special attention is given to the social background. Two hours per week. *Four semester hours.* Dr. Phillips, Mr. Jones.

Course 3-4 is prescribed for second-year students in the English Group and is elective for second-year students in other groups.

5. THE ENGLISH ESSAY. EIGHTEENTH CENTURY. A study of the essay and non-fictional prose from the age of Queen Anne to the end of the eighteenth century. Three hours per week. *Three semester hours.* Dr. Yost.

Course 5 is prescribed for third-year and fourth-year students in the English Group and is elective for third-year and fourth-year students in other groups.

6. THE ENGLISH ESSAY. NINETEENTH CENTURY. A study of the essay and non-fictional prose from Lamb to Stevenson. Three hours per week. *Three semester hours.* Dr. Yost.

Course 6 is prescribed for third-year and fourth-year students in the English Group and is elective for third-year and fourth-year students in other groups.

Courses 5 and 6 alternate with Courses 7 and 8. Courses 7 and 8 will be given in 1949-50.

7. ENGLISH POETRY, 1790-1824. A study of English poetry from 1790 to the death of Byron. The decline of neoclassicism; the romantic movement. Three hours per week. *Three semester hours.* Dr. Yost.

Course 7 is prescribed for third-year and fourth-year students in the English Group and is elective for third-year and fourth-year students in other groups.

8. ENGLISH POETRY, 1824-1890. A study of the poetry of Tennyson and his contemporaries. Three hours per week. *Three semester hours.* Dr. Yost.

Course 8 is prescribed for third-year and fourth-year students in the English Group and is elective for third-year and fourth-year students in other groups.

9, 10. SHAKESPEARE. The development of English drama from the beginning to 1642; the reading of Shakespeare and his contemporaries. Three hours per week. *Six semester hours.* Dr. McClure.

Courses 9 and 10 are prescribed for third-year and fourth-year students in the English Group and are elective for third-year and fourth-year students in other groups.

Courses 9 and 10 alternate with Courses 15 and 16. Courses 9 and 10 will be given in 1949-50.

11-12. INTRODUCTION TO ANGLO-SAXON AND THE HISTORY OF THE ENGLISH LANGUAGE. Two hours per week. *Four semester hours.* Dr. McClure.

Course 11-12 is prescribed for second-year students in the English Group and is elective in other groups.

15. MODERN POETRY. English and American poetry from 1890 to the present. Two hours per week. *Two semester hours.* Dr. Weygandt.

Course 15 is elective for all students in all groups.

16. ENGLISH POETRY, 1500-1660. The development of narrative and lyric poetry. Two hours per week. *Two semester hours.* Dr. McClure.
Course 16 is elective for all students in all groups.

17. THE ENGLISH NOVEL. A reading course in the development of the novel from its origin to the present. Two hours per week. *Two semester hours.* Dr. Phillips.

Course 17 is elective for all students in all groups.

18. MODERN DRAMA. A reading course in the modern European and American drama from Ibsen to the present. Two hours per week. *Two semester hours.* Dr. Phillips.

Course 18 is elective for all students in all groups.

19-20. AMERICAN LITERATURE. A survey of American literature from Colonial times to the present, with a consideration of the social history of the period. Three hours per week. *Six semester hours.* Dr. Yost.

Course 19-20 is prescribed for third-year and fourth-year students in the English Group and is elective for second-year, third-year and fourth-year students in other groups.

21, 22. CLASSICS IN TRANSLATION. A study of the major authors of ancient Greece and Rome, with a view to understanding the back-

ground of European and English literature. Two hours per week. *Four semester hours.* Dr. Baker.

Course 21, 22 is elective for third-year and fourth-year students in all groups.

24. ENGLISH POETRY. A seminar in the reading and interpretation of English and American poetry. Prerequisite, Course 3-4. Three hours per week. *Three semester hours.* Dr. Yost.

Course 24 is elective for fourth-year students, with the permission of the instructor.

25. SEMINAR. The study and teaching of English; a consideration of problems, materials, and methods. Three hours per week. *Three semester hours.* Dr. Phillips.

Course 25 is elective for third-year students in the English Group. Others are admitted only by special permission.

FRENCH

See under ROMANCE LANGUAGES.

GERMANIC LANGUAGES

PROFESSOR HARTZELL, ASSOCIATE PROFESSOR RICE, MR. STRAUB

GERMAN

Students majoring in German must take the following courses: German 5, 6; 7, 8; 9, 10; 13-14; twelve (12) semester hours study in another language.

1-2 ELEMENTARY GERMAN. Three hours per week. *Six semester hours.* Dr. Hartzell, Dr. Rice, Mr. Straub.

Course 1-2 is elective for all students who do not offer German for admission.

3, 4. INTERMEDIATE GERMAN. Three hours per week. *Six semester hours.* Dr. Hartzell, Dr. Rice, Mr. Straub.

5. ADVANCED GERMAN READING. Reading of advanced material with particular attention to literary and cultural value. Three hours per week. *Three semester hours.* Dr. Hartzell.

6. GOETHE'S FAUST. Three hours per week. *Three semester hours.* Dr. Hartzell.

7, 8. GERMAN OF THE CLASSIC PERIOD. Reading of works by Lessing, Schiller, and Goethe, with a study of the classic period. Two hours per week. *Four semester hours.* Dr. Hartzell.

9, 10. MODERN GERMAN LITERATURE. Reading of the works of representative writers of the nineteenth and twentieth centuries. Two hours per week. *Four semester hours.* Dr. Hartzell.

Course 9, 10 alternates with Course 7, 8. Course 7, 8 will be offered in 1949-50.

11-12. SCIENTIFIC GERMAN. This course is planned to furnish drill in the reading of modern scientific German. Two hours per week. *Four semester hours.* Dr. Rice.

Course 11-12 alternates with Course 13-14. Course 13-14 will be offered in 1949-50.

13-14. ORAL AND WRITTEN COMPOSITION. This course comprehends a thorough drill in both oral and written composition. Two hours per week. *Four semester hours.* Dr. Hartzell, Dr. Rice, Mr. Straub.

21. TEACHERS' COURSE. A thorough drill in phonetics; special attention is given to correct pronunciation and the methods of teaching correct pronunciation; lectures and discussions on the methods of teaching foreign languages; a survey of textbooks and other material suitable for elementary classes. Three hours per week. *Three semester hours.* Dr. Rice and Dr. Hartzell.

Open to third-year students preparing to teach German.

RUSSIAN

Study in Russian is open to students who have completed the language requirement for graduation.

1-2. ELEMENTARY RUSSIAN. Three hours per week. *Six semester hours.* Dr. Hartzell.

SWEDISH

Study in Swedish is open to students who have completed the language requirement for graduation.

1-2. SWEDISH LANGUAGE AND CULTURE. Students completing this course will have little difficulty in reading Danish and Norwegian as well as Swedish. Grammar, reading, and lectures on cultural background. Three hours per week. *Six semester hours.* Dr. Rice.

GREEK

See under CLASSICAL LANGUAGES.

HEALTH AND PHYSICAL EDUCATION

PROFESSOR VANDERSLICE, PROFESSOR BROWNBAC, PROFESSOR BAILEY,
ASSOCIATE PROFESSOR SNELL, ASSOCIATE PROFESSOR MINNICH, ASSISTANT
PROFESSOR GURZYNSKI, ASSISTANT PROFESSOR WIENEKE, ASSISTANT
PROFESSOR WALDO, MRS. WHITING, MR. SEEDERS

Students majoring in Health and Physical Education must take the following courses: Physical Education 1, 2; 3; 5, 6; 7, 8; 9, 10; 14; 16, 17; 19; 20; 22; 201-2; 203-4; 205-6; 207-8; Chemistry 1-2; Biology 3; 1 or 2; 17-18; History 20; Sociology 1.

1. INTRODUCTION TO PHYSICAL EDUCATION. An orientation course dealing with the interpretation, objectives, and current problems in physical education. Two hours per week. *Two semester hours.* Miss Snell.

2. PRINCIPLES AND HISTORY OF PHYSICAL EDUCATION. An historical analysis of the physical education principles, philosophies, and activities of man from primitive to modern times. Two hours per week. *Two semester hours.* Miss Snell.

3. COMMUNITY RECREATION PROGRAMS. A comprehensive analysis of the leisure time problem. An examination of the nature, scope, need and function of community recreation programs, and of the social and economic forces affecting them. Three hours per week. *Three semester hours.* Mr. Bailey.

4. LEADERSHIP IN CAMP AND CLUB ACTIVITIES. Discussion of the principles, characteristics, and processes of leadership in light of their significance to directors of camp and club activities. Three hours per week. *Three semester hours.* Mr. Gurzynski.

5. PRINCIPLES AND METHODS OF TEACHING PHYSICAL EDUCATION. Principles, methods, and problems of teaching physical education activities at the elementary and secondary school levels. Two hours per week. *Two semester hours.* Miss Snell.

6. METHODS OF HEALTH INSTRUCTION. Analysis of the principles, materials and methods involved in the teaching of health at different age levels. Two hours per week. *Two semester hours.* Miss Waldo.

7, 8. PRINCIPLES AND METHODS OF COACHING AND OFFICIATING. This course is designed with particular reference to the needs of prospec-

tive coaches and officials. Opportunities for practice in coaching and officiating are given in connection with the intramural and required physical education programs. Two classroom hours and one hour of practice per week. *Four semester hours.* Mr. Bailey and the Coaching Staff.

9. ADMINISTRATION OF HEALTH, PHYSICAL EDUCATION, AND RECREATION. A study of the administrative problems in health, physical education, and recreation. Three hours per week. *Three semester hours.* Mr. Bailey.

10. TESTS AND MEASUREMENTS IN HEALTH AND PHYSICAL EDUCATION. This course aims to familiarize the student with the nature, function, and history of specific tools of measurement in the field of health and physical education and to give him working knowledge and experience in the use of essential statistical procedures. Three hours per week. *Three semester hours.* Mr. Bailey.

14. PROBLEMS AND MATERIALS OF HEALTH AND SAFETY EDUCATION IN SCHOOL PROGRAMS. The scope, responsibility, and function of the health education program in the school with particular stress upon the phases of healthful school living, health service, and safety education. Two hours per week. *Two semester hours.* Miss Snell.

16. FIRST AID. Preventive procedures and emergency treatment for all types of common injuries. A course designed to give the student directed practice in the application of first aid knowledge. Red Cross Advanced First Aid certificates may be obtained by those who satisfy the requirements. Two hours per week. *One semester hour.* Mrs. Whiting.

17. CARE AND PREVENTION OF ATHLETIC INJURIES. This course deals with the causes of common injuries incident to athletic competition and stresses methods of prevention and treatment. Two hours per week. *One semester hour.* Mrs. Whiting.

19. MECHANICAL-ANATOMICAL ANALYSIS OF ACTIVITIES. KINESIOLOGY. An anatomical analysis of the mechanics of body movement and position. A study of the fundamental anatomical concepts in relation to the development of physical education skills. Two hours per week. *Two semester hours.* Dr. Brownback.

20. PHYSICAL EDUCATION FOR ATYPICAL CHILDREN. An analysis of the general conditions producing atypical children, of the biological and physiological aspects involved, and of the resultant psychological and sociological problems. Methods are given for the selection and

classification of these individuals and for the adaptation of activities to meet their needs. Three hours per week. *Three semester hours.* Mr. Bailey.

22. PHYSIOLOGY OF ACTIVITY. The physiological phenomena underlying physical activity. The anticipatory, immediate, and after effects of exercise on the different organs and the organism as a whole. Class discussion and laboratory demonstration. Two hours per week. *Two semester hours.* Dr. Brownback.

23. PAGEANTRY WRITING. The theory of pageantry and its place in dramatic art. The writing of pageants suitable for campus production on May Day and pageants for special purposes. Two hours per week. *Two semester hours.*

24. PAGEANTRY PRODUCTION. A study of production technique. Under supervision, students are given experience in the handling of committees and the management of the May Day pageant and other pageants. Two hours per week. *Two semester hours.*

Courses 23 and 24 will not be offered in 1949-50.

25. SAFETY EDUCATION. A study of industrial, agricultural, highway, domestic and miscellaneous hazards and of approved safety regulations and practices. Special reference to the selection and organization of the materials of instruction. Visual aids; safety projects with cooperation of community agencies. Three hours; credit for state certification. Mr. Minnich and others.

26. DRIVER EDUCATION. Development of good driving habits. Study of traffic laws. Study of the physics of automotive controls. Tests for visual acuity, field of vision, reaction time, distance judgment, glare acuity, night driving and others. Special emphasis on procedures in teaching driving to high school students. Visual aids. Three hours; credit for state certification. Mr. Minnich and others.

Physical Education 25 and 26 meet present requirements for certification in Safety Education.

PHYSICAL EDUCATION ACTIVITIES

GENERAL ACTIVITIES

101-2. GENERAL ACTIVITIES. A basic course in physical activities, designed for the development of organic vigor and the essential neuro-muscular skills. It aims to provide the student with recreative activities which may be valuable in later life and to create situa-

tions which may foster satisfactory social and moral outcomes. Seasonal activities of both group and individual nature are provided. *This course is a requirement for graduation for all students except those in the Physical Education Group, and must be completed in the first year. Two hours per week. Not a credit course.*

PROFESSIONAL COURSES

201-2. FIRST-YEAR ACTIVITIES. Physical education activities of a seasonal nature make up the major content of the course, with general emphasis on those of a team or group nature. Stress is placed upon the teaching and mechanical analysis of the individual skills and fundamental techniques. Study is made of the characteristic forms of different folk dances and their music. Outdoor activities include: (men) football, touch football, soccer, speedball, tennis, softball, baseball, track, and field; (women) soccer, speedball, tennis, hockey, softball, track and field. The indoor activities for both men and women include marching, tactics, calisthenics, apparatus work, folk dancing, group games, self-testing activities, basketball. Six hours per week. *Four semester hours.*

203-4. SECOND-YEAR ACTIVITIES. A continuation of Course 201-2 with added emphasis upon methods of teaching and the development of strategy and team play. Attention is given to the selection, adaptation, and use of music suitable for the various types of rhythmic activities. The following outdoor activities are included: (men) football, touch football, soccer, speedball, tennis, softball, baseball, track, field, canoeing, aquatic activities; (women) soccer, speedball, tennis, hockey, softball, track, field, canoeing, aquatic activities. Indoor activities for both men and women include marching and tactics, calisthenics, apparatus work, stunts, tumbling, self-testing activities, group games, rhythms, tap dancing, basketball. Six hours per week. *Four semester hours.*

205-6. THIRD-YEAR ACTIVITIES. This course offers a variety of individual activities which are in common use in the field of physical education. The course includes (men and women) archery, riding, tennis, volleyball, swimming, diving, golf, canoeing, aquatic activities, group games, social dancing, tap dancing, marching, apparatus work, stunts, tumbling, pyramids, etc. Six hours per week. *Four semester hours.*

207-8. FOURTH-YEAR ACTIVITIES. A continuation of Course 205-6. New activities are included and added emphasis is placed upon some of the more important individual sports already covered. A portion of this course is given over to review and to examinations for a

comprehensive rating in physical education. The work in this course includes (men and women) archery, riding, golf, badminton, swimming, life saving, deck tennis, paddle tennis, quoits, horseshoes, canoeing, aquatic activities; (men) boxing; (women) modern dancing. Opportunity is given for original composition. Six hours per week. *Four semester hours.*

HISTORY

PROFESSOR ARMSTRONG, PROFESSOR BAKER, PROFESSOR E. H. MILLER,
ASSOCIATE PROFESSOR ROSS, MR. DAVIS

Students majoring in History must take the following subjects: History 5-6; History 9-10; ten (10) semester hours in elective courses in History, including one seminar; Economics 3-4; Sociology 1; Political Science 1-2.

1-2. **MEDIEVAL AND MODERN EUROPE.** An introductory survey of European history from the fall of the Roman Empire to the present. This course is required of all first-year students, and is prerequisite for all other history courses. Three hours per week. *Six semester hours.* Dr. Armstrong, Mr. Ross, Mr. Davis.

3, 4. **EARLY MODERN EUROPE.** Course 3 deals primarily with the Renaissance and the Reformation; Course 4 with Continental Europe in the Seventeenth and Eighteenth centuries. Three hours per week. *Six semester hours.* Dr. Armstrong.

5, 6. **THE NINETEENTH AND TWENTIETH CENTURIES.** A study of the political, social, economic and intellectual backgrounds of our own times. Three hours per week. *Six semester hours.* Mr. Ross.

7-8. **ENGLAND AND THE BRITISH EMPIRE.** Course 7 will stress the Constitutional History of England; Course 8, colonial expansion and the social and economic consequences of the industrial revolution. Three hours per week. *Six semester hours.* Dr. Armstrong.

Not offered in 1949-50.

9-10. **THE UNITED STATES OF AMERICA.** Colonial and national history with special emphasis upon the State of Pennsylvania. This course is prescribed for all students in the History-Social Science Group in their third year and for any others who are preparing to teach American history. Three hours per week. *Six semester hours.* Mr. Davis.

A year of European history in addition to Course 1-2 is recommended before Course 9-10 is elected.

11, 12. SEMINAR IN AMERICAN HISTORY. Preparation and discussion of research papers on selected topics. Topics for 1949-50: first semester, American Diplomatic History; second semester, Religious Thought and Expression in America. Open to third- and fourth-year students in the History-Social Group who have had two years' work in history, and to others equally qualified, with permission of the instructor. Two consecutive hours per week. *Four semester hours.* Dr. Armstrong, Mr. Davis.

13-14. HISTORY OF THE ASIATIC MAINLAND AND THE PACIFIC ISLANDS. Three hours per week. *Six semester hours.* Dr. E. H. Miller.

15. GREEK HISTORY. A study of the political, social and economic life of ancient Greece. Two hours per week. *Two semester hours.* Dr. Baker.

16. ROMAN HISTORY. This course deals especially with the government of the Roman Republic and Empire and the economic, social causes of its decline. Two hours per week. *Two semester hours.* Dr. Baker.

17, 18. SEMINAR IN EUROPEAN HISTORY. Preparation and discussion of research papers. Topics for 1949-50: first semester, The League of Nations and the United Nations; second semester, Classical Archæology. Open to third- and fourth-year students in the History-Social Science Group who have had two years' work in History, and to others equally qualified, with permission of the instructor. Two consecutive hours per week. *Four semester hours.* Dr. Baker, Mr. Ross.

20. HISTORY OF THE UNITED STATES AND PENNSYLVANIA. This is a survey course especially designed to meet the requirements for certification of high school teachers in Pennsylvania. It is not open to students in the History-Social Science Group and should not be elected by anyone planning to teach American History. Three hours per week. *Three semester hours.* Mr. Davis.

21-22. LATIN AMERICA. Political and cultural backgrounds of South and Central American nations and their relation to the interests and policy of the United States. Three hours per week. *Six semester hours.* Dr. E. H. Miller.

Not offered in 1949-50.

24. RUSSIA. Political and social history of Czarist and Soviet Russia. Two hours per week. *Two semester hours.* Dr. Armstrong.

26. CANADA. The development of the Canadian people from colonial status to nationhood. Two hours per week. *Two semester hours*. Dr. Armstrong.

Not offered in 1949-50.

LATIN

See under CLASSICAL LANGUAGES.

MATHEMATICS AND ASTRONOMY

PROFESSOR CLAWSON, PROFESSOR MANNING, ASSOCIATE PROFESSOR DENNIS, MISS SCHULTZ

A member of the Mathematics Group normally takes Mathematics 1a, 2a, and 5-6 in the first year; Mathematics 3-4 and Physics 1-2 (to satisfy the general requirement in science) in the second year. For graduation at least 30 semester hours in Mathematics are required.

For students expecting to teach, the recommended courses in Mathematics are Problems, the Teachers' Course, Statistics, Theory of Equations, and Modern Geometry.

Students expecting to go into business, insurance or the actuarial profession should take a third year of English, and two years of Accounting. The recommended courses in Mathematics are Mathematics of Finance, Statistics, Finite Differences and Probability.

Students expecting to attend a graduate school, or engineering school, or interested in scientific applications should take courses in their chosen science. The recommended courses in Mathematics are the Calculus, Vector Analysis, Group Theory, and Theory of Functions of a Complex Variable.

1, 2. COLLEGE ALGEBRA, TRIGONOMETRY. A basic course covering the usual topics in these fields. The emphasis is on utility in science and business rather than on formal statement. Three hours per week. *Six semester hours*. Dr. Manning, Dr. Dennis, Miss Schultz.

Course 1, 2 is prescribed for all students in the Mathematics Group who have been credited with not more than 3 units of mathematics toward admission.

1a, 2a. COLLEGE ALGEBRA, TRIGONOMETRY. A more advanced course, presupposing the usual high school courses in these subjects. Three hours per week. *Six semester hours*. Dr. Manning, Dr. Dennis, Miss Schultz.

Course 1a, 2a is prescribed for students in the Mathematics Group who have been credited with 3.5 units of mathematics toward admission.

3-4. ELEMENTARY CALCULUS. A first course in infinitesimal calculus, comprising a study of the fundamental methods and applications of differential calculus and an introduction to integral calculus. Prerequisite, Course 1, 2 or 1a, 2a. Three hours per week. *Six semester hours.* Dr. Manning, Dr. Dennis, Miss Schultz.

Course 3-4 is prescribed for students in the Mathematics Group.

5-6. ANALYTIC GEOMETRY, PLANE AND SOLID. The use of algebraic methods in the study of geometry. Three hours per week. *Six semester hours.* Dr. Clawson.

Course 5-6 is prescribed for students in the Mathematics Group.

Students in the Mathematics Group must elect a minimum of twelve additional hours from the following courses:

7-8. THE CALCULUS. Review of the fundamentals, and a further study of methods of differentiation and integration and applications. Elements of differential equations. Prerequisite, Mathematics 3-4. Three hours per week. *Six semester hours.* Dr. Dennis.

9, 10, 11, 12. ADVANCED MATHEMATICS. These courses vary from year to year in accordance with the needs of the class. In recent years, Projective Geometry, Theory of Equations, Theory of Finite Groups, Vector Analysis, Theory of Functions of a Complex Variable, Theory of Numbers, Modern Geometry, Higher Algebra, Probability and Finite Differences have been studied. Prerequisites, Mathematics 5-6 and 3-4. Three hours per week. *Six semester hours.* Dr. Manning, Dr. Dennis.

One or more of these courses will be offered in every term.

13-14. MATHEMATICS OF FINANCE. The operation of interest in relation to the amortization of debts, the creation of sinking funds, the treatment of depreciation, the valuation of bonds, the accumulation of funds in building and loan association, and the elements of life insurance. Two hours per week. *Four semester hours.* Dr. Manning, Miss Schultz.

15-16. MATHEMATICAL STATISTICS. Statistical methods of studying data from fields of economics, education and the natural sciences; including the study of graphs, averages, dispersion, probability, index numbers, curve fitting, analysis of time series, correlation, quality

control, production control, and analysis of variance. Two hours per week. *Four semester hours.* Dr. Manning.

17-18. ASTRONOMY. Facts and theories concerning the appearance, dimensions, constitutions, motions, and interrelations of celestial bodies. Prerequisite, Course 1, 2 or its equivalent and some knowledge of physics. Two hours per week. *Four semester hours.* Dr. Manning.

19, 20, 21, 22. PROBLEMS. A weekly set of problems from various fields. This course may be begun in any term and continued for as many as four terms. Prerequisites, Courses 3-4 and 5-6. One hour per week. *One semester hour for each term.* Dr. Clawson.

24. TEACHERS' COURSE. The study and teaching of mathematics: a consideration of problems, materials and methods. Prerequisite, at least eighteen semester hours in Mathematics. For third-year students. Three hours per week. *Three semester hours.* Dr. Dennis.

MUSIC

PROFESSOR PHILIP, MISS SPANGLER

A. THEORY OF MUSIC

1-2. ELEMENTARY HARMONY. A thorough foundation in the melodic, rhythmic, and harmonic elements of music; keys, scales, intervals, cadences, major and minor chords; rhythmic reading and dictation, time durations, and the study of compound and simple measures. Two hours per week. *Four semester hours.* Dr. Philip.

3-4. ADVANCED HARMONY AND SIMPLE COUNTERPOINT. A detailed study of harmonic resources, from secondary chords to chromatic modulations and higher dissonances; principles of counterpoint, in two and three parts as divulged by study of sixteenth and seventeenth century compositions; four part harmony from melody and figured bass; dictation of four part harmony and works of the Classic School. Two hours per week. *Four semester hours.* Dr. Philip.

Course 3-4 alternate with Course 5-6. Course 5-6 will be offered in 1949-50.

5-6. COUNTERPOINT AND FORMS. Counterpoint based on study of mediaeval modes; fifteenth and sixteenth century styles; tonal counterpoint including two and three-part inventions; harmonic technique in contrapuntal style; dictation in contrapuntal style; survey of form in music; analysis of a comprehensive list of masterpieces. Two hours per week. *Four semester hours.* Dr. Philip.

7-8. DOUBLE COUNTERPOINT, FUGUE, AND CANON. An advanced course requiring 10-15 hours of preparation per week. Two hours per week. *Four semester hours.* Dr. Philip.

Course 7-8 alternates with Course 9-10. Course 9-10 will be given in 1949-50.

9-10. COMPOSITION. Practical composing in the smaller and simpler forms of voice, piano, and other instruments. One hour per week. *Two semester hours.* Dr. Philip.

11-12. ORCHESTRATION. Symphonic scoring through practical study; the study of the instruments of the orchestra and their relationship to the above. One hour per week. *Two semester hours.* Dr. Philip.

B. APPRECIATION OF MUSIC

13-14. APPRECIATION OF MUSIC. This course is especially intended not for those studying music from an applied or practical standpoint but for those desiring to enlarge their critical appreciation of music as a detail of their general culture. This course is more directly adapted to the special needs of the general group of college students than Course 15-16. This course has no prerequisite and is open to anyone. Two hours per week. *Four semester hours.* Dr. Philip.

C. HISTORY OF MUSIC

15-16. HISTORY OF MUSIC. Introduction to ancient and primitive music; music from the beginning of the Christian era to the present. Two hours per week. *Four semester hours.* Dr. Philip.

17-18. OPERA AND ORCHESTRAL MUSIC. Review of chief dramatic and musical developments of the masters with detailed study of outstanding compositions. Two hours per week. *Four semester hours.* Dr. Philip.

Course 17-18 alternates with Course 19. Course 19 will be given in 1949-50.

19. THE MUSIC DRAMAS OF RICHARD WAGNER. An intimate discussion and the detailed analysis of Wagner's works. Two hours per week. *Two semester hours.* Dr. Philip.

D. MUSICAL ORGANIZATIONS

21a. BAND. A detailed study of both the "marching band" and the "concert band." Two hours per week.

21b. BAND. Second year. Continuation of first-year work, which is a prerequisite. Two hours per week.

21c. BAND. Third year. Continuation of second-year work, which is a prerequisite. Two hours per week.

21d. BAND. Fourth year. Continuation of third-year work, which is a prerequisite. Two hours per week.

23a, 24a. SYMPHONY ORCHESTRA. Reading and study of the best literature of the orchestra. Two hours per week.

23b, 24b. SYMPHONY ORCHESTRA. Continuation of first-year work, which is a prerequisite. Two hours per week.

23c, 24c. SYMPHONY ORCHESTRA. Continuation of second-year work, which is a prerequisite. Two hours per week.

23d, 24d. SYMPHONY ORCHESTRA. Continuation of third-year work, which is a prerequisite. Two hours per week.

27a, 28a. VOCAL ENSEMBLE AND METHODS. A study of the basic principles of ensemble technique, vocal characteristics, and various types of voices. Discussion and study of the musical literature of the different periods. Practical application of principles studied as well as participation with the Ursinus Meistersingers in public concerts. Two hours per week. *One semester hour.*

27b, 28b. VOCAL ENSEMBLE AND METHODS. Continuation of first-year work, which is a prerequisite. Two hours per week. *One semester hour.*

27c, 28c. VOCAL ENSEMBLE AND METHODS. Continuation of second-year work, which is a prerequisite. Two hours per week.

27d, 28d. VOCAL ENSEMBLE AND METHODS. Continuation of third-year work, which is a prerequisite. Two hours per week.

30. CHORAL AND ORCHESTRAL CONDUCTING. Organization, arrangement, and direction of choruses and orchestras. Technique of the baton. Study of tempi; phrasing; dynamics; nuances; color. Practical experience conducting the college choral and orchestral units. Two hours per week. *Two semester hours.*

Not more than twelve semester hours in Music may be counted toward graduation.

PHILOSOPHY

PROFESSOR MATTERN, MR. CREAGER

One three semester hour course in Philosophy is required of every student for graduation.

Courses in Philosophy are open to third-year and fourth-year students, with the exception of Course 11. Course 11 is open also to second-year students.

Courses 5 and 11 are designed for students who do not plan to elect advanced courses in Philosophy.

1. INTRODUCTION TO PHILOSOPHY. A preliminary course designed to give to the student orientation with reference to the fields and problems of philosophy. Three hours per week. *Three semester hours.* Dr. Mattern.

2. MODERN PHILOSOPHICAL PROBLEMS. This course is continuous with Course 1, but is a more intensive study of certain problems outlined in Course 1. Prerequisite, Course 1. Three hours per week. *Three semester hours.* Dr. Mattern.

3. PHILOSOPHY IN AMERICA. A history of the evolution of American philosophic thought from the early colonial period to the nineteenth century. The European background is treated with emphasis upon eighteenth century materialism and idealism. Two hours per week. *Two semester hours.* Dr. Mattern.

4. PHILOSOPHY IN AMERICA. A history of American philosophy from the eighteenth century to recent tendencies, with emphasis upon New England Transcendentalism, later nineteenth century Idealism, Pragmatism, and twentieth century Idealism and Realism. Two hours per week. *Two semester hours.* Dr. Mattern.

Courses 3, 4 will not be offered in 1949-50.

5. ETHICS. A study of the principles of moral judgment, with exposition and criticism of the more important theories concerning the basis of distinction between right and wrong conduct; the various problems of theoretical and practical ethics. Papers by students. Three hours per week. *Three semester hours.* Dr. Mattern.

7. HISTORY OF ANCIENT AND MEDIAEVAL PHILOSOPHY. This course is designed to assist the student in his interpretation of modern thought-currents by means of a history of the evolution of reflective thought from Thales to Descartes. Three hours per week. *Three semester hours.* Dr. Mattern.

8. HISTORY OF MODERN PHILOSOPHY. This course is a continuation of Course 7, beginning with Descartes and tracing the modern development to present philosophical tendencies. Three hours per week. *Three semester hours.* Dr. Mattern.

Course 8 will be offered in 1949-50.

9. PHILOSOPHY OF RELIGION. A study of the evolution of religious beliefs with emphasis upon the development of the ideas of God, the problem of evil, and immortality. Three hours per week. *Three semester hours.* Mr. Creager.

11. LOGIC. A study of the guiding principles involved in correct thinking; the use of terms; classification; the nature of deductive inference with special reference to fallacious forms of reasoning as they receive expression in daily life; the canons of inductive inference; the basic concepts in scientific method. Three hours per week. *Three semester hours.* (Given both terms.) Dr. Mattern.

Course 11 is open to second-year students.

PHYSICS

PROFESSOR HEILEMANN, MR. SNYDER

Students majoring in Physics must take the following courses: Physics 1-2; 3-4; 5, 6; 7-8; Mathematics 1a, 2a; 3-4; 7-8; 9, 10; Chemistry 1-2, 14.

Students majoring in Physics who are preparing to teach in secondary schools may substitute courses in Education for the following courses: Physics 7-8; Mathematics 9, 10.

1-2. GENERAL PHYSICS. Elementary mechanics, heat, sound, light, electricity, and magnetism. Physics is presented not only as a science having practical application to everyday life, but as an example in itself of general scientific method. Prerequisite, Mathematics 1-2, or High School Trigonometry and a satisfactory rating in the Mathematical Aptitude section of the CEEB test or in some test of a similar nature. Although not a requirement, Mathematics 3-4 is strongly urged, to be pursued concurrently if not already completed. Three hours lecture and three hours laboratory per week. *Eight semester hours.* Dr. Heilemann, Mr. Snyder.

NOTE: Admission to advanced courses depends upon the quality of work done in the elementary course.

Students intending to elect any of the advanced courses are asked to confer with the instructor during the year prior to that in which the course is to be taken, in order that a satisfactory schedule may be arranged.

3. OPTICS. Image formation; systems of lenses and mirrors; dispersion; spectra, interference and diffraction; polarization; origin of

radiation; effects of radiation; applications. Three hours lecture and three hours laboratory per week. *Four semester hours.* Dr. Heilemann.

4. SOUND. The nature of sound; the physical basis of music, speech, and hearing; acoustics of buildings; methods of sound transmission and reproduction, and study of distortion; diffraction and interference; applications. Three hours lecture and three hours laboratory per week. *Four semester hours.* Dr. Heilemann.

5. ELECTRICITY AND MAGNETISM. Gauss's Theorem; potential; capacity; electric and magnetic circuit; Kirchoff's Laws; inductance; alternating currents; electrical machinery; elements of electronics. Prerequisite, Mathematics 3-4. Three hours lecture and three hours laboratory per week. *Four semester hours.* Mr. Snyder.

6. MECHANICS. Linear and plane kinematics of a mass point; Newton's Laws; linear and plane dynamics; work and energy; dynamics of a system of particles; statics and dynamics of rigid bodies; hydrostatics; fluid dynamics. Prerequisite, Mathematics 3-4. Three hours lecture and three hours laboratory per week. *Four semester hours.* Dr. Heilemann.

7-8. ATOMIC PHYSICS. The elementary charged particles; electromagnetic radiation; waves and particles. Elementary theory of the Hydrogen atom; atomic spectra and electron distribution. Natural radioactivity; nuclear disintegration; nuclear energy. Prerequisite, Mathematics 3-4. Three lectures per week. *Six semester hours.* Dr. Heilemann.

7a-8a. LABORATORY IN ATOMIC PHYSICS. Laboratory work (optional) for Course 7-8. Three hours per week. *Two semester hours.* Dr. Heilemann, Mr. Snyder.

9-10. SPECIAL TOPICS. Readings and laboratory work with conferences. The student, having chosen some field in which he is interested, is expected to become familiar with the special instruments and methods of measurement used in that field. Only students capable of independent work may elect this course. Prerequisites, Mathematics 3-4 and two years of college physics. Credit according to work done. Dr. Heilemann, Mr. Snyder.

POLITICAL SCIENCE

PROFESSOR E. H. MILLER, PROFESSOR CHANDLER, ASSOCIATE PROFESSOR
PANCOAST, MR. CAMPBELL

In addition to History 1-2 and Political Science 1-2, which are required for graduation under the general college requirements,

students majoring in Political Science must take an additional eighteen (18) hours of Political Science (Political Science 5, 6 and twelve elective hours); History 9-10; Economics 3-4; Sociology 1-2.

It is recommended that Political Science 1-2 be taken in the first year, Political Science 5, 6 and Economics 3-4 in the second year, and History 9-10 in the third year.

1-2. AMERICAN GOVERNMENT. An analysis of the structure and functions of American national and state governments. Three hours per week. *Six semester hours.* Mr. Pancoast, Dr. Chandler, Mr. Campbell.

Course 1-2 is a prerequisite for all courses in this department except 11-12; 13-14.

3. MUNICIPAL GOVERNMENT AND ADMINISTRATION. The legal power and position of the city in our political system. Thorough consideration of forms and activities of city governments. Three hours per week. *Three semester hours.* Mr. Pancoast.

4. POLITICAL PARTIES. Both structural description and functional analysis of American political parties. The organization, work, leaders, and place of political parties in our Democracy are considered at length. Three hours per week. *Three semester hours.* Mr. Pancoast.

5, 6. COMPARATIVE GOVERNMENT. A detailed comparison of the cabinet and presidential systems, as exemplified by England and the United States; the study then extended to other representative governments, including France, Germany, Italy, Russia, and Japan. Three hours per week. *Six semester hours.* Dr. E. H. Miller.

7. MODERN POLITICAL THEORIES. Significant political ideas, forces, and concepts from the middle of the Nineteenth Century to the present. The functions and problems of representative government in an industrial democracy are discussed at length. Three hours per week. *Three semester hours.* Dr. Chandler.

8. CONSTITUTIONAL LAW. Historical backgrounds and principles formulated by the United States Supreme Court receive special emphasis. In addition to a textbook, extensive use is made of case studies. Three hours per week. *Three semester hours.* Mr. Pancoast.

10. PUBLIC ADMINISTRATION. A survey of the field of public administration, emphasizing administrative organization, fiscal management, and personnel management. The administrative process is considered

as a unit encompassing federal, state, and local administration. Three hours per week. *Three semester hours.* Dr. Chandler.

11-12. SEMINAR IN POLITICAL SCIENCE. Selected topics in international organization, international relations, and international law. Two hours per week. *Four semester hours.* Dr. E. H. Miller.

Open only to third-year and fourth-year students.

13-14. SEMINAR IN GEOPOLITICS. An evaluation of the present and potential strength of the World Powers, with particular reference to the present internal and international position of the United States. The application of the views of Mackinder, Haushofer and others to world conditions today. Three hours per week. *Six semester hours.* Dr. Chandler.

Open only to third-year and fourth-year students.

PSYCHOLOGY

PROFESSOR TYSON, MR. HIRST

1. ELEMENTARY PSYCHOLOGY. An introductory study of mental life and accompanying types of human behavior. Three hours per week. *Three semester hours.* Dr. Tyson, Mr. Hirst.

2. ELEMENTARY PSYCHOLOGY. A course similar in content to Course 1, given to make the study available in both semesters. Three hours per week. *Three semester hours.* Mr. Hirst.

Course 1 or 2 is a degree requirement in all groups.

Course 1 must be taken during the first semester of the second year by all students preparing to become teachers.

4. SOCIAL PSYCHOLOGY. A study of group action and of the group influences by which the individual is surrounded; tradition, custom, public opinion, and other psychological and social forces which affect individual judgment and action. Three hours per week. *Three semester hours.* Mr. Hirst.

5. EDUCATIONAL PSYCHOLOGY. See Education, Course 3.

6. EDUCATIONAL AND PSYCHOLOGICAL TESTS AND MEASUREMENTS. See Education, Course 10.

8. ABNORMAL PSYCHOLOGY AND MENTAL HYGIENE. Abnormalities of sensation, perception, memory, thinking, emotion, intelligence, motor activity and personality; sleep, dreams, and phenomena of suggestion; critique of psycho-analytic theories; psychological aspects of

neurotic and psychotic disorders. The course will be given from the point of view of preventive mental hygiene. Three hours per week. *Three semester hours.* Dr. Tyson.

10. GENERAL PSYCHOLOGY. This course will cover materials of general psychology not treated in Psychology 1 or 2. The course is designed for students who expect to do advanced work in the field of psychology. Permission of the instructor is necessary before the student may enter the course. Three hours per week. *Three semester hours.* Mr. Hirst.

PUBLIC SPEAKING

MR. KERSHNER

3-4. PUBLIC SPEAKING. Composition and delivery of various types of speeches, with group criticism and discussion. The class will be organized and conducted according to the Rules of Parliamentary Procedure. Prerequisite, English Composition 1-2. Two hours per week. *Four semester hours.* Mr. Kershner.

5-6. DEBATING. This course is organized for both beginners and advanced students who are interested in debating in intra-mural and intercollegiate tournaments. Open to third-year students. The course may be repeated for credit in the senior year. One hour per week. *Two semester hours.* Mr. Kershner.

RELIGION

ASSISTANT PROFESSOR WALLICK, VISITING PROFESSOR RICHARDS,
MR. CREAGER

1. INTRODUCTION TO THE LITERATURE OF THE BIBLE. An appreciative and historical study of the Bible, with a view to discovering its origin, nature, and significance in the life of today. Three hours per week. *Three semester hours.* Mr. Wallick.

2. COMPARATIVE RELIGIONS. A survey of the historic religions to discover characteristics and effects upon the civilizations of the world. The religion of the Hebrews is treated at greater length than the others as a background for the study of Christianity. Three hours per week. *Three semester hours.* Mr. Creager.

5. LIFE AND TEACHINGS OF JESUS. A comparative and interpretative study of the New Testament sources. A consideration of the way in which Jesus met life situations and the application of His

method to modern life. Three hours per week. *Three semester hours.* Mr. Wallick.

6. HISTORY OF THE CHRISTIAN CHURCH. A survey of the development of the Christian church from the apostolic period to modern times, with a view to understanding the nature and extent of its contributions to society. Three hours per week. *Three semester hours.* Dr. Richards.

ROMANCE LANGUAGES

ASSOCIATE PROFESSOR WILCOX, ASSOCIATE PROFESSOR GARRETT,
MR. MATLACK, MR. PARSONS, MR. ELSER

FRENCH

Students whose major subject is French must meet the following group requirements previous to graduation:

French 5, 6, 9, 15, 16.

One of following courses: French 7, 8, 10.

One of following courses: French 11-12; 13-14.

History 3-4.

Latin 1-2; 3-4 (or equivalent, i.e., four years of Latin in secondary school).

1-2. ELEMENTARY FRENCH. Three hours per week. *Six semester hours.* Mr. Parsons.

3-4. INTERMEDIATE FRENCH. Three hours per week. *Six semester hours.* Dr. Garrett.

Prerequisite: Course 1-2 or equivalent (i.e., satisfactory completion, as shown by placement examination at Ursinus, of two or more years of French in secondary school).

3a-4a. INTERMEDIATE FRENCH (for majors). Three hours per week. *Six semester hours.* Dr. Garrett.

Prerequisite: Same as for Course 3-4.

5, 6. SURVEY OF FRENCH CIVILIZATION AND LITERATURE. Two hours per week. *Four semester hours.* Mr. Wilcox.

Prerequisite: Satisfactory completion of Course 3-4 or 3a-4a. History majors may be admitted to Course 5 with permission of the instructor.

Satisfactory completion of Course 5-6 is prerequisite to advanced work in the department.

7. RABELAIS, THE PLEIADE, MONTAIGNE. Two hours per week, *Two semester hours.* Mr. Wilcox.

8. CORNEILLE, RACINE. Two hours per week. *Two semester hours.* Mr. Wilcox.

9. MOLIÈRE. Two hours per week. *Two semester hours.* Mr. Wilcox.

10. VOLTAIRE, ROUSSEAU. Two hours per week. *Two semester hours.* Mr. Wilcox.

Courses 7, 8 alternate with Courses 9, 10. Courses 9, 10 will be offered in 1949-50.

11-12. FRENCH LITERATURE 1800-1860. Two hours per week. *Four semester hours.* Dr. Garrett.

13-14. FRENCH LITERATURE SINCE 1860. Two hours per week. *Four semester hours.* Dr. Garrett.

Course 11-12 alternates with Course 13-14. Course 11-12 will be offered in 1949-50.

15. ADVANCED GRAMMAR. Two hours per week. *Two semester hours.* Dr. Garrett.

16. ORAL FRENCH. Two hours per week and additional laboratory work. *Two semester hours.* Mr. Wilcox.

21. ROMANCE LANGUAGES. Preparation for teaching French. For third-year students. Three hours per week. *Three semester hours.* Mr. Wilcox.

22. CONVERSATION. Prerequisite: Course 16 and permission of the instructor. Three hours per week. *Three semester hours.* Mr. Wilcox.

SPANISH

Students whose major subject is Spanish must meet the following group requirements previous to graduation:

Spanish 5, 7, 8, 13-14.

History 3-4, 13-14.

Latin 1-2; 3-4 (or equivalent, i.e., four years of Latin in secondary school).

1-2. ELEMENTARY SPANISH. Three hours per week. *Six semester hours.* Mr. Elser.

3-4. INTERMEDIATE SPANISH. Three hours per week. *Six semester hours.* Mr. Matlack.

Prerequisite: Course 1-2 or equivalent (i.e., satisfactory completion, as shown by placement examination at Ursinus, of two or more years of Spanish in secondary school).

3a-4a. INTERMEDIATE SPANISH (for majors). Three hours per week. *Six semester hours.* Mr. Wilcox.

Prerequisite: Same as for Course 3-4.

N.B. Satisfactory completion of Course 3a-4a is prerequisite to all advanced work in the department.

5. ADVANCED GRAMMAR. Two hours per week. *Two semester hours.* Mr. Wilcox.

6. COMMERCIAL SPANISH. Two hours per week. *Two semester hours.* Dr. Garrett.

Courses 5, 6 alternate with Course 13-14. Course 13-14 will be offered in 1949-50.

7. MODERN SPANISH LITERATURE. Two hours per week. *Two semester hours.* Mr. Wilcox.

8. SPANISH LITERATURE OF THE GOLDEN AGE. Two hours per week. *Two semester hours.* Mr. Wilcox.

Courses 7, 8 alternate with Course 9-10. Courses 7, 8 will be offered in 1949-50.

9-10. SPANISH AMERICAN LITERATURE. Two hours per week. *Four semester hours.* Mr. Matlack.

13-14. ADVANCED COMPOSITION AND CONVERSATION. Three hours per week. *Six semester hours.* Mr. Matlack.

21. ROMANCE LANGUAGES. Preparation for teaching Spanish. For third-year students. Three hours per week. *Three semester hours.* Mr. Wilcox.

RUSSIAN

See under GERMANIC LANGUAGES

SOCIOLOGY

DR. J. A. MILLER

1-2. INTRODUCTION TO SOCIOLOGY. A fundamental course covering the fields of social organization and social control. The course aims at presenting a basis for a scientific understanding of society, and for further study in the field of sociology or of social work. Open to third-year and fourth-year students and to second-year students with the consent of the instructor. Three hours per week. *Six semester hours.* Dr. J. A. Miller.

SPANISH

See under ROMANCE LANGUAGES

SWEDISH

See under GERMANIC LANGUAGES

ADMINISTRATION

GRADES OF SCHOLARSHIP

On the completion of a course the standing of the student is expressed, according to his proficiency, by one of six grades, designated by letters: A, B, C, D, E, and F. The signs $\frac{+}{-}$ and — may follow the letters to denote further differences in proficiency. Letter A is taken to denote grades between 100% and 90%, B between 90% and 80%, and so on. The grade E denotes a failure which may be made up by re-examination. The grade F at the end of a term denotes a failure such that the class work must be repeated in order to secure credit for the course. For the purpose of taking averages, grade E is reckoned as equivalent to 55% and grade F as equivalent to 45%.

If by the end of the year a first year student fails to make an average of at least 65%, and if by the end of the year a student of a higher class fails to make a cumulative average of at least 70%, he is discontinued unless, on account of mitigating circumstances, he is permitted to remain by special action of the Faculty.

A permanent record is kept of each student's work, and a copy of the same is sent to his parent or guardian at the close of each term. The standing of first year students is reported also at mid-term. Through correspondence and conferences, the cooperation of parents is sought in the endeavor to obtain the best possible results in the work of students.

DEGREES

Ursinus College confers two degrees in course—Bachelor of Arts and Bachelor of Science. For specific requirements of the curricula leading to each of these degrees, see pages 31-41. Degrees are conferred only on academic occasions and candidates must present themselves in person.

The College may confer the honorary degrees of Doctor of Divinity, Doctor of Pedagogy, Doctor of Science, Doctor of Letters, and Doctor of Laws on persons whose distinguished ability and service have been deemed worthy of such recognition by the Faculty and the Board of Directors.

HONORS

COMMENCEMENT PARTS

Two commencement honors are assigned: one, the Valedictory, to the person attaining the highest standing in the graduating class; the other, the Salutatory, to the person attaining the next highest standing.

GRADUATION WITH DISTINCTION

Members of the graduating class who have shown great proficiency in their entire course may be graduated with distinction if, in the opinion of the Faculty, their attainments warrant such honors. These distinctions, *Summa Cum Laude*, *Magna Cum Laude*, and *Cum Laude*, are given only for unusual excellence in all the subjects pursued by the candidate.

DEPARTMENT HONORS

Students may be graduated with special honors in departments of study in which they have shown exceptional proficiency, and in which they have done extra work.

1. A candidate for Department Honors must have the endorsement of the professor in charge of the department in which he expects to try for such honors, and must enroll as a candidate at the Dean's office at least eight months prior to the anticipated date of graduation.

2. A student must maintain a grade not lower than C in any course pursued after the first year and must maintain an average of B while he is pursuing his work as a candidate for Department Honors.

3. A candidate must complete an amount of work equivalent to three semester hours in the department in which he intends to try for honors in addition to the full number of semester hours

prescribed for graduation. At least twelve semester hours must be in the subject in which he is registered for Department Honors. He must submit to the Faculty a thesis on some subject within the field represented by his extra work. The thesis must be presented at least one week before the time set for the senior final examinations.

PRIZES

THE PHILIP H. FOGEL MEMORIAL PRIZE

The Philip H. Fogel Memorial Prize of \$25 is awarded annually to the member of the Senior Class who has attained the highest excellence in the Department of Religion, as shown by examination on completion of at least twelve semester hours of work. The prize has been endowed by Mrs. Edwin J. Fogel in memory of her son Philip H. Fogel, Ph.D., of the Class of 1901.

THE ROBERT TRUCKSESS PRIZE

A prize of \$25 offered by Robert Trucksess, Esquire, of Norristown, Pennsylvania, is awarded annually at commencement to the member of the graduating class who has pursued the studies of the History-Social Science Group with the definite intention of entering the profession of law, and who in his college work has revealed superior ability and promise of success as a future member of the legal profession. The competition for this prize is open only to men.

THE PAISLEY PRIZES

Two prizes of \$25 each for the best dissertations on an assigned topic by members of the Senior Class, one open to men, the other open to women, endowed by Mr. and Mrs. H. E. Paisley, of Philadelphia. These prizes are offered with a view to encouraging students in the thoughtful application of the principles of Christianity to problems of practical life. The awards are made at the annual commencement exercises.

THE ELIZABETH ROCKEFELLER MCCAIN PRIZE

A prize of \$50 has been endowed in perpetuity by the late George Nox McCain, Litt.D., of Philadelphia, as a memorial to his mother, Elizabeth Rockefeller McCain. This prize is awarded at each annual commencement to the student who at the end of the second year has shown greatest ability in the knowledge and use of the English language as indicated by work in composition and literature.

THE BOESHORE PRIZES

Two prizes of \$25 each, endowed by Mr. and Mrs. Miller H. Boeshore of Philadelphia, one open to men, the other open to women, will be awarded at each annual commencement to those students who have attained the highest standing at the end of the first year in the study of Greek.

THE DUTTERA PRIZE

A prize consisting of the income of \$500 contributed by Mrs. Amos Duttera of Taneytown, Maryland, to be awarded to the student attaining the highest standing in the study of church history (Religion, Course 6).

THE URSINUS WOMEN'S CLUB PRIZE

A prize of \$20, offered by the Ursinus Women's Club, is awarded at graduation to the young woman who has attained highest distinction in athletic sports.

THE URSINUS CIRCLE PRIZE

A prize of \$15, offered by the Ursinus Circle, is awarded at Commencement to the young woman who has written the best pageant under the auspices of the Department of Public Speaking.

THE ELLEN BEAVER SCHLAYBACH MEMORIAL PRIZE

A prize of \$15, offered by the Omega Chi Sorority, is awarded to the woman of the Senior Class who has attained the highest scholastic average at the completion of her four

years. This prize is offered in memory of one of the Sorority's former presidents, Ellen Beaver Schlaybach, Class of 1938.

THE GEORGE DITTER PRIZE

The George Ditter Prize of \$25 is awarded annually at Commencement to that student in the graduating class whose work as a member of the History-Social Science Group gives promise of contributing most to the perpetuation of democratic self-government. This prize was established by George Ditter's son, the Honorable J. William Ditter, LL.D., and continued by George Ditter's grandchildren, Miss Mabel B. Ditter, Class of 1939, and Mr. J. William Ditter, Jr., Class of 1943.

THE ROSICRUCIAN PRIZE

The Rosicrucians, the honor society for women, have established a prize to be awarded at Commencement to the woman student who at the end of the Freshman year has the highest scholastic standing.

THE EDWIN M. FOGEL PRIZE

The Edwin M. Fogel Prize of \$25 is awarded annually to the student who, under the direction of the Department of History and the Department of German, submits the best essay on the contribution of the Pennsylvania Germans to American life and culture. The prize has been endowed by Edwin M. Fogel, Ph.D., Class of 1894, of Fogelsville, Pa.

THE ELIZABETH B. WHITE PRIZE

A prize of \$25 is awarded annually to the woman in the Senior Class who has chosen History as her major subject in college and who, in the judgment of the Department of History, gives greatest promise of successful continuance in that field or in social welfare work. This prize was established by Dr. Elizabeth B. White, Emeritus Professor of History.

THE GEORGE W. KEHL PRIZE

A prize of \$50 is awarded annually at Commencement to a member of the Sophomore or of the Junior Class who has been a good citizen of the College community, and whose helpfulness and friendliness have been outstanding. The George W. Kehl Prize was established by Miss Ada M. Fisher, Class of 1913, in memory of her uncle, Dr. George W. Kehl, of Reading, Pennsylvania.

THE I. CALVIN FISHER PRIZE

A prize of \$50 is awarded annually at Commencement to a member of the Sophomore or of the Junior Class who has been a good citizen of the College community, and whose helpfulness and friendliness have been outstanding. The I. Calvin Fisher Prize was established by Miss Ada M. Fisher, Class of 1913, in memory of her father, I. Calvin Fisher, D.D., Class of 1889.

THE LEIBENSBERGER CHARACTER AWARD

An award of \$20 is awarded annually at Commencement to a member of the Sophomore or of the Junior Class who has been a good citizen of the College community, and whose helpfulness and friendliness have been outstanding. The Leibensberger Prize was established by Mr. and Mrs. E. D. Leibensberger, Hershey, Pa. Mrs. Leibensberger is the former Merle L. Williamson, Class of 1931.

ATHLETICS

Ursinus maintains teams in intercollegiate competition in football, basketball (varsity and junior varsity), soccer, wrestling, golf, track, tennis, and baseball for men. The intramural program of athletics for men students includes league competition in touch football, basketball, and softball, and an elimination tournament in tennis.

The College maintains intercollegiate competition for women in the following sports: hockey (varsity and junior

varsity), basketball, (varsity and junior varsity), softball, tennis, and swimming. The intramural program provides recreation in hockey, basketball, tennis, and softball.

The gymnasiums, playing fields, and equipment available for the pursuit of these various sports are described under Buildings and Equipment (see pp. 98-101).

ORGANIZATIONS

A large number of organizations of many types and purposes provide ample scope for extra-curricular activity on the part of the students. These organizations are all approved by the Faculty and supervised by the Committee on Student Activities or the Dean of Men and the Dean of Women.

Student life on campus is controlled and regulated by the Men's Student Council and the Women's Student Government Association.

Religious thought and activity is fostered by the YMCA, the YWCA, the Brotherhood of St. Paul, the Lutheran Student Association, the Canterbury Club, and the Newman Club.

Many clubs serve the interests of students in particular subjects of study or future occupations: the James M. Anders Pre-Medical Society, the Beardwood Chemical Society, the English Club, the French Club, the German Club, the Spanish Club, the International Relations Club, the Pre-Legal Society, the Future Teachers of America, and the Business Administration Club.

Dramatics and debating are the province of the Curtain Club, Alpha Psi Omega, the Debating Club, and Tau Kappa Alpha.

Students interested in music are encouraged to join the College Choir, the Glee Club, the Meistersingers, the Band, and the Music Club.

Interest in athletics and the support of athletics at the College are fostered by the Varsity Club and the Women's Athletic Association.

A chapter of the American Veterans Committee has been organized at Ursinus.

There are ten local social organizations on the Ursinus campus. The fraternities are Sigma Rho, Zeta Chi, Alpha Phi Epsilon, Demas, and Beta Sigma Lambda. The sororities are Omega Chi, Alpha Sigma Nu, Kappa Delta Kappa, Phi Psi, and Tau Sigma Gamma.

PUBLICATIONS

THE URSINUS BULLETIN, of which the Catalogue is a number, is the official publication of the College. It is issued four times a year.

THE ALUMNI JOURNAL, the official publication of the Alumni Association, appears three times a year.

THE URSINUS WEEKLY is managed by a Board of Control representative of the Faculty and the student body, and edited by a staff chosen from among the students on a basis of merit. It is a weekly newspaper, interesting to students and alumni as a record of life at Ursinus.

THE LANTERN, student literary journal, is issued three times a year.

THE RUBY, published by the Senior Class, is a pictorial volume presenting an intimate view of the year's life, not only of the Class, but of the whole College.

POST OFFICE AND SUPPLY STORE

A Post Office is maintained on the campus for the accommodation of students. Adjacent to the Post Office is a Supply Store, in which is kept on sale college jewelry, stationery, confections, and students' supplies. New text-books are supplied on order.

EXPENSES

Ursinus College is a residential college. All students, except those who reside in their own homes, occupy rooms provided by the College and take their meals in the College dining-rooms.

The expenses for a term of sixteen weeks are therefore included in a Comprehensive Fee which covers class-room instruction; the use of laboratories, libraries, the gymnasium, and the infirmary; ordinary medical attention; care by the resident nurse; furnished room, including heat, light, and attendance; and table board, exclusive of Christmas and Spring recesses. The Comprehensive Fee for men is \$445 to \$465, depending upon location of room. The Comprehensive Fee for women is \$465 to \$490, depending upon location of room. The Fee for a student living in his own home is \$237.50 per term. The College reserves the right to make reasonable alterations in the Comprehensive Fee at the beginning of any term in order to cover possible unforeseen costs.

An Activities Fee of \$7.50 is charged each semester to cover the following: subscription to the *Ursinus Weekly*, admission to all athletic games at the College, admission to Curtain Club plays, College dances, intercollegiate debating, the Christian associations, the Ursinus College Forum, and a number of other activities.

Each resident student supplies his own towels, two pairs of sheets for a single bed, mattress protector, a pair of pillow cases (19 x 34), a pair of blankets, and a bedspread.

First-year students, except those whose presence is needed for service, are required to vacate their rooms immediately following the second-term examinations.

Extra charges are as follows:

A fee of \$50, payable upon presentation of bill, is required of each student engaged in practice teaching.

To a student in his senior year, a graduation fee of \$10 is charged in the last bill of the senior year.

A deposit of \$10 is required of each student to defray any expense incurred by injury to property. The unexpended balance is returned to the student when he leaves the institution.

A charge of \$1 is made for the transcript of a student's record. Requests for such transcripts should be made to the Office of the Dean.

A student who is absent from College on account of sickness or for any other reason, and retains his place in class, pays the Comprehensive Fee in full during his absence, except when the absence is continuous over a period exceeding two weeks, in which case resident students are allowed a rebate of \$5 for each full week, on account of table board. No refund is allowed on account of dismissal or withdrawal of a student from the College during a term.

Since the College provides a health service available to all resident students of the institution, which provides attention and care by its physicians and resident nurses, the College will not pay bills that students contract with hospitals or with physicians or nurses not on the staff of the College. The College reserves the right to enforce quarantine and to engage the services of special attendants if necessary, but will not be responsible for the compensation of extra physicians, nurses, or attendants, which compensation must be provided by the student or his parent or guardian.

FEEES FOR INSTRUCTION IN MUSIC

Private individual instruction (organ, piano, violin, voice, or any band or orchestral instrument) \$30, one half-hour lesson each week during regular term.

PAYMENT OF BILLS

A candidate for admission must pay a Pre-Matriculation Fee of \$10 on account at the time he files his application. If

he is not accepted or if he fails to complete his matriculation, the fee is not refunded. If he completes matriculation the fee is credited to his account.

An enrolled student must pay \$10 in order to qualify for drawing a room. In order to reserve a place in the College a new student must make an advance payment of \$50 upon his acceptance by the College, and all regularly enrolled students must make an advance payment of \$50 at such time as may be designated by the College. These payments are forfeited if the student fails to complete his registration.

The Comprehensive Fee is due upon presentation of bill and must be paid no later than the opening day of each term.

Bills are issued approximately thirty days in advance. Students whose accounts are still open will not receive credit for attendance upon classes after the dates of settlement announced above.

No student who is indebted to the College or to any of its departments or agencies will be permitted to register at the beginning of any term, and all items due the College from a candidate for graduation must be paid before the candidate may be presented for a degree.

Checks should be made payable to Ursinus College.

SCHOLARSHIPS

APPLICATION FOR SCHOLARSHIPS

Scholarship application forms may be obtained from the Office of the Registrar. Candidates for scholarships must complete and submit a scholarship application form and an application for admission form by March 1. The regular Pre-Matriculation Fee of \$10 must accompany the application.

SCHOLARSHIPS

The College offers to each class at admission eight Open Scholarships carrying full tuition. These at present have a value of \$475 for each academic year. Many endowed scholarships, varying in value from \$50 to \$200 a year, are available. Each scholarship is tenable for four years, provided that the holder's conduct and scholastic work remain satisfactory. All scholarships to first-year students are awarded on the basis of the results of competitive examinations. Correspondence regarding scholarships should be addressed to the Registrar.

PERMANENT SCHOLARSHIPS

The College possesses a number of permanent scholarship funds. The income of each fund is assigned annually to a student designated by the College. The list of these scholarships is as follows:

THE JOHN ALEXANDER SCHOLARSHIP, founded by John Alexander, D.D., of St. Louis, Missouri, in appreciation of benefits enjoyed when a student in the College, \$1,000

THE APPEL MEMORIAL SCHOLARSHIP, founded under the will of the Rev. Richard S. Appel, D.D., as a memorial to his son Robert S. Appel, A.B., '01, 2,000

THE ASPDEN MEMORIAL SCHOLARSHIP, founded by Newton J. Aspden, of Trinity Reformed Church, Philadelphia, in memory of his beloved wife, Levinah Erb Aspden, 5,000

THE BAHNER SCHOLARSHIP, founded in 1919 by the members of Trinity Reformed Church, Waynesboro, Pa., in honor of the Rev. Franklin F. Bahner, D.D., '73 and his wife, Mary Ella Bahner, on their completion of forty-two years of devoted service in the pastorate of the Waynesboro charge, 1,000

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THE BECK SCHOLARSHIP, founded by the Rev. Samuel W. Beck, of Littlestown, Pa., in appreciation of the scholarships awarded to his four daughters, the income to provide scholarships for girls who plan to teach,	\$1,000
THE AUGUSTUS BEHNEY SCHOLARSHIP, founded by Charles A. Behney, M.D., '12, in memory of his father,	3,500
THE VALERIA BEHNEY SCHOLARSHIP, founded by Charles A. Behney, M.D., '12, in memory of his mother,	3,500
THE BETHANY TABERNACLE SCHOLARSHIP, founded by the congregation of Bethany Tabernacle Reformed Church, Philadelphia, the Rev. H. H. Hartman, '94, pastor,	2,000
THE J. WILLIAM BIRELEY SCHOLARSHIP, founded by J. William Bireley of Frederick City, Md.,	1,000
THE ANNA M. BOMBERGER SCHOLARSHIP, founded by Anna M. Bomberger, with gifts amounting to \$600 and completed by Mrs. H. S. Bomberger, both of Lancaster, Pa.,	1,000
THE JOHN BROWNBACK MEMORIAL SCHOLARSHIP, founded by Melinda M. Acker and Mary M. Brownback, of Uwchland, Chester County, Pa., in memory of their father,	1,000
THE MARY M. BROWNBACK SCHOLARSHIP, founded under the will of Mary M. Brownback, of Uwchland, Chester County, Pa.,	1,000
THE CARSON SCHOLARSHIP, founded under the will of Captain John Carson, of Newburg, Cumberland County, Pa.,	1,000
THE CHRIST CHURCH, HELLERTOWN, SCHOLARSHIP, founded by the congregation of Christ Evangelical and Reformed Church, Hellertown, Pa., the Rev. Adam E. Schellhase, '18, pastor,	1,000
THE JOHN H. CONVERSE SCHOLARSHIP, founded by John H. Converse, of Philadelphia,	1,000
THE CUB AND KEY SCHOLARSHIP, founded by The Cub and Key Society,	1,059.23
THE DEITZ SCHOLARSHIP, founded by Gilbert A. Deitz, '18, and Purd E. Deitz, '18, in memory of Martha E. Deitz and Mattie A. Deitz,	1,000
THE BARNABAS DEVITT SCHOLARSHIP	1,000

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THE ELSIE DEVITT SCHOLARSHIP	\$1,000
THE EMMA MAYBERRY DEVITT SCHOLARSHIP	1,000
The Devitt Scholarships were founded under the will of Emma Devitt of Philadelphia, Pa.,	
THE DOLL FAMILY SCHOLARSHIP, founded by George Doll, Adaline Doll, and Josephine Doll of Philadelphia,	2,037.92
THE CHARLES AND ELIZABETH DRUMM SCHOLARSHIP, founded by Charles Drumm, of Philadelphia, Pa.,	4,000
THE ERB SCHOLARSHIP, founded by the Rev. William H. Erb, '93, and Andora Erb,	2,000
THE FETTEROLF MEMORIAL SCHOLARSHIP, founded under the will of Abraham D. Fetterolf, of Collegetown, Pa.,	2,000
THE JOHN B. AND HORACE A. FETTERS SCHOLARSHIP, founded under the will of Mary M. Brownback, of Uwchland, Chester County, Pa.,	1,000
THE JOHN B. FETTERS MEMORIAL SCHOLARSHIP, founded by Rebecca B. Fetters, of Uwchland, Chester County, Pa., in memory of her son, who died after a week's attendance at College in September, 1885,	1,000
THE ALICE L. AND WILLIAM D. FOX SCHOLARSHIP, founded under the will of Alice L. Fox, of Lebanon, Pa.,	1,000
THE HENRY FRANCIS SCHOLARSHIP, founded by Henry Francis, of Spring City, Pa.,	1,000
THE ELIZABETH FREY SCHOLARSHIP, founded by gift of Elizabeth Frey, of Stewartstown, Pa.,	11,500
THE GRACE CHURCH SCHOLARSHIP, founded by Milton Warner and Wilson H. Lear, of Grace Reformed Church, Philadelphia, Pa.,	1,000
THE HEIDELBERG SCHOLARSHIP, founded by a member of Heidelberg Reformed Church, York, Pa.,	1,000
THE NORA SHULER HELFFERICH SCHOLARSHIP, founded to honor Nora Shuler Helfferich, '93, by her daughter-in-law, Anna Knauer Helfferich, '20, the income to be awarded to needy and deserving women students,	1,500

THE WILLIAM URSINUS HELFFERICH SCHOLARSHIP, founded by Christ Reformed Church, Bath, Pa., on the twenty-fifth anniversary of the ministry of their pastor, and increased by later gifts,	\$1,490
THE WILLIAM A. HELFFRICH SCHOLARSHIP, founded by the Rev. W. A. Helffrich, D.D., of Fogelsville, Pa.,	1,000
THE GEORGE W. AND FRANCIS R. HENCH SCHOLARSHIP, founded by the Rev. S. M. Hensch, D.D., of Trappe, Pa., in memory of his parents,	1,500
THE MATTIE B. HENCH SCHOLARSHIP, founded by Mrs. Mattie B. Hensch, of Trappe, Pa.,	1,200
THE JOSEPH H. HENDRICKS MEMORIAL SCHOLARSHIP, founded in memory of the Rev. Joseph H. Hendricks, D.D., for forty-three years (1862-1905) pastor of Trinity Church, Collegeville, and for eighteen years (1887-1905) a Director of Ursinus College, by his friend, Jacob P. Buckwalter, of Macon, Georgia,	5,000
THE HILLTOWN SCHOLARSHIP, founded by the Hilltown charge of the Reformed Church in the United States, Bucks County, Pa.,	1,000
THE FREELAND G. HOBSON SCHOLARSHIP, founded under the will of Freeland G. Hobson, LL.D., '76, of Collegeville,	1,000
THE MARY E. AND JAMES M. S. ISENBERG SCHOLARSHIP, founded by Paul H. Isenberg, '21, Lillian Isenberg Bahney, '23, and Helen Isenberg Ballantyne, '24, in memory of their parents,	1,000
THE JEFFERSON MEDICAL COLLEGE SCHOLARSHIP, founded by Lewis Cass Scheffey, M.D., Sc.D., to aid students who plan to enter Jefferson Medical College,	2,000
THE SAINT JOHN'S, ORWIGSBURG, SCHOLARSHIP, founded by the congregation of Saint John's Reformed Church, Orwigsburg, Pa., the Rev. D. R. Krebs, D.D., '02, pastor,	1,000
THE KEELEY SCHOLARSHIP, founded by Joseph Keeley, of Spring City, Pa.,	1,000
THE KELKER SCHOLARSHIP, founded by Rudolph F. Kelker, of Harrisburg, Pa.,	1,000
THE FRANCIS KREADY SCHOLARSHIP, founded by Francis Kready, of Lancaster, Pa.,	2,000

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THE FRANKLIN W. KREMER MEMORIAL SCHOLARSHIP, founded by the Rev. F. W. Kremer, D.D., with gifts amounting to \$500, and completed by the Sunday School of the First Reformed Church, of Lebanon, Pa., in grateful memory of his thirty-eight years' pastorate, \$1,000

THE LEROY BOYER LAUBACH SCHOLARSHIP, founded in memory of LeRoy Boyer Laubach by his mother, Mrs. M. B. Laubach, of Philadelphia, Pa., 2,000

THE SARAH J. LEIPHART SCHOLARSHIP, founded under the will of Sarah J. Leiphart, of York, Pa., 9,842.81

THE FRANCIS MAGEE SCHOLARSHIP, founded by the late Francis Magee, of Philadelphia, 1,000

THE AARON E. MARCH SCHOLARSHIP, founded by Aaron E. March, of York, Pa., 2,000

THE MARKLEY SCHOLARSHIP, founded by Dr. Mary E. Markley, '02, in memory of her father, the Rev. A. B. Markley, D.D., '76, 1,000

THE SAINT MARK'S SCHOLARSHIP, founded in 1918 by the members of Saint Mark's Reformed Church, Lebanon, Pa., in honor of their pastor, the Rev. I. Calvin Fisher, D.D., '89, and his wife, Eva S. Fisher, and in celebration of their twenty-fifth anniversary in the pastorate of Saint Mark's Church, 1,000

THE JAMES W. MEMINGER SCHOLARSHIP, founded by the congregation of Saint Paul's Reformed Church, Lancaster, Pa., in honor of the Rev. James W. Meminger, D.D., '84, former pastor, 1,000

THE MEYRAN SCHOLARSHIP, founded by Louis A. Meyran and his wife, Marie H. Meyran, of Grace Reformed Church, Pittsburgh, Pa., 2,000

THE MURTHA SCHOLARSHIP, founded under the will of D. Charles Murtha, '86, to aid students who plan to enter the Christian ministry, 19,869.85

THE ANNIE NEFF SCHOLARSHIP, founded under the will of Annie Neff, of Alexandria, Huntingdon County, Pa., 1,500

THE MARTIN B. NEFF SCHOLARSHIP, founded by Annie Neff in memory of Martin B. Neff, of Alexandria, Pa., and in recognition of his life-long interest in Ursinus College, 1,800

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THE NOSS SCHOLARSHIP, founded by Charles H. Noss, of York, Pa., in memory of his parents, William S. Noss and Emma S. Noss,	\$2,500
THE GEORGE LESLIE OMWAKE SCHOLARSHIP FUND, founded by several hundred alumni and other friends of the sixth president of Ursinus College,	25,445.65
THE OMWAKE MEMORIAL SCHOLARSHIP, founded by W. T. Omwake, Esq., of Waynesboro, Pa., as a memorial to his parents, Henry and Eveline Beaver Omwake,	2,000
THE PAISLEY SCHOLARSHIP, founded in honor of Mrs. Carrie Strassburger Paisley, of Trinity Reformed Church, Philadelphia,	2,000
THE SAINT PAUL'S, LANCASTER, SCHOLARSHIP, founded by the congregation of Saint Paul's Reformed Church, Lancaster, Pa., the Rev. T. A. Alspach, D.D., '07, pastor,	2,000
THE PENNSYLVANIA FEMALE COLLEGE MEMORIAL SCHOLARSHIP, founded by the Glenwood Association, a body of former students of the Pennsylvania Female College, in recognition of the earlier work done at Collegeville for the higher education of women,	3,000
THE NERI F. AND SERENA J. PETERS SCHOLARSHIP, founded in memory of the Rev. and Mrs. Neri F. Peters by their children,	1,000
THE JESSE W. ROBERTS MEMORIAL SCHOLARSHIP, founded by Charles V. Roberts, '32, in memory of his father,	2,000
THE SILAS H. RUSH SCHOLARSHIP, founded in memory of her parents, Mr. and Mrs. Silas H. Rush, by Mrs. E. R. Hoffman, of Philadelphia,	1,000
THE SCHEER MEMORIAL SCHOLARSHIP, founded under the will of Thekla Ida Scheer, in memory of her father, the Rev. George A. Scheer, D.D., '76, the income to be used to aid students who plan to enter the Christian ministry,	5,000
THE SCHWENKSVILLE COMMUNITY SCHOLARSHIP, founded by the citizens of Schwenksville, Pa.,	1,902
THE JOCELYN XANDER SHEEDER SCHOLARSHIP, established by the late S. Elizabeth Xander, of Philadelphia, Pennsylvania,	1,000

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THE J. B. SHONTZ MEMORIAL SCHOLARSHIP, founded by the Congregation and Sunday School of Saint John's Reformed Church, Chambersburg, Pa., in memory of their former pastor, the late Rev. J. B. Shontz,	\$1,000
THE A. LIZZIE SHREINER SCHOLARSHIP, founded under the will of A. Lizzie Shreiner, of Lancaster, Pa.,	1,350
THE SIEBERT SCHOLARSHIP, founded under the will of P. W. Siebert, of Pittsburgh, Pa.,	1,004
THE GEORGE S. SORBER SCHOLARSHIP, founded by the Rev. George S. Sorber, D.D., of York, Pa.,	2,000
THE NATHAN SPANGLER SCHOLARSHIP, founded by Nathan Spangler, of York, Pa.,	1,000
THE SPRANKLE SCHOLARSHIP, founded under the will of Samuel Sprankle, of Altoona, Pa.,	2,000
THE STAUFFER MEMORIAL SCHOLARSHIP, founded in memory of Robert Ursinus and John Donald Stauffer, deceased children of the Rev. J. J. Stauffer, by gifts amounting to \$500 from the pastor and members of the Lykens Valley charge, and completed by a bequest of \$500 under the will of Elizabeth Ritzman, of Gratz, Pa.,	1,000
THE CLEMENTINA R. STEWART SCHOLARSHIP, founded under the will of Clementina R. Stewart, of Myerstown, Pa.,	1,000
THE TRINITY BIBLE SCHOOL SCHOLARSHIP, founded by the Bible School of Trinity Reformed Church, Philadelphia,	2,425
THE TRUMBOWER MEMORIAL SCHOLARSHIP, founded by Mr. H. C. Trumbower, of Trinity Reformed Church, Philadelphia, in memory of his parents, Dr. Lewis T. and Annie B. Troxel Trumbower,	5,000
THE ABRAHAM WAGNER SCHOLARSHIP, founded under the will of Abraham Wagner, of the Robinson Church, Berks County, Pa.,	1,000
THE GEORGE A. WALKER SCHOLARSHIP, founded under the will of George A. Walker, of Philadelphia, Pa.,	10,000
THE GEORGE WOLFF SCHOLARSHIP, founded by the Rev. George Wolf, D.D., of Myerstown, Pa.,	1,000

LOAN FUND

A loan fund has been established through gifts of individuals and an appropriation by the Board of Directors. Loans are made to upper-class students under a contract providing definitely for their repayment. Application must be made to the President of the College, who is custodian of the Fund.

BUREAU OF STUDENT HELP

The Bureau, conducted under the management of officers of the College, provides opportunities for students to earn a part of their expenses by working as waiters, laboratory assistants, library assistants, typists, and clerks in the Supply Store. These positions are standardized so as not to overburden the student or to interfere with his studies. Positions accepted under the Bureau of Student Help must, however, always take precedence over any other extracurricular activities. A standard position, such as a waitership in the dining room, pays two hundred and five dollars per year. Approximately two hundred positions, representing varying amounts of compensation and types of work, are now open to students.

Letters of application, as well as those requesting information, should be addressed to Dr. Charles D. Mattern, Director of Student Help.

MEDICAL SERVICE

The Comprehensive Fee paid by resident students entitles them to ordinary medical attention. The College Physician may be consulted in his office on the campus during office hours. He will regularly visit patients in the infirmaries and students confined to their rooms by illness. The Resident Nurses care for the sick under the direction of the College Physician.

Each student is given a physical examination on entering College.

PLACEMENT BUREAU

Ursinus College conducts a Placement Bureau to assist students and graduates in finding positions for which they qualify. Its function is to serve as a point of contact for Seniors and Alumni with educational institutions, industry and business. Detailed personal and scholastic records of Seniors are compiled and are available, along with a photograph, for all prospective employers. No fee is charged for this service.

This Bureau cooperates with the Teachers' Bureau, Department of Public Instruction, Harrisburg, Pa., and the Teacher Placement Association, of which Ursinus College is a member.

Alumni Placement—The Placement Bureau, acting as a clearing house for the placement of alumni seeking employment or new positions, urges alumni to place their names on the list of available candidates. Communications should be addressed to Dr. Jesse S. Heiges, Director of Ursinus Placement Bureau, Collegeville, Pa.

BUILDINGS AND EQUIPMENT

BUILDINGS

BOMBERGER MEMORIAL HALL, named for J. H. A. Bomberger, President of Ursinus College, 1870-1890, is a large and imposing structure in the Romanesque style of architecture, built of Pennsylvania blue marble. This building is for the use of the departments of language and literature, the social sciences, history, philosophy, religion, public speaking, and music. In it are the chapel, twelve classrooms, six conference rooms, a seminar room, two music studios, two day studies, and the offices of the Dean, the Dean of Men, the Registrar, the Treasurer, and the Director of Student Teaching and Placement. The erection of Bomberger Hall was made possible by the benefactions of the late Robert Patterson. The **CLARK MEMORIAL ORGAN**, the gift of Mrs. Charles Heber Clark of Conshohocken, Pa., occupies a position in the front of the chapel in Bomberger Hall. The organ is a memorial to the late Charles Heber Clark, LL.D.

PFAHLER HALL OF SCIENCE, erected in 1932, and named in honor of Dr. George E. Pfahler, is a stone and concrete building. The first floor and basement are devoted to work in psychology, education, mathematics, and physics, the second floor to biology, and the third floor to chemistry. The building contains the offices of the President and Vice-President, the Levi Jay Hammond Laboratory of Comparative Anatomy, the W. Wayne Babcock Laboratory of General Biology, the Anna Heinly Schellhamer Laboratory, the Schellhamer Laboratory, nine other teaching laboratories, two laboratories for research, nine professors' laboratories and offices, seven classrooms, a lecture hall with gallery and projection booth, and a library. The building is equipped with a deck for astronomical observation, on which is mounted the Elihu Thomson Memorial Telescope.

The ALUMNI MEMORIAL LIBRARY contains reading rooms, offices of the Library Staff, seminar rooms, work room, Faculty and Directors room, stacks, vaults containing rare books, manuscripts and college archives, and a museum. The museum houses The Shaw-Bernard Collection (the gift of Mr. J. Maxwell Shaw, of Chester, Pennsylvania), which contains hundreds of miscellaneous museum pieces collected from all parts of the world. This building, erected by the alumni and non-graduate former students, is a tribute to their fellows who served their country in World War I and a memorial to those who gave their lives.

THE THOMPSON-GAY GYMNASIUM, built in 1927, occupies a convenient position adjoining Patterson Field and John B. Price Field. It is built of native brownstone, structural steel, and concrete. It contains a playing-floor, a gallery for spectators, locker rooms, shower rooms, coaches' offices, and storage rooms. At one end of the main floor is a completely equipped theatrical stage. Portable seating constitutes part of the equipment of the building. This building is a memorial to Robert W. Thompson, '12, and George H. Gay, '13, noted Ursinus athletes, both of whom died in their senior year in College.

The COLLEGE GYMNASIUM, erected in 1947, is located near the Thompson-Gay Gymnasium and Price Field. It contains a large basketball court, two single handball courts, seating for 800 spectators, two dressing and shower rooms for players, a dressing room for officials, and storage rooms.

PATTERSON FIELD, named for Robert Patterson, first great benefactor of the College, contains the varsity football field, space for competition in field events, and a quarter mile track with a 220 yard straightaway. The steel grandstand provides seating for 1440 spectators.

PRICE FIELD, named for Dr. John B. Price, '05, one of the great athletes in Ursinus history, contains the soccer field,

the baseball diamond, several softball fields, and football practice ground.

The College has six tennis courts, two of which have all-weather surface, in the rear of Curtis Dormitory.

The women's hockey fields are located in the rear campus near the Alumni Memorial Library.

FREELAND HALL, erected in 1848, the original building of Freeland Seminary, DERR HALL, and STINE HALL constitute a group of buildings for domestic purposes. The buildings are of stone, four stories in height with a fifth story of dormer rooms. On the two lower floors are the dining rooms, four in number, the kitchen, storage and refrigeration rooms, and the office of the steward. The upper floors are fitted up for the residence of men students. The rooms are of varying size, designed for one or two occupants, a number being arranged *en suite*.

THE BRODBECK and CURTIS DORMITORIES FOR MEN are buildings in English Colonial style. Each building has four floors. The rooms are spacious, well-lighted, and easy of access by means of fireproof stairways. They bear the names of esteemed benefactors of the College, Andrew R. Brodbeck and Cyrus H. K. Curtis.

FIRCROFT, a residence for women students, was presented to the College by Miss Sara E. Ermold as a memorial to her mother, Ella N. Ermold.

HOBSON HOUSE is located at Sixth Avenue and Main Street. It is used as a residence hall for women.

FETTEROLF HOUSE, fronting on Main Street and facing the College campus, is a residence hall for men.

SHREINER HALL, fronting on Main Street and facing the College campus, is a residence hall for women. This is a three-story brick building arranged for the accommodation of twenty-nine students. On the first floor are a reception room and the office of the Dean of Women.

DURYEA HALL, next to Shreiner Hall, is a residence hall for fourteen women and a faculty family.

TRINITY COTTAGE, familiarly known as South Hall, is a residence for women located on Sixth Avenue. The building, with the grounds on which it is located, represents a joint benefaction to the college by the late Henry M. Housekeeper, who was an elder in Trinity Reformed Church, Philadelphia, and the late Abram G. Grater, who was an elder in Trinity Reformed Church, Norristown, Pa.

THE MAPLES, a three-story building located on Main Street, opposite the east campus, is a residence hall for women.

SPRANKLE HALL, on the east campus fronting Fifth Avenue, is a residence hall and infirmary for women.

SUPERHOUSE, a residence on Main Street opposite the campus, bequeathed to the College by the late Henry W. Super, D.D., LL.D., Vice-President and Professor of Mathematics, 1870-1891, and President, 1892-1893, is the home of the Vice-President.

LYNNEWOOD is a private residence hall for women, on Main Street opposite the west campus.

GLENWOOD, CLAMER HALL, 646 MAIN STREET, 942 MAIN STREET, 944 MAIN STREET, Collegeville, and 27 MAIN STREET, Trappe, are buildings leased by the College to provide additional residence quarters.

THE ANNEX is a commodious, modern, stone, fireproof building leased by the College, situated on the outskirts of Collegeville. It houses one hundred and five men students and two faculty residents.

THE EGER GATEWAY, erected by the generosity of George P. Eger, of Reading, Pennsylvania, stands at the entrance of the walk leading from Main Street to Freeland Hall.

LIST OF STUDENTS, 1948-49

Leon Edward Abel (2 Biology)	Atlantic City, N. J.
John Henry Ace (1 Biology)	Lima
Elam Gail Ackerman (4 Business Administration)	Stowe
Franklin Eugene Ackerman (1 Biology)	Stowe
Guenter Rolf Ackerman (2 Chemistry)	Philadelphia
Donald Rheese Aikens (1 English)	Bala-Cynwyd
Chadwick Fairfax Alger (4 Political Science)	Yardley
Avis Wilder Allen (1 Biology)	Schwenksville
Martin Luther Allen (3 Business Administration)	Norristown
Ruth Elizabeth Andes (1 Business Administration)	Reading
Bruce Thomas Andrews, Jr. (2 Mathematics)	Philadelphia
William Radcliffe Anson, Jr. (2 Mathematics)	Norristown
Sara Charlotte App (3 English)	Lansdowne
Barbara Ann Ardell (1 Physical Education)	Conshohocken
Sheila Macdonald Armstrong (2 History)	Havertown
Robert Kredel Arters (4 Business Administration)	Mont Clare
John Burch Arthur (2 Business Administration)	Philadelphia
Cyril Steven Arvanitis (4 Biology)	Long Branch, N. J.
Charles Atkinson (1 English)	White Plains, N. Y.
Walter Edward Atkinson (1 History)	White Plains, N. Y.
Elizabeth Ann AuWerter (3 Chemistry)	Philadelphia
David Isenberg Bahney (4 Business Administration) ...	Myerstown
Donald Owen Bailey (3 Business Administration)	Cedars
Frank Rose Bailey, Jr. (1 Biology)	Essex Fells, N. J.
Calvin Daniel Baker (2 History)	Collegeville
Stephen Banko (1 Business Administration)	Bethlehem
Julia Carolyn Barber (1 Biology)	New Britain
Nancy Ruth Bare (2 English)	Lancaster
Robert Frederick Barnes (1 Physical Education)	Phoenixville
Arthur Howard Baron (3 Business Administration) ...	Philadelphia
Donald Sydney Bartman (4 History)	Pottstown
Sally Stewart Bartsch (4 History)	Fairview Village
Frank Philmore Baskin (2 Biology)	Philadelphia
John David Baskin (2 Biology)	Freeland
Janice Marion Batchelder (4 English)	Bridgeport
Dorothy Mae Baum (1 Biology)	York
Phyllis Hope Baumann (1 English)	Bergenfield, N. J.
Robert Joel Baumgart (4 Business Administration) ..	New York, N. Y.
Willard Ellis Baxter (2 Mathematics)	Norwood
Hugh Arthur Beahm, Jr. (4 Business Administration) ..	Port Kennedy

List of Students

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- Eugene Fellows Carpenter, 3d (2 Biology).....Lansdowne
 John Richard Carson (2 English).....Philadelphia
 Richard Paul Carson (2 History).....Turtle Creek
 Andrew Godfrey Carter (1 Physical Education).....Ambler
 John Stubert Carter (3 Business Administration).....Ambler
 Nancy Lou Carver (2 Business Administration).....Rahns
 John William Cashore (1 Biology).....Bridgeport
 William Negus Castor (2 German).....Philadelphia
 Theodore Highley Cauffman (Part-time).....Norristown, R. D.
 Anthony Joseph Certa (2 Biology).....Norristown
 Russell Robert Chalmers (1 Business Administration).....Oreland
 Walter Edmund Chambers (3 Business Administration)
 Lansdale, R. D.
 Frank Galey Chandler (2 History).....Wynnewood
 William Edwards Chatlos (2 Political Science).....Turtle Creek
 John Richard Cheesman (1 Business Administration) ..Mt. Holly, N. J.
 Richard Clinton Cherry (2 Business Administration)
 Maplewood, N. J.
 John Joseph Chesna (3 Biology).....Philadelphia
 John Horace Christ (2 Chemistry).....Glenside
 Walter John Christensen, Jr. (1 Business Administration)
 Livingston, N. J.
 Janice Marie Christian (1 Physical Education).....Westfield, N. J.
 Jeanne Whiting Cilley (1 Physical Education).....Media
 Guillian George Clamer (3 English).....Haddonfield, N. J.
 John Gordon Clarke (4 Romance Languages).....Pottstown
 Donald Earl Clark (1 Mathematics).....Glenside
 Peggy Anne Clarke (2 Business Administration).....Philadelphia
 Samuel Williams Clover, 2d (1 History).....Willow Grove
 Earl Eugene Clum (3 Mathematics).....Chesterhill, Ohio
 Norman Nathan Cohen (1 Biology).....Philadelphia
 Norma Lee Cole (4 English).....Cumberland, Md.
 Horace Thornton Colehower, Jr. (3 Business Administration)
 Chester Springs
 Robert LaVallette Coleman (1 Business Administration) .Philadelphia
 Jacob Salvatore Colletti (1 Biology).....Norristown
 Malcolm Dudley Condie (2 Biology).....Hammonton, N. J.
 Richard Paul Condie (1 Business Administration) ..Hammonton, N. J.
 Frederick Joseph Conlin (1 Business Administration)Erdenheim
 Walter Earl Cooke (3 Chemistry).....Spring City
 Edward West Cooper (1 Business Administration) ...Gloucester, N. J.
 Sonia Claire Copes (1 Business Administration) ...Ventnor City, N. J.

List of Students

107

Constance Burchard Derr (3 Chemistry).....Reading
 Joyce Elaine Derstine (3 Romance Languages).....Pottstown
 Dorothy Wynn Detwiler (1 Mathematics).....Collegeville
 James Francis Devlin (1 Business Administration).....Wynnewood
 Lane Kent Dewees (1 Mathematics).....Norristown
 Randolph Austin DeWitt (2 Chemistry).....Ardmore
 LeRohn Daniel Deysher (2 Business Administration)....Collegeville
 Wainwright E. H. Diehl (2 History).....Bath
 Russell Bartram Diemer (4 Chemistry).....Spring City
 Dorothy Louise Dietrich (1 English).....Oley
 George Edward Dillinger, Jr. (4 Biology).....Philadelphia
 Raymond Dippel (3 Mathematics).....Audubon, N. J.
 Peter Theodore Dolas (2 Business Administration) ..New York, N. Y.
 Clarence Harry Domm (2 English).....Doylestown
 Gerald Brandon Donahue (1 Romance Languages) .Atlantic City, N. J.
 Marjorie Bunting Donaldson (1 Mathematics).....Yeadon
 George Minton Dougherty, Jr. (4 Business Administration)

Houston, Texas

Paul Larrabee Doughty (1 Physical Education).....Beacon, N. Y.
 Harry Millard Downs (1 Business Administration).....Jenkintown
 Daniel Edward Draper (3 Biology).....Zieglerville
 Raymond Roger Drechsler (2 History).....Arlington, Va.
 Robert Lodge Dressner (1 Business Administration)....Camden, N. J.
 Carl Richard Drobek (4 Mathematics).....Birdsboro, R. D.
 Manfred Emil Drummer (3 Biology).....Red Hill
 James Jefferson Duncan (1 Business Administration)....Philadelphia
 Joanne Elizabeth Duncan (3 Physical Education).....Upper Darby
 Eleanore Coale Dunn (1 History).....Somerville, N. J.
 Herbert Frederick Dunn (4 History).....Hempstead, N. Y.
 Charles Roth Dutill (1 English).....Conshohocken
 Brandt Noe Earhart (2 Biology).....Blue Bell
 Gerald Maurice Edelman (2 Biology).....Ozone Park, N. Y.
 John Ray Edleman (1 Physical Education).....Royersford
 Frank Marshall Edwards (3 History).....Quakertown, R. D.
 Charles Harold Egge (2 History).....York
 Lois Virginia Ehlman (2 Mathematics).....Philadelphia
 John Michael Ehnnot (1 Business Administration).....Phoenixville
 Louise Marea Eisenhower (3 Romance Languages).....York
 Daniel Joseph Eliff, Jr. (4 Business Administration).....Bridgeport
 Walter Bruce Elliott (2 Business Administration).....Pottstown
 William Jawwood Elliott (3 Business Administration)....Norristown
 Patricia Anne Ellis (4 Physical Education).....Oaklyn, N. J.

Herbert Jay Ely (1 Physics).....	Baederwood
Gladys Madeline Engelbrecht (2 Biology).....	Williamstown, N. J.
Elizabeth Ann Eschelman (4 Biology).....	Birdsboro
Harold Ettinger (3 Biology).....	Yeadon
Mary Olivia Evans (3 Physical Education).....	Lansdowne
Frank B. Everett (4 Mathematics).....	Kunkletown, R. D.
Mary Elizabeth Ewen (4 Business Administration).....	Vincentown, N. J.
Robert Alexander Ewing (2 Business Administration).....	Swarthmore
Rita Annleah Fabiani (4 Biology).....	Temple
James Kenneth Fahs (4 Mathematics).....	Philadelphia
William Wallace Fairweather, Jr. (1 Romance Languages)	Haddonfield, N. J.
William Cook Faltermayer (1 Business Administration).....	Philadelphia
Earl Frederick Fargo (2 English).....	Sellersville
Joan Farquhar (1 Chemistry).....	Wyndmoor
Catherine Elsie Faust (4 History).....	Gilbertsville, R. D.
Florence Mabel Faust (2 English).....	Gilbertsville, R. D.
Charles Parr Fawthorp (4 Chemistry).....	Hatfield, R. D.
Robert Wilson Fehnel (1 Chemistry).....	Lansdale
Ruth Myrtle Feidler (1 Biology).....	Northampton
Harold Edward Feist (1 Business Administration).....	Norristown
Nelson Miles Fellman (1 Business Administration).....	Norristown
Morton Felsenstein (3 Biology).....	Norristown
Donald Carmen Ferreri (1 Physical Education).....	Norristown
Frank Joseph Ferry (1 Political Science).....	Atlantic City, N. J.
William Graham Ferry, Jr. (1 Biology).....	Atlantic City, N. J.
Alan Field (1 Biology).....	Conshohocken
William R. Fischer (1 Business Administration).....	Quakertown
David Lee Fisher (3 Biology).....	Norristown
Russell Henry Fisher (2 Chemistry).....	Vineland, N. J.
William Fisher, Jr. (1 Business Administration).....	Woodbury, N. J.
Jerome Jay Fishman (1 Biology).....	Millville, N. J.
Doris Louise Fite (1 History).....	York
Laurence T. Fleisher (3 Biology).....	Philadelphia
Charles Arthur Floyd (1 Political Science).....	Drexel Hill
Ramon Guillermo Font-Felizola (1 History).....	New York, N. Y.
John Fordham (4 Business Administration).....	Newfield, N. J.
Kenneth Charles Fordham (4 Biology).....	Newfield, N. J.
Norman Magee Fording, Jr. (2 Business Administration)	Philadelphia
William George Forsyth (3 Physical Education).....	Norristown
Roy Foster, Jr. (2 English).....	Audubon, N. J.

List of Students

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- Charles Walker Fox (2 Biology).....Norristown
 Ronald Alan Frankel (1 History).....New York, N. Y.
 Jean Bertolet Frederick (3 English).....Spring City
 Charlotte Harriett Freeman (2 Business Administration).....Philadelphia
 Dorothy Louise Freking (4 Mathematics).....Quakertown, R. D.
 Mary Catherine French (1 Biology).....Collegeville
 Helen C. Fretz (3 Business Administration).....Souderton
 Marjorie Anne Fretz (1 Biology).....Souderton
 Anita Ida Frick (3 English).....Lansdale
 John Harry Froude (1 Biology).....South River, N. J.
 Herbert Eitnier Fry (1 Business Administration).....Penryn
 Robinson George Fry (1 Biology).....Hollidaysburg
 William Coulter Gallagher, Jr. (2 Business Administration)
 Philadelphia
 John Frank Gallant (1 Business Administration).....Swedesburg
 Joseph Jay Gallen (4 Biology).....Philadelphia
 Concetta Margaret Gallo (1 History).....Norristown
 Albert Anthony Galullo (3 Biology).....Norristown
 Grace Aileen Garis (2 German).....Brodheads ville
 James Elwood Garrahan, Jr. (1 Biology).....Hatfield
 Dorothy Elaine Garris (2 English).....Philadelphia
 Richard Bradley Gates (1 English).....Philadelphia
 Tina Janice Gault (3 Biology).....Upper Darby
 John Martin Gavin (4 Business Administration).....Conshohocken
 Aristotle George Gazonas (2 History).....Norristown
 Augustus James Gazonas (1 Business Administration).....Norristown
 John James Gazonas (1 Business Administration).....Norristown
 Mary-Jane Gebhard (3 Mathematics).....Hazleton
 William Henry Gee, Jr. (1 English).....Glen Rock, N. J.
 Samuel Robert Gehman (3 Physical Education).....Perkasie
 Fred Charles Geiger, Jr. (2 Business Administration)
 South Orange, N. J.
 Glenn Franklin George (2 History).....Trumbauersville
 Paul Daniel Gerhart (3 History).....Newmanstown
 Julian Jacques Gerson (2 Chemistry).....Philadelphia
 Robert Irwin Gibbs (2 Mathematics).....Lee, Mass.
 Alfred Henry Gilbert, III (3 Mathematics).....Ardsley
 Stanley Howard Gilbert, Jr. (4 Biology).....Avondale
 William Benezet Gillies (1 Chemistry).....Philadelphia
 Aubre Myers Givler (2 English).....Laureldale
 Eugene Glick (2 Biology).....Philadelphia
 Dmytro Charles Glinsky (3 Mathematics).....Lester

Sylvain Gobes (Special)	Melrose Park
Harold Stephen Gold (1 History)	Glenside
Irving Leonard Goldenberg (4 Biology)	Philadelphia
Wayne Ziegler Gottshall (2 Chemistry)	Royersford, R. D.
Robert Hunter Gracey (3 Biology)	Glenside
Richard Gordon Gradwohl (3 Business Administration) ..	Doylestown
Jacqueline Graf (1 English)	Trenton, N. J.
Louise Vaughan Granniss (2 Biology)	Trenton, N. J.
Robert Marley Grassman (4 Biology)	Philadelphia
Marjorie Clarson Grauch (3 Physical Education)	Drexel Hill
John Crippen Graves (1 Biology)	Pottstown
Doris Lorraine Gray (4 Romance Languages)	Pennsville, N. J.
Philip Stanley Green (1 Biology)	Atlantic City, N. J.
Doris Jean Greenwood (4 Physical Education)	Cynwyd
Robert William Griffith (4 Business Administration) ..	Fairview Village
Henry Grinsfelder (1 Business Administration)	Pittsburgh
Bernita Alyce Gross (2 Biology)	Gwnedd
Elizabeth Amelia Gross (4 Business Administration) ..	Philadelphia
Harold Orlando Gross, Jr. (3 Biology)	Perkasie
Joseph Owen Gross (1 English)	Bethlehem
Stanley Gross (1 Biology)	Brooklyn, N. Y.
Murray Ellis Grove (2 English)	Williamsport
William Maurice Grover (1 English)	Phoenixville
Joseph John Guetherman (1 Biology)	Camden, N. J.
Watson Aloysius Gutowski (1 Biology)	Swedesburg
Betty Marie Haas (3 Mathematics)	Coplay
Elizabeth Lincoln Hahn (4 Physical Education) ..	Morris Plains, N. J.
William Roland Haig (1 Biology)	Philadelphia
Paul Kenneth Haines (4 Business Administration) ..	Allentown, R. D.
Florence Lois Halbert (3 English)	Atlantic City, N. J.
Beryl Mary Hall (1 Mathematics)	Lansdowne
Robert Earl Hallinger (3 Biology)	Titusville, N. J.
Clarence Raymond Hallman, Jr. (4 English)	Phoenixville
Henry Raymond Hallman (1 Mathematics)	Mont Clare
Thomas Lenford Halton (1 Business Administration) ..	Villanova
Clara Ruth Hamm (1 English)	Weatherly
Roy Holmes Hand (4 Biology)	Philadelphia
Elizabeth Elsie Haney (3 English)	Philadelphia
Kathryne Mae Haney (2 English)	Coopersburg, R. D.
Joseph Richard Bruce Hanna (3 Physical Education)	Collegewille, R. D.
Robert Walter Harand (3 Biology)	Tenafly, N. J.

List of Students

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- Norman Paul Harberger (2 Mathematics).....Irvington, N. J.
 Edwin Percy Harned (1 Business Administration).....Wyckoff, N. J.
 Betty Lou Harr (4 History).....Philadelphia
 George Michael Harrington, Jr. (3 English).....Lansdowne
 Bernice Hope Harris (2 English).....Philadelphia
 Richard Hayden Harris (3 Business Administration)
 Branchville, N. J.
 John Campbell Hart (4 History).....Norristown
 Wayne Leitzell Hartman (3 English).....Bolivar, N. Y.
 Jane Madora Hartzel (1 English).....Eureka
 Greville B. L. Haslam (1 Biology).....Merion
 Lewis Emery Hatch, Jr. (3 Business Administration)....Whitemarsh
 Arthur Bernard Hattler (4 Biology).....Audubon, N. J.
 Howard Louis Hausher (3 Biology).....Clifton Heights
 Robert Charles Havrilla (4 Mathematics).....Phoenixville
 Jeanne Kathryn Heal (4 English).....Merchantville, N. J.
 Robert Thomas Healy, Jr. (2 Biology).....Audubon, N. J.
 Frank Ralston Heavner, 3d (3 English).....Royersford, R. D.
 Joanne Elaine Heckman (1 Biology).....E. Stroudsburg
 Albert Morris Heeter (1 Chemistry).....Palmyra, N. J.
 Roland William Heinel, Jr. (1 Business Administration)..Elkins Park
 Luther George Heist, Jr. (3 History).....Harrisburg
 Robert Johan Hekking (3 Biology).....New York, N. Y.
 William Ursinus Helfferich (2 Business Administration)..Collegeville
 Jane Alice Hellie (3 Biology).....Northampton
 Earl James Helmbreck (4 Business Administration)....Newark, Del.
 June Emily Helms (4 Mathematics).....Mt. Ephraim, N. J.
 Robert Minor Henderson (1 Business Administration)...Philadelphia
 Nancy Jean Henrich (1 Biology).....Havertown
 Carolyn Rebecca Herber (1 English).....Lebanon
 Robert Calvin Herber (2 History).....Lebanon
 Norton Hering (4 Biology).....Philadelphia
 William John Herman, Jr. (2 Biology).....Philadelphia
 Jean Isabel Heron (2 English).....Philadelphia
 Elizabeth Alda Herrick (4 English).....Drexel Hill
 Dorothy May Hetrick (4 Physical Education).....Limekiln
 Margaret Anne Hewitt (4 History).....Prospect Park
 Sherwood Jordan Hewitt (2 Biology).....Norristown
 Robert Henderson Heyser (1 Business Administration)...Phoenixville
 Carol Borkey High (1 Biology).....Reading
 David Gilbert High (1 Business Administration).....Pottstown
 Richard Giles High (2 Business Administration).....Pottstown

- Marian Elizabeth Johnson (1 Physical Education) .Collingswood, N. J.
 Richard Johnson (3 Mathematics)Philadelphia
 Walter William Johnson (4 History).....Pleasantville, N. J.
 Wesley DuBois Johnson (4 German).....Springfield Gardens, N. Y.
 Margery Jean Johnston (1 Physical Education).....Media
 Eleanor Jones (2 Biology).....Pennington, N. J.
 Paul Marshall Jones (1 History).....Pottstown
 Paul Vincent Jones (4 Physical Education).....Phoenixville
 Robert Milton Jones (2 English).....Shenandoah
 Anne Ellen Jordan (1 History).....Great Neck, N. Y.
 Jacqueline Elizabeth Jordan (1 English).....Drexel Hill
 Robert Norris Jordan, Jr. (2 Romance Languages) .Huntingdon Valley
 William John Jordan (2 History).....Philadelphia
 Floyd Edgar Justice, Jr. (1 Business Administration).....Glenside
 Marjorie Ann Justice (2 Physical Education).....Glenside
 Joan Lenore Kahn (3 English).....Atlantic City, N. J.
 Carolyn Mary Kaimer (3 English).....York
 John Robert Kajmo (4 History).....Hellertown
 Henry Roscoe Kaltenbach, Jr. (1 Chemistry).....Phoenixville, R.D.
 Bernard Karasic (4 Business Administration)....Asbury Park, N. J.
 Jerome Karasic (4 Biology).....Asbury Park, N. J.
 Paul Donald Kaufman (1 History).....Norristown
 Herbert William Kavash (1 Mathematics).....Lansdale
 Ramona Fae Keesey (2 English).....Tower City
 Thelma Elizabeth Keil (3 English).....Philadelphia
 Violetta Julia Kellagher (1 Biology).....Reading
 Charles Ernest Keller (1 Political Science).....Yeadon
 Jacquelyn Ruth Keller (2 Mathematics).....Peekskill, N. Y.
 William Lorah Keller (3 English).....Birdsboro, R. D.
 Edward Joseph Kelly, Jr. (1 Business Administration).....Ambler
 John Patrick Kelly (Special).....Sigourney, Iowa
 Philip Henry Kelly (2 Business Administration) ..Miami Shores, Fla.
 George Edward Kennedy (4 Physical Education).....Norristown
 William Willis Kennedy (2 Business Administration) ..Chestnut Hill
 Elaine Katherine Kerr (1 Mathematics).....Baldwin, N. Y.
 Kenneth Robert Kerstetter (1 Biology).....Mt. Carmel
 Elizabeth Jane Keyser (1 Physical Education).....Audubon
 Thomas Fredric Kimes (4 Mathematics).....Phoenixville
 Wilmer Grey Kimes, Jr. (2 Mathematics).....Phoenixville
 David Leroy King (2 Business Administration).....Wyncote
 David Nathaniel Kinsey (2 Business Administration)....Quakertown
 Isaac Newton Kinsey (1 Business Administration).....Phoenixville

- Joan Elizabeth Kirby (1 Physical Education) Bridgeton, N. J.
 Richard Anthony Kiszonas (1 Biology) Lester
 Alton Stanford Klebe (1 Chemistry) East Greenville
 Edwin Leonard Klein (1 Business Administration) Ventnor City, N. J.
 George Albert Klitsch (2 Biology) Philadelphia
 Elizabeth Shurley Knaefler (4 Business Administration) North Wales
 David John Knauer (2 History) West Chester
 Richard Edward Kneller (4 History) Nazareth
 Alvin Knepper (3 History) Brooklyn, N. Y.
 Esther Else Knoebel (1 Romance Languages) Cheltenham
 Donald Knott (2 Chemistry) Philadelphia
 Mary Jane Kraft (3 Mathematics) Sellersville
 Mabel Carolyn Kratz (3 History) Chalfont
 Kenneth Roland Krause (1 Biology) New York, N. Y.
 Robert Max Kreamer (1 Biology) Millville, N. J.
 Arthur William Kretzschmar (2 Biology) Yeadon
 Norman Edgar Kromer (1 Physical Education) Norristown
 James John Kromka (4 Business Administration) Boonton, N. J.
 Richard Donald Kropp (3 Business Administration) Philadelphia
 Joanne Barbara Kuehn (1 Biology) Deerfield, N. J.
 Charles Wilson Kuhn (2 Biology) Philadelphia
 Miriam Kemp Kulp (2 History) Bally
 Dorothy Mae Kuntz (4 English) Schnecksville
 Robert Guibord Kunz (3 History) Alexandria
 Marion Ruth Kurtz (2 Physical Education) Jenkintown
 Thomas Francis Lachenmayer (1 Business Administration) Norristown
 Alice Lillian Lachman (3 Business Administration) Bryn Mawr
 Frank Edgar Lafferty, Jr. (2 Physical Education) Norristown
 Joseph Clyde Lambert (1 Business Administration) Northfield, N. J.
 William Joseph Lampeter (1 Physical Education) Maspeth, N. Y.
 Saul Lande (1 Biology) Bala-Cynwyd
 Burton Reiff Landes (4 History) Collegeville
 Clifford Miller Landes (3 English) Salford
 Ronald Reiff Landes (3 Physical Education) Collegeville
 Barbara Patricia Landis (1 Physical Education) Pennsauken, N. J.
 Charles William Langner, Jr. (2 Business Administration)
 Merchantville, N. J.
 Julia Dolores La Porte (1 English) Philadelphia
 John Benton Law, Jr. (2 Business Administration) Port Kennedy
 Ivan Benjamin Leaman, Jr. (1 Biology) Pottstown
 Douglas Carl Leander (3 Business Administration) Maplewood, N. J.

- John Robert Leckey, Jr. (2 Business Administration) . . . Philadelphia
 Betty Ruth Leeming (3 Political Science) . . . Littlestown, R. D.
 Jean Taylor Leety (1 Physical Education) . . . Lansdowne
 Susan Adams Leinbach (3 Physical Education) . . . Esterly
 Fred Christian Leiser, Jr. (2 Biology) . . . Lansdowne
 William James LeKernec (1 Biology) . . . Bridgeton, N. J.
 Stanley Curtis Leonberg, Jr. (4 Biology) . . . Medford, N. J.
 Pierre Louis LeRoy (1 Biology) . . . Philadelphia
 Suzanne Adele Letson (3 Business Administration) . . . Metuchen, N. J.
 Walter Newton LeVan (3 History) . . . Reading
 Clifford Moyer Levensgood (4 History) . . . Stowe
 Edith Genevieve Levensgood (2 Chemistry) . . . Schwenksville
 Catharine Floy Lewis (4 Physical Education) . . . Worcester
 Elisabeth Patricia Lewis (1 Biology) . . . Langhorne
 Robert Mengel Lewis (3 Business Administration) . . . Upper Darby
 Rita Marie Lieb (4 Physical Education) . . . West Reading
 Frank Baugh Light, Jr. (3 English) . . . Norwood
 Harry Grim Light (2 Biology) . . . Frenchtown, N. J.
 Thelma Alice Lindberg (2 English) . . . Upper Darby
 Marie Louise Linder (1 Business Administration) . . . Narberth
 Hermann Alfred Lintner (1 Mathematics) . . . Haddon Heights, N. J.
 Karl Linford Loesch (1 Business Administration) . . . Norristown
 Katharine Ann Loman (1 Biology) . . . Lansdale
 Russell Kissam Lord (1 Business Administration) . . . Orange, N. J.
 James Jasper Lorimer (4 Business Administration) . . . Morrisville
 Edward Edwards Love (2 Mathematics) . . . Moorestown, N. J.
 Roger David Lovelace (3 Biology) . . . Sicklerville, N. J.
 Mary-Jo Lucas (1 Chemistry) . . . Atlantic City, N. J.
 Richard Eli Ludwig (1 Chemistry) . . . Pottstown
 Matthias Galvin Lukens (3 Business Administration) . . . Philadelphia
 Joseph Kline Lutz (2 Biology) . . . Yeadon
 Richard Jones Lyttle (2 German) . . . Reading
 Russell Eugene Mack (2 Business Administration) . . . Ardmore
 William Ross MacBride (3 Business Administration) . . . Warren
 Donald Smith MacKenzie (1 Business Administration) . . . Philadelphia
 Shirley Jane MacKinnon (1 Physical Education) . . . Lansdowne
 Laura Mary MacMullen (2 Biology) . . . North Wales
 Robert Ross MacMurray (2 Business Administration) . . . Cheltenham
 Raymond George MacQueen (3 English) . . . Jackson Heights, N. Y.
 Robert Spencer Madeira (3 Business Administration)
 Atlantic City, N. J.
 James Francis Magrann (1 Business Administration) . . . Philadelphia

- James Joseph Maguire (1 Mathematics).....Philadelphia
 Reese Arthur Mahoney (3 Biology).....Chester
 Donald St. John Malven (1 Business Administration)
 Poughkeepsie, N. Y.
- Kenneth Albert Mammel (1 History).....Newtown, R. D.
 Joseph Jacob Mann (1 Chemistry).....Ventnor City, N. J.
 George Edgar Mansur (2 Political Science).....Phoenixville
 Estelle Adele Marcon (3 Biology).....Bethlehem
 Sonia Marie Marcussen (1 Romance Languages).....Chalfont
 Edna Campbell Markey (1 Romance Languages).....Lebanon
 Harry Morris Markley (1 History).....Norristown
 William Claude Markley (4 Business Administration)....Norristown
 Norma Jane Marmor (2 English)Philadelphia
 John Jarrett Marshall (1 Mathematics).....Ventnor City, N. J.
 Walter Woodrow Marsteller (4 Mathematics)Norristown
 John Beisel Martin, Jr. (2 Biology).....Philadelphia
 Alfred Max Maser (3 Business Administration).....Philadelphia
 Emma Lou Mason (4 English).....Allentown
 Phyllis Ann Massino (1 Romance Languages).....Glenside
 Pauline Letitia Mathers (4 Physical Education).....Glenside
 Edward Albert Mathis (2 Business Administration).....Bridgeport
 Nancy Ann Matterness (1 History).....Lebanon
 Marion Lois Matteson (1 English).....Havertown
 Grace Elizabeth Matthews (1 Biology).....Easton
 Nancy Lou Mattson (3 Mathematics).....Media
 Warren Everett Mauger (1 Biology).....Parkerford
 William Reynolds Mauger (2 Business Administration) .Bala-Cynwyd
 John Bailey Maurer (3 History).....Philadelphia
 Albert Joseph Mazurkiewicz (3 English).....Shenandoah
 John Lyne McAfee (1 Biology).....Philadelphia
 Gilbert Meredith McClennan (3 Chemistry).....Norristown
 John Richard McCluskey (2 Business Administration)...Philadelphia
 Marion Porter McCrane (1 Biology).....Philadelphia
 Kathleen Ruth McCullough (4 English).....Trenton, N. J.
 Joseph Henry McGrath, Jr. (1 Biology).....Norristown
 George Vercoe McIntyre (4 Business Administration) ..Conshohocken
 James Harper McKee (2 Business Administration).....Philadelphia
 Robert Fullerton McKee (4 History).....Eustis, Fla.
 Thomas Kendall McKenzie, Jr. (3 Romance Languages)
 Chillicothe, Ohio
- Richard Haskayne McKey, Jr. (2 History).....Wonalancet, N. H.
 Harry David McLaughlin (3 Physical Education).....Philadelphia

- William Edward McManimen, Jr. (3 Business Administration)
Merchantville, N. J.
- David Tweed McMillan (3 Business Administration) . . . Philadelphia
 Jeanne Calhoun McNaul (3 Mathematics) . . . Philadelphia
 Mary Margaret McPherson (2 History) . . . Lancaster
 Jeanne Elizabeth McQue (1 Biology) . . . Philadelphia
 Robert McQuinn, Jr. (3 Biology) . . . Little York, N. J.
 Elizabeth Jane McWilliams (4 Physical Education) . . . Elkins Park
 Edward Crozier Meade (3 History) . . . Philadelphia
 Robert Lee Meckelnburg (1 Biology) . . . Cynwyd
 Dolores Louise Meder (4 Biology) . . . Philadelphia
 Thyrgve Richard Meeker (2 Chemistry) . . . Pottstown, R. D.
 William Frederick Meinhardt (4 Biology) . . . Williamson, N. Y.
 Elmer Goebert Meissner (3 English) . . . Souderton
 Robert Pennock Mella (2 Biology) . . . Coatesville
 Paul Albert Merki (1 History) . . . Lansdale
 Ralph Leonard Meyer (3 Physics) . . . Collegeville
 Ruth Marion Meyer (4 History) . . . Merrick, N. Y.
 Dolores Claire Meyers (2 Romance Languages) . . . Allentown
 Edward James Meyers (3 Biology) . . . Audubon, N. J.
 Adelle Virginia Michels (1 Biology) . . . Hatfield
 Albert Raymond Miglio (1 English) . . . Philadelphia
 John Prosper P. Millbrook (1 Biology) . . . Port Monmouth, N. J.
 Edward Judson Miller (4 Physical Education) . . . Doylestown
 Gladys Virginia Miller (3 Physical Education) . . . Trappe
 Jeanne Marie Miller (4 Business Administration) . . . Phoenixville
 Malcolm Frederick Miller (2 Biology) . . . Phoenixville
 Marilyn Jean Miller (2 English) . . . Elizabethville
 Marilyn Jeanne Miller (1 Romance Languages) . . . Reading
 Marilyn Joyce Miller (2 History) . . . Allentown
 Marvin Miller (3 Biology) . . . Atlantic City, N. J.
 Theodore Roosevelt Miller (1 Business Administration)
Bridgeport, R. D.
- Nancy Pharr Minnich (4 Business Administration) . . . Lansdale
 Robert Raymond Mitchell (2 Physical Education) . . . Bridgeport, R. D.
 Joan Elizabeth Moffett (1 History) . . . Philadelphia
 George Molden, Jr. (4 Biology) . . . Bristol
 Jack Andrew Molvie (2 Business Administration)
Schwenksville, R. D.
- David Richard Monjar (1 History) . . . Pottstown, R. D.
 Nat Montalbano (1 Business Administration) . . . Brooklyn, N. Y.
 Edward Harry Moore (1 Political Science) . . . Clayton, N. J.

James Bruer Moore (3 Business Administration).....	Doylestown
Robert Coulston Moorhead (2 History).....	Rutledge
John Elwood Morehead (4 Biology).....	Philadelphia
Arthur James Morgan (2 Biology).....	Philadelphia
Mary Elizabeth Morgan (2 Romance Languages).....	Haddonfield, N. J.
Clyde Robert Morris (3 Business Administration).....	Everett
Rodger Randolph Moss (2 Biology).....	Vineland, N. J.
Ralph William Mounce, Jr. (2 Biology).....	Fricks
Nelson Frederick Moury, Jr. (3 Biology).....	Philadelphia
Barbara Ann Moyer (1 History).....	Norristown, R. D.
Betty Jean Moyer (4 Physical Education).....	Collegedale
Stephen August Muench (2 Physical Education).....	Audubon, N. J.
Mary Ruth Muffley (3 Chemistry).....	Havertown
John Joseph Mullahy (2 Business Administration).....	Ambler
Erwin Thomas Musko (1 Biology).....	Philadelphia
Ben Clarence Myers, Jr. (1 Business Administration).....	Point Pleasant
Margaret Louise Myers (4 English).....	Upper Darby
William Murdock Myers (3 Chemistry).....	Bryn Mawr
Jane Carolyn Nagel (4 English).....	Drexel Hill
Alan Francis Nagle (2 Biology).....	Norristown
Felix Richard Navickas (1 Biology).....	Eddystone
Geraldine Joan Navis (4 Biology).....	Forty Fort
Doris Helen Neill (3 Business Administration).....	Audubon, N. J.
Fred Brownback Neiman, III (1 Biology).....	Phoenixville
Leonard Joseph Nestor (2 Biology).....	Philadelphia
Greta Adele Neuhauser (1 Romance Languages).....	Phoenixville, R. D.
George Earl Newborn, Jr. (2 Chemistry).....	Royersford
Robert Merrick Newkirk (2 Business Administration).....	Coatesville
Frederick Arthur Nicholls (3 History).....	Philadelphia
Philip Wayne Niedringhaus (3 Chemistry).....	Lester
Julio Rafael Nigaglioni (1 Biology).....	Yauco, Puerto Rico
John Joseph Nill (3 Business Administration).....	Philadelphia
William Frederick Nolthenius (1 Biology).....	Telford, R. D.
Kay Keiko Nomiya (4 Chemistry).....	Tacoma, Wash.
Deborah Norton (4 Chemistry).....	Lansdowne
William Floyd Oberholtzer (3 Business Administration).....	Lansdale
Kenneth Brendlinger Oelschlager (1 German).....	Zieglersville
John Arthur O'Hara (3 History).....	Norristown
Aaron Britt Olsen (Part-time).....	Phoenixville
Henry Jacob Olszta (2 Biology).....	Conshohocken
Robert Joseph Ontiveros (2 Biology).....	Atlantic City, N. J.
Robert Alexander Orr (3 Business Administration).....	Philadelphia

List of Students

119

Timothy Louis O'Shea (3 Business Administration)	Collegeville
Norman Edward Paetzold (3 Business Administration)	Irvington, N. J.
Dolores Nicoletta Pagliaro (3 English)	Conshohocken
Donald Russell Parker (2 Biology)	Plainfield, N. J.
Susan Ann Parran (1 Chemistry)	Narberth
Edith Ely Parry (4 Physical Education)	Rushland
Manuel Parseghian (2 Political Science)	Philadelphia
Albert William Parsons (2 Mathematics)	Collegeville, R. D.
Eugene Anthony Pascucci (1 Biology)	Norristown
Alma VanGilder Patterson (1 English)	Philadelphia
Winifred Mary Pattison (3 Physical Education)	Paoli
Paul Donald Payne, Jr. (4 Chemistry)	Brooklyn, N. Y.
Marjorie Adele Paynter (2 Mathematics)	Philadelphia
Wayne Ettinger Pearson (3 Chemistry)	Royersford, R. D.
Helen Louise Pechter (4 Business Administration)	WilliamSPORT
Stanley Gilbert Pelovitz (2 Business Administration)	Somerville, N. J.
Jacob VanDever Pennegar (1 Biology)	Coatesville
Richard Bailey Peoples (4 Biology)	Royersford
Jonathan Stackhouse Permar (2 Chemistry)	Richboro
Jane Perreten (1 Chemistry)	South Seaville, N. J.
Ambrose Burdan Peterman (1 Biology)	Spring City
Edith Chadwick Peters (1 Biology)	Philadelphia
Howard Klemmer Peters, Jr. (2 Physical Education)	Philadelphia
John Edwin Peterson, Jr. (3 Chemistry)	Haddon Heights, N. J.
Emily Ruth Pettit (4 Physical Education)	Woodstown, N. J.
Charles Laurence Piersol, Jr. (2 Biology)	Media
Glenn Alvah Piper, Jr. (2 Chemistry)	Vineland, N. J.
Chester Albert Pish (1 Business Administration)	Pottstown
Marilyn Joan Plager (1 English)	Teaneck, N. J.
Lawrence Pleet (1 Business Administration)	Merion
John Sharp Poland (3 Biology)	Trappe
Robert Poole, III (3 Biology)	Doylestown
William Harold Poore (1 Mathematics)	Pennington, N. J.
Ernest Bechtel Posey, III (1 Business Administration)	Laureldale
Dorothy Helen Post (4 Biology)	Greensburg
John Ratledge Powell (1 History)	Moylan
William J. Powell, Jr. (1 Biology)	Taylor
Eugene Charles Pressler, III (1 Chemistry)	Norristown, R. D.
Ruthann Preston (3 Biology)	Kennett Square
Claire Elizabeth Price (4 Chemistry)	Wayne
Doris Cope Price (1 English)	Waynesboro
Charles Platt Pritchard (1 Biology)	Philadelphia

Robert Wendell Quay (4 Business Administration) Phoenixville
 Richard John Radel (1 Business Administration) Phoenixville
 Sara Mae Raezer (3 Mathematics) Lancaster
 Bertram Delroy Rearick (2 History) Plymouth Meeting
 Elaine Harriet Reed (3 English) Drexel Hill
 Norman Benjamin Reed (3 English) Collegeville, R. D.
 Edmund Hoffman Reeves, Jr. (2 Business Administration)

Haddonfield, N. J.

David Sylvester Reice (1 Business Administration) Philadelphia
 Robert Alan Reichley (3 English) York
 Richard Mershon Reid (4 History) Philadelphia
 Earl Jonas Reidenouer, Jr. (2 Business Administration) Pottstown
 Janet Stell Reinbrecht (1 Romance Languages) Ambler
 Kenneth George Reinhart, Jr. (4 Business Administration) Wyalusing
 Earl Raymond Reinhold (1 Biology) Camden, N. J.
 Walter Edward Remsburg (1 Biology) York
 Walter Eugene Renn (1 Business Administration) Havertown
 Hazel Lucile Renninger (4 History) Frederick
 Lewis Randolph Rhoades, Jr. (4 Business Administration)

Phoenixville, R. D.

Patricia Anne Richardson (2 English) Glenolden
 Priscilla Anne Richter (4 Business Administration) St. Albans, N. Y.
 Robert Weber Rieve (2 Chemistry) Drexel Hill
 Elizabeth Lillian Rilling (2 English) Philadelphia
 Jean Taylor Rinear (2 Romance Languages) Highland Park, N. J.
 Joseph Vincent Rini (1 Biology) Merion Station
 Benjamin Franklin Rittenhouse, Jr. (1 Business Administration)

Norristown

Alfred Dominick Roberts (4 Romance Languages) Pottstown
 Charles Holmes Roberts (1 Business Administration) Wynnewood
 Richard Copp Roberts (4 Biology) Norristown
 Paul Robinson (4 Business Administration) Phoenixville
 Robert Elliott Rodgers (4 Chemistry) Allentown
 Ernest Albin Roemer, Jr. (1 Business Administration) Millville, N. J.
 Walter Mitchell Rohlfs (4 History) Philadelphia
 Ralph Miles Rolan (1 Business Administration) White Plains, N. Y.
 Donald Warren Rose (1 Business Administration) Norristown
 Frances May Rose (1 Biology) Philadelphia
 Emanuel Rosen (3 Biology) Philadelphia
 Robert Bruce Rosenberger (1 English) Glenside
 Arthur Orville Rosenlund, Jr. (1 Business Administration)

Fairview Village

List of Students

121

Harlan Page Ross, Jr. (2 English).....Norristown, R. D.
 Helen Germaine Roughton (2 Biology).....Washington, D. C.
 William Robert Rowland, Jr. (1 Business Administration)

Philadelphia

Mary Lou Roy (4 English).....Newton, N. J.
 Ann Gilbert Royer (1 Mathematics).....Glenside
 Joseph Edward Ruby (3 Biology).....Bridgeport, Conn.
 Edward Thomas Ruch (1 Business Administration)....Princeton, N. J.
 Samuel Israel Sachs (2 Biology).....Philadelphia
 Janet Margaret Sacks (4 Chemistry).....Easton
 John Thomas Salberg (3 History).....Ridgway
 John Joseph Sampsel (3 Biology).....Shenandoah Heights
 Ruben Sanchez (Special).....San German, Puerto Rico
 Dorothy Louise Sandbeck (2 History).....Philadelphia
 Samuel Charles Santangelo (3 Biology).....Norristown
 Stirling George Santee (1 Biology).....Cressona
 Carl Joseph Santoro (3 Business Administration).....Philadelphia
 Ralph Salvadore Santoro, Jr. (1 Biology).....Philadelphia
 Herman Carl Sauer (4 Biology).....Malvern, R. D.
 George Edwin Saurman (3 Business Administration)

Franklinville, N. J.

Louis Thomas Scaringi (4 Romance Languages).....Phoenixville
 Russell William Schaedler (4 Biology).....Hatfield
 Harry George Schalck (4 History).....Reading
 Marie Josephine Schauder (3 English).....Schwenksville
 Elizabeth Louise Scheirer (1 English).....Pottstown
 Paul Crawford Scheirer (2 History).....Pottstown
 Howard Boyd Schellhase (1 Mathematics).....Waynesboro
 Norman Earl Schenk (2 Biology).....Hammonton, N. J.
 Frank Joseph Schiesser, Jr. (3 Physical Education)....Willow Grove
 Herbert Marvin Schiller (4 Biology).....Philadelphia
 Robert John Schmegner (1 Chemistry).....Philadelphia
 Donald Mitchell Schmidt (2 Business Administration)

Atlantic City, N. J.

Emile Outzen Schmidt (1 English).....Bronx, N. Y.
 Harry John Schmiege (3 English).....Lansdale
 Louis Schneier (1 Biology).....Norristown
 Mary Charlotte Schoenly (1 Physical Education).....Collegetown
 Beverly LaRue Schofield (3 Romance Languages).....Royersford
 Muriel Elsie Scholl (2 History).....Norristown, R. D.
 Robert Harper Schreffler (3 History).....Graterford
 Jerome Sidney Schreibman (1 Biology).....Philadelphia

Walton Marvin Schreibman (4 Biology)	Philadelphia
Charles Edward Schroeder (2 Business Administration)	Hollis, N. Y.
Joseph Donald Schultz (3 Biology)	Millville, N. J.
Robert Leh Schultz (4 Business Administration)	Norristown
Walter Benjamin Schumacher (2 Mathematics)	Pottsville
Georges Andre Schwab (4 Business Administration)	New York, N. Y.
John Joseph Sciarra (3 Mathematics)	Norristown
Frank Joseph Scirca (2 Business Administration)	Norristown
James Robertson Scott (2 Business Administration)	Carlisle
Norma Ann Sears (3 Business Administration)	Philadelphia
Gene Leroy Sechrist (3 Biology)	Yoe
Jane Diane Seeley (4 Business Administration)	Ambler
Herbert Philip Seibel (1 Biology)	East Orange, N. J.
Phyllis Ellen Seidel (4 Chemistry)	Allentown, R. D.
Jacqueline Antoinette Seitzinger (2 History)	Gloucester, N. J.
Albert Charles Selke (1 Biology)	Merchantville, N. J.
Kenneth Daniel Sell (3 Chemistry)	Littlestown, R. D.
Marjorie Jean Sellick (1 Biology)	Glenside
Salvatore M. D. Serra (1 Biology)	Vineland, N. J.
Ruth Anna Sharp (1 History)	Mt. Holly, N. J.
Isabelle Jane Shaw (4 Chemistry)	Oaklyn, N. J.
Joseph Francis Shaw, Jr. (3 Business Administration)	Philadelphia
Thomas John Shaw (1 Business Administration)	Philadelphia
Elizabeth Irene Sheffer (3 English)	Hanover
Robert Malcolm Sheppard (1 Mathematics)	Hatboro, R. D.
Robert Russell Shinehouse (1 Biology)	Phoenixville
Dorothy Esther Shirtz (1 Mathematics)	Drexel Hill
Annabelle Lied Shober (4 English)	Shillington
Robert Clark Shoemaker (2 Business Administration)	Bridgeport, R. D.
John Ralph Sholly (1 English)	Chester Springs
John Young Short (3 Biology)	Philadelphia
Barbara Pangburn Shumaker (3 English)	Jackson, Tenn.
Edith Frances Siegenger (1 Biology)	Haddon Heights, N. J.
Effie Edith Siegfried (2 German)	Allentown
Murray Norman Silverstein (3 Biology)	Trenton, N. J.
Margaret White Simcox (2 English)	Doylestown
Elizabeth Louise Simon (4 Biology)	Easton, R. D.
Clarence Robert Simpson (3 Business Administration)	Norristown, R. D.
Joseph Wallace Simpson (3 Biology)	Norristown, R. D.
Valen Richard Sipple (3 History)	Plymouth
Lillian Theresa Skiba (2 Chemistry)	Lester

List of Students

123

Charles Rodney Slider, Jr. (1 Biology)	Linfield
Theodore White Small, Jr. (3 Mathematics)	Royersford
John Francis Smedley (1 Biology)	Media
Walter Richard Smickle (1 Political Science)	Belvidere, N. J.
Eleanor Louise Smiley (3 Chemistry)	Kimberton
Wallace Frederick Smiley (3 History)	Kimberton
Donald Earl Smith (3 Mathematics)	Mont Clare
Emily Anne Smith (4 Physical Education)	Darby
Jean Evelyn Smith (4 Business Administration)	Philadelphia
Joseph Anderson Smith (2 Chemistry)	Trenton, N. J.
Marian Louise Smith (4 Chemistry)	Trappe
Marjorie Roberta Smith (3 History)	Edgemont
Naomi Elizabeth Smith (4 History)	Philadelphia
Robert Karlton Smith (3 Mathematics)	Mont Clare
Robert Lewis Smith (2 Business Administration)	Bridgeport
Virginia Custer Smith (3 Business Administration)	Rosemont
William Henry Smith (1 Biology)	Lansdale, R. D.
Melvin Harold Smithgall (2 Biology)	Drexel Hill
Albert Lewis Snedaker, Jr. (3 Chemistry)	Haddon Heights, N. J.
Kermil Cecil Gordon Snyder (4 Business Administration)	Slatington
Marvin Clair Garfield Snyder (4 Biology)	Slatington
Winifred Louise Somerville (2 Mathematics)	Philadelphia
Ray Douglas Sothern (1 Chemistry)	Valley Stream, N. Y.
Helen Clifford Southall (4 English)	Philadelphia
Forrest Edward Sovring (4 Business Administration)	Philadelphia
Milton Emil Sowiak (1 Chemistry)	Chester
Bernadine Ruth Spangler (Special)	Northampton
Marguerite Elsie Spencer (1 Physical Education)	Norwood
Charles Jay Stahl (1 Biology)	Souderton, R. D.
Viola Jean Staker (3 English)	Cambria Heights, N. Y.
Warren Dean Staples (2 Business Administration)	Pitman, N. J.
Donald Gilbert Stauffer (2 English)	Pottstown, R. D.
Franklin Michael Staurowsky (1 Business Administration)	Hatboro
Louis Damon Stefan (3 Business Administration)	Philadelphia
Edward Francis Stefanowicz (3 Business Administration)	West York
Arthur Stein (4 Business Administration)	Philadelphia
Elias Herman Stein (1 Business Administration)	Philadelphia
Phyllis Diane Stein (4 English)	Lancaster
Maryann Stever (1 History)	Philadelphia
Jeanette M. Stewart (1 English)	Gibbstown, N. J.
Charles Sommers Stokes (2 Chemistry)	Philadelphia
John William Stoll (2 Biology)	Newton, N. J.

Homer Lee Stoltzfus (Special).....	Boyertown
Nancy Holmes Stotler (2 English).....	York
Lloyd Wesley Stowe (3 Mathematics).....	Prospect Park
Charles Edward Strasbaugh (2 Mathematics).....	York
Ruth Carol Strassburger (4 English).....	Woodhaven, N. Y.
Schuyler Ellwood Street (1 Business Administration)....	Barto, R. D.
Jean Claire Stringfield (4 Mathematics).....	Somerville, N. J.
Walter John Struzek (1 Business Administration).....	Norristown
Stella Stuba (2 Chemistry).....	Conshohocken
Paul Albert Stubbs (1 Biology).....	Yardley
Phillip Quay Stumpf (3 Biology).....	Paulsboro, N. J.
Joseph Arnold Suchoza (3 History).....	Pottstown
Charles Henry Sulzberger (I Business Administration) .	Merion Station
Charles Raymond Summers (1 Biology).....	Philadelphia
Charles William Swartley (1 History).....	Chalfont
Harry Mason Swartz (1 Biology).....	Red Bank, N. J.
John Harold Swayze (1 Business Administration).....	Norristown
Stanley Barnett Swenk (1 Business Administration).....	Pottstown
Joseph Alfonzo Talocci (1 Biology).....	Nesquehoning
Raymond Charles Tanner (4 Business Administration)...	Jenkintown
Ernest Michael Tassoni (2 Biology).....	Chester
Faith Florence Taylor (4 History).....	Ardmore
Marjorie Aline Taylor (2 History).....	Chevy Chase, Md.
Samuel Keith Taylor (3 English).....	Philadelphia
Peter Anthony Tenewitz (4 Physical Education) .	Palisades Park, N. J.
Harold Irvin Terres (1 Business Administration).....	Camden, N. J.
Joseph Francis Terry (1 Business Administration).....	Philadelphia
Albert Ernest Teske (3 German).....	Philadelphia
Jack Albert Thalheimer (1 Business Administration)....	Philadelphia
Ralph Richard Thomas (1 Mathematics).....	Pottstown
Alda Kessler Thompson (3 Biology).....	Heislerville, N. J.
Alice Elizabeth Thompson (3 Mathematics).....	Yardley
Harold Edwin Thompson (3 Political Science).....	Norristown, R. D.
James Franklin Thompson, Jr. (2 Biology).....	Spring City, R. D.
Peter Winfield Thomson (1 Business Administration)	
	South Orange, N. J.
Fred James Tischler (4 English).....	Chester
Norma Adelaide Titus (2 Business Administration)....	Philadelphia
Alvin Eugene Tobis (2 Biology).....	Elberon, N. J.
Ernest Leroy Todd (4 English).....	Atlantic City, N. J.
Adam LeRoy Tomlinson (3 Biology).....	Ocean City, N. J.
Lee Trimble (1 Biology).....	Maplewood, N. J.

- Claude Franklin Troutman (4 Business Administration) ..Phoenixville
 Paul Howard Trueax, Jr. (1 Biology).....Haddonfield, N. J.
 Herbert Donald Tucker (1 Business Administration)
 Conshohocken, R. D.
 William Everett Turner, Jr. (3 Mathematics).....Cheltenham
 Beverly Jane Tuttle (2 Business Administration) ..Phillipsburg, N. J.
 Allan Graham Tyson (3 Business Administration).....Chester
 John Paul Ulmer (4 English).....South Williamsport
 Gisela Gloria Ungurian (4 Biology).....Bethlehem
 Leon Punie Urdang (2 Business Administration).....Paterson, N. J.
 Jane Louise Usher (3 History).....Philadelphia
 John Robert Vance (4 Biology).....Jersey City, N. J.
 Janet Vanderzee (Part-time).....Hawthorne, N. J.
 William Warren VanHorn (1 Biology).....Huntingdon Valley
 John Vasko (4 Mathematics).....Phoenixville
 Jacob Hursh Vastine, 3d (1 Biology).....Wynnewood
 Joan Kathryn M. Veneski (1 English).....Philadelphia
 Joan Lenore Verburg (2 English).....Westfield, N. J.
 Stanley Merz Vickers (2 Business Administration).....Philadelphia
 Katharine Elizabeth Vogt (Part-time).....Valley Forge
 Benjamin Walter Volker (2 Mathematics).....Hatboro
 William Charles Voorhees (2 Biology).....Princeton, N. J.
 Robert William Wagler (1 Biology).....Hollis, N. Y.
 Sidney Louis Wagman (2 Biology).....Burlington, N. J.
 Mary Frances Wagner (4 History).....Trenton, N. J.
 Elizabeth Ann Waite (2 Romance Languages).....New York, N. Y.
 Kenneth Kasper Walch (3 Business Administration).....North Hills
 William Philip Walker (1 Physics).....Lansdowne
 William Leslie Walls (2 Biology).....Reading
 Robert Edward Walsh (3 Business Administration).....Arcola
 Warren Wesley Walton (1 Biology).....Philadelphia
 William Edward Walton (2 Business Administration) ..Pitman, N. J.
 Jeanne Louise Waltz (3 Physical Education).....West Chester, R. D.
 Vera Frazier Wanger (4 History).....Bala-Cynwyd
 Robert Adam Wanner (3 Business Administration).....Philadelphia
 Ronson Joseph Warne (1 Chemistry).....Keyport, N. J.
 Raymond Clark Warner (4 Business Administration)....Drexel Hill
 Carolyn Elizabeth Warren (4 Physical Education) ..Haddonfield, N. J.
 Constance Eleanor Warren (4 Physical Education).....Trappe
 Reid Ernst Watson (2 Business Administration).....Philadelphia
 Richard Burr Watson (1 Business Administration)....Conshohocken
 Arthur Richard Weand (3 Mathematics).....Lansdale

- John Repp Webb (3 Business Administration).....Pitman, N. J.
 Donna Lucille Webber (1 English).....Wayne
 William Frank Weber (4 Biology).....New York, N. Y.
 Shirley Louise Weidknecht (1 Biology).....Phillipsburg, N. J.
 Mary Dee Weinberg (4 English).....Bryn Mawr
 Sara Ann Weirich (1 Chemistry).....Myerstown
 Donald James Weisel (3 Mathematics).....Perkasie, R.D.
 Norman Heacock Weisler (2 English).....Linwood
 Alvin Lewis Weiss (4 History).....Pottstown
 Herbert Weiss (4 Business Administration).....Pottstown
 Lewis Weiss (4 Biology).....Philadelphia
 Roderick Thompson Welch (1 History).....Oradell, N. J.
 Nelson A. L. Weller (1 Biology).....Philadelphia
 Nelson Jerome Wenner (2 History).....Catasaquaque
 John Eugene Wenrick (2 Mathematics).....North Bend
 Richard Clay Wentzel (4 English).....Collegeville, R. D.
 Charles Arthur Wetzel (2 English).....Lansdowne
 Willard Walter Wetzel (2 History).....Allentown, R. D.
 Dale Clinton White (3 English).....Marietta
 Stuart LeRoy White, Jr. (1 Biology).....Stratford, Conn.
 Arthur Byrd Whitney (3 Biology).....Schwenksville
 Richard Harlan Whitney (4 History).....Zieglerville
 Robert Bruce Whitney (3 Mathematics).....Ambler
 Edgar Ramon Wiklund (1 Business Administration)
 Rio De Janeiro, Brazil
 Doyle Finley Wildasin (1 History).....Dublin
 William Rambo Wilde (3 Chemistry).....Pottstown
 Jeanne Mary Wilhelm (2 Business Administration).....Myerstown
 Arthur Jordan Wilkie, Jr. (2 Business Administration).....Glenside
 Julius Joseph Willa, Jr. (4 History).....Glenolden
 Donald James Williams (2 Business Administration).....Philadelphia
 Joslyn Justus Williams, Jr. (3 Biology).....Haddonfield, N. J.
 Nancy Williams (4 English).....Bryn Mawr
 Albert John Wilson (3 Business Administration).....Phoenixville
 Frances Elizabeth Wilson (4 Romance Languages).....Malvern
 Ruth Ellen Wilson (2 Biology).....Philadelphia
 Virginia Lee Wilson (2 Mathematics).....Philadelphia
 Luther Melancthon Wilt (4 Physical Education).....York
 Barbara Jean Wiltbank (1 English).....Havertown
 Wilbur John Wimberg (2 Physical Education).....Egg Harbor, N. J.
 David Blair Winther (1 Business Administration).....Melrose Park
 Nancy Wiseman (1 History).....Wayne

List of Students

127

- Joseph Christian Wismer (3 English).....Pottstown, R. D.
Charles LeRoy Wisner (3 Mathematics).....Norristown
William Alfred Withers (2 Business Administration)
Elizabethtown, R. D.
Robert Thomas Wolford (2 Business Administration).....Fogelsville
William Henry Wolford (2 Business Administration).....Fogelsville
William Herman Wolter, Jr. (1 Business Administration)
Philadelphia
Patricia Marie Wood (2 English).....Langhorne
Joanne Elaine Woodruff (1 Physical Education).....Bridgeton, N. J.
Wayne Carmint Woodward (2 English).....Coatesville
Elaine Marie Woodworth (1 English).....Secane
Frances Annabelle Yeager (2 English).....Millersburg, R. D.
Jay Albert Yeanish (Part-time).....Slatington
Robert Brooks Yeaton (3 Mathematics).....Norristown
Barbara Ann Yerkes (4 Physical Education).....Buckingham
Kazuko Yeya (4 Chemistry).....Bridgeton, N. J.
Theodore Meredith Yoder (1 English).....Norristown
Mary Bader Yost (1 English).....Phoenixville
Donald Earl Young (1 Biology).....Catasauqua
Gladys Norma Young (3 History).....York
John Andrew Young, Jr. (2 Business Administration)..Upper Darby
William Edward Young (3 Business Administration)...Wrightsville
Jay Robert Ziegler (3 History).....Norristown, R. D.
Ralph Bentz Ziegler, Jr. (2 English).....Philadelphia
Thomas Raymond Zimmer (1 History).....Palmyra, N. J.
Alfred Jesse Zimmerman, Jr. (2 Business Administration)
Philadelphia
Loren Jacob Zimmerman (1 Business Administration).....Akron

SUMMARY, 1948-49

	<i>Men</i>	<i>Women</i>	<i>Total</i>
Mathematics	53	25	78
Chemistry-Biology-Physics:			
Chemistry	55	22	77
Biology	204	48	252
Physics	3	0	3
History-Social Science:			
History	78	40	118
Political Science	12	1	13
English	55	82	137
Foreign Languages:			
German	6	3	9
Romance Languages	8	21	29
Business Administration	219	32	251
Physical Education	26	41	67
Part-time	3	2	5
	<hr/>	<hr/>	<hr/>
Total	722	317	1039

PRIZES, HONORS AND DEGREES

Awarded in 1948

PRIZES

- THE ROBERT TRUCKSESS PRIZE—Harold Grossman, John E. Dahlman
THE ELIZABETH ROCKEFELLER McCAIN PRIZE—William L. Keller,
Charles H. Williamson
THE BOESHORE PRIZES—Robert N. Jordan, Jr., Anna C. Boyer
THE URSINUS WOMEN'S CLUB PRIZE—Hilda E. Anderson
THE URSINUS CIRCLE PRIZE—Barbara P. Shumaker
THE GEORGE DITTER PRIZE—Randolph A. Warden
THE ROSICRUCIAN PRIZE—Nancy Ruth Bare
THE PAISLEY PRIZES—Theodore M. Burns, Barbara E. Jarden
THE PHILIP H. FOGEL MEMORIAL PRIZE—No award
THE EDWIN M. FOGEL PRIZE—No award
THE ELLEN BEAVER SCHLAYBACH MEMORIAL PRIZE—Constance I.
Bartholomew
THE GEORGE W. KEHL PRIZE—Catharine Floy Lewis
THE LEIBENSPERGER CHARACTER AWARD—Richard M. Reid
THE I. CALVIN FISHER PRIZE—James J. Kromka
THE DUTTERA PRIZE—No award
THE ELIZABETH B. WHITE PRIZE IN HISTORY—Dorothy J. Marple

OPEN SCHOLARSHIP AWARDS:

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