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HAVERFORD COLLEGE BULLETIN



Catalog, 1949-1950

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HAVERFORD COLLEGE
BULLETIN



1949-1950

HAVERFORD, PENNSYLVANIA

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1949																
Sept.	S	M	T	W	T	F	S	Nov.	S	M	T	W	T	F	S	
						1	2		3				1	2	3	4
	4	5	6	7	8	9	10		6	7	8	9	10	11	12	
	11	12	13	14	15	16	17		13	14	15	16	17	18	19	
	18	19	20	21	22	23	24		20	21	22	23	24	25	26	
	25	26	27	28	29	30			27	28	29	30				
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	9	10	11	12	13	14	15		11	12	13	14	15	16	17	
	16	17	18	19	20	21	22		18	19	20	21	22	23	24	
	23	24	25	26	27	28	29		25	26	27	28	29	30	31	
	30	31														
1950																
Jan.	S	M	T	W	T	F	S	April	S	M	T	W	T	F	S	
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	22	23	24	25	26	27	28		16	17	18	19	20	21	22	
	29	30	31						23	24	25	26	27	28	29	
									30							
Feb.	S	M	T	W	T	F	S	May	S	M	T	W	T	F	S	
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	5	6	7	8	9	10	11		7	8	9	10	11	12	13	
	12	13	14	15	16	17	18		14	15	16	17	18	19	20	
	19	20	21	22	23	24	25		21	22	23	24	25	26	27	
	26	27	28						28	29	30	31				
March	S	M	T	W	T	F	S	June	S	M	T	W	T	F	S	
				1	2	3	4						1	2	3	
	5	6	7	8	9	10	11		4	5	6	7	8	9	10	
	12	13	14	15	16	17	18		11	12	13	14	15	16	17	
	19	20	21	22	23	24	25		18	19	20	21	22	23	24	
	26	27	28	29	30	31			25	26	27	28	29	30		

College Days in heavy-face type.

Calendar

1949-50

Registration of all new students. September 19-20
Beginning of College year with Assembly, 9 a.m.;
 registration of returning students. September 21
First semester classes begin, 8 a.m. September 22
First quarter ends November 12
Thanksgiving recess (dates inclusive) 1 p.m. November 23-27
Major Registration Cards for men in the fourth term must
 be filed by 4 p.m. December 7
Christmas recess (dates inclusive) 12 noon December 17-January 2
First semester classes end for students taking comprehensives. January 14
Senior comprehensive examinations (dates inclusive) January 18-21
First semester classes end. January 19
 All papers assigned must be turned in by 4 p.m.*
Mid-year examinations (dates inclusive)** January 23-February 4

Second semester classes begin, 8 a. m. February 6
Applications for fellowships for the following year must be filed by. March 1
Third quarter ends March 25
Spring recess (dates inclusive) 12 noon March 25-April 2
Major Registration Cards for men in the fourth term must
 be filed by 4 p.m. April 19
Manuscripts in competition for prizes must be filed by. 4 p.m. May 1
Second semester classes end for students taking comprehensives. May 17
Senior comprehensive examinations (dates inclusive) May 22-25
Second semester classes end. May 23
 All papers assigned must be turned in by 4 p.m.*
Final examinations (dates inclusive)** May 26-June 9
Commencement June 10

*Late papers will receive no credit unless arrangements have been made *in advance* with the instructor in the course and the Dean.

**Laboratory notebooks must be turned in not later than the scheduled time of the examination in the course. Late notebooks will receive no credit unless arrangements have been made *in advance* with the instructor in the course and the Dean. In courses which have no scheduled examination, notebooks must be turned in by 4 o'clock on the fourth day preceding the end of the examination period.

Corporation of Haverford College

Officers

DR. S. EMLEN STOKES, *President*

Moorestown, N. J.

J. HENRY SCATTERGOOD, *Treasurer*

1616 Walnut Street, Philadelphia 3, Pa.

JOHN F. GUMMERE, *Secretary*

W. School Lane and Fox Street, Philadelphia 44, Pa.

Members of the Standing Nominating Committee of the Corporation

Term Expires 1949

WILLIAM M. MAIER.....1411 Walnut Street, Philadelphia 2, Pa.

I. THOMAS STEERE.....375 W. Lancaster Avenue, Haverford, Pa.

PAUL W. BROWN.....Downingtown, Pa.

Term Expires 1950

STANLEY R. YARNALL.....5337 Knox Street, Philadelphia 44, Pa.

WILLIAM E. CADBURY.....225 South 15th Street, Philadelphia 2, Pa.

HUBERT R. TAYLOR.....910 Girard Trust Building, Philadelphia, 2, Pa.

Term Expires 1951

WILMOT R. JONES.....Alapocas Drive, Wilmington, Del.

RICHARD M. SUTTON.....785 College Avenue, Haverford, Pa.

RICHARD R. WOOD.....272 W. Main Street, Moorestown, N. J.

Board of Managers

Ex-officio as Officers of Corporation

DR. S. EMLÉN STOKES, *President*. Moorestown, N. J.
J. HENRY SCATTERGOOD, *Treasurer*. 1616 Walnut Street, Philadelphia 3, Pa.
JOHN F. GUMMERE, *Secretary*, W. School Lane and Fox Street, Philadelphia 3, Pa.

Term Expires 1949

FREDERIC H. STRAWBRIDGE. 801 Market Street, Philadelphia 7, Pa.
JONATHAN M. STEERE. 1318 Girard Trust Building, Philadelphia 2, Pa.
L. HOLLINGSWORTH WOOD. 133 E. 40th Street, New York 16, N. Y.
STANLEY R. YARNALL. 5337 Knox Street, Philadelphia 44, Pa.
WILLIAM W. COMFORT. Haverford, Pa.
DR. HENRY M. THOMAS, JR. 314 Overhill Road, Baltimore 10, Md.
ALEXANDER C. WOOD, JR. 325 Chestnut Street, Philadelphia 6, Pa.
HAROLD EVANS. 1000 Provident Trust Building, Philadelphia 3, Pa.
W. NELSON WEST, III*. 1411 Walnut Street, Philadelphia 2, Pa.

Term Expires 1950

MORRIS E. LEEDS. 1025 Westview Street, Philadelphia 19, Pa.
M. ALBERT LINTON. 4601 Market Street, Philadelphia 39, Pa.
EDWARD WOOLMAN. Haverford, Pa.
THOMAS W. ELKINTON. Public Ledger Building, Philadelphia 6, Pa.
HENRY C. EVANS. 635 Manatawna Avenue, Philadelphia 28, Pa.
WILLIAM M. MAIER. 1411 Walnut Street, Philadelphia 2, Pa.
J. COLVIN WRIGHT*. 116 E. Penn Street, Bedford, Pa.
GARRETT S. HOAG. 131 Glen Road, Wellesley Farms, Mass.
DR. JONATHAN E. RHOADS. 4023 Pine Street, Philadelphia 4, Pa.

Term Expires 1951

CHARLES J. RHOADS. Ithan Road, Bryn Mawr, Pa.
EDWARD W. EVANS. Awbury, Germantown, Philadelphia 38, Pa.
WILLIAM A. BATTEY. 605 Walnut Lane, Haverford, Pa.
DR. FREDERIC C. SHARPLESS. Rosemont, Pa.
JOHN A. SILVER. Tabor Road and E. Adams Avenue, Philadelphia 20, Pa.
WILLIAM B. BELL. 30 Rockefeller Plaza, New York 20, N. Y.
WILMOT R. JONES. Alapocas Drive, Wilmington, Del.
H. JUSTICE WILLIAMS. 1331 Fidelity-Phila. Trust Bldg., Phila. 9, Pa.
WESLEY M. HEILMAN*. 126 Edgewood Road, Ardmore, Pa.
WILLIAM P. PHILIPS*. 220 West 56th Street, New York 19, N. Y.

Faculty Representatives on Board of Managers

Term Expires 1950

HARRY W. PFUND

Alternates, 1949-50: CARL B. ALLENDOERFER and THOMAS E. DRAKE

Term Expires 1951

WILLIAM B. MELDRUM

Officers

Chairman of Board

DR. S. EMLÉN STOKES

Secretary of Board

W. NELSON WEST, III

* Alumni Representative Manager.

**Standing Committees of the Board of Managers
of the Corporation of Haverford College**

*The Chairman of the Board is an ex-officio
member of all committees*

Executive Committee

S. EMLÉN STOKES, <i>Chairman</i>	MORRIS E. LEEDS
JONATHAN M. STEERE	EDWARD W. EVANS
J. HENRY SCATTERGOOD	JOHN F. GUMMERE
FREDERIC C. SHARPLESS	WILMOT R. JONES
ALEXANDER C. WOOD, JR.	JONATHAN E. RHOADS
THOMAS W. ELKINTON	WESLEY M. HEILMAN
W. NELSON WEST, III	

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JONATHAN M. STEERE, <i>Chairman</i>	M. ALBERT LINTON
J. HENRY SCATTERGOOD	WILLIAM M. MAIER
ALEXANDER C. WOOD, JR.	WILLIAM P. PHILIPS

Committee on College Property and Farm

WILLIAM A. BATTEY, <i>Chairman</i>	HENRY C. EVANS
FREDERIC H. STRAWBRIDGE	THOMAS W. ELKINTON
EDWARD W. WOOLMAN	JOHN A. SILVER

Committee on Honorary Degrees

HENRY M. THOMAS, JR., <i>Chairman</i>	HAROLD EVANS
STANLEY R. YARNALL	L. HOLLINGSWORTH WOOD
WILLIAM W. COMFORT	GARRETT S. HOAG
M. ALBERT LINTON	

Library Committee

ALEXANDER C. WOOD, JR., <i>Chairman</i>	WILMOT R. JONES
WILLIAM W. COMFORT	WILLIAM P. PHILIPS

Counsel

MACCOY, BRITTAİN, EVANS AND LEWIS
1632 Chestnut Street, Philadelphia 3, Pa.

Faculty

- GILBERT FOWLER WHITE.....*President*
S.B., S.M., and Ph.D., University of Chicago.
- WILLIAM WISTAR COMFORT.....*President, Emeritus*
A.B., A.M. and LL.D., Haverford College; A.M. and Ph.D., Harvard University; Litt.D., University of Pennsylvania; LL.D., University of Maryland and Lake Forest College.
- LEGH WILBER REID.....*Professor of Mathematics, Emeritus*
S.B., Virginia Military Institute; A.B., Johns Hopkins University; S.M., Princeton University; Ph.D., University of Göttingen.
- ALBERT HARRIS WILSON.....*Professor of Mathematics, Emeritus*
S.B. and S.M., Vanderbilt University; Ph.D., University of Chicago.
- ‡HENRY VOLKMAR GUMMERE.....*Lecturer in Astronomy, Emeritus*
S.B., A.M., and Sc.D., Haverford College; A.M., Harvard University.
- FREDERIC PALMER, JR.....*Professor of Physics, Emeritus*
A.B., A.M., and Ph.D., Harvard University.
- LEON HAWLEY RITTENHOUSE.....*Professor of Engineering, Emeritus*
M.E., Stevens Institute of Technology.
- FRANK DEKKER WATSON.....*Professor of Sociology and Social Work, Emeritus*
S.B. in Economics and Ph.D., University of Pennsylvania.
- DEAN PUTNAM LOCKWOOD.....*Professor of Latin, Emeritus*
A.B., A.M., and Ph.D., Harvard University.

(The active members of the Faculty are arranged in the order of their appointment to their present rank. Two or more appointed in the same year are listed in alphabetical order.)

- WILLIAM EDWARD LUNT.....*Walter D. and Edith M. L. Scull*
Professor of English Constitutional History
A.B. and L.H.D., Bowdoin College; A.M. and Ph.D., Harvard University.
- WILLIAM BUELL MELDRUM.....*John Farnum Professor of Chemistry*
B.A. and M.Sc., McGill University; Ph.D., Harvard University.
- LEVI ARNOLD POST.....*Professor of Greek*
A.B. and A.M., Haverford College; A.M., Harvard University; B.A. and M.A., Oxford University.
- EMMETT REID DUNN.....*David Scull Professor of Biology*
A.B. and A.M., Haverford College; Ph.D., Harvard University.
- EDWARD DOUGLAS SNYDER.....*Professor of English*
A.B., Yale University; A.M. and Ph.D., Harvard University.
- JOHN ALEXANDER KELLY.....*Professor of German*
A.B., Emory and Henry College; A.M. and Ph.D., Columbia University
- DOUGLAS VAN STEERE.....*Professor of Philosophy*
S.B., Michigan State College; B.A., Oxford University; A.M. and Ph.D., Harvard University.
- CLETUS ODA OAKLEY.....*Professor of Mathematics*
S.B., University of Texas; S.M., Brown University; Ph.D., University of Illinois.

‡ Deceased

- RICHARD MANLIFFE SUTTON.....*Professor of Physics*
S.B., Haverford College; Ph.D., California Institute of Technology.
- RALPH MILLARD SARGENT.....*F. B. Gummere Professor of English*
A.B., Carleton College; Ph.D., Yale University.
- CARL BARNETT ALLENDOERFER.....*Professor of Mathematics*
S.B., Haverford College; B.A. and M.A., Oxford University; Ph.D., Princeton University.
- HOWARD MORRIS TEAF, JR.....*Professor of Economics*
S.B. in Economics, A.M., and Ph.D., University of Pennsylvania.
- JOHN WILLIAM FLIGHT.....*Professor of Biblical Literature*
A.B., Hope College; A.M., Yale University; B.D. and Ph.D., Hartford Theological Seminary.
- JOHN GOODWIN HERNDON.....*Professor of Public Finance*
A.B. and A.M., Washington and Lee University; Ph.D., University of Pennsylvania.
- *ABRAHAM PEPINSKY.....*Professor of Psychology*
A.B. and A.M., University of Minnesota; Ph.D., State University of Iowa.
- IRA DE AUGUSTINE REID.....*Professor of Sociology*
A.B., Morehouse College; A.M., University of Pittsburgh; Ph.D., Columbia University.
- ALFRED JULIUS SWAN.....*Professor of Music on joint*
B.A. and M.A., Oxford University. *appointment with Swarthmore College*
- HARRY WILLIAM PFUND.....*Professor of German*
A.B., Haverford College; A.M. and Ph.D., Harvard University.
- HOWARD COMFORT.....*Associate Professor of Latin and Greek*
A.B., Haverford College; A.M. and Ph.D., Princeton University.
- ROY EARL RANDALL.....*Associate Professor of Physical Education*
Ph.B., Brown University. *and Director of Intercollegiate Athletics*
- THOMAS EDWARD DRAKE.....*Associate Professor of American History*
A.B., Stanford University; A.M., University of Michigan; Ph.D., Yale University.
- CLAYTON WILLIAM HOLMES.....*Associate Professor of Engineering*
S.B. and M.E., University of New Hampshire; A.M., Haverford College.
- RICHARD MAX BERNHEIMER.....*Associate Professor of History of Art on*
joint appointment with Bryn Mawr College
Ph.D., University of Munich.
- WILLIAM EDWARD CADBURY, JR.....*Associate Professor of Chemistry*
S.B. and A.M., Haverford College; Ph.D., University of Pennsylvania.
- THOMAS OSWELL JONES.....*Associate Professor of Chemistry*
B.E., Oshkosh Teachers College; Ph.M. and Ph.D., University of Wisconsin.
- LOUIS CRAIG GREEN.....*Associate Professor of Astronomy*
A.B., A.M. and Ph.D., Princeton University.
- FILLMORE HARGRAVE SANFORD.....*Associate Professor of Psychology*
A.B., Richmond University; A.M., Ph.D., Harvard University.

* Absent on leave, 1949-50.

- HERMAN MILES SOMERS.....*Associate Professor of Political Science*
S.B. and Ph.M., University of Wisconsin; A.M. and Ph.D., Harvard University.
- WILLIAM DOCHERTY.....*Associate Professor of Physical Education*
S.B., Temple University. *and Director of Physical Education*
- THEODORE BRINTON HETZEL.....*Associate Professor of Engineering*
S.B., Haverford College; S.B. in M.E., University of Pennsylvania; M.S. and Ph.D., Pennsylvania State College.
- LAURENCE WILLIAM WYLIE.....*Associate Professor of Romance Languages*
A.B. and A.M., University of Indiana; Ph.D., Brown University.
- HOWARD KNICKERBOCKER HENRY.....*Assistant Professor of Biology*
S.B., University of Pennsylvania.
- ALFRED WILLIAM HADDLETON.....*Assistant Professor of Physical Education*
- MANUEL JOSE ASENSIO.....*Assistant Professor of Spanish*
B.A., University of Granada; Pericial de Aduanas, Academia Oficial de Aduanas, Madrid; A.M., University of Pennsylvania.
- JOHN ASHBY LESTER, JR.....*Assistant Professor of English*
S.B., Haverford College; A.M. and Ph.D., Harvard University.
- THOMAS ALONZO BENHAM.....*Assistant Professor of Physics*
S.B. and S.M., Haverford College.
- FRANCES DE GRAAFF.....*Assistant Professor of Russian*
Ph.D., University of Leyden. *on joint appointment with Bryn Mawr College*
- OTTO THEODOR BENFEY.....*Assistant Professor of Chemistry*
B.Sc. and Ph.D., London University.
- HOLLAND HUNTER.....*Assistant Professor of Economics*
S.B., Haverford College; A.M., Harvard University.
- JAMES HARRY STREET.....*Assistant Professor of Economics*
A.B. and A.M., University of Texas.
- DONALD LAURENCE THOMSEN, JR.....*Assistant Professor of Mathematics*
A.B., Amherst College; Ph.D., Massachusetts Institute of Technology.
- MARCEL MARC GUTWIRTH.....*Assistant Professor of French*
A.B., Columbia College; A.M., Columbia University.
- H. FIELD HAVILAND, JR.....*Assistant Professor of Political Science*
A.B. and A.M., Harvard University.
- FRANCIS HOWARD PARKER.....*Assistant Professor of Philosophy*
A.B., Evansville College; A.M., Indiana University; Ph.D., Harvard University
- *HOWARD H. BRINTON.....*Visiting Professor of Biblical Literature*
A.B., Haverford College; A.M., Harvard University; Ph.D., University of California.
- *HENRY GIFFEN RUSSELL.....*Visiting Assistant Professor of Biblical Literature*
A.B., Haverford College; A.M. and Ph.D., Harvard University.
- FRANK SAMUEL LOESCHER.....*Visiting Assistant Professor of Sociology*
A.B., M.S. and Ph.D., University of Pennsylvania

* Second Semester, 1948-49

- *DANIEL THORNER *Visiting Research Assistant Professor of Political Science*
S.B., City College, New York; Ph.D., Columbia University.
- HERBERT WILLIAM TAYLOR *Lecturer in Hygiene*
A.B., Haverford College; M.D., University of Pennsylvania.
- MARTIN FOSS *Lecturer in Philosophy*
LL.D., University of Jena.
- ARLINGTON EVANS *Instructor in Physical Education*
B.P.E., Normal College A.G.U.; S.M., Temple University.
- JOHN OTTO RANTZ *Instructor in Engineering*
Graduate of the Williamson Free School of Mechanical Trades.
- ELISA ASENSIO *Instructor in Spanish*
- JOHN ASHMEAD, JR. *Instructor in English*
A.B. and A.M., Harvard University.
- ALFRED GILBERT STEER, JR. *Instructor in German*
A.B., Haverford College; A.M., Duke University.
- **MARK BLANK *Instructor in Philosophy*
B.A., Columbia University; M.A., University of Pennsylvania
- *G. EDWARD JANOSIK *Instructor in Political Science*
S.B., Southeast Missouri State College; A.M., University of Pennsylvania.
- JOHN PEARSON ROCHE *Instructor in Political Science*
A.B., Hofstra College; A.M., Cornell University.
- ROBERT B. WOLF *Instructor in Humanities*
A.B., Haverford College; LL.B., Harvard University.
- RICHARD HARDIN WARREN *Instructor in English*
B.S., Haverford College
- NORMAN B. BRAMALL *Assistant in Physical Education*
- RAYMOND BRAMALL *Assistant in Physical Education*
- NORMAN MONTGOMERY WILSON *Assistant in Engineering*
- DONALD N. MELDRUM *Assistant in Chemistry*
S.B., Haverford College.
- JOHN HAUGHTON WRENN *Assistant in Public Speaking*
B.A. and M.A., University of Michigan
- WILLIAM HEARTT REESE *Director of Glee Club and Orchestra*
on joint appointment with Bryn Mawr College
A.B., Amherst College; M.A., Columbia University; Ph.D., University of Berlin.

The Dean and the Comptroller are members of the Faculty.

* Second semester, 1948-49.

** 1948-49

Administration

- GILBERT FOWLER WHITE.....*President*
S.B., S.M. and Ph.D., University of Chicago.
- ARCHIBALD MACINTOSH.....*Vice-President and Director of Admissions*
A.B., Haverford College; A.M., Columbia University.
- LESTER CORNERIUS HAWORTH.....*Vice-President*
S.B., Earlham College.
- GILBERT THOMAS HOAG.....*Dean*
A.B., Haverford College; A.M. and Ph.D., Harvard University.
- *ABRAHAM PEPINSKY.....*Registrar*
A.B. and A.M., University of Minnesota; Ph.D., The State University of Iowa.
- MRS. EDYTHA M. CARR.....*Assistant Registrar*
- ALDO CASELLI.....*Comptroller and Business Manager*
D.S.E. and C., University of Naples.
- AMY LYDIA POST.....*Acting Librarian*
A.B., Earlham College.
- THOMAS EDWARD DRAKE.....*Curator of the Quaker Collection*
A.B., Stanford University; A.M., University of Michigan; Ph.D., Yale University.
- HERBERT WILLIAM TAYLOR.....*Physician in Charge*
A.B., Haverford College; M.D., University of Pennsylvania.
- MABEL SYLVIA BEARD.....*Resident Nurse*
R.N., Lankenau Hospital.
- LOUIS CRAIG GREEN.....*Director of the Strawbridge Memorial Observatory*
A.B., A.M., and Ph.D., Princeton University.
- SEATON SCHROEDER.....*Superintendent of Buildings and Grounds*
S.B. and C.E., University of Pennsylvania.
- MRS. ETHEL ELIZABETH BEATTY.....*Dietician*
- BENNETT SMEDLEY COOPER.....*Alumni Secretary and Assistant to the President*
S.B., Haverford College.
- MRS. ALICE MATTSON BERRY.....*Secretary to the President*
- GERTRUDE MANN WONSON.....*Admissions Office*
S.B., Simmons College.

* Absent on leave, 1949-50

Standing Committees of the Faculty and Administration

The President and the Vice-Presidents are ex-officio members of all committees. The President, the three elected divisional representatives of the Faculty, the Vice-Presidents and the Dean compose the Academic Council. Under the chairmanship of the President this body meets occasionally to consider student petitions and matters of college policy. The elected members for 1949-50 are Messrs. Reid (Social Science), Green (Natural Sciences), and Lester (Humanities).

ACADEMIC STANDING: Mr. Docherty, *Chairman*.

Messrs. Benfey, Haviland, Parker, Snyder, Teaf.

ADMISSIONS: Mr. MacIntosh, *Chairman*.

Messrs. Asensio, Bernheimer, Flight, Warren.

CURRICULUM AND COLLEGE PROGRAM: Mr. Wylie, *Chairman*.

Messrs. Allendoerfer, Hoag, Jones, Reid, Sanford.

FELLOWSHIPS AND PRIZES: Mr. Herndon, *Chairman*.

Messrs. Ashmead, Holmes, Kelly, Lunt, Sutton.

GRADUATE STUDENTS: Mr. Meldrum, *Chairman*.

Messrs. Comfort, Drake, Dunn, Foss, Post, Steere.

LIBRARY: Mr. Lester, *Chairman*.

Messrs. Green, Henry, Sargent, Somers.

NON-ACADEMIC INSTRUCTION: Mr. Pfund, *Chairman*.

Messrs. Benham, Gutwirth, Hetzel, Randall, Roche, N. Wilson.

PREMEDICAL EDUCATION: Mr. Cadbury, *Chairman*.

Messrs. Henry, Sanford, Street, Sutton, Taylor.

STUDENT AFFAIRS: Mr. Oakley, *Chairman*.

Messrs. Docherty, Hoag, Hunter, Thomsen; Mrs. Asensio, Miss deGraaff.

THE COLLEGE PROGRAM



HAVERFORD COLLEGE

AS A QUAKER COLLEGE, Haverford stresses in its educational policy the importance of personal and social ideals. In the past, this concern has been expressed through Fifth Day Meeting and Collection, rather than in any formal way in the requirements for the degree. Recent changes in faculty rulings, however, have put a heavier emphasis on philosophic and evaluative courses within the academic curriculum itself. The College is not satisfied with scholarship and intellectual expertness alone, though it values highly these qualities; in its new plans, Haverford will stress increasingly the importance of sound ethical judgment based upon clear perception of individual and social aims.

In its curricular work, Haverford insists on a high standard of achievement. The College's selective admissions policy brings together a varied group of promising young men in each Freshman class. A reasonably high aptitude for academic work is an essential prerequisite, but selection is made also with qualities of personality and character in mind. In its strictly academic work, the College stresses intellectual integrity, independence of judgment, the imaginative grasp of interrelationships, and the capacity to do independent work. Mastery of facts and of the techniques of research is always important, but even more so is the desire and moral capacity to use these skills for worthwhile ends.

Student government and extra-curricular activities are planned to develop qualities of character not commonly cultivated in the classroom. The non-academic program recently instituted is calculated to encourage growth in a sense of responsibility for constructive community service, in the appreciation of beauty, and in certain creative skills not properly included in the curriculum itself. The meditative silence of Fifth Day Meeting continues, as always, to make an important contribution to the spiritual development of Haverford men.

These aims have always been important in Haverford's educational program; the changes now contemplated are intended to increase their importance in the curricular work of the College.

History

HAVERFORD COLLEGE was founded in 1833 as the first college established by members of the Society of Friends in the United States. Wherever the first Quaker settlers set up their meetings for worship, they also opened schools, but because Friends have no ordained ministry or priesthood set apart from secular life, they made in the beginning no provision for institutions of higher learning. With the expansion of science and learning in the early nineteenth century, however, the need for advanced training was felt by the Friends as it was by the many other religious groups in America which founded colleges in that era. A tragic separation in American Quakerism in 1827-28 brought this need sharply to the attention of certain leaders of the "Orthodox" Quaker body in Philadelphia and New York. They organized Haverford, therefore, as an institution which would provide an "enlarged and liberal system of instruction" to meet the intellectual needs of "Friends on this continent," offering a course of instruction in science, mathematics, and classical languages "as extensive as given in any literary institution in this country." In religion, morals, and manners, the students who attended Haverford were, in the Quaker phrase of the day, to receive a "guarded" education, but their training was to be "equal in all respects to that which can be obtained in colleges." Haverford College in those days was modestly called Haverford School, but the intent was clear to create an intellectual center that would give to Friends the kind of education which other young Americans were receiving in the best colleges.

The choice of the site of Haverford College exercised its founders for three years; it was settled by the purchase of 198 acres of rolling farmland in the center of the Welsh Tract, a large area originally set apart by William Penn for Quaker immigrants from Wales. The region still bears the native place-names of its settlers, of which Haverford is one. The site was propitious. Today the College campus (increased to 216 acres) is a beautiful area of fields and woodlands, although the Philadelphia suburbs have spread out along the Main Line to Haverford and beyond. What had been fields grew into a graceful sweep of lawns, distinguished by trees and by planting reminiscent of an English garden. This was the contribution of William Carvill, an English

landscape gardener whose careful planting gave Haverford a campus of great charm.

During the first forty years of the College's existence, Founders Hall, the original building, Alumni Hall, which is now incorporated in the Library, and an Astronomical Observatory comprised the major part of the physical plant. Throughout this era Haverford men were proving by their effectiveness in their communities the soundness of the principles on which the College had been founded. In 1847 Haverford opened its doors to young men who were not members of the Society of Friends, and in 1856 it became a degree-granting institution, with a tradition of high scholarship which has continued unshaken. At the same time it has adhered to its Quaker traditions of simplicity of living and enlightened interest in social issues.

An era of progress began in 1874 under the presidency of Thomas Chase. He and his brother, Professor Pliny Earle Chase, brought the institution to full academic stature, and strengthened its endowment. In this period a number of new buildings were erected, notably Barclay Hall, which, as the principal dormitory, became the center of student life.

President Isaac Sharpless, 1887-1917, led Haverford College into the forefront of American collegiate institutions. His many-sided genius enabled him to gather and hold together a faculty of extraordinary capacity. In his regime, and the years immediately following, modern dormitories and classrooms, well-equipped laboratories for Chemistry, Physics, Biology, and Engineering were added to the growing assembly of buildings. The Gymnasium was erected in 1900; Roberts Hall, containing administrative offices and a large auditorium, in 1903. The Haverford Union, used for many College activities, dates from 1910; the Morris Infirmary from 1912. A modern Observatory was built in 1933, and a modern addition to the Library was completed in 1941.

As the College enrollment has grown in recent years, the need for residences in which men of like tastes and interests might have more intimate associations has been met by the establishment of a Spanish House and a French House, each with a resident director. In these specialized student residences the occupants have the advantages of group life without the social discrimination of a fraternity system.

The original fund of \$60,000 raised when the College was started has been increased by generous bequests and donations to more than \$4,500,000. This endowment enables the College to maintain a superior

faculty of unusual size in proportion to the number of students. Student enrollment is limited in order that teaching may continue on the basis of personal acquaintance in a unified community, as it has throughout the history of Haverford College.

Haverford Station on the Pennsylvania Railroad, between Bryn Mawr and Ardmore, is twenty minutes from downtown Philadelphia. The campus fronts on the famous Lancaster Pike (U. S. 30). It is approximately two hours train journey from Haverford to New York or Baltimore and less than three hours to Washington. Philadelphia's Orchestra, its museums and libraries, its scientific laboratories and industrial plants are all easily accessible to Haverford students, who can make full use of the cultural opportunities of a city while enjoying the beauty of a college campus in a quiet suburban setting.

Admission

THE POLICY of Haverford College is to admit to the Freshman class those applicants who, in the opinion of the Committee on Admissions, are best qualified to profit by the opportunities which the College offers and at the same time to contribute to undergraduate life. Due regard is given not only to scholarly attainment, as shown by examination and by school record, but also to character, personality, and interest and ability in important extra-curricular activities.

Whenever practicable, the College will arrange for the candidate to have a personal interview with the Director of Admissions or another administrative officer. Every applicant should realize that, in view of the limited enrollment, he is entering a competition for admission to a carefully selected and comparatively small student organization. On the basis of all information available—College Board reports, school record, class standing, evidence touching on character and personality—the application will be accepted or rejected, and the decision of the Committee on Admissions is final. Preference will be given to those with superior records and credentials rather than to those with mere priority of application.

Students who are accepted will be admitted without conditions. Those who, on entrance, show marked proficiency in certain subjects will be permitted to take courses usually not open to Freshmen; in such cases, however, the number of courses required for a degree will not be diminished.

Each applicant for admission must take the Scholastic Aptitude Test and, after consultation with the Admissions Office, three Achievement Tests given by the College Entrance Examination Board. Applications involving divergence from the normal procedure must be discussed in detail with the Director of Admissions. In addition, the applicant must obtain blank forms from the College, on which he must submit his school record and a certificate of character signed by his school principal. The school certificate must show satisfactory attainment in 15 units* of work.

The preparatory course must include four years of English, at least a year and a half of Algebra and one year of Geometry, and three years

* A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. A four years' secondary school curriculum should be regarded as representing not more than 16 units of work.

of a foreign language. Cases involving divergence from the requirements should be discussed with the Director of Admissions. The remaining units will be drawn from laboratory science, social science, history, and additional mathematics and language.

A candidate may offer an elective in a subject not usually listed, provided he shows proficiency which indicates an amount of study and intellectual effort commensurate with that required in other subjects. The subject chosen must have the approval of the Admissions Committee.

Information Concerning College Entrance Board Tests

The College Entrance Examination Board will hold a complete series of examinations on each of the following dates during the academic year 1949-1950:

Saturday, December 10, 1949	Saturday, March 11, 1950
Saturday, January 14, 1950	Saturday, May 20, 1950
Wednesday, August 9, 1950	

On each of the dates listed above, the schedule of tests will be as follows:

8:45 A.M.—Scholastic Aptitude Test (Verbal and Mathematical Sections)

1:45 P.M.—Achievement Tests—Candidates may take not more than three of the following:

English Composition	Advanced Mathematics
Social Studies	Biology
French Reading	Chemistry
German Reading	Intermediate Mathematics
Latin Reading	Physics
Spanish Reading	Spatial Relations

In addition, at the March, 1950, series only, Achievement Tests in Greek Reading and Italian Reading will be offered, but only to candidates who register in advance specifically for these tests.

The schedule permits a candidate to take the morning Scholastic Aptitude Test and a maximum of three of the afternoon Achievement tests.

Copies of the Bulletin of Information may be obtained without charge from the College Entrance Examination Board. The Bulletin contains rules regarding applications, fees, and reports; rules for the conduct of the tests, advice to candidates, descriptions of the tests, sample questions, and lists of examination centers.

Candidates should make application by mail to the College Entrance Examination Board. Students who wish to take the examinations in any of the following States, territories, or foreign areas should address their inquiries and send their applications to College Entrance Examination Board, P. O. Box 775, Berkeley, California:

Arizona	New Mexico	Territory of Hawaii
California	Oregon	Province of Alberta
Colorado	Utah	Province of British Columbia
Idaho	Washington	Republic of Mexico
Montana	Wyoming	Australia
Nevada	Territory of Alaska	Pacific Islands, including Japan and Formosa

Candidates applying for examination in any State or foreign area not given above should write to College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey.

Application forms will be sent to any candidate upon request. When ordering the forms candidates must state whether they wish applications for the December, January, March, May or August tests. Application forms for the December tests will be available early in the fall; those for the January tests will be ready for distribution about November 21; forms for any other particular series will be available immediately after the preceding series has been held. A copy of the Bulletin of Information is routinely sent to every candidate requesting an application blank.

Each application submitted for registration must be accompanied by the examination fee. A detailed schedule of fees follows:

Scholastic Aptitude Test and one, two or three	
Achievement Tests	\$12.00
Scholastic Aptitude Test only	6.00
One, two or three Achievement Tests only	8.00

All applications and fees should reach the appropriate office of the Board not later than the dates specified below:

For examination centers located

<i>Date of Tests</i>	<i>In the United States, Canada, the Canal Zone, Mexico, or the West Indies</i>	<i>Outside the United States, Canal Zone, Mexico, West Indies</i>
December 10, 1949	November 19, 1949	October 22, 1949
January 14, 1950	December 24, 1949	November 26, 1949
March 11, 1950	February 18, 1950	January 21, 1950
May 20, 1950	April 29, 1950	April 1, 1950
August 9, 1950	July 19, 1950	June 21, 1950

Applications received after these closing dates will be subject to a penalty fee of three dollars in addition to the regular fee.

Candidates are urged to send in their applications and fees as early as possible, preferably at least several weeks before the closing date, since early registration allows time to clear up possible irregularities which might otherwise delay the issue of reports. Under no circumstances will an application be accepted if it is received at either of the Board offices later than one week prior to the date of the examination. No candidate will be permitted to register with the supervisor of an examination center at any time. Only properly registered candidates, holding tickets of admission to the centers at which they present themselves, will be admitted to the tests. Requests for transfer of examination center cannot be considered unless these reach the Board offices one week prior to the date of the examination or earlier.

The Board will report the results of the tests to the institutions indicated on the candidates' applications. The colleges will, in turn, notify the candidates of the action taken upon their applications for admission. Candidates will not receive reports upon their tests from the Board.

Advanced Standing

Since Haverford offers an integrated education, admission with advanced standing is ordinarily granted only in a limited number of cases. An undergraduate who comes from an approved college must submit an official statement of his honorable dismissal, together with a full list of his accepted preparatory subjects, and a list of all his college courses, with his record therein.

Financial Arrangements

Rooms

ENTERING FRESHMEN are assigned the rooms available after the other classes have made their choice. It is not always possible to meet the desire of Freshmen for the cheapest rooms. The College assumes that a new student will accept any available room of approximately the same price as the room for which a preference is expressed. The choice of rooms by other students is governed by published rules.

A deposit of \$35 is required of all new students at the time their application is accepted. A similar deposit is required also of those students who have not been in attendance at the College during the immediately preceding semester. This amount will be deducted from the bill for the following year. If the student fails to present himself at the beginning of the semester for which he has been enrolled, the deposit will be forfeited.

Students are expected to treat College property with the same consideration as their own. A student is held financially responsible for any damage to his room, and any damage wilfully done will be sufficient reason for requesting withdrawal from the College.

Expenses

The tuition charge for all regular students is \$600 for the academic year. Tuition for special students is \$80 per course, per semester. The board is \$12.50 per week, and room rent ranges from \$115 to \$212.75 according to the location of the room and the number of occupants. The Unit Fee is \$55 per year. Charges are subject to alteration by the Board of Managers.

The room charges include heat, electric light, service, and the use of necessary bedroom furniture, i.e., a bureau, table, chair, study lamp, and a bed, the linen for which is furnished and laundered by the College. Students will supply their own study furniture, blankets, and towels.

The College requires that bills rendered August 15 and January 15 for the following semester's tuition, board, room, unit fee, and deposits be paid in full before the beginning of the semester.

In order to avoid last minute congestion, it is suggested that bills be paid by mail in advance. Upon receipt of payment, registration

cards will be released by the Comptroller's Office to the Registrar, and students, except Freshman or transfer students, need not report at the Office of the Comptroller.

The Unit Fee includes the following: Student activities fee, laboratory fees, health fee, accident insurance (to a maximum of \$500 per accident), diploma, and psychological tests when required by the College. Students who are insured at home on a blanket accident policy, for no less than \$500 per accident, will be granted a reduction from the unit fee equal to the premium the College would pay to the insurance carrier, on condition that their personal accident policy covers all accidents without any exclusion whatsoever, and that the policy is filed with the Office of the Comptroller at the time when relief from payment of this share of the unit fee is requested.

The College requires a \$20 deposit to cover the cost of books and any other incidental charges which may arise during the school year. When the balance is \$10.00, a bill for the actual charges already made will be sent to the student, and payment is expected upon presentation of the bill, thus reinstating the deposit to the original \$20.00. Any unspent balance is refunded at the end of the academic year.

Resident veterans in training under Public Law 16 or Public Law 346 will be required to pay for their tuition on the first day of each semester unless they have presented satisfactory evidence that they have complied with the appropriate regulations of the Veterans Administration.

No reduction or refund of the tuition charge will be made after the first two weeks of any semester. If a student withdraws before the completion of the first two weeks, there will be a complete refund of his tuition. In case of illness or absence for any reason from the College, for four weeks or more, there will be a prorated refund of board. In case of withdrawals at any time, there will be no reduction of room rent for the semester unless the same room is re-rented, in which case the withdrawn occupant will receive the amount paid to the College by the new occupant. The unit fee cannot be refunded for any reason.

College Responsibility

The College is not responsible for loss due to fire, theft, or any other cause. Students who wish to cover the fire risk may apply for information at the Office of the Comptroller.

Monthly Payments

Because some parents may prefer to pay tuition and other College fees in equal monthly installments during the academic year, the College is glad to offer this convenience under The Tuition Plan. The cost is 4% greater than when payment is made in cash at the beginning of each semester.

Student Loan Fund

A loan fund is available for deserving students, other than members of the Freshman Class and transfer students during their first year, who may require financial assistance during their college course.

For information apply at the Office of the Comptroller.

Student Aid

In addition to the Student Loan Fund and to scholarship help, the College offers students the opportunity to work at standard rates in the library and as clerical assistants to faculty and administrative officers of the College. Appointments are made from a list of eligible students prepared by the Vice-President.

Scholarships

SCHOLARSHIPS are of two kinds: competitive, and those awarded on a basis of merit and individual need. No scholarship is given for more than one year.

No scholarship will be given to a student who has a failure against him at the time of application.

No scholarship will be given to a student whose previous college bill has not been paid in full.

All preliminary correspondence and applications for undergraduate scholarships for 1949-1950, together with supporting letters from parents or guardians, should be in the hands of the Vice-President before April 15, 1950.

It is assumed that requests for scholarships will not be made by those whose expenses can be met by their parents or from other sources.

I. CORPORATION SCHOLARSHIPS.—Sixteen scholarships of the annual value of \$300 each are awarded, without formal application, to the four students in each class who have the highest average grades. Ranking is determined in the case of upper classmen by their general average for the year. In the case of the incoming Freshman Class, the scholarships will be assigned after the June examinations (see page 21) to those candidates entering by any plan of admission who are judged to be best prepared to do the work of the College.

II. ISAIAH V. WILLIAMSON SCHOLARSHIPS.—Three scholarships, normally \$250 each, usually awarded to members of the Senior and Junior classes.

III. RICHARD T. JONES SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

IV. EDWARD YARNALL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

V. THOMAS P. COPE SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

VI. SARAH MARSHALL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

VII. MARY M. JOHNSON SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

VIII. ISAAC THORNE JOHNSON SCHOLARSHIP.—One scholarship, normally of the annual value of \$225, available for a student of Wilmington College or a member of Wilmington (Ohio) Yearly Meeting of Friends.

IX. CASPAR WISTAR MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$250, available preferably for sons of parents engaged in Christian service (including secretaries of Young Men's Christian Associations) or students desiring to prepare for similar service in America or other countries.

X. LOUIS JAQUETTE PALMER MEMORIAL SCHOLARSHIP.—This scholarship of \$200 is awarded on application, preferably to a member of the Freshman Class who, in the opinion of a committee representing the donors and the President of the College, shall give evidence of possessing the qualities of leadership and constructive interest in student and community welfare which his friends observed in Louis Jaquette Palmer of the Class of 1894.

XI. J. KENNEDY MOORHOUSE MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$300, intended for the member of the Freshman Class who shall appear best fitted to uphold at Haverford the standard of character and conduct typified by the late J. Kennedy Moorhouse of the Class of 1900—"a man modest, loyal, courageous, reverent without sanctimony; a lover of hard play and honest work; a leader in clean and joyous living."

XII. PAUL W. NEWHALL MEMORIAL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

XIII. ROBERT MARTIN ZUCKERT MEMORIAL SCHOLARSHIPS.—Two or more scholarships, normally of the annual value of \$250, preference to be given to "a native of New York or Connecticut who now resides in one of those States."

XIV. SAMUEL E. HILLES MEMORIAL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

XV. CLASS OF 1913 SCHOLARSHIP.—One scholarship, normally of the annual value of \$125, preference to be given to sons of members of

the Class of 1913 who may apply and who meet the usual requirements of the College.

XVI. ISAAC SHARPLESS SCHOLARSHIP FUND.—Founded in 1941. Scholarships open to graduates of secondary schools and undergraduates of Haverford College. Awards based upon fulfillment by applicant of requirements used in selection of Rhodes Scholars to the University of Oxford. Awards granted from list submitted to Selection Committee by the Director of Admissions, subject always to final approval by the President of the College; amount variable.

XVII. CLASS OF 1917 SCHOLARSHIP.—One scholarship, normally of the annual value of \$200, preference to be given to sons of members of the Class of 1917 who may apply and who meet the usual requirements of the College.

XVIII. THE GEOFFREY SILVER MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$500, available to a Public School graduate in this general area who may enter Haverford.

XIX. DANIEL B. SMITH SCHOLARSHIP.—One scholarship, normally of the annual value of \$200, awarded “in the discretion of the Faculty, as an annual scholarship for some young man needing financial aid in his College course. Preference is to be given to a descendent of Benjamin R. Smith, if any such should apply.”

XX. SARAH TATUM HILLES MEMORIAL SCHOLARSHIP FUND.—Founded November 1, 1943, by bequest of \$75,534.58 from Joseph T. Hilles, Class of 1888, in memory of his mother, Sarah Tatum Hilles, “to provide for such number of annual scholarships of \$250 each as such income shall be sufficient to create”; to be awarded by the Managers to “needy and deserving students, and to be known as ‘Sarah Tatum Hilles Memorial Scholarships.’”

XXI. ELIHU GRANT MEMORIAL SCHOLARSHIP FUND.—Two scholarships, normally of the annual value of \$300 each, established February 2, 1944, by Mrs. Elihu Grant “to commemorate the service to Haverford College of Dr. Elihu Grant, from 1917 to 1938 a member of the College Faculty. The income from this fund is applied to scholarship assistance to students in Humanistic studies, primarily those specializing in the study of Biblical Literature and Oriental subjects.” In special circum-

stances the income may be utilized to assist those working for a post-graduate degree at Haverford College.

XXII. JOSEPH L. MARKLEY MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$500, awarded at the discretion of the Faculty, “on the basis of character, scholarship and financial need.”

XXIII. JOSEPH C. AND ANNE N. BIRDSALL SCHOLARSHIP.—One scholarship, normally of the annual value of \$500, awarded at the discretion of the Faculty “to some student or students preparing for medicine, the selection to be based on character, scholarship and financial need.”

XXIV. DANIEL E. DAVIS, JR., MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$125, awarded at the discretion of the Faculty, “on the basis of character, scholarship and financial need.”

XXV. CHRISTIAN FEBIGER MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$200, established June 13, 1946, by Mrs. Madeleine Seabury Febiger in memory of her husband, Christian Febiger, of the Class of 1900. The income of this fund is applied in paying tuition and other college expenses of worthy, needy students.

XXVI. THE IDA BELL SCHOLARSHIP.—Five scholarships of at least \$175 each available for the education of Quaker children.

XXVII. THE W. W. COMFORT FUND.—This fund, established in 1947 by the Haverford Society of Maryland, provides an annual grant of \$300. Grants from this fund are made with the understanding that the recipient shall, at an unstated time after leaving college, repay to the fund the amount which he received while an undergraduate.

Most of the scholarships listed above are permanent foundations. In addition, the alumni in various districts support regional scholarships.

Curriculum

General

Haverford is a liberal arts college. Its curriculum is designed to develop in its students the capacity to learn and understand, and to make sound judgments based on knowledge and on thought. The requirements for the degree insure the exercise of these skills in each of the broad fields of human knowledge and their subtler development in a single field of concentration.

Bachelor's Degree

Students who have received credit for the full number of courses in prescribed and elective studies, provided they have met the other requirements of the College, attained a general average of 70 or above for the Junior and Senior years respectively, and provided they have passed their Major examinations with a grade of 70 or above, are granted the Degree of Bachelor of Arts or Bachelor of Science. The degree normally conferred upon all candidates meeting these requirements is that of Bachelor of Arts. Upon request by the candidate and approval by the department concerned, however, the Bachelor of Science degree will be granted to men majoring in Natural Science, Mathematics, or Engineering.

Every student in full standing at Haverford College shall normally carry a program of five courses per semester for four years. The minimum full schedule of four courses will be approved by the Dean only under unusual circumstances. To graduate, a student must have completed successfully the work of forty semester-courses, and in addition three years of Physical Education. The courses may be classified as follows:

Required	2
Limited Electives (either two or four in Foreign Languages—see below)	14 or 16
Major Concentration (maximum)	12
Free Electives	10 or 12
	<hr/>
Total	40

The award of Honors for work toward the Bachelors' degree is described on pages 110, 111.

Required Courses

Two semester courses in English, English 11 and English 12, are required of all Freshmen. There are no other required courses at Haverford College.

Limited Electives

To ensure breadth of distribution, every student is required to pass a certain number of courses, as indicated, in each of four groups. The details of the requirement were changed during June, 1946. (Men who entered Haverford before September, 1946, come under the older requirements, which are listed in the 1946-47 and earlier catalogs.) The new requirements, which must be fulfilled by all men entering Haverford in September, 1946, and thereafter, are as follows:

1. **FOREIGN LANGUAGES:** One full-year course in a foreign language beyond the elementary grade. For the purpose of this requirement, all first year foreign language courses, with the exception of Greek 11-12, are considered as of elementary grade.

(N.B. A single full-year language course, if included among those listed under the Humanities requirements below, will satisfy requirements in both Group I and Group II.)

2. **HUMANITIES:** The requirement may be met by passing four semester courses as follows:

- (a) Two semester courses from the following: Humanities 21-22; any course in the Department of Philosophy (with the exception of Philosophy 24); Biblical Literature 12, 23.
- (b) Two semester courses from the following departments:
Biblical Literature (except 12, 13, 23 and 30); English (except English 11, 12, 26 and 37); French, German, and Spanish, any course numbered 21 or above; Greek; History of Art; Latin; Music; Philosophy 24.

3. **NATURAL SCIENCES:** The requirement may be met by passing four semester courses, two each from two of the following three groups:

- (a) Biological Science General Course; Biology; Psychology.
- (b) Physical Science General Course; Chemistry; Physics.
- (c) Astronomy; Geology (at Bryn Mawr College); Geography; Mathematics.

4. **SOCIAL SCIENCES:** The requirement may be met by passing four semester courses selected from at least two of the following departments:

Social Science General Course; Economics; History; Political Science; Sociology.

Free Electives

A number of courses sufficient to bring the total to forty semester courses shall be chosen by the student, with the understanding that for the Freshman and Sophomore years the College reserves the right, through the Faculty Adviser and the Dean, to prevent unreasonable combinations of courses, and that in the Junior and Senior years the student will choose his free electives after consultation with his Major Supervisor.

Non-Academic Electives

Three terms of Physical Education or of non-academic subjects are required of all Freshmen, Sophomores, and Juniors. These courses must be passed in addition to the 40 semester courses of academic work required for a degree.

Major Concentration

A student may elect to major in any one of the following departments: Astronomy, Biblical Literature, Biology, Chemistry, Economics, Engineering, English, French, Geology (Bryn Mawr College), German, Greek, History, History of Art (Bryn Mawr College), Latin, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Sociology, Spanish.

Definite requirements are stated under the name of each department on pages 47-93. During the fourth semester of his attendance each student should confer with the Major Supervisor of the department in which he wishes to major, and apply to him for written approval of a program of courses for the last four semesters. Such a program must provide for the completion, by the end of the Senior year, of no fewer than twelve semester courses, or the equivalent, at least six of which must be in the Major Department and the others in closely related fields. Should the student's application be rejected by the department of his first choice, he must immediately apply in another. Failure to file with the Dean, before the date specified on the College Calendar, a copy of his Major Program signed by his Major Supervisor, will entail a fine of \$5. Any student who continues delinquent in this matter will be debarred from the final examinations in his fourth semester. Should the student's application be rejected by all the departments to which he applies, he will not be promoted.

A student who applies for permission to become a Major in any department may be rejected *for scholastic reasons only*. The College rule on this point is:

If, at the time specified for application, the average of the grades obtained by a student in the "preliminary courses"* of any department is 75 or above, the student will be accepted by that department.

If the average of the grades obtained in these courses is below 70, the student will be accepted in that department only under exceptional circumstances.

If the average of the grades obtained in these courses is 70 or above, but below 75, the decision will be at the discretion of the Major Supervisor.

Each Senior must take a special Major comprehensive examination (written, oral, or both) during the week preceding the final examination period. The passing grade for this examination is 70. In case of failure, a candidate may, with the permission of his Major department, present himself for re-examination at a date (to be determined by the Major Supervisor) later than Commencement Day of the current year.

If the re-examination is taken one year later, during the regular period of Major examinations, there is no fee. But if the candidate applies for re-examination at an earlier date (involving the preparation of a special examination for one individual), and if the request is granted, the fee is \$25.

A student who has been formally accepted as a Major by any department has the right to remain as a Major in that department as long as he is in College. Should he wish to change from one department to another after the beginning of his fifth semester, the change can be made only with the consent of the new Major Supervisor and the Dean.

In order to allow time for preparation for the Comprehensive examination, any Senior may omit, with the consent of his Major Supervisor, one non-Major semester course in the semester preceding his Comprehensive examination. The time thus taken for preparation for the Comprehensive examination shall be technically called course 100 in the student's department of concentration. Hence there will be no

* "Preliminary courses" are any courses the student may already have taken in the department to which he is applying. If the applicant has not already taken any courses in that department, the department may name courses in other departments which are to be regarded as "preliminary."

diminution in the total requirement of forty semester courses for the degree.

Examinations in courses in the Major subject taken in the last semester of the Senior year may be omitted at the discretion of the Major Supervisor.

Freshman Program

Although the Faculty Adviser is instructed to lay out for each Freshman a plan of study suited to his special needs, the Faculty requires that English be taken throughout the year, and recommends in all usual cases that Freshmen take one foreign language. In addition, three courses chosen from Mathematics, Natural Science, Social Science, and Philosophy make a reasonable Freshman program.

The courses open to Freshmen, in addition to the required work in English 11 and English 12, and in Physical Education, are numbered 11 to 20 in the section on Courses of Instruction. Where the student is qualified, Freshmen may be permitted by the department concerned and by the Dean to take more advanced courses.

In cooperation with the Department of Psychology, the Registrar administers a series of standard tests to all entrants within the first few days of each semester. The results of these tests are used to help Freshmen readjust, if necessary, their selection of courses. The tests are also used to determine which Freshmen should be recommended to take the voluntary course in Remedial Reading, which is offered each term, for no credit, to students who feel the need of establishing reading habits that will improve their comprehension and increase their speed in reading.

Preparation for Professions

A large number of Haverford College students plan, after graduation, to enter upon courses of study in preparation for professions. As a liberal arts college, Haverford arranges its curriculum in such a way that men who have such plans are acceptable applicants to professional schools. The College does not, however, attempt to anticipate in its own curriculum the work of any of the graduate schools. It is the conviction of the Faculty that the best preparation for graduate work is sound and scholarly training in basic disciplines, to which more specialized training may later be added.

Students interested in laying a firm foundation at Haverford College for later specialization are advised to consult with the Major Supervisors in the departments most closely related to their eventual professions, and to plan with them a program of courses calculated to give the best possible basis for advanced work. Men who plan to go on in the field of Engineering should consult with the Chairman of the Department of Engineering; those who are preparing for the ministry should see the Chairman of the Department of Biblical Literature. Men who plan to prepare for the Law may consult with the Dean of the College and with their Advisers, and, if they choose, also with members of the Departments of Economics, of Political Science, and of History. Men who plan to prepare in Graduate School for careers in teaching should consult early with the Major Supervisors of the departments in which they are interested, in order to plan their work to include the prerequisites for admission to Graduate School.

In consequence of the relatively large number of students who prepare at Haverford for medical school, a special Faculty Committee to advise students planning to become physicians or dentists has been set up. The Chairman of the Committee on Premedical Education is glad to consult with students who seek his advice. Every student who intends to study medicine should consult with him early in each college year.

The premedical program makes provision not only for the necessary courses in the premedical sciences but also for a sufficient number of courses in the non-science fields to ensure the student a well-balanced education. Over-specialization in science in the premedical course is not encouraged by the College nor by the medical schools. Since only 14 to 16 semester courses in the premedical sciences are required, an ample number of courses remain to meet any special requirements of particular medical schools and the requirements of the College in *limited electives*, as well as to enable the student to choose a Major in accord with his scholastic interest.

A satisfactory preparation for work in medical school would involve the following courses at Haverford College: Biological Science 11, Biology 12, 21-22, Chemistry 13, 14, 23, 25, 26, and 28, Mathematics 11-12 or 13-14, Physics 13-14.

The premedical student must see to it that any special requirements of the medical school of his choice are met in his college program. If American history has not been studied in high school, it must be taken in college in order to meet a requirement of State Boards of Medical Licensure.

A Medical College Admission test, conducted by the Educational Testing Service for the Association of American Medical Colleges, is given twice each year, in October and in February. This test must be taken by all candidates for admission to medical school for the class entering in the following September. It is recommended that the test be taken in October. The Graduate Record Examination also must be taken by students applying to Harvard Medical School.

Regulations

Conflicting Courses

A student is not allowed to elect conflicting courses, except with the permission of the Dean and the two instructors concerned.

Additional Courses

In general, Freshmen will be permitted to take only five courses. Sophomores and upperclassmen may take a sixth course only if they have passed five courses in the preceding semester with an average of not less than 80. Exceptions to this rule may be made at the discretion of the Dean in the case of Seniors. A fee of \$40 per semester is charged for every additional course.

Special Cases

Whenever a student gives proof of special abilities, the College is prepared to lay aside such requirements of the normal program as stand between him and the development of his gifts.

Grading of Students

In determining the standing of the student, daily recitations, papers, hour examinations, and final examinations are all considered. Reports, with numerical grades and averages, are issued at the end of each semester.

Freshmen are required to obtain a general average for the year of at least 60 for promotion to the Sophomore class; Sophomores are required to obtain a general average for the year of at least 65 for promotion to the Junior class; Juniors, 70 for promotion to the Senior class;

and Seniors, 70 for graduation. Students who fail to make promotion averages will normally be dropped from College.

Failures and Dropped Courses

A student who receives a grade of 50-59 (E) as his semester mark in any course is allowed to take a special examination to make up this work. The grade in the special examination will replace the grade originally earned in the mid-year or final examination of the course; the new grade will be entered on the student's transcript and the semester average will be revised accordingly.

The special examinations for courses failed at mid-year's will be given immediately after spring vacation of the year in which the failure occurred. The special examinations for courses failed in June will be given in the following September. Unless the student is ill or otherwise incapable of taking the examinations at the scheduled time, there will be no other opportunity of making up the work.

The Senior who receives a course grade of 50-59 in June is permitted to take the special examination during Commencement Week. This arrangement does not, however, apply to the Comprehensive Examination. (See Page 35). These examinations are known as make-up examinations. They are scheduled only upon written request by the student and on the payment of the fee of \$5.00 for each examination. In the case of make-up examinations to be taken after spring vacation, which apply to courses failed at mid-year's, the request and the fee must be received at least one week before the beginning of spring vacation. In the case of make-up examinations to be taken in September, which apply to courses failed in June, the written request and the fee must be filed by August 1st. When applications are received late, it may not be possible to arrange for an examination; in any case, late applicants are subject to an additional fee of \$5.00. A student who receives a grade below 50 in any course is not permitted to take a make-up examination in that course.

A student with a grade below 50 as his semester grade, or with 50-59 as his semester grade in any course after the special examination privilege has lapsed, or after taking a make-up examination, must repeat the course if it is a required course (repeated courses are recorded and averaged in the year of repetition), or may substitute some other course if the failure is in an elective course. No course may be repeated more

than once; failure to pass a repeated required course will consequently prevent a student from obtaining his degree.

When a student drops a course, an arbitrary grade of 40 shall be recorded by the Registrar unless the instructor turns in a lower grade, except that in unusual cases, with the permission of the instructor in the course and of the Dean, a course may be dropped without a recorded grade. All recorded grades will be included in the semester average.

A course once reported to the College office shall not be removed from the student's record. In the case of failure this shall apply, even though the credit deficiency has been made up by taking an extra course in a subsequent semester, or by applying a credit previously obtained.

Any student whose record is such as to justify the belief that he is not availing himself of the opportunities offered by Haverford College may be dropped.

Intercollegiate Cooperation

Because of the cooperative relationship between Bryn Mawr College, Haverford College, Swarthmore College, and the University of Pennsylvania, full-time students of any of these four institutions may, upon presentation of the proper credentials, enroll for courses in another institution of the group. This does not involve the payment of additional fees, except in laboratory courses. Visiting students will be charged the same laboratory fees or deposits as in their own institution.

Students desiring to take advantage of this arrangement should secure permission from the Dean and from the Chairman of the department at the college in which the course is given. It is also desirable that the instructor giving the course be consulted in advance. It is the student's responsibility to register in the selected course on registration day at the institution where the course is to be given. The course should also be entered on his registration card in his own institution.

Graduate students should obtain permission to take courses at other institutions from the Committee on Graduate Students. Ordinarily, the holder of a graduate fellowship will not be permitted to take more than one course in another institution for credit on his Haverford record.

Visitors and Lecturers

Under a recently announced policy, the College has arranged that during every academic year each Department of the Faculty will invite

a visitor to Haverford for a few days to meet with the members of the department and with men concentrating in that field of work. These departmental visitors, who will sometimes give public lectures, are expected to contribute considerably to the vitality of the work in the various departments.

The Haverford Library Lectures and the Shipley Lectures, both endowed lectureships, provide annual speakers. The endowment for the former, a gift from the estate of Mary Farnum Brown, is available "for an annual course or series of lectures before the Senior Class of the College, and other students, on the Bible, its history and literature, and as a way may open for it, upon its doctrine and its teaching." The fund for the latter was presented by Samuel R. Shipley, in memory of his father, Thomas Shipley. The income from the Shipley fund is used "for lectures on English literature." At the weekly Collection meetings of the whole College prominent visitors talk to the student body on subjects of current interest.

The Class of 1898 Lectureship was established by that class in 1948.

Current Changes

A committee of the Faculty has for several years been occupied in evaluating the College's program and suggesting improvements. As these suggested changes are accepted by the Faculty, they are put into effect. Among them have recently been included the new Limited Elective requirements, the introduction of general courses, and the non-academic courses offered in September, 1948, for the first time.

This work of the Committee is likely to result in progressive changes during the undergraduate course of students now entering Haverford. The tendency of these changes has thus far been, and will very probably continue to be, toward a heavier stress on the philosophical, evaluative, and ethical elements in liberal arts studies.

Graduate Study

Admission to Candidacy for Master's Degree

GRADUATES OF INSTITUTIONS of standing equivalent to that of Haverford College, who present satisfactory evidence of character, seriousness of purpose, and scholarly attainments, may be admitted as candidates for the degree of Master of Arts or Master of Science. The number of graduate students to be admitted each year will be determined by the administration, in view of the situation obtaining in the College and in individual departments in that year. A candidate for the graduate degree must show competence in one language besides English. Each applicant will be advised, on request, of the language requirements to be met in the particular department in which he wishes to carry out his specialized study.

Requirements

A candidate is required to pass four full-year advanced courses or their equivalent,* each with a grade of not less than 80, and to do satisfactory additional intensive work, which may take the form of a thesis or other research, equivalent at least to a full course. At least two of the courses and the additional intensive work must be in the special field chosen by the candidate, and the remaining courses in allied subjects. In addition, the candidate may be required, at the discretion of the professor in charge, to pass a comprehensive examination upon the field of his special study. The scope of the examination will be determined by the professor in charge, and will be communicated to the candidate when he is admitted as a graduate student. The entire plan of study must be drawn up by the candidate in consultation with the professor under whom he proposes to do the major part of his work. This plan must be submitted for approval before October 1 to the Chairman of the Committee on Graduate Students. After approval by this Committee, the program must be filed with the Registrar. In cases where a thesis is required, each candidate must deposit two copies of his thesis in the College Library by May 10.

A minimum of one year's residence is required, and a candidate, if

* In a full-year course in which credit is not granted for the work of a single semester, the course grade is the average of the two semester grades; in other cases each semester's work is a separate course, for the purposes of this requirement.

well prepared, should be able to complete his work for the degree in this time. If his preparation is inadequate, a longer period of residence may be necessary, but candidates for the Master's degree must complete the required work in not more than two academic years. Courses taken before the registration of the candidate as a graduate student at Haverford College will not usually be counted toward the degree.

Candidates who engage in any occupation or employment other than graduate study will not generally be able to satisfy the requirements for the degree in one year.

Fellowships

Five Thomas Wistar Brown Fellowships of \$1000 each are available every year primarily for members of the Society of Friends and for the graduates of other Friends' colleges in the United States. Should any of these Fellowships be unclaimed by eligible candidates from Friends' colleges, they will be open to graduates of other colleges. These Fellowships are intended for qualified men who wish to avail themselves of a year in the Quaker environment of Haverford to pursue graduate studies in the fields of religion, philosophy, sociology, history, and kindred subjects. Each candidate and his proposed schedule of study must be approved by the Committee on Graduate Students. Holders of these Fellowships may live at Haverford or, by arrangement with the Vice-President of the College, at the community of Pendle Hill, situated a few miles from Haverford.

Applications should be accompanied by the following records: a certified list of the applicant's courses and grades as an undergraduate; three letters concerning the character, personality, financial condition, and qualifications of the applicant; a copy of the catalog of the institution in which the applicant was an undergraduate; and three copies of a small photograph. Applications and other material should be in the hands of the Vice-President of Haverford College before March 1 to secure consideration for the following year.

Charges.—For charges and fees see pp. 25-27.



COURSES OF INSTRUCTION

Course Numbering

THE NUMBERING SYSTEM used in this catalog involves a two-digit number for each semester course. Courses numbered from 11 through 20 are open to Freshmen; courses numbered from 21 through 30 are open to Sophomores; courses numbered from 31 through 60 are open to Juniors; courses numbered from 61 through 80 are open only to Seniors; courses numbered from 81 through 99 are project courses open to Seniors, and often also to Juniors; in each department the course in preparation for the comprehensive examination is numbered 100.

When two course numbers, followed by a single description, are joined by a hyphen, the course is a year course; credit will not normally be given for the first semester without the second. When two course numbers, followed by a single description, are separated by a comma, the first semester may be taken without the second, though the two are normally taken together as a year course.

Unless otherwise stated, courses with uneven numbers are given in the first semester; those with even numbers in the second.

Astronomy

THE DEPARTMENTAL WORK is designed to give students an understanding of and an interest in the universe in which they live. At all times in the course work the relation of astronomy to the other fields of learning is kept to the fore. The courses progress from the elementary, through courses requiring more mathematical and physical background, to the strictly logical and critical development of a limited problem.

Major Requirements

Astronomy 11-12, 31, 32, 81, 82, and 100.

Four courses to be chosen from Mathematics 21-22, 31, 32, 63, and Physics 13-14, 21, 32.

Three written comprehensive examinations of three hours each.

11-12. **DESCRIPTIVE ASTRONOMY**—*Four hours. Three class periods and one laboratory period a week.* Mr. Green.

Our knowledge of the motions, composition, organization, and evolution of the solar system, stars, and galaxies is presented, together with explanations of the methods by which this information is obtained. The laboratory work consists of visual, photographic, and spectroscopic observations of the sun, moon, planets, stars, and nebulae. These observations are treated as illustrations of the theory of optical instruments and the theory of measurement. Year course.

Offered annually.

31. **ASTROPHYSICS**—*Three class periods a week.* Mr. Green.

An introduction to spectroscopy and statistical mechanics leads to the study of ionic and molecular equilibria in the atmospheres of the stars, in the diffuse nebulae, and in interstellar space. Prerequisite: *Physics 13-14* and *Mathematics 21-22*; Junior or Senior standing. Semester course.

Offered annually.

32. **ASTROPHYSICS**—*Three class periods a week.* Mr. Green.

The transfer of radiation in stellar atmospheres and the internal constitution of the stars. Prerequisite: *Physics 13-14* and *Mathematics 21-22*; Junior or Senior standing. Semester course.

Offered annually.

81, 82. **SPECIAL TOPICS IN ASTROPHYSICS**—*Three class periods a week.* Mr. Green.

The content of this course may vary from year to year to suit the needs of advanced students. It may be repeated for credit. Prerequisite: Considerable maturity in Mathematics, Physics, and Astronomy, such as *Mathematics 63*, *Physics 21*, and *Astronomy 31*; Senior standing. Semester course.

Offered annually.

Biblical Literature

THE COURSES in this Department are intended to give opportunity for study of our literary, moral, and religious heritage from the cultures which flourished in the Eastern Mediterranean lands where the roots of our civilization lie.

Those courses which are specifically Biblical in content are directed toward appreciation and understanding of Old and New Testaments and Apocrypha, their history, meaning, and interpretation. These courses cover broadly the historical backgrounds, literary qualities, and enduring religious values in these works of creative genius. Course 11, a survey of the whole Bible, is recommended as properly introductory to this field, but it is not a prerequisite for election of all other courses in the Department. Courses 12, 13, and 22, somewhat more advanced, place emphasis respectively upon the growth of religious ideas, the beginnings of the Christian movement, the literary history and art of the Bible, and its influence upon English and other literatures. Most of these courses deal inevitably with the wider implications of Biblical teachings in the religious life of man and the world. Advanced research or conference courses offer opportunity for intensive work by individual students on problems of archaeological, historical, philosophical, or religious interest. Course 30 affords study of the broad background of the great early culture-centers of the Near East, where the first significant steps toward civilization were taken, many of whose achievements have come down in unbroken line into our western civilization. Finally, a course in comparative religion (Biblical Literature 23) is designed to acquaint the student with the nature and significance of religion in various cultures of our modern world.

Besides helping to orient the student in his religious thought and life, the work in this Department may serve as a broad foundation for graduate study looking toward teaching, the ministry, or other professional service.

Major Requirements

Six half-year courses in Biblical Literature, and Biblical Literature 100.

Six other half-year courses in either Biblical Literature or related departments, such as English, History, Philosophy, Psychology, Sociology.

Special study of one selected Biblical field, e.g., history, literature, the Old or New Testament.

A comprehensive examination covering the history, literature, and criticism of the Bible, and the religious and moral life of the Hebrews, Jews, and Christians.

11. **INTRODUCTION TO THE BIBLE**—*Three periods a week.* Mr. Flight.
Literary history of the Biblical books; problems of origins, growth, interpretation, literary and religious values. Semester course.
Offered annually.
12. **DEVELOPMENT OF CHRISTIAN THOUGHT**—*Three periods a week.*
Mr. Flight.
Exploration of selected problems and principles of Christian living, with reference to their backgrounds and their meaning and application to contemporary life. Prerequisite: *Biblical Literature 11, 13, or 23.* Semester course.
Offered annually.
13. **THE RISE OF CHRISTIANITY**—*Three periods a week.* Mr. Flight.
A study of the background, early development, and spread of the Christian movement, up to the third century, as reflected in the New Testament, particularly in the book of Acts and the letters of Paul, and in the writings of the Church Fathers. Semester course.
Offered in 1949-50 and alternate years.
22. **THE ENGLISH BIBLE**—*Three periods a week.* Mr. Flight.
(Also called *English 22.*)
History and literary art of the English Bible, particularly the King James version, and its influence on English and other literature. Not open to Freshmen. Semester course.
Offered in 1949-50 and alternate years.
23. **COMPARATIVE RELIGION**—*Three periods a week.* Mr. Flight.
A comparative study of the great living religions, their founders, their scriptures, their characteristic ideas and ideals. Not open to Freshmen. Semester course.
To be offered in 1950-51 and alternate years.
30. **ANCIENT HISTORY OF THE NEAR EAST**—*Three periods a week.* Mr. Flight.
(Also called *History 30.*)
The beginnings of Western civilization in the cultures of the Near East; archaeological and historical. Not open to Freshmen. Semester course.
To be offered in 1950-51 and alternate years.
- 81 or 82. **SPECIAL TOPICS—ADVANCED SEMINAR**—*Three periods a week.*
Mr. Flight.
Individual work to be elected by the student from one or more of the following divisions of the field: literature, archaeology, history, philosophy. Prerequisite: A grade of 85 or more in one course in the department. Limited to six students. May be repeated for credit with change of content. Semester course.
Offered annually.

Biology

THE COURSES in Biology are planned to meet the needs of the general student, as well as those of the specialist. Since man is himself a living organism, knowledge of the generalizations derived from studies of living organisms is reasonably to be considered part of the equipment of every educated man.

The careers opening from a background of undergraduate biology courses are: (a) medicine, dentistry, and veterinary medicine, all of which require some undergraduate biology—a field of endeavor which may be termed *biological correction*; (b) positions in wild life and fish and game services, forestry, agriculture, animal husbandry—a field which may be termed *biological control*; (c) positions in museums and other research and curatorial capacities which may be termed *biological investigation*; (d) teaching.

Beginning with the basic course, Biological Science 11, sequences can be planned leading through the various other courses to advanced individual work in Botany, in Ecology, in Entomology, and in Vertebrate Zoology or Vertebrate Anatomy. Such advanced work should be elected and registered as Biology 81, 82.

Major Requirements

The minimum Major requirements consist of Biological Science 11, Biology 12, 14, 31-32 plus three other semester-courses in Biology. Any work in Biology 81, 82 is to be additional to the minimum.

Four semesters of work in at least two other fields of science, in courses to be approved by the Department after consultation.

Reading and reporting on some fifteen approved books, to be done at any time between the end of the Sophomore year and the comprehensive examination at the end of the Senior year.

Comprehensive examination, partly written and partly oral, near the end of the Senior year. The grade on this and the reported reading will be entered under the heading of Biology 100.

11. BIOLOGICAL SCIENCE 11.

(See General Courses, p. 63.)

12. GENERAL ZOOLOGY—*Four hours. Two class periods and two laboratory periods a week.* Mr. Dunn and Mr. Henry.

This is a strict course in structure and classification. The objective is a knowledge of the diversity of the animal kingdom and the methods employed in investigating and dealing with that diversity. The lectures will deal with the principles and practice of classification, the laboratory with the evidences for

the structural basis for the classification. Required of all Biology Majors and of all premedical students. Prerequisite: *Biological Science 11*. Semester course. Offered annually.

14. BASIC BOTANY—*Four hours. Two class periods and one laboratory period a week.* Mr. Henry.

This course has been designed to extend the knowledge of general principles gained in *Biological Science 11* to the distinctive characteristics of plants. Structure, physiology, and classification are considered with particular attention to the special relationship of plants and plant activities to human welfare. Required of all Biology Majors. Prerequisite: *Biological Science 11*. Semester course.

Offered annually.

21-22. VERTEBRATE MORPHOLOGY (Anatomy and Embryology)—*One class period and two laboratory periods a week.* Mr. Dunn.

The laboratory work of this course includes the dissection of the principal types of vertebrates. The lectures deal with the development, status, and history of the organ systems of vertebrates. Prerequisite: *Biology 12*. Year course.

Offered annually.

25. ADVANCED BOTANY—*Two class periods and one laboratory period a week.* Mr. Henry.

The work of this course consists of the identification of representative flowering plants, together with the study of their taxonomy, distribution, and economic importance. The preparation of a local collection is encouraged. Prerequisite: *Biology 14*. Semester course.

Offered annually.

31-32. EVOLUTION, HEREDITY, AND OTHER GENERAL BIOLOGICAL PROBLEMS—*Three class periods a week.* Mr. Dunn.

This course is intended not only for students of Biology, but for all who wish to be informed on recent developments in the field of biology, especially students of Sociology, Philosophy, and History. Special emphasis is given to the modern theories of evolution and of heredity. Prerequisite: Junior standing. Year course.

Offered in 1949-50 and alternate years.

33-34. ENTOMOLOGY—*Two class periods and one laboratory period a week.* Mr. Henry.

The lectures and reading in this course furnish a background for the study of the physiology and anatomy of insects. The value of a knowledge of insects to man is stressed in both lectures and laboratory work. The preparation of a local collection is encouraged. Prerequisite: *Biology 12*. Year course.

Offered annually.

61-62. FUNDAMENTALS OF SYSTEMATICS—*Three hours.*

Given at the Philadelphia Academy of Sciences. Open only to Seniors, with consent of the Department. Year course.

81, 82. PROJECT COURSES—*Three hours.* Mr. Dunn and Mr. Henry. Open only by permission of the instructor.
Offered annually.

Chemistry

THE PROGRAM of courses in chemistry is planned for the purposes of sound education rather than of technical training. When taken in proper sequence they afford a developing knowledge of chemistry as a rational science. Fundamental principles are stressed but sufficient experimental and other factual material is introduced to render these principles clear and to illustrate their applicability. Emphasis is placed upon precision of observation, measurement, and statement, and upon the application of the inductive-deductive method of scientific development, with the aim of making the study of chemistry of value in other fields of learning.

A Major in chemistry who intends to undertake graduate study in chemistry should include in his program courses 24, 31, 32, 63, 64 and 65, together with German 13-14, Mathematics 21-22, and Physics 13-14. This is in accord with the level of accomplishment recommended by the American Chemical Society, which has placed Haverford on its approved list. Course 81 or 82, giving some insight into the aims and methods of original research, is also desirable. For the courses in chemistry required for premedical preparation, see page 37.

Students whose scholastic record prior to entrance indicates a satisfactory proficiency in elementary chemistry may enter the more advanced course, Chemistry 13, directly from high school. Others desiring work in chemistry will take Physical Science 11 and Chemistry 12 in preparation for Chemistry 13.

Major Requirements

Chemistry 13, 14, 23, 25, 26, 28 (or 31, 32), and 100.

Physics 13-14, and three additional advanced courses in Chemistry.

The comprehensive examination will cover the Chemistry courses listed together with selected topics in the field of chemistry.

Majors will meet with members of the Staff for one period per week for a critical discussion of the chemical principles studied in the courses and the application of these principles to modern developments in the science.

Candidates for Final Honors in Chemistry will pursue, during the Junior and Senior years, a course of reading and conference on the history of chemistry, recent advances in chemistry, and the philosophy of science. They must satisfy the Department as to their ability to read chemical German and should acquire some knowledge of the methods of original chemical research and some skill in the art of glass blowing. The Honors program should be arranged with the Major Supervisor at the beginning of the Junior year.

Premedical students who are candidates for Final Honors in Chemistry will be expected to write a paper based upon library research. This will be in addition to any paper submitted in connection with course 81 or 82.

12. **ELEMENTARY CHEMISTRY**—*Four hours. Three class periods and one laboratory period a week.* Mr. Benfey.

A study of the fundamentals of chemistry, the preparation, properties, and uses of the more common elements and their compounds, and the application of general principles of chemistry to industrial processes. Prerequisite: *Physical Science 11*. Semester course.

Offered annually.

13, 14. **INORGANIC CHEMISTRY AND QUALITATIVE ANALYSIS**—*Four hours. Three class periods and one laboratory period a week in first semester; two class periods and two laboratory periods a week in second semester.* Mr. Meldrum, Mr. Jones, Mr. Cadbury and Assistants.

Lectures and recitations dealing with the fundamental principles of chemistry, solutions of nonelectrolytes and electrolytes, the ionic theory and its application to analytical processes and electrolytic phenomena, the periodic law, radiations, and the theories of atomic and molecular structure and their applications in chemistry. The systematic qualitative analysis of inorganic materials by the semimicro method will be emphasized in the laboratory. Prerequisite: *Chemistry 12* or High school chemistry and consent of the instructor. Semester courses.

Offered annually.

21. **INORGANIC CHEMISTRY**—*Four hours. Three class periods and one laboratory period a week.* Mr. Cadbury and Assistants.

Lectures and laboratory work dealing with the preparation, properties, and uses of the more common elements and their compounds, and the application of the general principles of chemistry to industrial processes. The laboratory work includes elementary analytical tests. Prerequisite: *Physical Science 11, 12*. Not open to Freshmen. Semester course.

To be discontinued after 1949-50.

22. **QUALITATIVE ANALYSIS**—*Four hours. Two class periods and two laboratory periods a week.* Mr. Cadbury and Assistants.

Lectures on ionic equilibria and their application to qualitative analytical chemistry. The systematic qualitative analysis of inorganic materials using the semimicro method constitutes the laboratory work. Prerequisite: *Chemistry 21*. Not open to Freshmen. Semester course.

To be discontinued after 1949-50.

23. **QUANTITATIVE ANALYSIS**—*Four hours. Two class periods and two laboratory periods a week.* Mr. Meldrum.

Lectures and laboratory work dealing with the general principles of gravimetric, volumetric, electrolytic, and colorimetric methods of analysis. Prerequisite: *Chemistry 14* or 22. Limited to forty students. Semester course.

Offered annually.

24. **ADVANCED QUANTITATIVE ANALYSIS**—*Three hours. One class period and two laboratory periods a week.* Mr. Meldrum.

Lectures and conferences dealing with general methods for the quantitative determination of the elements and the analysis of industrial materials. The

laboratory work includes the complete quantitative analysis of certain inorganic materials. Prerequisite: *Chemistry 23*. Semester course.
Offered annually.

- 25, 26. ORGANIC CHEMISTRY—*Four hours. Three class periods and one laboratory period a week.* Mr. Meldrum and Mr. Jones.

A study of aliphatic, aromatic, and heterocyclic compounds. In the laboratory, experiments illustrating the synthesis and chemical properties of such substances are carried out. Prerequisite: *Chemistry 14* or *22*. Limited to forty students. Semester courses.

Offered annually.

28. PREMEDICAL PHYSICAL CHEMISTRY—*Three class periods a week.* Mr. Jones.

A lecture and conference course dealing particularly with those phases of physical chemistry which find application in physiology, physiological chemistry, and other medical school subjects. Among the topics emphasized are: gases and solutions, hydrogen ion concentration and pH and their measurement, reaction velocity and catalysis, enzyme action, adsorption, and colloids. Prerequisite: *Chemistry 23*. Semester course.

Offered annually.

- 31, 32. PHYSICAL CHEMISTRY—*Four hours. Three class periods and one laboratory period a week.* Mr. Cadbury.

A study of the general properties of matter, using both the kinetic and thermodynamic methods, colligative and electrolytic properties of solutions, reaction velocity and catalysis, adsorption, colloids, and the phase rule. The laboratory work involves illustrative physico-chemical measurements. Prerequisite: *Chemistry 23*, *Mathematics 21-22*, and *Physics 13-14*; Junior standing. Semester courses.

Offered annually.

62. ADVANCED INORGANIC CHEMISTRY—*Three class periods a week.* Mr. Jones.

Lectures and conferences dealing with advanced phases of inorganic chemistry, such as modern concepts of valence, Werner's complexes, intermetallic compounds, metal hydrides, isotopes and their application in research. Prerequisite: *Chemistry 23*, *26*, and *Physics 13-14*; Senior standing or consent of the instructor. Semester course.

Offered annually.

63. ADVANCED ORGANIC CHEMISTRY—*Four hours. Two class periods and two laboratory periods a week.* Mr. Benfey.

A study of stereochemistry, carbohydrates, amino acids and proteins, essential oils, and alkaloids and of the principles involved in qualitative organic analysis. The laboratory work involves the identification of organic substances by classification reactions and by the preparation of derivatives. Prerequisite: *Chemistry 26*; Senior standing or consent of the instructor. Limited to thirty-two students. Semester course.

Offered annually.

64. ORGANIC SYNTHESSES—*Four hours. Two class periods and two laboratory periods a week.* Mr. Benfey.

A study of organo-metallic compounds, rearrangements, unsaturated systems, and special preparative reactions of organic chemistry with emphasis upon general reaction mechanisms. Special syntheses constitute the laboratory work. Prerequisite: *Chemistry 63*; Senior standing or consent of the instructor. Semester course.

Offered annually.

65. QUANTITATIVE ANALYTICAL METHODS—*Three hours. One class period and two laboratory periods a week.* Mr. Jones.

Lectures and laboratory work dealing with micro, semimicro, instrumental and other special methods of quantitative analysis. Prerequisite: *Chemistry 23 and 26*; Senior standing or consent of the instructor. Semester course.

Offered annually.

81 and 82. CHEMICAL RESEARCH—*Three conferences a week.* Mr. Meldrum and Staff.

Open only to Senior Chemistry Majors and to Graduate students in chemistry. May be elected as one or more courses. Prerequisite: *Chemistry 26, and 28 or 32.* May be taken in either semester; may be repeated for credit with change of content. Semester course.

Offered annually.

84. SPECIAL TOPICS IN THEORETICAL CHEMISTRY—*Three conferences a week.* Mr. Meldrum.

Open only to Seniors and to Graduate students in Chemistry. Semester course.

Offered annually.

Economics

THE WORK in Economics is intended primarily to give students an understanding of the working of modern economic society, to give practice in the interpretation of economic data, to arouse an informed interest in public affairs, and to give the basis for the formation of intelligent judgments in the field of economic policy. The elementary course is designed to give the basic understanding of economic processes and of economic organization that should be part of a liberal education in the modern age. The advanced courses also are given as part of a program of liberal education, but at the same time are designed to meet the needs of men going into business or finance, or going on to graduate work in economics or business administration. Several of the advanced courses should be of special value to men planning to enter the foreign service or other fields of government work, or going into journalism or law. In the advanced courses emphasis is placed on the use of source materials and on research methods in economics; and students are given practice in the preparation of analyses and reports.

Economics is part of the larger field of the Social Sciences and has close relations with many aspects of the Natural Sciences. Men majoring in Economics are required to take supporting courses from Political Science, History, and Sociology; and are encouraged to take work in the Natural Sciences and the elementary course in Statistics offered by the Department of Mathematics.

Major Requirements

Economics 21-22, 31, 37, 61, 100, and three other half-year courses in Economics. Mathematics 23 (Introduction to Statistics) may be considered as one such half-year course. Economics 100 consists of selected readings on the history of economic thought and on current economic problems.

Social Science 11-12 or Sociology 21-22 and two other half-year courses in supporting fields, as approved by the professors concerned.

A comprehensive examination which normally includes a written examination, an oral examination, and the preparation of a research memorandum.

21-22. ELEMENTARY ECONOMICS—*Three periods a week.* Mr. Teaf and Mr. Hunter.

The purpose of this course is to acquaint the student with the main features of modern economic life, and to develop an understanding of the principles underlying economic relationships. Emphasis is laid on the application of these principles to present-day problems. Prerequisite: *Social Science 11-12.* Year course.

Offered annually.

31. MONEY AND BANKING—*Three periods a week.* Mr. Street.

A study of the history and principles of money, credit, and banking, with particular reference to American conditions. Problems concerning monetary standards, commercial and central banking policy, operation of the Federal Reserve System, price movements and their effects, and monetary aspects of the business cycle are considered. Prerequisite: *Economics 21-22.* Semester course.

Offered annually.

34. SOCIAL SECURITY—Mr. Somers.

(See *Political Science 34.*)

35. PUBLIC FINANCE—Mr. Herndon.

(See *Political Science 35.*)

36. LABOR ECONOMICS AND LABOR RELATIONS—*Three periods a week.* Mr. Teaf.

(Also called *Sociology 36.*)

A study of the fundamentals of the employer-employee relationship, such as wages, hours, security; the functioning of labor organizations and government; the purposes and methods of collective bargaining. Special emphasis is placed on methods of resolving industrial conflict. Prerequisite: *Economics 21-22.* Semester course.

Offered annually.

37. ACCOUNTING—*Three periods a week.* Mr. Teaf.

The balance sheet and statement of profit and loss; the classification of accounts; the theory of debit and credit; the books of original entry and of record; opening and closing the books; corporation accounts, reserves, etc. Discussion is accompanied by practice problems. Emphasis is placed upon the bearing of accounting theory and practice upon economic theory and current economic problems. This course is intended to provide an understanding of accounting sufficient for students going into the professions as well as a foundation for advanced accounting courses for those who will go into business. Prerequisite: *Economics 21-22.* Semester course.

Offered annually.

38. **THE CORPORATION**—*Three periods a week.* Mr. Hunter.
Economic functions and legal responsibilities of the corporation and its members; types of securities; general financial policy; the distribution of securities; expansion, combination, and reorganization. Social and political problems created by the growth of corporations are given special attention. Prerequisite: *Economics 37.* Semester course.
Offered annually.
39. **GOVERNMENT AND BUSINESS**—*Three periods a week.* Mr. Hunter.
(Also called *Political Science 39.*)
A study of the economic basis, the historical development, and the present problems of the regulation of business organization and policies by government. Special attention is given to such topics as the trust movement, anti-trust legislation, the Federal Trade Commission, competitive practices, cartels and trade associations. Prerequisite: *Economics 21-22.* Semester course.
Offered annually.
40. **THE SOVIET ECONOMY**—*Three periods a week.* Mr. Hunter.
An analysis of the changing structure of the economy of the U.S.S.R., after brief treatment of the pre-Revolutionary economy. Topics to be examined: the process of industrialization; the political, social, and economic revolution in agriculture; eastward expansion of the economy; political, social, and economic problems of a planned economy. Prerequisite: *Economics 21-22.* Semester course.
Offered in 1949-50.
- 53-54. **INTERNATIONAL RELATIONS: ECONOMIC AND POLITICAL**—*Three periods a week.* Mr. Street and Mr. Haviland.
(Also called *Political Science 53-54.*)
An analysis of the interaction of economic and political forces in world relations. An examination of significant theories and historical development will be followed by a study of modern critical issues. Prerequisite: *Economics 21-22* or *Political Science 23* (or, after 1949-50, *Political Science 21* and *22*). Not open to students who took *Economics 32* for credit in 1948-49. Year course.
Offered annually.
61. **NATIONAL INCOME AND INVESTMENT**—*Three hours a week.* Mr. Hunter.
A study of the meaning of national income and the methods of measuring it; its distribution in the United States; the economic effects of the allocation of national income as between consumption, investment, and hoarding; the significance of investment in the modern economy; the effects of governmental policy on the level of national income. Intended primarily for Economics Majors, but open also to qualified students from other departments. Prerequisite: *Economics 31*; Senior standing. Seminar. Semester course.
Offered annually.
62. **SEMINAR IN ECONOMIC PROBLEMS**—*Three hours a week.* Mr. Teaf.
This seminar will deal with an economic problem of current importance, with emphasis on the relation between economic analysis and the formulation of public policy.
The subject of the course may shift from year to year, or the same topic may be continued for several years, depending on developments in world economic affairs. In case of a shift in the subject matter of the course, it may be repeated for credit. Prerequisite: *Economics 21-22.* Semester course.
Offered annually.

81, 82. SEMINAR—*Three hours a week.* Mr. Teaf.

Readings, reports, and conferences on selected topics, to meet the individual needs of Graduate students. Open to Graduate students and Economics Majors only. Semester courses.

Offered annually, if required.

Engineering

THE OBJECTIVE of the Engineering Department of Haverford College is to prepare students in the fundamentals of engineering by giving them training in the sciences and engineering, together with a broad liberal arts background under the influence of the philosophical and religious atmosphere available to all Haverford students.

Students not intending to enter the highly specialized fields of design and research will find the Haverford course ample for their needs. Graduates of Haverford who have majored in engineering are admitted to the student-engineers' courses of the leading industrial companies on equal terms with graduates of the larger engineering colleges. Those who desire more specialized training before entering the active work of the profession are granted substantial credit toward advanced standing in technical institutions or are admitted to their graduate schools.

Engineering 33 and 34 may be counted as courses in Physics for the purpose of satisfying any curricular requirements.

Major Requirements

Engineering 11, 12, 21, 22, 31, 32, 33, 34, Engineering Seminar (a two-year, non-credit requirement), Comprehensive Examination (Course 100), Mathematics 21-22, Physics 13-14, and two half-year courses in Chemistry.

Courses in Mathematics, Physics and Chemistry will be considered preliminary courses as defined on page 36.

11. PRINCIPLES OF ENGINEERING DRAWING AND SHOP METHODS—

Three laboratory periods a week. Mr. Hetzel and Mr. Wilson.

Lettering, projection, perspective, sketching, conventions, detail and assembly drawings. Exercises in machine-tool work. Inspection trips. Text: Luzadder, *Engineering Drawing and Problems in Engineering Drawing*. Semester course.

Offered annually.

12. ENGINEERING DRAWING, SURVEYING, AND SHOP METHODS—

Three laboratory periods a week. Mr. Hetzel, Mr. Holmes, and Mr. Wilson.

Additional work on detail and assembly drawings. Exercises in machine-tool work. Two periods per week for the last eight weeks in the Spring are spent on Plane Surveying. Lectures by outside specialists in the various branches of engineering will be arranged for orientation purposes. Inspection trips. Prerequisite: *Engineering 11*. Semester course.

Offered annually.

21. KINEMATICS OF MACHINES—*One class period and two laboratory periods a week.* Mr. Hetzel.

Velocity and acceleration analysis of mechanisms; cams, belts, chains, gears, etc. Inspection trips. Text: Keown and Faires, *Mechanism*, and Holland Azpell, *Mechanism Problems*. Prerequisite: *Engineering 11* or consent of the instructor. Semester course.

Offered annually.

22. ANALYTICAL MECHANICS—*Three class periods a week.* Mr. Holmes.

A study of forces and moments of forces; determination of forces in trusses and cranes; centroids and center of gravity; rectilinear and curvilinear motion; translation and rotation of bodies; work, power, and energy; impulse and momentum; balancing and moments of inertia. Text: Seely and Ensign, *Analytical Mechanics for Engineers*. Prerequisite or parallel course: *Mathematics 21-22*. Semester course.

Offered annually.

31. THERMODYNAMICS—*Three class periods a week and occasional laboratory periods.* Mr. Holmes.

Energy, gas laws, vapors; mixtures of gases and vapors; theoretical and actual thermodynamic cycles for power and refrigeration. Text: Doolittle and Zerban, *Engineering Thermodynamics*. Not open to Freshmen and Sophomores. Prerequisite: *Physics 13-14*. Semester course.

Offered annually.

32. MECHANICS OF MATERIALS—*Two class periods and one laboratory period a week.* Mr. Holmes.

A study of stress and strain, beams and columns, shafting, girders, combined stresses, etc. Inspection trips. Text: Laurson and Cox, *Mechanics of Materials*. Prerequisite: *Mathematics 21-22* and *Engineering 22*. Semester course.

Offered annually.

33. ELEMENTS OF ELECTRICAL ENGINEERING—*Four hours. Three class periods and one laboratory period a week.* Mr. Benham and Mr. Wilson.

Direct current circuits and machinery. The course includes electromagnetism, induced electromotive force, electric and magnetic fields, direct current motors and generators, commutation, armature reaction, parallel operation of generators, and the systems for distributing direct current. Prerequisite: *Physics 13-14*, *Mathematics 21-22*. Given jointly with *Physics 33*. Semester course.

Offered annually.

34. ELEMENTS OF ELECTRICAL ENGINEERING—*Four hours. Three class periods and one laboratory period a week.* Mr. Benham and Mr. Wilson.

Alternating current circuits and machinery. Single phase and polyphase circuits, transformers, induction motors, generators, synchronous motors, single phase motors; transmission and distribution of alternating current; illumination. Prerequisite: *Engineering 33*. Semester course.

Offered annually.

- 81, 82. SPECIAL PROJECTS.

Required of candidates for High and Highest Honors in Engineering but open to all students with the necessary prerequisites. Students in Engineering are encouraged to do individual work in some special field of investigation.

The following fields of study are suggested:

FLUID MECHANICS. Mr. Holmes.

Prerequisite: *Mathematics 21-22* and *Physics 13-14*.

HEAT ENGINEERING. Mr. Holmes.

Prerequisite: *Physics 13-14.*

INTERNAL COMBUSTION ENGINES. Mr. Hetzel.

Prerequisite: *Physics 13-14.*

Offered annually.

English Language and Literature

THE DEPARTMENT believes it essential to insure that all undergraduates should be able to use the English language efficiently. Freshmen, therefore, are required to prove their ability in this respect.

It believes, further, that the departmental curriculum must provide a general cultural background for those students whose interests are chiefly in the sciences or social sciences. It offers, therefore, intermediate courses in English and American literature and in composition.

It believes, finally, that courses must be provided for students who intend to specialize in English, and perhaps do graduate work in literature or related fields. It offers, therefore, advanced courses designed both in content and method to supplement the elementary and intermediate courses and to prepare for graduate work.

The Department recognizes that these purposes cannot be rigidly differentiated, and it has no intention that they should be. Considerable freedom of selection is possible for the individual student after appropriate consultation.

Individual projects under Faculty supervision occupy about one-third of the study time in most of the English courses, and the entire study time in English 37 and English 61.

The attention of slow readers is called to the remedial work in reading offered by the Department of Psychology.

Major Requirements

For each student an individual program equivalent to six two-semester courses, planned to suit his special interests but always stressing Elizabethan literature and nineteenth-century poetry and prose. The courses will in a few cases be entirely in the field of English, but more often they will include work in related fields. Students who contemplate graduate study for the degree of Ph.D. in English must necessarily include Latin, French, and German. English courses always required are: 23, 31, 32, 34, 61, 62, and 63.

The comprehensive examination (never more than nine hours) is flexible enough to fit each of the several programs.

A student who wishes to work for Final Honors in English should apply to the Chairman of the Department during the first semester of his Junior year.

11. COMPOSITION, METHODS, AND PUBLIC SPEAKING—*Four periods a week.* Mr. Lester, Mr. Warren, Mr. Snyder, and Mr. Wrenn.

Written composition, public speaking, methods and techniques of college work. Semester course.

Offered each semester.

12. TYPES OF LITERATURE—*Three periods a week.* Mr. Snyder, Mr. Sargent, and Mr. Ashmead.
Introduction to the study and appreciation of literature through reading and analysis of significant works of drama, poetry, fiction, and expository prose. Book reviews are required, and composition is stressed, though not so heavily as in English 11. Semester course.
Offered each semester.
22. THE ENGLISH BIBLE—Mr. Flight.
(See *Biblical Literature* 22.)
23. SHAKESPEARE—*Three Periods a week.* Mr. Sargent.
Reading and study of twelve plays, with emphasis on features of general and popular interest. Prerequisite: *English 12*; Sophomore standing. Semester course.
Offered annually.
24. CONTEMPORARY DRAMA—*Three periods a week.* Mr. Snyder.
A study of the techniques and practice of the modern drama, as illustrated in the works of Ibsen and the best modern dramatists of England and America. Not open to Freshmen. Semester course.
Offered annually.
25. AMERICAN LITERATURE TO THE CIVIL WAR—*Three periods a week.* Mr. Snyder and Mr. Warren.
Prerequisite: *English 12*; Sophomore standing. Semester course.
Offered in 1949-50 and alternate years.
26. INTERMEDIATE COMPOSITION AND ORAL DISCUSSION—*Three periods a week.* Instructor to be announced.
Practice in expository writing and in the techniques of public discussion. Prerequisite: *English 11*. Limited to twelve students. Semester course.
Offered annually.
27. AMERICAN LITERATURE 1860-1900—*Three periods a week.* Mr. Snyder.
Prerequisite: *English 12*; Sophomore standing. Semester course.
To be offered in 1950-51 and alternate years.
29. GREEK LITERATURE IN ENGLISH—Mr. Post.
(See *Greek* 29.)
31. NINETEENTH-CENTURY POETRY—*Three periods a week.* Mr. Snyder.
A study of six poets: Coleridge, Wordsworth, Shelley, Byron, Keats, and Tennyson. Lectures and classroom discussions. Prerequisite: *English 12*; Junior standing. Semester course.
Offered annually.
32. NINETEENTH-CENTURY PROSE—*Three periods a week.* Mr. Lester.
Lectures, discussions, and reading. Prerequisite: Junior standing. Semester course.
Offered annually.
34. ELIZABETHAN LITERATURE—*Three periods a week.* Mr. Sargent.
Chief writers of the English Renaissance, omitting Shakespeare. Prerequisite: *English 23*. Semester course.
Offered annually.

35. EIGHTEENTH-CENTURY LITERATURE—*Three periods a week.* Mr. Ashmead.
 Novel and Drama. Prerequisite: *English 12*; Junior standing. Semester course. Offered annually.
36. EIGHTEENTH-CENTURY LITERATURE—*Three periods a week.* Mr. Ashmead.
 Dr. Johnson and his Club (*Boswell's Life of Johnson*); the chief poets: Pope, Gray, and Burns; *Ossian*. Prerequisite: *English 35*; Junior standing. Semester course. Offered annually.
37. CREATIVE WRITING—*Three periods a week.* Mr. Sargent and Mr. Ashmead.
 Practice in writing imaginative literature. Chiefly confined to prose fiction. Regular assignments, class discussion, and personal conferences. Prerequisite: *English 11* or *26*; Junior standing. Semester course. Offered annually.
39. CHAUCER—*Three periods a week.*
 A brief account of Middle English. The main emphasis is upon the literary qualities of *Troilus and Criseyde* and *The Canterbury Tales*. Prerequisite: *English 12*; Junior standing. Semester course. Not offered in 1949-50; to be offered in 1950-51.
40. BRITISH AND AMERICAN LITERATURE OF THE TWENTIETH CENTURY—*Three periods a week.* Mr. Sargent.
 Fiction and verse by selected writers from Conrad and Crane to Auden and Hemingway. Prerequisite: Two semester courses in English beyond the Freshman year. Semester course. Offered annually.
61. SPECIAL TOPICS IN NINETEENTH-CENTURY LITERATURE—*Three hours a week.* Mr. Lester.
 Studies in the development of nineteenth-century thought as expressed in English Literature. Seminar reports and discussions; each student submits three critical essays. Required of all English Majors. Prerequisite: *English 32* and consent of the instructor. Seminar. Semester course. Offered annually.
62. SPECIAL TOPICS IN POETRY—*Three hours a week.* Mr. Snyder.
 Browning's Poems. Also treatises on poetic theory from Aristotle to Whitman. Prerequisite: *English 31* and consent of the instructor. Required of all English Majors. Seminar. Semester course. Offered annually.
63. METHODS OF LITERARY SCHOLARSHIP—*Three hours a week.* Mr. Sargent.
 An introduction to the aims, problems, and methods of research in English literature by means of an advanced study of Shakespeare. Biweekly reports and one piece of original investigation. Required of all English Majors. Prerequisite: *English 23* and *34* and consent of the instructor. Seminar. Semester course. Offered annually.

The following courses are given at Bryn Mawr College.

- 210a. PLAYWRITING AND PRODUCTION—*Three hours a week.* Mr. Thon.
 Writing of two original one-act plays. Production of selected scripts and training in theatre arts. Not open to Freshmen. Semester course. Offered annually.

210b. ADVANCED PLAYWRITING AND PRODUCTION—*Three hours a week.* Mr. Thon.

Writing of a full-length play and preparation of its production book. Prerequisite: *English 210a* and consent of the instructor. Not open to Freshmen. Semester course.

Offered annually.

General Courses

BIOLOGICAL SCIENCE 11. GENERAL PRINCIPLES OF BIOLOGICAL SCIENCE—*Four hours. Three class periods and one laboratory period a week.* Mr. Dunn and Mr. Henry.

The object of this course is to impart to the student some knowledge and appreciation of the generalizations which have resulted from the study of living organisms. An outline of these generalizations and of their historical origin will be given in the lectures of the course. The discussion group periods will be utilized for clarification and testing. In the laboratory period opportunity will be afforded to utilize those methods of study, and to verify those generalizations which can be brought into the confines of a college laboratory. Limited to ninety-six students. Semester course.

Offered annually.

HUMANITIES 21-22. INTERPRETATION OF LIFE IN WESTERN LITERATURE—*Three periods a week.* Mr. Gutwirth and Mr. Wolf.

Study in their entirety of selected literary works which are great imaginative presentations of attitudes toward life. Prerequisite: *English 12*; Sophomore standing. Year course.

Offered annually.

HUMANITIES 31-32. CULTURE OF THE FAR EAST—*Three hours a week.* Mr. Post.

This course is designed to introduce students to the life and literature of the Far East, through the use of translations, and to develop their mastery of a major field and of expository writing. G. Nye Steiger, *A History of the Far East*, is recommended for supplementary reading. Essays, weekly or biweekly, for discussion at individual meetings with the instructor. It may be taken as one or two half-courses in either half-year by a limited number of students who will be admitted only after a personal interview and only if there is still room for them when they apply to the instructor. Prerequisite: Junior standing. Limited to six students. Seminar. Semester course.

Offered annually.

PHYSICAL SCIENCE 11, 12. GENERAL PHYSICAL SCIENCE—*Four hours. Three class periods and one laboratory or discussion period a week.* Mr. Cadbury and Mr. Green.

This course is concerned with the nature of the scientific method and its presuppositions, the status of present-day physical science, and the relationship of science to the rest of our culture. It tries to illuminate these subjects by a study of some aspects of the development of our knowledge of mechanics, the properties of matter, electricity and light, and the structure of atoms. Semester courses.

Offered annually.

SOCIAL SCIENCE 11-12. GENERAL COURSE IN SOCIAL SCIENCE—*Three periods a week.* Mr. Street, Mr. Reid, and Mr. Haviland.

The purpose of this course is to assist the student to acquire insight into human

relationships and institutions, and to give him a sound basis for judgment in social problems. Year course.

Offered annually.

Geography and Geology

32. CONSERVATION OF NATURAL RESOURCES—*Three periods a week.*

Mr. White.

Analysis of the basic principles of conservation of land, water, and mineral resources as they relate to social policy. Field study in selected areas. Prerequisite: *Economics 22* or *Sociology 33*, Semester course.

Offered in 1949-50 and alternate years.

German

THE MAIN OBJECTIVE of German study is the acquisition of the language as a means of access to the civilization of which it is the medium. The courses are planned and conducted with the aim of enabling the individual student to fulfill most effectively his prospective needs. Hence provision is made for acquiring a practical speaking knowledge of the language as well as the ability to read it for postgraduate research, for which in many fields it is indispensable, and for an appreciation of German literature.

German 11-12, 13-14, 15-16 and 23 are primarily language courses. The remaining courses are devoted largely to the history of German literature from the earliest times to the present, and to the intensive study of special periods and eminent authors.

The collateral reading required in German 13-14 and German 15-16 is in literary or scientific works, as the student chooses.

Opportunity is given to students who complete German 11-12 or German 13-14 with distinction to advance rapidly into higher courses by passing a special examination on a prescribed program of collateral reading. A plan is in effect by which students may obtain credit on the reading course either for German 13-14 or for German 15-16.

Major Requirements

German 15-16, and 21-22, 23, 31, 32, 35, 36, and 100.

Supporting courses to be arranged in conference with the Major Supervisor.

A comprehensive examination covering: 1. The German language; 2. History of the German language; 3. German literature; 4. German history, 1517-1914; and 5. A special period, literary movement, or author.

11-12. ELEMENTARY GERMAN—*Three periods a week.* Mr. Kelly, Mr. Pfund, and Mr. Steer.

Grammar, conversation, and the reading of simple texts. Year course.

Offered annually.

- 13-14. INTERMEDIATE GERMAN—*Three periods a week.* Mr. Kelly, Mr. Pfund, and Mr. Steer.

Texts of moderate difficulty are read both in class and as outside work. Composition and conversation. Prerequisite: *German 11-12* or the equivalent. Year course.

Offered annually.

- 15-16. ADVANCED GERMAN—*Three periods a week.* Mr. Pfund.

Reading of standard works of German literature. Composition and conversation. Prerequisite: *German 13-14* or the equivalent. Year course.

Offered annually.

- 21-22. LESSING, GOETHE, SCHILLER—*Three hours a week.* Mr. Kelly.

Prerequisite: *German 15-16* or the equivalent. Seminar. Year course.

Not offered in 1949-50; to be offered in 1950-51.

23. ADVANCED COMPOSITION AND CONVERSATION—*Three periods a week.* Mr. Pfund.

Readings in modern German literature, including works of contemporary writers, make up the subject matter of this course. Its objective is, accordingly, literary as well as linguistic. Prerequisite: *German 15-16* or the equivalent. Semester course.

Offered annually.

31. GERMAN ROMANTICISM—*Three hours a week.* Mr. Kelly.

A study of the Romantic movement in Germany and its relations to English and French Romanticism. Prerequisite: *German 15-16* or the equivalent. Seminar in part. Semester course.

Offered in 1949-50 and alternate years.

32. THE GERMAN DRAMA OF THE NINETEENTH CENTURY—*Three periods a week.* Mr. Kelly.

Prerequisite: *German 15-16* or the equivalent.

Offered in 1949-50 and alternate years.

35. HISTORY OF GERMAN LITERATURE FROM ITS ORIGINS TO THE SEVENTEENTH CENTURY—*Three periods a week.* Mr. Pfund.

Lectures in German, with collateral reading in modern German. Translation, discussion, written and oral reports. Prerequisite: *German 15-16* or the equivalent. Semester course.

To be offered in 1950-51 and alternate years.

36. HISTORY OF GERMAN LITERATURE FROM THE SEVENTEENTH CENTURY TO THE PRESENT—*Three periods a week.* Mr. Pfund.

A survey course with lectures in German. Collateral reading, discussions, written and oral reports. Prerequisite: *German 15-16* or the equivalent. Semester course.

To be offered in 1950-51 and alternate years.

- 37 or 38. SEMINAR COURSES—*Three hours a week.*

Prerequisite: At least one course beyond *German 15-16*. Semester course.

FAUST—Mr. Pfund.

An intensive study of Goethe's *Faust* in the original. Consideration is given to kindred works in European literature.

Not offered in 1949-50.

RICHARD WAGNER—Mr. Kelly.

A study of Wagner's music dramas and theoretical writings, with special reference to their place in the history of ideas.

Offered in first semester 1949-50.

GERMAN LYRIC POETRY—Mr. Pfund.

Offered in second semester 1949-50.

81 or 82. *Three periods a week.* Mr. Kelly and Mr. Pfund.

Individual work in various fields of German culture. Prerequisite: Satisfactory completion of at least one course in the department beyond *German 15-16*. May be repeated for credit with change of content. Semester courses.

Offered annually.

Greek

THE WORK in Greek can be modified to suit the needs of individual students. The elementary course provides some insight into the culture of the ancient Greeks, and into linguistic problems generally, besides leading to a knowledge of Greek adequate for the reading of the Gospels and of easy classical authors. More advanced courses are intended for students with an interest in history, philosophy, or literature; the authors read are studied for their value in these fields. Students are encouraged, to the extent of their capacity, to develop an imaginative understanding of art, philosophy, and science as forces in human life. The special contribution of the Greeks in these fields will be assessed and its significance in European history and in current education will be noted. A knowledge of Greek is a great asset in many fields of graduate study.

Major Requirements

Greek 31, 32, and four half-year courses selected in consultation with the Major Supervisor; Greek 100.

Three additional courses to be arranged in conference with the Major Supervisor.

If Greek 21, 22 is not taken in college, an additional half-course will be required.

A comprehensive examination on Greek language and literature, Greek history, and Greek civilization.

11-12. ELEMENTARY GREEK—*Three periods a week.* Mr. Post.

Thorough study of the elements of the language followed by the reading of simple Attic prose. This course should be taken in the Freshman year, if possible. Year course.

Offered annually.

21, 22. INTERMEDIATE GREEK—*Three periods a week.* Mr. Post.

A rapid reading course in such authors as Homer, Herodotus, and Euripides. Students may receive credit for 21 without taking 22. Prerequisite: *Greek 11-12* or the equivalent. Semester courses.

Offered annually.

29. GREEK LITERATURE IN ENGLISH—*Three periods a week.* Mr. Post.
(Also called *English 29.*)

Lectures on Greek literature. Reading of Greek poetry, drama, and literary criticism in translation. Essays and discussions. No knowledge of Greek is required in this course, but a general acquaintance with English literature is essential. Prerequisite: Sophomore standing. Semester course.

Offered annually.

- 31, 32. ADVANCED GREEK—*Three periods a week.* Mr. Post.

Selections from Plato, Menander, Aristophanes, and the tragedians are read. Prerequisite: *Greek 21, 22.* Semester courses.

Offered annually.

- 61, 62. ADVANCED GREEK—*Three periods a week.* Mr. Post.

The instructor will arrange with students electing this course a systematic study of special subjects in Greek philosophy, history, literature, or composition in connection with the reading of Greek authors. May be repeated for credit with change of content. Prerequisite: *Greek 31, 32.* Semester courses.

Offered annually.

History

THE COURSES IN HISTORY are designed to give some conception of the development of the civilizations which exist in Europe and in the United States today. Since history is the story of what men have done, it is related to every other field in the curriculum, but the limitation of time forces a selection of those aspects of human activity which can be treated in any course. In all courses except History 33-34 an attempt is made to give a reasonably rounded view of those developments which are deemed most important in the period under consideration as a background for understanding other subjects in the fields of the humanities and the social sciences. With a variation of emphasis in each course, caused in part by the nature of the growth of civilization in the period and in part by the amount and the kind of historical evidence which has survived from the period, attention is given to such phases of development as the political, constitutional, social, economic, religious, and intellectual. History 11-12 is intended to be an introductory course by the nature of the subject, which is closely related both to European and to American history, and by the practice given in organizing historical material and weighing its value. It is not, however, a prerequisite for the election of any other course in the Department.

The study of history provides a background against which many current problems of internal and external policies may be viewed to advantage. It also helps to develop critical standards for the evaluation of evidence which can often be applied in forming an opinion with regard

to the solution of such problems. Finally, it is useful as a foundation for professional studies not only in history but also in such subjects as public administration, journalism, and law.

Major Requirements

Four full-year courses (or three full-year courses and two half-year courses) in History, other than History 11-12; History 100.

Two full-year courses or their equivalent in related departments.

Four written examinations of three hours each.

11-12. ENGLISH HISTORY—*Three periods a week.* Mr. Lunt.

A survey of political, constitutional, economic, and social history, intended as an introductory course. Open to Freshmen and Sophomores. Year course.

Offered annually.

21-22. FOUNDATIONS OF THE UNITED STATES, 1492-1865—*Three periods a week.* Mr. Drake.

Lectures, reading, and discussion in American colonial and early national history. Not open to Freshmen. Year course.

Offered annually.

23-24. MEDIEVAL HISTORY—*Three periods a week.* Mr. Lunt.

A survey of the history of Europe from the time of the barbarian invasions to about 1500. Elective for Sophomores who have had *History 11-12*, and for Juniors and Seniors without prerequisite. Year course.

Offered in 1949-50 and alternate years.

25-26. MODERN EUROPEAN HISTORY—*Three periods a week.* Mr. Lunt.

A survey of the history of Europe from about 1500. Elective for Sophomores who have had *History 11-12*, and for Juniors and Seniors without prerequisite. Year course.

To be offered in 1950-51 and alternate years.

27. GREEK HISTORY—*Three periods a week.* Mr. Comfort.

A survey of Greek history, with frequent reports on the art, archaeology, and political institutions of Greece. A knowledge of Greek is not required. Not open to Freshmen. Semester course.

To be offered in 1950-51 and alternate years.

28. SURVEY OF ROMAN PROBLEMS—*Three periods a week.* Mr. Comfort.
(See *Latin 28.*)

30. ANCIENT HISTORY OF THE NEAR EAST—*Three periods a week.* Mr. Flight.

(See *Biblical Literature 30.*)

31-32. NATIONAL DEVELOPMENT OF THE UNITED STATES, 1865 TO THE PRESENT—*Three periods a week.* Mr. Drake.

A study of institutional growth, with the larger social and political issues of the present considered in their historical setting. A lecture, reading, and discussion course, intended primarily for Juniors and Seniors. Year course.

Offered annually.

33-34. ENGLISH CONSTITUTIONAL HISTORY—*Three periods a week.* Mr. Lunt.

A study of the formation and growth of English institutions, designed to be useful particularly to those who are interested in government and law. Open to Juniors and Seniors. Year course.

To be offered in 1950-51 and alternate years.

History of Art

UNDER the co-operative arrangement between the Colleges, Haverford students who wish to take advanced courses in History of Art may do so at Bryn Mawr College. The introductory course is given at Haverford.

Major Requirements

Students majoring in History of Art are required to take four full courses (or the equivalent): the first year course, one of the second year courses, and two other courses, one of which shall be considered as an advanced course.

Allied subjects: English, French, German, History, Music, Philosophy.

The final examination for students majoring in History of Art consists of three parts of three hours each:

1. An examination conducted with slides and/or photographs testing the student's ability to identify important monuments and to analyze stylistic and iconographic elements within the field of major concentration.
2. A written examination on fundamental problems of style, evolution and cultural relationships in art. This examination will be based primarily on the first year introductory course.
3. A detailed examination on one of the following fields chosen from the broader field of major concentration:
 - a. Early Medieval Art
 - b. Gothic Art
 - c. Art of the Northern Renaissance
 - d. Italian Art after 1300
 - e. Art of the Seventeenth and Eighteenth Centuries
 - f. Modern Art (after 1800)

21-22. INTRODUCTION TO THE HISTORY OF ART (Given at Haverford College)—*Three periods a week.* Mr. Bernheimer.

This course deals with the history of Western art from its beginning in ancient Greece to modern times, with emphasis upon the Christian periods. It is conceived as a history of human values in terms of the visual forms in which they have been cast. The course parallels *Humanities 21-22*. In order to bring out the human significance of art, religious and philosophical ideas are discussed as they influenced the form and subject matter of art.

An introductory section deals with aesthetic principles and their application in the fields of painting, sculpture, and architecture. The purpose of the course is threefold: to widen the student's comprehension of past attitudes and beliefs so that he will be better able to understand his own; to enlarge his range of aesthetic appreciation; and to give him the technical knowledge required for further studies in the history of art. Not open to Freshmen. Year course.

Offered annually.

The following courses are given at Bryn Mawr College:

201. ITALIAN ART—*Three periods a week.* Mr. Sloane and Mr. Bernheimer.
The arts of Italy from the thirteenth century to the end of the fifteenth century are discussed in the first semester. The second semester covers the later phases of Italian art with some consideration of its influence on the baroque in Spain and Germany.
Offered annually.
- 203a. NORTHERN RENAISSANCE ART—*Three periods a week.* Mr. Soper
From the beginning of the fifteenth century through Breughel.
Offered 1949-50.
- 204b. NORTHERN BAROQUE ART—*Three periods a week.* Mr. Sloane.
From the late sixteenth century to the classic revival in the eighteenth century.
Offered 1949-50.
301. ART OF THE FAR EAST—*Three periods a week.* Mr. Soper.
Chinese and Japanese art from the earliest dynasties to the present, including a survey of Indian art as an introduction to Buddhism in the Far East.
Offered annually.
302. MODERN ART—*Three periods a week.* Mr. Sloane and Mr. Soper.
In the first semester the pictorial arts are traced from David to the present day; in the second semester, the development of architecture and sculpture in the same period.
Offered annually.

Latin

THE LATIN DEPARTMENT offers instruction in the language, literature and civilization of the Roman people. Knowledge of the Latin language is fundamental to an understanding and proper use of the English and Romance languages; familiarity with the Latin classics is an indispensable background for the Western European literary tradition; and the history and civilization of Rome provide an explanation of, and parallels to, many pressing contemporary political, economic, social, and religious problems.

Principal emphasis is laid upon meeting the Roman legacy through the medium of the Latin language; but for those whose knowledge of

Latin is too limited for this purpose, Latin 28 offers an opportunity to examine selected topics.

A minimum of two years of elementary Latin is required for admission to all other Latin courses.

Major Requirements

Four full-year courses, some of which may be taken at Bryn Mawr College; Latin 100. The Latin Department reserves the right to exclude Latin 13-14, in individual cases, from consideration as fulfilling a part of the Major requirements.

Four additional semesters in other departments, to be arranged in conference between the student and the Major Supervisor.

A written comprehensive examination. Candidates for Honors must pass an oral examination also.

13-14. LATIN LITERATURE—*Three periods a week.* Mr. Comfort.

For students offering two or three years of preparatory Latin. Review of grammar and vocabulary; reading in Vergil and other authors. Year course.

Offered annually.

15, 16. LATIN LITERATURE—*Three periods a week.* Mr. Comfort.

For students offering *Latin 13-14* or four years of preparatory Latin. Reading of Roman comedy, and of authors of the Republic and the Augustan Age. Semester courses.

Offered annually.

23, 24. INDIVIDUAL TOPICS IN LATIN LITERATURE—*Three periods a week.* Mr. Comfort.

Systematic study of one or more aspects of Latin literature and Roman life. Prerequisites: at the discretion of the Latin Department. May be repeated for credit with change of content. Offered either semester.

Offered annually.

28. SURVEY OF ROMAN PROBLEMS—*Three periods a week.* Mr. Comfort.

(*Also called History 28*)

An attempt to analyze the Roman attitude toward certain persistently significant literary, philosophical, and political problems. Lectures and collateral reading in translation; no knowledge of the Latin language is required. Prerequisite: Sophomore standing. Semester course.

Offered annually.

Mathematics

THE AIMS of courses in Mathematics are: (1) to promote rigorous thinking by exhibiting a systematic, deductive intellectual discipline; (2) to explain the role which Mathematics has played in the development of the culture of our age; (3) to foster technical competence in Mathematics as an aid to the better comprehension of the physical, biological, and social sciences.

Two first-year courses are offered. Mathematics 11-12, *General Principles of Mathematics*, is designed for the non-specialist who plans to take only one year of mathematics. It does not prepare for Mathematics 21-22, *Calculus*; but a student completing the course may enter Mathe-

matics 23, *Introduction to Statistics*. The content emphasizes mathematical ideas rather than techniques of computation. Mathematics 13-14, *Freshman Mathematics*, is designed for the student whose course of study requires technical competence in mathematics and for those who expect to continue the study of mathematics through the calculus or beyond.

The pre-medical student planning to take only one year of mathematics should register for Mathematics 11-12, provided he has had trigonometry.

The more advanced courses cover work in the fields of analysis, algebra, geometry, and statistics. The student majoring in the department extends his studies into all of these areas; he may prepare for teaching in preparatory school, for graduate study leading to college teaching or industrial research, or for statistical and actuarial work.

The sequence in analysis and algebra, Mathematics 21-22, 31, 32, 33, 34, 63, is especially suited to the needs of the physical sciences, while Mathematics 23 and 38 deal with those concepts of statistics and probability which are fundamental to the biological and social sciences.

Major Requirements

Mathematics 13-14, 21-22, 31, 32, 33, 34, 35, 40, 63, 82, and 100.

Recommended collateral courses are Physics 13-14, 32, 61, 62, or, for prospective actuaries, Economics, 21-22, 37.

Prescribed parallel reading on the history and general principles of mathematics.

Three written comprehensive examinations, each three hours in length. An oral examination will be required for Final Honors.

It is recommended that facility in reading French and German be acquired as early in the college course as possible.

11-12. GENERAL PRINCIPLES OF MATHEMATICS—*Four periods a week.* Mr. Allendoerfer.

The following topics are treated, each in an elementary fashion: logic and the nature of mathematical proof, the number system, measurement, coordinate and non-Euclidean geometry, algebraic and trigonometric functions, limits, probability and statistics. Year course.

Offered annually.

13-14. FRESHMAN MATHEMATICS—*Four periods a week.* Mr. Oakley and Mr. Thomsen.

Functions and graphs; the differential and integral calculus of polynomials; plane trigonometry; analytic geometry in the plane with applications to conics and other curves; introduction to the geometry of three dimensions. Selected topics in college algebra.

For students presenting trigonometry for entrance to college an advanced section is provided in which trigonometry is replaced by advanced solid geometry and additional topics in college algebra. Year course.

Offered annually.

- 21-22. CALCULUS—*Three periods a week.* Mr. Allendoerfer and Mr. Thomsen. Differential and integral calculus, with applications. Prerequisite: *Mathematics 13-14.* Year course.
Offered annually.
23. INTRODUCTION TO STATISTICS—*Three periods a week.* Mr. Oakley. Tabular and graphic methods, frequency distributions, averages, measures of central tendency, dispersion and skewness, correlation, tests of significance. Lectures and computing laboratory. Prerequisite: *Mathematics 11-12 or 13-14.* Semester course.
Offered annually.
31. DIFFERENTIAL EQUATIONS—*Three periods a week.* Mr. Oakley. Methods of solution of the standard types of ordinary differential equations with applications to problems in physical science. Prerequisite: *Mathematics 21-22.* Semester course.
Offered annually.
32. ADVANCED CALCULUS—*Three periods a week.* Mr. Oakley. Advanced topics in calculus, including infinite series, elliptic integrals, partial derivatives, Jacobians, line integrals, and Stokes' Theorem. Prerequisite: *Mathematics 21-22.* Semester course.
Offered annually.
33. THEORY OF EQUATIONS—*Three periods a week.* Mr. Allendoerfer. Advanced topics in the theory of equations; introduction to modern abstract algebra. Prerequisite: *Mathematics 21-22.* Semester course.
To be offered in 1950-51 and alternate years.
34. VECTORS AND MATRICES—*Three periods a week.* Mr. Allendoerfer. The algebra of vectors, vector spaces, and matrices, with applications to mathematical physics. Prerequisite: *Mathematics 21-22, 33.* Semester course.
To be offered in 1950-51 and alternate years.
35. ADVANCED ANALYTIC GEOMETRY—*Three periods a week.* Mr. Allendoerfer. Advanced plane and solid analytic geometry. Homogeneous coordinates. Introduction to the geometry of n -dimensions. Prerequisite: *Mathematics 21-22.* Semester course.
Offered 1949-50 and alternate years.
38. MATHEMATICAL STATISTICS—*Three periods a week.* Mr. Oakley. Theoretical presentation of the mathematical background of elementary statistics and probability. Prerequisite: *Mathematics 21-22, 23.* Semester course.
Offered in 1949-50 and alternate years.
40. DIFFERENTIAL GEOMETRY—*Three periods a week.* Mr. Allendoerfer. The differential geometry of curves and surfaces. Introduction to vector and tensor analysis. Prerequisite: *Mathematics 21-22, 35.* Semester course.
Offered in 1949-50 and alternate years.
- 61, 62. INTRODUCTION TO MATHEMATICAL PHYSICS—Mr. Green.
(See *Physics 61, 62.*)
63. INTRODUCTION TO ANALYSIS—*Three periods a week.* Mr. Thomsen. Rigorous treatment of fundamental ideas in analysis: real and complex numbers, functions, limits, continuity, differentiation, and integration. Applications

to Fourier Series and differential equations. Prerequisite: *Mathematics 31, 32*. Semester course.

Offered annually.

81 or 82. SPECIAL TOPICS—*Three hours a week*. Members of the Department. Seminar course involving wide reading in the literature, and presentation of papers for group discussion. The content varies from year to year to suit the needs of advanced students. The course may be repeated for credit with change of content. Semester courses.

Offered annually.

Music

THE COURSES offered in Music have as their objective (1) the stimulation of the creative energies of the student through musical composition, and (2) the development of understanding of music and of thought concerning music as revealed in scientific and aesthetic treatises. In furthering and strengthening the discipline of music—one of the oldest in our culture—the College has no intention of training musical performers by conservatory methods. The intention is rather to form enlightened workers in the field of music.

The center of the Haverford instruction is therefore in laying the foundations of music for beginners and strengthening these foundations for those who have already been initiated into the art. Those who wish to take their degrees with a major in Music will have further opportunity to work in the larger forms of composition and to get an introduction into musicology.

A very important aspect of the music instruction is the laboratory work leading to public performances of the creative efforts of the students. To this end a series of informal concerts is given in a small auditorium before a limited audience.

Major Requirements

Three full-year courses in Music and three full-year (or six half-year) courses in related fields, such as History of Art, advanced German, Elizabethan literature, Mediaeval history, or other courses in Music. These courses are to be arranged in conference with the professor in charge.

A comprehensive examination in two parts:

(1) The History of Music. Candidates will be expected to show a knowledge of all styles from the mediaeval chants to the romantic era, as well as a special knowledge, including acquaintance with sources, of one particular period, preferably anterior to 1600 A.D.

(2) Musical Composition. Candidates will be expected to submit compositions involving three- and four-part writing for voices (in free counterpoint) and instrumental scoring for an ensemble of the classical type.

- 11, 12. FOUNDATIONS OF MUSIC—*Two class periods and one laboratory period a week.* Mr. Swan.

In the first semester this course takes up the study of melodic writing in two and three parts (counterpoint), preparatory to which comes a thorough practice in the modes. Certain models from the 15th and 16th century are examined. The goal is the production of a three-part motet. In the second semester this free contrapuntal technique is transferred to writing for instruments (string trio and string quartet, or piano) in some of the forms of the 17th century (*ricercar*, *canzona*, *fugue*). Concurrently with composition there are class discussions of methods and styles. Limited to twenty students. Semester courses.

Offered annually.

- 21, 22. ADVANCED MUSICAL COMPOSITION—*One three-hour laboratory period a week.* Mr. Swan.

A continuation of the preceding for students who are able to attempt composition on a larger scale, in such forms as sonata, rondo and variation. Scoring for small orchestra. Limited to five students. Prerequisite: *Music 11, 12* or its equivalent. Semester courses.

Offered annually.

- S-3. SEMINAR—*One evening a week at Swarthmore College.* Mr. Swan.

Intended for students who have completed Music 11, 12, 21 and 22 and want to get an insight into the music of the remoter past (Middle Ages and Renaissance), or into the whole field of modern music. Texts: Reese, *Music in the Middle Ages*. Bessler, *Die Musik des Mittelalters und der Renaissance*. Medtner, *The Muse and the Fashion*. Glebov, *Russian Music*. Semester course.

Offered by arrangement with the Chairman of the Department.

Philosophy

THE COURSES in Philosophy are intended first of all to acquaint students with the major currents of interpretation and reflection upon the recurring problems, such as the nature of man, the nature of the universe, the nature of the processes by which man apprehends and responds to that universe. Since these problems underlie the work of literature and furnish it with many of its most basic themes; since they underlie the presuppositions of political, sociological, and economic thought; since they reappear in the frame in which every thoughtful scientist works and affect not only the use to which his results will be put, but his very method, just as his methods have influenced in turn the formulation of the problems, the study of philosophy is an important tool in connection with work in any of these fields.

In the second place the courses in philosophy are designed to assist in integrating material presented in literature, history, the social and physical sciences, in art, and in religion in order to assist the student in

drawing together what he has learned, and in approaching a more responsible, intentional, and intelligent world view with which to confront life.

The courses are so planned as to require such orientation as would be secured in either Philosophy 11 (which examines in an elementary way the great problems man confronts) or Philosophy 21-22 (which deals with these same problems as it presents the great classical philosophical thinkers chronologically) before proceeding to the more specialized philosophical disciplines such as ethics, aesthetics, logic, political philosophy, philosophy of science, philosophy of religion, and to more specialized studies of certain philosophical thinkers.

Major Requirements

Philosophy 12, 21-22, 63-64 and two other half-year courses in Philosophy. Philosophy 100.

Four half-year courses in related fields to be arranged in conference with the Major Supervisor.

A comprehensive examination in two parts: three hours on the history of philosophy and three hours on one optional field selected from topics in philosophy since 1800, or religious thought.

11. INTRODUCTION TO PHILOSOPHY—*Three periods a week.* Mr. Steerc, Mr. Foss and Mr. Parker.

An understanding of the nature and function of philosophy and of its relations to other fundamental human interests such as science, religion, and art is sought through a consideration of representative philosophical problems. Semester course.

Offered annually in either semester.

12. ETHICS—*Three periods a week.* Mr. Foss.

A study of (1) conflicts of ethical values involved in contemporary life; (2) certain classical ethical devices for resolving those conflicts; (3) the role of the individual and of the group in the realization of ethical values. Case material drawn from contemporary situations and from literature will be widely used. Discussions, lectures, and papers. Prerequisite: One semester-course in Philosophy. Semester course.

Offered annually.

- 21-22. HISTORY OF PHILOSOPHY—*Three periods a week.* Mr. Foss and Mr. Parker.

A study of the development of philosophy with special reference to Plato, Aristotle, Descartes, Locke, Berkeley, Hume, Spinoza, Leibnitz, Kant, and Hegel. First-hand acquaintance with selected writings of these philosophers; reports, lectures, and class discussions. Not open to Freshmen. Year course.

Offered annually.

23. CLASSICS OF RELIGIOUS LITERATURE—*Three periods a week.* Mr. Steere.

A study which will include such books as Augustine, *Confessions*; Bernard of Clairvaux, *On Consideration*; Meister Eckhart, *Sermons*; *Little Flowers* of St. Francis of Assisi; Thomas à Kempis, *Imitation of Christ*; *Theologica German-*

ica; Francis de Sales, *Introduction to the Devout Life*; Pascal, *Thoughts*; John Woolman, *Journal*; Soren Kierkegaard, *Purity of Heart*; Von Hügel *Letters*; George Tyrell, *Autobiography*. Semester course.

Not offered in 1949-50.

24. HISTORY AND PHILOSOPHY OF QUAKERISM—*Three periods a week.*
Mr. W. W. Comfort.

The Quaker Movement is studied in its relation to other intellectual and religious movements of its time, particularly those found in English philosophy. The development of the dominant Quaker conceptions is traced to the present day and critically examined. The course is designed for non-Friends as well as for Friends. Not open to Freshmen. Semester course.

Offered in 1949-50.

25. PHILOSOPHY OF SCIENCE—*Three periods a week.*

This course, designed for students with a general cultural interest as well as for those specializing in some one of the sciences, aims at an understanding of the nature of scientific knowledge, the logical methods of science, and the structure of scientific systems. The course will aid students of the special sciences in appreciating the manner in which the work of their own field expresses man's scientific interest and contributes to the scientific world-view. Prerequisite: One semester-course in Philosophy and one year-course in Science. Semester course.

Not offered in 1949-50.

26. AESTHETICS—*Three periods a week.* Mr. Foss.

A study of the philosophical principles underlying the creative and appreciative aspects of art. Prerequisite: One semester-course in Philosophy. Semester course.

To be offered in 1950-51 and alternate years.

27. LOGIC—*Three periods a week.* Mr. Parker.

The principles of valid inference and their application to reasoning in everyday life, and in the sciences; the syllogism and other types of formal reasoning, the nature of proof, the detection of fallacies; introduction to the logic of scientific method and to contemporary developments in symbolic logic.

Offered in 1949-50.

28. PHILOSOPHY OF RELIGION—*Three periods a week.* Mr. Foss.

A study of the basic problems which the field of religion presents to a thoughtful mind. Prerequisite: One semester-course in Philosophy. Not open to Freshmen. Semester course.

Offered in 1949-50 and alternate years.

29. SOME ASPECTS OF RELIGIOUS LIFE AND LITERATURE SINCE
THE REFORMATION—*Three periods a week.* Mr. Steere.

Luther and German Protestantism; Thomas More and the Erasmus Tradition in England; Ignatius of Loyola and the Society of Jesus; Theresa of Avila and Spanish Mysticism; Lancelot Andrewes and 17th Century Anglican Piety; Isaac Penington and the corporate mysticism of the Quakers; John Wesley and the Evangelical Revival; John Fredric Oberlin and the rural apostolate; John Henry Newman and the Oxford Movement; Albert Schweitzer as critic of contemporary civilization; William Temple and the ecumenical movement; Evelyn Underhill and the "Life of the Spirit in the Life of Today"; Rufus M. Jones and the religious situation of our time. Lectures, reports, class discussions. Students who have taken *Philosophy 23* will be admitted to this course only with permission of the instructor. Semester course.

Offered in 1949-1950.

32. NINETEENTH CENTURY THINKERS—*Three periods a week.* Mr. Steere. Selected writings of Schopenhauer, Nietzsche, Tolstoy, and Bergson. Semester course.
Offered annually.

63-64. PHILOSOPHICAL SEMINAR—*Three hours a week.* Mr. Steere and Mr. Foss.

Specialized work in some restricted field of philosophic or religious thought is undertaken, the precise subject depending upon the needs of the students and the general interests of the group. Primarily designed for Seniors majoring in Philosophy and for Graduate students. Prerequisite: *Philosophy 21-22*; Majors unless by special arrangement. Limited to ten students. Year course.

Offered annually.

65-66. THE DEVELOPMENT OF POLITICAL THOUGHT—*A two hour seminar and one class period a week.* Mr. Steere and others.

A seminar course based upon the writings of selected political philosophers from Plato to the present day. Prerequisite: *Philosophy 11* or *21-22*; one semester of Political Science; otherwise by consent of the Department. Limited to sixteen students. Year course.

Offered annually.

Physical Education

COURSES in Physical Education are arranged in accordance with the plan for all-year physical training in the Freshman, Sophomore, and Junior years. The aim of this plan is to make possible active participation in athletics for the majority of students at Haverford College, with emphasis on the sports with carry-over value. Beginning with the class of 1951 (entering Sept., 1947) each student will be required to take, during his first three years, nine terms (fall, winter, spring) of Physical Education or of certain non-academic courses (see p. 94), with a minimum of six terms in Physical Education, three in the Freshman year, two in the Sophomore year, and one in the Junior year.

A thorough medical and physical examination is given to each student upon entrance. A tuberculin test is given to all Freshmen, followed by an x-ray if necessary, as part of this required examination. A swimming test is given to all entering students following the physical examination. This test must be passed by all students before graduation. Swimming instruction is given in the gymnasium pool during the early fall and late spring. Only those students whose physical condition is satisfactory will be permitted to take part in athletics.

The outdoor facilities include: Walton Field for football and track, with a 440-yard oval and a 220-yard eight lane straight-away cinder track; the Class of 1888 and Merion fields for soccer, both of which are

used for baseball and softball in the spring; a skating pond; Cope Field for cricket; an athletic field presented by the Class of 1916; a baseball field presented by the Class of 1922, used also for soccer in the fall; and twelve tennis courts, five of which were presented by the Class of 1923. There are four dinghies available during the spring and fall for those who wish to sail.

The indoor facilities are all included in the Gymnasium. The basement contains dressing rooms, showers, a swimming pool, a wrestling room, and a training room. Through the generosity of the Class of 1928, it has recently been possible to provide additional locker and dressing facilities, a new storage room for athletic equipment, and a laundry and drying room. A regulation basketball court is on the main floor and is used for Varsity and Junior Varsity Basketball, the interclass and intramural program, and for instruction in Physical Education. Adjoining this floor are dressing facilities for instructors, for coaches and officials, and rooms for the administration of medical and physical examinations. A special section for corrective and body-building work, an indoor track, a trophy room, and the administrative offices are located on the second floor.

11. PHYSICAL EDUCATION—*Three hours a week.* Mr. Randall, Mr. Haddleton, Mr. Evans, Mr. Docherty, Mr. Ray Bramall, and Mr. Spealler.

A course of elementary instruction in athletic games, including football, soccer, basketball, tennis, golf, track, volley-ball, handball, badminton; partly elective. Special corrective exercises for men who need them, during the winter term.

12. PHYSICAL EDUCATION—*Three hours a week.* Mr. Randall, Mr. Haddleton, Mr. Evans, Mr. Docherty, Mr. Norman Bramall.

A course of advanced instruction in athletic games, with emphasis on intramural sports.

13. PHYSICAL EDUCATION—*Three hours a week.* Mr. Randall, Mr. Haddleton, Mr. Evans, Mr. Docherty, Mr. Norman Bramall.

A course, almost entirely elective, involving participation in some organized and supervised athletic activity.

Physics

COURSES in Physics are intended to acquaint students with important fields of knowledge, to train them in analytical thinking, to give them an appreciation of the scientific method, and to help them gain first-hand experience and insight into the methods of experimental investigation.

All students, whether or not they plan to specialize in science, will find value in the integrated course called Physical Science 11, 12. This course undertakes to develop an appreciation of the methods of science based upon a thorough treatment of a limited number of selected topics.

Students of physics, medicine, engineering, mathematics, chemistry or other sciences will find the foundation offered by General Physics (Physics 13-14) indispensable. Physics 13-14 is ordinarily taken in the Sophomore year after Mathematics 13-14 or Physical Science 11, 12, but Freshmen with adequate preparation may be admitted.

For the student with professional aims in science, the Department offers courses leading to a Major in Physics which should equip a man to enter graduate school or industry on a favorable footing. Sound knowledge of mathematics is essential. Ability to understand and use the calculus is assumed in most of the advanced courses. The Department desires to cultivate in its Major students independence of thought and initiative at progressive levels of maturity; to that end, a sequence of courses following Physics 13-14 has been arranged, culminating in Physics 81, 82. The latter offers opportunity to conduct an extended individual investigation with training in the mastery of theory and experiment, and with emphasis upon independence and the ability to express oneself clearly both orally and in writing on the subject of investigation. Physics 81, 82 is not, however, limited to students majoring in Physics; it may be elected by others after consultation.

Physics 21 is open to qualified students who seek a broad understanding of modern concepts of matter and radiation. Physics 33-34 and 61, 62 are particularly recommended to students of chemistry, mathematics, and engineering who plan to do graduate work.

Major Requirements

Physics 13-14, 33-34, 81, 82 and either *61, 62* or *63-64*, constitute the minimum requirement of courses in this Department. In addition, *Physics 21* and *32* are strongly recommended.

Mathematics 13-14, 21-22, and 31.

History of physics (collateral reading).

A written comprehensive examination in two parts: (a) on general physics and history treated comprehensively; (b) on an extended, open-book problem designed to test each individual's ability to correlate his knowledge. In addition, an oral examination is expected of candidates for Honors. The granting of Honors in Physics is based upon excellence (an average of 85 or better) in course work, particularly in *Physics 81, 82*, and evidence of accomplishment beyond the usual course requirements.

Students who desire to combine a Major in Physics with advanced work in some other related department may do so by special arrangement between the two departments concerned. In such cases, a program is mapped out with some modification of the requirements normally expected of a Major in a single department.

11, 12. PHYSICAL SCIENCE 11, 12.

(See General Courses, page 63.)

13-14. GENERAL PHYSICS—*Four hours. Three class periods and one laboratory period a week.* Mr. Sutton.

This is the basic course for work in physics, engineering, chemistry or other sciences. Mechanics, sound, heat, electricity, and light are studied with the help of problems, laboratory experiments, lecture demonstrations, and discussion. This course is commonly taken in the Sophomore year, but qualified Freshmen are admitted. Algebra and trigonometry are essential and the methods of calculus are frequently employed. Freshmen must offer four years of high school mathematics and a year of high school physics or chemistry, and should take *Mathematics 13-14* concurrently. Sophomores who have passed *Mathematics 13-14* or *Physical Science 11, 12*, or both, will be admitted. Text: Mendenhall, Eve, Keys, and Sutton, *College Physics*. Year course.

Offered annually.

21. ATOMIC PHYSICS—*Three hours. Three class periods a week and occasional laboratory periods.* Mr. Sutton.

A course of lectures, class experiments, discussion, and outside readings on atoms, electrons, neutrons, ionization, photoelectricity, x-rays, radioactivity, atomic and nuclear structure, cosmic radiation, and an introduction to quantum mechanics. This course emphasizes the experimental rather than the more theoretical aspects of modern physics. Prerequisite: *Physics 13-14*, or consent of the instructor. Semester course.

Offered annually.

22. PHYSICAL OPTICS—*Three hours. Three class periods a week and occasional laboratory periods.* Mr. Sutton.

A study of the principles of physical optics, with laboratory experiments, covering systematically such fields as refraction, diffraction, interference, and polarization, with an introduction to Maxwell's equations. Prerequisite: *Physical Science 11, 12* or *Physics 13-14*. Semester course.

Not offered in 1949-50.

32. MECHANICS—*Three class periods a week.* Mr. Sutton.

Analytical mechanics, treating the statics, kinematics, and dynamics of particles and rigid bodies. Lectures and problems on the application of calculus and vector methods to mechanical systems, including a brief treatment of Lagrange's equations and the special theory of relativity. This course and *Physics 61, 62* are complementary. Text: Sygne and Griffith, *Principles of Mechanics*. Prerequisite: *Physics 13-14* and *Mathematics 31* (or *Mathematics 31* may be taken concurrently). Semester course.

Offered annually.

33-34. ELECTRICITY AND MAGNETISM—*Four hours. Three class periods and one laboratory period a week.* Mr. Benham.

A course of lectures, readings, and laboratory experiments designed to familiarize the student with precision electrical measurements, Kirchoff's laws, Gauss's

theorem, magnetic circuits, potential, capacitance, inductance, alternating current, and the laws of the electro-magnetic field. Text: Page and Adams, *Principles of Electricity*, and numerous reference books. Prerequisite: *Physics 13-14* and *Mathematics 21-22*; *Mathematics 31* should be taken previously or concurrently. Year course. First semester is given jointly with *Engineering 33*. Offered annually.

- 61, 62. INTRODUCTION TO MATHEMATICAL PHYSICS—*Three class periods a week*. Mr. Green.

(Also called *Mathematics 61, 62*.)

Lectures and problems on selected topics in mathematical physics, such as vector analysis, mechanics, hydrodynamics, thermodynamics, kinetic theory, wave motion, theory of electric fields, etc. Text: Page, *Introduction to Theoretical Physics*. Prerequisite: *Physics 13-14* and *Mathematics 31*. Year course, but students from other departments may take first semester only.

Offered annually.

- 63, 64. ELECTRONICS—*Four hours. Three class periods a week and one laboratory period*. Mr. Benham.

This course includes circuit theory (resonant and coupled circuits, filter networks, impedance matching, etc.), electron theory, study and application of vacuum-tubes, and problems pertaining to design and analysis of typical circuits employing them. Laboratory experiments are designed to give the student experience in the relation of circuit theory to practice. Some industrial applications are studied. Prerequisite: *Physics 33-34* or *Engineering 33-34*. Year course, but students from other departments may take first semester only.

Offered annually.

- 81, 82. PHYSICS SEMINAR—*Three hours. One meeting a week and individual study and laboratory*. Mr. Sutton and Mr. Benham.

Individual work in selected fields of investigation. Each student pursues comprehensive reading and sustained experimental work on a problem. Weekly meetings are held with the members of the Department to discuss the progress in each field of investigation. Each student becomes familiar with problems other than his own and gains experience in presenting his own work. Not restricted to Major students. Year course. By permission, one semester only may be elected.

Offered annually.

Political Science

THE POLITICAL SCIENCE CURRICULUM is designed to give the student an understanding of political organization and political forces in modern society, to provide knowledge and a basis for insight and judgment on the problems involved in the relationship of the individual to the state and of governments to one another. The broad areas of study include: analysis of political theory in relation to its institutional environment; comparison and appraisal of different types of governments and their political organization; American political institutions; and problems of international relations.

The tools of analysis include theory and experience. The purposes and the actual workings of political institutions are appraised. In advanced courses, emphasis is placed upon individual research and analysis—practice in location, organization, and presentation of data, and independent judgment.

The courses are designed primarily for a liberal arts education and are intended to create intelligent and lasting interest and participation in the formulation of public policy. The training will also serve the practical needs of those men contemplating professional careers which involve an understanding of modern government, such as law, journalism, and the public service.

Men majoring in political science are expected to understand the relationship of this field to other social studies and also the purposes and methods of the social sciences as a whole. They are thus expected to take supporting courses in economics, history, and sociology.

Major Requirements

Political Science 21, 22, 100 and six other courses in Political Science distributed among the areas of study indicated above.

At least four other semester courses in social sciences other than Political Science.

A seven-hour comprehensive examination covering the major fields of study. A portion of the comprehensive examination will be oral.

Candidates for Highest Honors are required to submit a thesis of independent research work. Such thesis may obtain course credit through *Political Science 85 or 86*.

Economics 21-22, Mathematics 23, Philosophy 65-66 and Sociology 82 are recommended for Political Science Majors.

21. **FREEDOM AND CONTROL:** Foundations of Western Political Thought—*Three periods a week.* Mr. Somers, Mr. Haviland and Mr. Roche.

An analysis of the development of the main currents of western political thought, studied primarily through the original works of thinkers who have had greatest influence in shaping modern ideas and institutions, with special reference to the central issue of reconciling individual liberty with social control. Prerequisite: *Social Science 11-12*.

22. **MODERN POLITICAL INSTITUTIONS AND ISSUES**—*Three periods a week.* Mr. Somers and Mr. Roche.

A comparison and analysis of modern governmental institutions and practices with reference to their ideological foundations. Central problems of government will be examined in relation to comparative structures, administration, and operative ideals. Special attention will be devoted to the United States, which will also be used as a basis of comparison.

Political Science 21 and 22 are designed as a year course. Together they present the basic elements for understanding of modern politics for students who will continue in political science as well as for those who do not intend to take additional courses in this field. By permission of the Department either semester may be taken independently.

31. PARTIES, PRESSURES, AND THE PUBLIC INTEREST—*Three periods a week.* Mr. Somers.
A study of political parties, their organization and techniques, as an instrument of democratic government; the relationship of private associations to the party system; the role of such associations in a democracy; and the ultimate problem of how the public interest can be determined and served. Prerequisite: *Political Science 23*; (after 1949-50, *Political Science 21* and *22*). Semester course. Offered annually.
32. CONSERVATION OF NATURAL RESOURCES—Mr. White.
(See *Geography* and *Geology 32.*)
33. AMERICAN CONSTITUTIONAL DEVELOPMENT—*Three periods a week.* Mr. Roche.
A study of the development of the American constitution through judicial interpretation, related to the changing political, social, and economic problems of the United States. Definitive Supreme Court cases shaping the course of American development will serve as the primary basis of study. Prerequisite: *Political Science 23*; (after 1949-50, *Political Science 21* and *22*). Semester course.
Offered in 1949-50 and alternate years.
34. SOCIAL SECURITY—*Three periods a week.* Mr. Somers.
(Also called *Economics 34* and *Sociology 34.*)
A study of the economic and political problems caused by the insecurity and hazards of modern industrial society, their social and political costs, methods of alleviation and control, with particular reference to social insurances and related governmental programs. The nature of public interest and public responsibility in relation to individual disaster is examined. Prerequisite: *Political Science 23* or *22* or *Economics 21-22* or *Sociology 21*; Junior standing. Semester course.
Offered in 1949-50 and alternate years.
35. PUBLIC FINANCE—*Three periods a week.* Mr. Herndon.
(Also called *Economics 35.*)
A study of the general principles of public revenues, public expenditures, public indebtedness, fiscal administration, and of the principles of equity in the distribution of tax burdens. Prerequisite: *Political Science 23*; (after 1949-50, *Political Science 22*), or *Economics 21-22*. Semester course.
Offered annually.
36. FEDERAL TAXATION—*Three periods a week.* Mr. Herndon.
A study of the principal aspects of taxation by the federal government with emphasis upon income and estate tax policies and problems, together with consideration of the leading constitutional law developments in this field. Prerequisite: *Political Science 23*; (after 1949-50, *Political Science 22*); or *Economics 21-22*. Semester course.
Offered annually.
38. GOVERNMENT ADMINISTRATION AND PUBLIC POLICY—*Three periods a week.* Mr. Somers.
A study of administration as a central element of contemporary civilization with special reference to the problems involved in the development of the modern "service state"; administrative theory and process in relation to the formulation and execution of public policy. The approach is analytical rather

than descriptive. Prerequisite: *Political Science 23*; (after 1949-50, *Political Science 21* and *22*). Semester course.

Not offered in 1949-50.

39. GOVERNMENT AND BUSINESS—Mr. Hunter.

(See *Economics 39*.)

51. AMERICAN FOREIGN POLICY—*Three periods a week*. Mr. Haviland.

A critical analysis of the forces which shape United States foreign policy; its objectives, methods, and consequences. Prerequisite: *Political Science 22* or *23*. Semester course.

Not offered in 1949-50. To be offered in 1950-51 and alternate years.

53-54. INTERNATIONAL RELATIONS: ECONOMIC AND POLITICAL—*Three periods a week*. Mr. Haviland and Mr. Street.

(Also called *Economics 53-54*.)

An analysis of the inter-action of economic and political forces in world relations. An examination of significant theories and historical development will be followed by a study of modern critical issues. Prerequisite: *Economics 21-22* or *Political Science 23*; (after 1949-50, *Political Science 21* and *22*). (Not open to students who took *Economics 32* for credit in 1948-49.)

Offered annually.

55. COMPARATIVE GOVERNMENT—*Three periods a week*. Mr. Roche.

A comparative study of selected foreign governments, including European and Asiatic Nations. Prerequisite: *Political Science 22*. Semester course. (This course may not be taken for credit by students who took *Political Science 24* in 1948-49.)

Not offered in 1949-50. To be offered in 1950-51 and alternate years.

56. WORLD ORGANIZATION—*Three periods a week*. Mr. Haviland.

A critical analysis of the evolution of major instrumentalities for the achievement of world order and law. Particular attention will be given to the League of Nations, the United Nations, and various proposals for regional and world government. Prerequisite: *Political Science 23*; (after 1949-50, *Political Science 21* and *22*). Semester course.

Offered in 1949-50 and alternate years.

61. AMERICAN POLITICAL THOUGHT—*Three periods a week*. Mr. Roche.

An approach to understanding the enduring significance of the American heritage through the study of outstanding political and social writings. Prerequisite: *Political Science 23* or *21*. Semester course.

Offered in 1949-50 and alternate years.

64. MODERN POLITICAL AND SOCIAL THEORY—*Three periods a week*. Mr. Roche.

(Also called *Sociology 64*.)

A study of leading political doctrines of the nineteenth and twentieth centuries which have had major influence in shaping the issues and conflicts of the modern world. Prerequisite: *Political Science 24*; (after 1949-50, *Political Science 21* and *22* or *Sociology 21-22*). Semester course.

Offered annually.

85-86. INDEPENDENT PROJECT COURSES—*Individual consultation plus one two-hour period a week*. Mr. Somers.

Research papers and oral reports on special topics based upon the individual interests of advanced students. Open only to Senior Social Science Majors

by permission of the instructor. Theses of candidates for High Honors and Highest Honors may be written for credit in this course. Limited enrolment. May be taken as semester or year course by arrangement with instructor. Offered annually.

Psychology

COURSES in Psychology are intended to acquaint the student with the factors which underlie his own mental processes and the mental processes of those about him. The subject deals primarily with an understanding of the problems of human adjustment to environment. In addition to the basic and possibly unique contribution which psychology can make to a general education, the study of psychology is of especial significance for students who are preparing themselves for business, law, medicine, the ministry, or other fields in which the professional man is called upon to deal with other human beings.

Major Requirements

Psychology 21-22, 31-32, 33, 34, 61, 82, and 100.

Comprehensive examination.

21-22. GENERAL PSYCHOLOGY—*Four hours. Three demonstration lectures and one laboratory period a week.* Mr. Sanford.

A systematic survey of the basic facts and principles in the various fields of psychology. Year course.

Offered annually.

31-32. HUMAN RELATIONS—*Three periods a week.* Mr. Sanford.

(Also called *Sociology 31-32.*)

The course is designed to increase the understanding of inter-personal relations in modern society. It will concern itself mainly with materials from social psychology, but will draw relevant facts and principles from other fields of psychology, and from other social sciences. Prerequisite: *Sociology 21-22*, or *Psychology 21-22*. Year course.

Offered annually.

33. EXPERIMENTAL PSYCHOLOGY—*Three class periods and one laboratory period a week.* Mr. Pepinsky.

A survey of the psychological processes (sensation, perception, attention) which lend themselves most readily to experimental methods. Prerequisite: *Psychology 21-22*. Semester course.

Not offered in 1949-50.

34. PSYCHOLOGY IN MENTAL HYGIENE—*Three periods a week and occasional visits to clinics conducted by Dr. Edward A. Strecker, Professor of Psychiatry, School of Medicine, University of Pennsylvania.* Mr. Pepinsky.

Consideration is given to the dynamics of behavior and adjustment; motivation and its modification by cultural and organic influences; forms of adjus-

tive behavior, normal, neurotic, and psychotic; adjustments typical of different age levels; and adjustments influenced by counseling. Prerequisite: *Psychology 21-22*. Semester course.

Not offered in 1949-50.

36. **ADVANCED PSYCHOLOGY**—*Three periods a week*. Mr. Steere.

The contemporary schools of psychotherapy will be studied, with emphasis upon the understanding of the normal personality through study of the personality confronting difficulties. Several field trips will be taken and each student will specialize upon the writings of a leading school of thought in this field. Prerequisite: *Psychology 21-22*. Semester course.

Offered in 1949-50.

61. **PSYCHOLOGY OF PERSONALITY**—*Three periods a week*. Instructor to be announced.

The study of the problems of development and organization of personality. Prerequisite: *Psychology 34*. Semester course.

Offered annually.

82. **SPECIAL TOPICS IN PSYCHOLOGY**—*Two hours of seminar discussion and one laboratory period a week*. Mr. Sanford.

A seminar for special work in restricted fields of psychology. A project course. Elective for Seniors by consent of the instructor. This course may be repeated for credit with change of content. Prerequisite: *Psychology 61*. Semester course.

Offered annually.

REMEDIAL READING. Instructor to be announced.

Designed to help students having difficulty with their rate and comprehension in reading. Telebinocular and ophthalmographic diagnosis is undertaken for each candidate. For corrective measures students are referred to appropriate agencies. Practice in the use of the Harvard Remedial Films and Equated Transfer Readings. No credit.

Offered each semester.

Romance Languages

ADMISSION of new students to all French and Spanish courses except French 11-12 and Spanish 11-12 is contingent upon placement examinations administered by the Department prior to the opening of such courses.

Opportunity is given to students who complete French 11-12, Spanish 11-12 or Spanish 13-14 with distinction to advance rapidly into higher courses by passing a special examination in September on a prescribed program of vacation study.

Residence in the French and Spanish Houses, attendance at the language tables in the college dining room and participation in the Cercle français and Club español afford an opportunity for supplementary oral practice.

Students who might profitably spend their Junior year in France or Mexico are encouraged by the Department to apply for admission to the institutions sponsoring foreign study groups.

Students majoring in Romance Languages are encouraged to spend a summer in France or Mexico. Foreign summer schools and projects sponsored by the American Friends Service Committee and other organizations offer exceptional opportunities in this regard.

FRENCH

The program of French courses offer students an opportunity:

- 1) to learn to read, understand, speak and write French. In French 11-12 emphasis is placed on the ability to read and pronounce French. In French 13-14 a special effort is made to teach students to understand spoken French. French 21 and 22 are planned for the benefit of students primarily interested in learning to speak and write French;
- 2) to achieve an understanding of the basic attitudes implicit in a foreign culture which has exerted a profound influence in the shaping of western civilization;
- 3) to read with an increasing awareness of philosophical, moral, aesthetic and social implications the most significant French literary works.

Major Requirements

French 23-24, 25-26, 81 or 82, and 100.

Supporting courses to be arranged in individual conference with the Major Supervisor.

Comprehensive Examination.

Courses

11-12. INTRODUCTION TO FRENCH LANGUAGE AND THOUGHT—
Three periods a week. Mr. Wylie and Mr. Gutwirth.

First semester: Study of those aspects of French grammar without a knowledge of which one cannot read French intelligently. Training in pronunciation. Second semester: Reading of authors who have concerned themselves with important problems. One class hour a week is devoted to translation, another to concentrated analysis of short texts, and the third to discussion of rapid reading. Year course.

Offered annually.

13-14. CHARACTERISTIC FRENCH ATTITUDES—*Three periods a week.*
Mr. Gutwirth and Mr. Lung.

The purpose of this course is to aid the student, through analysis of basic French attitudes and comparison with equivalent American attitudes to

achieve a more objective understanding of certain cultural forces which have had a part in shaping his own life. Lectures and reading are in French, but class discussion is carried on in English. Prerequisite: *French 11-12* or the equivalent. Year course.

Offered annually.

21. SPOKEN FRENCH—*Three periods a week.* Mr. Wylie and Mr. Lung.

This course is designed to develop the student's ability to speak French correctly and without embarrassment. At first most of the work will be carried on through individual conferences and laboratory periods; as the ability of the student increases and general discussion becomes more profitable, more emphasis will be placed on regular class meetings. Attendance at the French Table in the College Dining Hall is expected. Students who plan to take this course are encouraged to make arrangements to live in the French House. Prerequisite: *French 13-14* or special permission of the Department. Enrolment limited to twelve students. Semester course.

Offered annually.

22. THE FRENCH LANGUAGE—*Three periods a week.* Mr. Wylie and Mr. Lung.

The development and structure of the French language are studied as a means to a more general understanding of the nature and function of language. Through extensive drill an attempt is made to teach students to write French correctly. Prerequisite: *French 21* or the equivalent. Semester course.

Offered annually.

23-24. CURRENTS OF FRENCH THOUGHT—*Three periods a week.* Mr. Wylie.

A study of the fundamental trends of French thought from Humanism to Existentialism. Special emphasis is placed on the relationship of philosophical, social and literary schools of thought. Although importance is attached to historical development, this course does not constitute a survey of French literature. Prerequisite: *French 13-14* or the equivalent. Year course.

Offered in 1949-50 and alternate years.

25-26. A SYMPOSIUM OF SIGNIFICANT FRENCH WRITINGS—*Three periods a week.* Mr. Gutwirth.

This course, while independent of *French 23-24*, is complementary to it. It consists of readings in French masterpieces from the *Chanson de Roland* to Camus's *L'Etranger*. Emphasis is placed on intrinsic values rather than on century-by-century coverage. Some of the men read are Villon, Montaigne, Pascal, Racine, Voltaire, Diderot, Rousseau, Stendhal, Flaubert and Gide. Prerequisite: *French 13-14* or the equivalent. Year course.

Offered in 1950-51 and alternate years.

81, 82. SPECIAL PROJECT IN FRENCH LITERATURE.

This course offers the student of French literature an opportunity to probe more deeply and more independently into a problem in which he is particularly interested. The nature of the course will therefore vary to suit the needs of individual students. Semester courses.

Offered annually.

SPANISH

The courses offered in Spanish are designed to give the student a thorough knowledge of the Spanish language and an understanding of Spanish and Spanish-American thought and culture. Elementary Spanish and Intermediate Spanish are primarily language courses, with emphasis on grammar, reading, and conversation. Even in these elementary courses the approach corresponds to the liberal tradition of the College, placing emphasis on the human value of the language, and its importance in international and continental solidarity and understanding. The elementary courses are followed by general courses in civilization and literature, as the basis for the more advanced courses covering special periods, works, and authors in Spanish and Spanish-American literatures.

Major Requirements

Spanish 15-16, 21-22, 31, 32, 81 or 82, and 100.

History of Spain and Spanish America, as a background for literature.

Supporting courses to be arranged in individual conference with the Major Supervisor.

Written and oral comprehensive examinations.

11-12. ELEMENTARY SPANISH*—*Five periods a week.* Mr. Asensio and Mrs. Asensio.

Grammar, with written and oral exercises; reading; thorough drill in conversation. Year course.

Offered annually.

13-14. INTERMEDIATE SPANISH—*Three periods a week.* Mrs. Asensio.

Review of grammar, with written and oral exercises; composition, reading, and conversation. Prerequisite: *Spanish 11-12* or the equivalent. Year course.

Offered annually.

15-16. INTRODUCTION TO HISPANIC CIVILIZATION—*Three periods a week.* Mr. Asensio.

Geographic, cultural, and historical background. Emphasis is laid on basic attitudes underlying the Spanish and Spanish-American culture pattern and contrasting with characteristic American attitudes. Lectures, reading, discussion, written reports. Prerequisite: *Spanish 13-14* or the equivalent. Year course.

Offered annually.

21-22. INTRODUCTION TO SPANISH LITERATURE—*Three periods a week.* Mr. Asensio.

A survey of Spanish literature from the beginnings to modern times; lectures, written and oral reports. Prerequisite: *Spanish 13-14* or the equivalent. Year course.

Offered annually.

* This course meets five times a week, with corresponding reduction in outside preparation; three hours credit.

31. INTRODUCTION TO LATIN-AMERICAN LITERATURE — *Three periods a week.* Mr. Asensio.
A survey of Latin-American literature from the Colonial period to modern times; lectures, written and oral reports. Prerequisite: *Spanish 13-14* or the equivalent. Semester course.
Offered in 1949-50 and alternate years.
32. SPANISH LITERATURE OF THE GOLDEN AGE—*Three periods a week.* Mr. Asensio.
Cervantes, Lope de Vega, Tirso de Molina, Calderon; lectures; written and oral reports. Semester course.
Offered in 1949-50.
- 81, 82. SPECIAL TOPICS IN SPANISH LITERATURE—*Three periods a week.* Mr. Asensio.
Reading and lectures; written and oral reports. This course may be repeated, with change of content, for full credit. Semester courses.
Offered annually.

RUSSIAN

- 11-12. ELEMENTARY RUSSIAN*—*Five periods a week.* Miss deGraaff.
Russian grammar, conversation, and reading. Year course.
Offered annually.
- 21-22. INTERMEDIATE RUSSIAN—*Four periods a week.* Miss deGraaff.
Grammar review, reading in Russian classics and contemporary material, conversation. Prerequisite: *Russian 11-12* or the equivalent. Year course.
Offered annually.

The following course is given at Bryn Mawr College:

201. RUSSIAN LITERATURE IN TRANSLATION—*Three periods a week.* Miss Linn.

The leading Russian writers of the nineteenth century in translation. Students registering for the course should read in the preceding summer the following novels: Dostoevsky's *Crime and Punishment*, Tolstoi's *War and Peace*, and two of Turgenev's novels.

* This course meets five times a week with corresponding reduction in outside preparation; three hours credit.

Sociology

THE CURRICULUM in Sociology is designed primarily to help the student understand the social structure and the web of social relationships in which man functions. In other words, it will treat man, his groups and his communities. The curriculum is given as a phase of a program of liberal education. Courses are offered for those who would make Sociology their area of major interest as well as for those students wishing to study such specific groups and institutions as populations, the family, and the community as they function in modern society.

Major Requirements

A program equivalent to three two-semester courses in the field of sociology, and the equivalent of four semester courses selected from the related courses listed below. Sociology courses always required are 21-22, 33 or 34, 37 or 38, 81, 82. Related courses may be selected from the following group, when chosen in consultation with the Major Supervisor: *Economics* 21-22, 36; *Geography* 32, *Political Science* 34, 64, *Psychology* 31-32.

A comprehensive examination designed to test the student's knowledge, as well as his ability to integrate and utilize the subject matter of the field.

Candidates for Final Honors in Sociology will be required to complete two special projects, one in the field of *Social Groups and Institutions* during the Junior year, another in the field of *Social Methods and Issues* during the Senior year.

21-22. SOCIAL AND CULTURAL LIFE—*Three periods a week.* Mr. Reid and Mr. Loescher.

The introductory course in sociology designed to study the principles, structures and processes of contemporary and primitive societies. Prerequisite: *Social Science 11-12.* Year course.

Offered annually.

31-32. HUMAN RELATIONS—Mr. Sanford.

(See *Psychology 31-32.*)

33. SOCIAL GROUPS, I: POPULATION POLICIES AND PROBLEMS—*Two periods a week.* Mr. Reid.

A study of the restrictive, expansive, and eugenic characteristics of national populations, with special reference to the phenomena of fertility and fecundity, birth and death rates, food supply, density, and migration. Special attention is given to current population problems in the Western Hemisphere. Prerequisite: *Sociology 21-22* or *Economics 21-22.* Semester course.

Offered in 1950-51 and alternate years.

34. SOCIAL SECURITY—Mr. Somers.

(See *Political Science 34.*)

40. SOCIAL GROUPS, II: RACE AND CULTURE GROUPS IN THE MODERN WORLD—*Three periods a week.* Mr. Reid.

An analysis of the secularization of the world's peoples and the contemporary "minorities" situations in the world; how these situations arise; how they are

- perpetuated, and how they are resolved. Individual projects. Prerequisite: *Sociology 21-22* or *Economics 21-22*.
Offered in 1949-50 and alternate years.
36. LABOR ECONOMICS AND LABOR RELATIONS—Mr. Teaf.
(See *Economics 36*.)
37. INSTITUTIONS, I: DOMESTIC: MARRIAGE AND THE FAMILY—
Three periods a week. Mr. Reid.
A study of the institutions designed to guarantee the perpetuation of the group and its cultural heritage in comparative societies. The course will analyze functions and forms of the institutions of marriage and the family in different societies. Individual projects. Prerequisite: *Sociology 21-22* or *Economics 21-22*. Semester course.
Offered in 1949-50 and in alternate years.
38. INSTITUTIONS, II: SOCIAL: THE MODERN COMMUNITY (formerly URBAN SOCIETY)—*Three periods a week*. Mr. Reid.
A study of the social and spatial aspects of modern community organization as influenced by personal, technological, ecological, economic and political factors. Individual projects. Prerequisite: *Sociology 21-22* or *Economics 21-22*.
Offered in 1950-51 and alternate years.
64. MODERN POLITICAL AND SOCIAL THEORY. Mr. Roche.
(See *Political Science 64*.)
81. STUDIES OF SOCIETY (formerly SOCIAL INVESTIGATION)—*Individual consultation and one two-hour period a week*. Mr. Reid.
An analysis of classic and significant studies in the fields of the social sciences with a view toward understanding the methods, tools, techniques, and hypotheses of social research. Studies will demonstrate the use of statistical, case, historical, and other semester course procedures. Seminar. Individual projects. Required of Sociology Majors.
Offered annually.
82. VALUES AND ISSUES IN SOCIETY—(Companion seminar to *Sociology 100*.) *Individual consultation and one two-hour period a week*. Mr. Reid.
This seminar is designed to treat a sociological problem of current or potential importance, emphasizing the nature and problems of social change with reference to social behavior and social structure. Any one of such problems as "Philanthropy in a Democratic Society," "The Romantic Complex and Institutional Structure," "War as a Social Institution," "Age and Social Roles," "Legislation as a Method of Social Reform," "Planning and Social Intelligence," may well serve as the nexus of the seminar. Required of Sociology Majors. Semester course.
Offered annually.

Non-Academic Program

THE FACULTY OF HAVERFORD COLLEGE adopted in the spring of 1947 a program which involves a new departure in American education. This program is designed to cultivate aesthetic perception, creative control of materials, a love of fine workmanship, and other important areas of learning and of experience, such as community service, which have often been neglected in the liberal arts program. The Faculty feels that, though courses (called "units") in these areas cannot properly be included in the academic curriculum, they are of no less importance in the development of personality than strictly intellectual work.

Every student is required to take nine terms of work which is not academic in nature. It is mandatory that six of these terms be taken in Physical Education, three in the Freshman year, two in the Sophomore year, and one in the Junior year. The remaining three terms may be devoted either to offerings of the Department of Physical Education or to units of the Non-Academic Program described here. The first election of such units in the Non-Academic Program may be made in the fall or winter term of the Sophomore year.

In its non-academic work, the College insists on the same high quality of teaching which it demands in its curricular courses. A distinction in the two types of work is needed not because one is thought to be less important than the other, but because in the opinion of the Faculty the two kinds of work are different and should not be equated.

Most of the following units will be offered during the winter term in 1949-50. Certain units, in addition to those so designated, may be offered during the fall term, depending upon the enrolment.

COMMUNITY CENTER ACTIVITIES

Non-academic credit will be given to students who participate three hours a week during the winter term as group leaders in the activities of community services in Haverford, Ardmore, and Bryn Mawr. Activities include athletics, scouting, clubs, music, dramatics, hobbies, and other youth-leadership work. Competent social workers will supervise the work, and guidance will be given by sociologists to make the experience profitable.

PAINTING AND DRAWING—*Three hours a week.*

METAL WORKING—*Three hours a week.* Mr. Holmes and Mr. N. Wilson.

The unit for beginners will be conducted in the fall term and will include machine tool work on the lathe, milling machine, shaper, and drill-press. Those who have sufficient skill will be permitted to use the scheduled period for approved projects of their own choice.

MUSIC APPRECIATION 1—*Three hours a week.* Mr. Reese.

This unit will be focused on the regular weekly broadcasts of operatic and symphonic music. Two hours per week will be devoted to the study and analysis of literature based on these programs. This will lead to a discussion of the art-forms, the composers, and to an appraisal of performance.

MUSIC APPRECIATION 2—*Three hours a week.* Mr. Reese.

This unit, which will meet in the fall term, is a continuation of Music Appreciation 1. It will be devoted to an analysis of individual works of such composers as Palestrina, Bach, Mozart, Haydn, Beethoven, Schumann, Brahms, Debussy, stressing in particular the composer's style and the significance of the work under discussion in the development of the art of music.

PHOTOGRAPHY—*Three hours a week.* Mr. Hetzel and Mr. N. Wilson.

The unit for beginners will include instruction in the use and characteristics of photographic equipment, the processing of films and papers, and the composition of subject material both indoors and outdoors. Those who already have some proficiency will be offered help and the use of facilities to work along lines of their own interests.

PUBLIC SPEAKING—*One two-hour period each week.* Mr. Snyder.

This unit is based on the assumption that members, having taken required Public Speaking (English 11), have already had elementary training whereby they have been freed from stagefright and platform awkwardness. A large part of the time will be devoted to logic and to a fair-minded breakdown and analysis of controversial problems in order to enable the student to find impartially what are the main issues of a controversy and to test the validity of his own research and thinking.

RADIO COMMUNICATION—*Three hours a week.* Mr. Benham.

This unit, which will meet in the winter term, will include training in the fundamental, simplified theory of radio, actual construction of equipment, and group instruction in the International Morse Code. It may serve as preparation for the amateur license examination given by the Federal Communications Commission.

THEATRE ARTS—*Three hours a week.* Mr. Thon.

This unit meets during the winter term and covers acting, directing, and theatre production by means of lectures, demonstrations, and laboratory work. The technical elements of theatre production are considered, such as designs for scenery, costume, and make-up, charts for lighting, and scale drawings for technical work, followed by actual construction and painting of scenery, hanging of lights, and application of make-up. The acting and directing work covers such elements as characterization, movement, pantomime, rhythm, casting and rehearsal techniques, while centering on selected scenes from representative modern and classic plays.

WEEK-END WORK CAMPS—Mr. Richie and others.

Students electing this unit will spend three week-ends, spaced four weeks apart, participating in the work of renovating houses in certain areas in Philadelphia. Consultations with expert social workers and discussion within the camp group will promote an interest in and understanding of social problems.

WOODWORKING—*Three hours a week.* Mr. Holmes.

Instruction will be offered during the winter term in woodworking with hand tools on selected tasks. Qualified students may work on projects of their own choice insofar as facilities permit. Limited to six students at one time.

Extra-Curricular Activities

Student Government

THE COLLEGE ADMINISTRATION has delegated to the Students' Association the responsibility for nearly all aspects of student conduct on the campus; and the Students' Association has assumed this responsibility. Student Government is exercised through an elected Students' Council, on which are representatives of all the classes and of some of the undergraduate organizations.

The students at Haverford College believe that the success of self-government depends upon the individual's realization and acceptance of his social responsibilities. This concept forms the basis of the Haverford Honor System, which is a compact entered into by all members of the Students' Association. The Honor System is designed to maintain certain standards which represent the opinion of the Students' Association on what is desirable conduct on the campus. It applies to the conduct of examinations, the preparation of papers outside of class, to the rules governing the presence of women in the dormitories, and to some other aspects of college life. The Honor System is administered by the Students' Council with the active cooperation of all members of the Students' Association.

The Students' Council is an administrative and judicial body. It handles all phases of the administration of regulations for the Students' Association. It manages extra-curricular activities on the campus and allocates to each a percentage of the Student Activities Fee (\$15 per year, charged to every undergraduate as a part of the Unit Fee) on the basis of a yearly budget. In intercollegiate relations, except athletics, it serves as the representative of the Haverford student body.

The chairmanship of the Students' Council is the most important undergraduate office. The Chairman represents the student body before the Board of Managers, the College Administration, and the Faculty. He serves both as liaison officer and executive. He conveys to the College Administration the recommendations of the Students' Council in disciplinary matters.

The Honor Pledge, which is quoted below, is called to the attention of each applicant for admission to Haverford College. It is signed upon entrance, and is signed again whenever the student takes an examination, though its force is not limited to examinations only. In signing the pledge the individual student accepts the Honor System in its entirety,

as currently in force and as it may be changed while he is an undergraduate at Haverford. Every entering student should make sure, before selecting Haverford, that he can give his active support to the Honor System. He should realize that its success, which is of great importance to him personally and to the whole student body, and indeed to the College itself, depends upon his willingness to give it his complete support.

HONOR PLEDGE

"I hereby accept the Haverford College Honor System, realizing that it is my responsibility to safeguard, uphold, and preserve each part of the Honor System and the attitude of personal and collective honor upon which it is based."

THE STUDENTS' ASSOCIATION is made up of all undergraduates in good standing at Haverford College. It is the body for student self-government. The Students' Council is elected from among the members of the Students' Association, and carries most of the burden of leadership in the undergraduate body. In addition, the Students' Council annually appoints deputies, so that it will have representatives in every dormitory.

Societies and Organizations

THE COUNCIL FOR STUDENT ACTION is an organization of men interested in political affairs. It includes several subsidiary groups, such as the following: International Relations Club, United World Federalists, Political Action Committee, Students' League for Industrial Democracy, and United Nations Student Council. The CSA conducts an Open Forum for the discussion of political matters of general interest.

THE INTER-FAITH ORGANIZATION is a group of men interested in religious matters. It conducts services on a non-sectarian basis, arranges discussion groups, and undertakes social work in the community.

THE W. W. COMFORT DEBATING SOCIETY elects to membership men who have shown a consistent interest in debating, and who have represented the College on more than one occasion. Every year, a series of intercollegiate debates is conducted.

THE CAP AND BELLS CLUB includes the dramatic society, which presents four plays a year, usually in conjunction with the dramatic society of Bryn Mawr College, the Glee Club, the orchestra, and the band. The undergraduate president of Cap and Bells is an ex-officio member of the Students' Council.

THE RADIO CLUB operates the college radio station, WHRC. Members of the club arrange programs, operate the station, and build or buy necessary equipment. The studios are located in the third floor of the Union Building.

THE VIC DANCE COMMITTEE runs victrola dances on announced dates, usually on Saturday evenings. Its members are appointed by the Students' Council.

THE FILM CLUB arranges for and presents interesting films, sometimes from the archives of the Museum of Modern Art, and sometimes in foreign languages.

THE NAUTICAL CLUB is composed of undergraduate students of the college. Its purpose is to promote an interest in sailing for pleasure and to engage in inter-collegiate dinghy racing. It is a member of the Inter-Collegiate Yacht Racing Association.

THE VARSITY CLUB of Haverford College, organized in 1936, is composed of undergraduates who have won varsity letters. Its purpose is to advance the interests of the College and of athletics in every way consistent with the high ideals of the College.

DEPARTMENTAL CLUBS. There are at Haverford various departmental groups, which arrange for outside speakers, and often for discussion groups. Among these are the French Club, German Club, Spanish Club, Mathematics Club, Biology Club, and Chemistry Club. Some of these clubs occasionally sponsor social gatherings.

Joint Faculty and Student Groups

THE COMMITTEE ON STUDENT AFFAIRS is a joint committee made up of members of the Faculty and undergraduates. It is charged with supervising the arrangements for social affairs on campus, and with reviewing the budgets of various recognized student organizations.

THE CAMPUS CLUB is an association of graduates, faculty members, and undergraduates who are interested in maintaining and increasing the beauty of the college campus.

Student Publications

THE HAVERFORD NEWS is a weekly newspaper, sent to all undergraduates and to all members of the alumni body. It is published on Wednesdays, during term-time, altogether by undergraduates, who are also responsible for the business management of the paper. Its editor is an ex-officio member of the Students' Council.

COUNTERPOINT is a literary magazine managed jointly by students of Haverford and Bryn Mawr Colleges. It publishes creative writing and essays by students of both campuses and it includes art work and music. Contributions from Faculty members and from Alumnae and Alumni are also printed in each issue of Counterpoint.

THE HAVERFORD COLLEGE HANDBOOK is published each fall under the auspices of the Students' Council. It contains information particularly valuable to new students.

THE RECORD is published annually by the Senior class, with the support of the Students' Association. It includes a record of the year, with particular emphasis upon the activities of the graduating class.

Health Program

EACH STUDENT is given a thorough examination at the beginning of the Freshman year, and at other times as recommended by the College physician. Chest x-rays are included in these examinations.

Each student is entitled to unlimited dispensary service, at stated hours, and first-aid service at any time.

In case of illness, each student is entitled to two weeks of residence in the Morris Infirmary each semester, ordinary medicine, diagnostic laboratory work, any x-rays needed for diagnosis, and the service of College physician and resident nurse.

Students will be charged \$5.00 a day for residence in the infirmary after their first two weeks. Day students will be charged for board while in the infirmary.

Each student is also covered by a blanket accident policy which pays actual expenses resulting from any accident up to a limit of \$500 for each accident. The expenses covered include x-rays, medicine, surgical appliances, hospital bills, nursing care, physician's fee, surgeon's fee, and also dentist bills for repair or replacement of natural teeth as a result of an accident, subject to the approval of the College physician. The coverage is in force from 12:01 A. M. Standard Time three days before the date when registration of entering students begins until midnight three days after Commencement Day.

All of these services are covered by the Unit Fee which is paid by all students (see page 26).

The infirmary, presented by John T. Morris, '67, contains ten beds, a surgical room, an isolation ward for contagious diseases, its own kitchen, and accommodations for a resident nurse. Every provision has been

made for medical and surgical treatment of all cases among students during the college year. The danger of infection through illness in the college dormitories is thus minimized.

Library, Laboratories, and Other Academic Facilities

The Library

THE HAVERFORD COLLEGE LIBRARY illustrates the steady growth of the College in facilities for study and research. The original building, constructed in 1860, now forms the north wing of the Library. To this first structure four successive additions have been made. The last two of these, a commodious Stack and a Treasure Room, were dedicated in April, 1941.

The Haverford Library collection now contains about 180,000 volumes. Over four hundred literary and scientific periodicals are taken. Library endowments provide six thousand dollars yearly for the purchase of books. The Library is also a depository of government publications.

With the exception of certain rare books, all volumes in the Library are freely accessible to readers. Though designed especially for the use of officers and students of the College, the Library affords to others the privilege of consulting and, under certain restrictions, of withdrawing books. The Library is open on week-days from 8:00 A. M. to 11:00 P. M., and on Sundays from 1:30 to 11:00 P. M. Special hours are arranged for vacation periods.

THE GUMMERE-MORLEY MEMORIAL READING ROOM, decorated and equipped by the Class of 1892, provides a special reading and browsing room for Haverford students.

THE TREASURE ROOM contains the rare books and special collections and has facilities for the display of both permanent and temporary exhibitions.

Special Collections

THE QUAKER COLLECTION, containing both books and manuscripts, is probably the most complete in America. It forms a central repository for Friends' literature in this country, and makes Haverford a prime source for the study of the Society of Friends.

THE WILLIAM H. JENKS COLLECTION OF FRIENDS' TRACTS, mostly of the seventeenth century, numbers about fifteen hundred separately bound titles.

THE RUFUS M. JONES COLLECTION ON MYSTICISM contains almost a thousand books and pamphlets from the fifteenth century to the present day.

THE TOBIAS COLLECTION OF THE WRITINGS OF RUFUS M. JONES is practically complete. It consists of 168 separate volumes and 16 boxes of pamphlets and extracts.

THE CHARLES ROBERTS AUTOGRAPH COLLECTION contains more than 20,000 items, embracing not only autograph letters of authors, statesmen, scientists, ecclesiastics, monarchs, and others, but also several series of valuable papers on religious and political history.

THE CHRISTOPHER MORLEY COLLECTION OF AUTOGRAPH LETTERS comprises about 200 letters and memoranda selected by Mr. Morley from his correspondence files. Over one hundred authors are represented.

THE FRANCIS B. GUMMERE MEMORIAL COLLECTION OF SHAKESPEARE FOLIOS was presented to the Library in 1947 by William P. Philips, '02.

THE HARRIS COLLECTION OF ANCIENT AND ORIENTAL MANUSCRIPTS contains over sixty Hebrew, Greek, Latin, Arabic, Syriac, and Ethiopian rolls and codices collected by J. Rendel Harris.

Affiliations

Haverford maintains a cooperative arrangement with Bryn Mawr and Swarthmore whereby the facilities of the libraries of all three colleges are open to the faculty and students of each of the colleges.

THE PHILADELPHIA BIBLIOGRAPHICAL CENTER AND UNION LIBRARY CATALOG, the largest cooperative catalog in America, enables users of the Haverford Library to locate books in over one hundred and fifty libraries of the Philadelphia region. The Haverford Library is also a member of THE PHILADELPHIA METROPOLITAN LIBRARY COUNCIL.

THE LIBRARY ASSOCIATES is an organization of graduates and friends of the College, devoted to increasing the usefulness of the Library. It serves to bring the facilities of the Library to a wider notice and to

make them available to the whole Haverford community; to encourage the making of gifts to the Library; and to aid in the use of the Library for exhibition purposes. Enquiries should be addressed to The Library, Haverford College.

Scientific Laboratories

THE WILLIAM J. STRAWBRIDGE MEMORIAL OBSERVATORY is equipped with three equatorially mounted telescopes; a 10-inch and two 4½-inch refractors, and a 6-inch reflector; a reflecting telescope with 8-inch mirror and altazimuth mounting; a meridian circle telescope of 3¾-inch aperture; a zenith telescope of 2¼-inch aperture; a spectrohelioscope; an astrographic mounting provided with two 4-inch Ross lenses and a 4-inch guiding telescope; two sidereal clocks; a chronograph by Bond; and other instruments. The astronomical library is housed in the Observatory.

THE LYMAN BEECHER HALL CHEMISTRY LABORATORY is a three-story structure with working space in the various laboratories for about two hundred and fifty students. Separate laboratories are available for general chemistry and qualitative analysis, quantitative analysis, organic chemistry, qualitative organic analysis and organic synthesis, semimicro quantitative analysis, and physical chemistry, respectively. In addition, two rooms are devoted to the needs of research students. The building is furnished with water, gas, compressed air, and alternating current electricity, and is provided with an excellent system of forced draft ventilation. The apparatus equipment is ample for the undergraduate courses. Books and periodicals dealing with chemical subjects are housed in a comfortably furnished library on the first floor which is open to the students.

THE HILLES LABORATORY OF APPLIED SCIENCE houses the Engineering Department. This modern building contains classrooms, drawing rooms, a departmental library, mechanical, electrical, and electronics laboratories.

Exceptional facilities for observing the practical side of the work are offered by the many manufacturing companies in and near Philadelphia and frequent inspection trips are made.

SHARPLESS HALL is occupied on the two lower floors by the Department of Physics. The laboratories include dark rooms, shops, and room for individual work. Through the gift of William P. Philips, '02, and

through other acquisitions, the department is equipped for advanced work in electronics and x-rays.

The upper floors house the Biology and Psychology laboratories.

Natural History Collections

THE NATURAL HISTORY COLLECTIONS, presented to the College by a considerable number of interested friends, are displayed in Sharpless Hall through a gift of the Class of 1915.

Archaeological Collection

THE BETH SHEMESH MUSEUM on the third floor of Sharpless Hall exhibits the archaeological finds made by the late Professor Elihu Grant during a series of five field excavations at the site of that name in Palestine. These materials reveal the life of a typical Near East community in the many aspects of its development and interplay with other peoples over a span of 2000 years. Thus, the collections provide a laboratory for study of the cultural cross-currents which met in Palestine during one of the great formative periods of civilization.

Art Collection

A permanent art collection, including paintings and drawings by Homer, Inness, Pintorricchio, Sargent, Turner, and Whistler, is displayed in the Library.

Temporary exhibitions of paintings, drawings, and photographs are held from time to time at the College.

Framed reproductions of outstanding paintings are available for loan to students at the beginning of each semester.

Music Collection

In addition to a considerable collection of musical scores and books in the general Library, the special equipment of the Music Department consists of several pianos and a collection of scores, books, and phonograph records presented in 1933 by the Carnegie Corporation. This collection has been amplified by yearly accessions, and now numbers close to 1600 records. A large part of this collection is available to students at stated hours in a special listening room.

THE ALFRED PERCIVAL SMITH ROOMS in the Haverford Union are reserved for music study. There is a larger room with a Steinway Grand

for the holding of classes and informal concerts organized by the Music Department, and a small library in which valuable books, scores and records are kept.

The large concerts are held in Roberts Hall where a concert piano and a Hammond organ are at the disposal of artists.

Campus

THE ARBORETUM AND THE WOOLMAN WALK, the latter the gift of Mr. Edward Woolman, '93, contain a wide variety of woody plants, both indigenous and exotic, thus permitting direct observation and study by students of the natural sciences.

THE MARY NEWLIN SMITH MEMORIAL GARDEN which adjoins the south side of the Library, while primarily developed as a decorative feature, contains a wealth of flowering shrubs of interest to the botanist.

The Bucky Foundation

THE BUCKY FOUNDATION, which has as its goal the promotion of a spiritually grounded political and economic order, and the training of responsible students for such an order, maintains an office at the College.

Income from the Foundation has been used to sponsor a Constructive Citizenship program and for the training of students through the Relief and Reconstruction Unit. It is being used to support Haverford participation in a program of week-end work camps.

Fellowships, Prizes, and Honors

Fellowships

THE CLEMENTINE COPE FELLOWSHIP was established in 1899. The income is applied to "assisting worthy and promising graduates of Haverford College in continuing their studies at Haverford or at some other institute, in this country or abroad, approved by the Board of Managers. Candidates shall be nominated by the College Faculty to the Board of Managers."

The Faculty will nominate to the Board of Managers a First Cope Fellow whose stipend shall be \$1,000.00, and a Second Cope Fellow whose stipend, not in excess of \$500.00, will be determined by the Board.

THE CATHERWOOD FOUNDATION FELLOWSHIP in the sum of \$1,000.00 is to be awarded to a member of the Senior class for study during the academic year 1950-1951 in an approved graduate or professional school. This award is to be made on the basis of merit rather than of financial need. Consideration will be given to those qualities of distinction in character and intellect which indicate promise of outstanding achievement.

Applications for a Clementine Cope Fellowship or the Catherwood Foundation Fellowship must be in the hands of the President before March 1, accompanied by whatever statement of extra-curricular activities the candidate considers relevant.

GRADUATE FELLOWSHIPS.—For information regarding graduate fellowships, see page 43.

Prizes

All material submitted in competition for prizes should be deposited with the Registrar, under assumed name, with a sealed envelope containing the writer's real name, before May 1.

All prizes awarded in books are marked with appropriate bookplates. As soon as possible after the award a list of standard books, from which selection is to be made, should be submitted for approval to the head of the department awarding the prize. Books selected from the approved list may then be ordered through the College Business Office. The College grants an average discount of ten per cent on prize books, and supplies the bookplates.

ALUMNI PRIZE FOR COMPOSITION AND ORATORY.—A prize of \$50 was established by the Alumni Association in 1875 to be awarded annually for excellence in composition and oratory. Competition is open to Freshmen and Sophomores, but the same man may not receive the prize twice.

JOHN B. GARRETT PRIZES FOR SYSTEMATIC READING.—A first prize of \$50 and a second prize of \$25 will be given at the end of the Junior or Senior year to the two students who, besides creditably pursuing their regular course of study, shall have carried on the most profitable program of reading in a comprehensive topic during at least two years of their college career.

The administration of these prizes is in the hands of the Committee on Fellowships and Prizes, with which the candidate shall register and which shall approve the subject chosen. The Committee will then recommend the candidate to the department or departments to which he should apply for counsel and guidance. A written or oral examination will be arranged in the final year to determine the scope and quality of the reading.

The winners will be determined by the Committee after consultation with the departments concerned. Either or both of these prizes may be omitted if, in the judgment of the Committee, the work does not justify an award.

THE CLASS OF 1896 PRIZES IN LATIN AND MATHEMATICS.—Two prizes of \$10 each, in books, to be known as "The Class of 1896 Prizes in Latin and Mathematics," were established by the bequest of Paul D. I. Maier of the Class of 1896. They are awarded at the end of the Sophomore year to the students who have done the best work for two years in the Departments concerned.

THE LYMAN BEECHER HALL PRIZE IN CHEMISTRY.—A prize of \$100 was established by the Class of 1898 on the twenty-fifth anniversary of its graduation in honor of Lyman Beecher Hall, Professor of Chemistry at Haverford College from 1880 to 1917.

This prize may be awarded to a student who has attained a high degree of proficiency in Chemistry and who shows promise of contributing substantially to the advancement of that science. It may be awarded to a Junior, to a Senior, or to a graduate of Haverford College within three years after graduation. It may be awarded more than once to the same student, or it may be withheld.

THE CLASS OF 1902 PRIZE IN LATIN.—A prize of \$10 in books is offered annually by the Class of 1902 to the Freshman whose work in Latin, in recitation and examinations combined, shall be the most satisfactory. At the discretion of the professor in charge of the Department, this prize may be omitted in any year.

THE DEPARTMENT PRIZES IN MATHEMATICS.—A first prize of \$15 and a second prize of \$10 are awarded on the basis of a three hour examination on selected topics in Freshman Mathematics. The examination is held annually on the first Monday after the Spring Recess, and is open to Freshmen only.

THE ELLISTON P. MORRIS PRIZE.—A prize of \$40, open to all undergraduates and to graduates of not more than three years' standing, is offered annually for the best essay bearing on the general problem of "International Peace and the Means of Securing It."

THE ELIZABETH P. SMITH PRIZE.—A prize of \$40 is offered each year to the undergraduate who presents the best essay on international peace.

No prize will be awarded unless a high standard of merit is attained. Essays should be deposited with the Registrar before May 1. The judges shall be appointed by the President of the College.

For the 1949-50 competition the following subjects are offered:

1. The Possibilities and Conditions of International Peace in a World of Divergent Ideologies.
2. An Evaluation of Ghandi's Contribution to the Cause of International Peace.
3. Current Problems of Race and their Bearing upon International Peace.
4. The National and International Work Camp and its Significance as a Factor in Education for International Peace.

PRIZES IN PHILOSOPHY AND BIBLICAL LITERATURE.—A prize of \$40 and a second prize of \$25, in books, are offered annually to any student who, in the judgment of the professor in charge, does the most satisfactory outside reading in Philosophy in connection with the courses in that Department.

A prize of \$40 and a second prize of \$25, in books, are offered annually to any student who, in the judgment of the professor in charge, does the most satisfactory reading on the Bible and related subjects.

THE SCHOLARSHIP IMPROVEMENT PRIZES.—A first prize of \$50 and a second prize of \$45 are awarded at the end of the Senior year to the two students who, in the opinion of the judges appointed by the President of the College, show the most steady and marked improvement in scholarship during their college course.

THE CLASS OF 1910 POETRY PRIZES.—A first prize of \$15 and a second prize of \$10 are awarded for the best verse written by a Haverford undergraduate during the year. Typewritten manuscript, under an assumed name, should be deposited with the Registrar before May 1. The judges shall be appointed by the President of the College.

THE FOUNDERS CLUB PRIZE.—A prize of \$25 is offered and awarded annually by the Founders Club to the Freshman who is judged to have shown the best attitude toward college activities and scholastic work.

THE S. P. LIPPINCOTT PRIZE IN HISTORY.—A prize of \$100 is offered annually for competition in the Department of History under the following general provisions:

First—The prize may be withheld in any year, if the conditions listed below are not met by any of the competitors to the satisfaction of a majority of the judges.

Second—The prize shall not be awarded twice to the same student.

Third—Competition is open to Sophomores, Juniors, and Seniors who have taken or are taking work in the Department of History.

Conditions

In competition for this prize an essay of not less than 5,000 words shall be submitted as evidence of scholarly ability in the collection and presentation of historical material, treating a subject selected from a list announced by the Department of History before November 15. The essay should contain references in footnotes to the authorities consulted and a bibliography of works cited.

The essay shall be typewritten and deposited, under an assumed name, with the Registrar before May 1.

For the 1949-50 competition the following subjects are offered:

1. Italian Nationalism and the Movement for Unification, 1848-1870.
2. Parliamentary Reform in Great Britain, 1832-1885.

3. Reactions of European Observers to the American Democratic Experiment, 1783-1845.
4. The Policy of the United States Toward Colonialism, from 1898 to the Present.

THE NEWTON PRIZE IN ENGLISH LITERATURE.—A prize of \$50 established by A. E. Newton may be awarded annually on the basis of Final Honors in English, provided that the work of the leading candidate, in the judgment of the English Department, merits this award.

THE WILLIAM ELLIS SCULL PRIZE.—A prize of \$50 established in 1929 by William Ellis Scull, '83, is awarded annually to the upperclassman who shall have shown "the greatest achievement in voice and in the articulation of the English language."

THE GEORGE PEIRCE PRIZE IN CHEMISTRY OR MATHEMATICS.—A prize of \$50 in memory of Dr. George Peirce, '03, is offered annually to a student of Chemistry or Mathematics "who has shown marked proficiency in either or both of these studies and who intends to follow a profession which calls for such preparation. Preference is to be given to a student who has elected organic chemistry, and failing such a student, to one who has elected Mathematics or some branch of Chemistry other than organic. Should there be two students of equal promise, the one who is proficient in Greek shall be given preference." The prize is offered, however, exclusively for students who have expressed the intention of engaging in research.

THE MUSIC PRIZE.—A prize of \$25 is offered by an anonymous donor to that student at Haverford College who submits by May 1, 1950 to the Committee on Fellowships and Prizes the best original written musical composition. Competitors must receive no aid from any member of the music faculty or from a professional musician. The prize will not be awarded unless at least a total of five competing compositions are submitted. The award will be made by a special committee who will judge the music from the standpoint of its originality as an artistic expression and its composer's mastery of musical materials.

Honor Societies

PHI BETA KAPPA.—The Haverford College Chapter of the Phi Beta Kappa Society of America was chartered in 1898 as Zeta of Pennsylvania. Election of members-in-course, alumni members, and Honorary

members, based upon scholarly attainment and distinction, takes place at the end of the academic year. *President*: Gaylord P. Harnwell, '24; *Secretary*: Legh W. Reid, Hon. '04.

FOUNDERS CLUB.—The Founders Club was established in 1914 as a Haverford organization of students, alumni, and faculty. Election to its membership is recognition of a sound academic record combined with noteworthy participation in extra-curricular activities. Undergraduate elections are usually limited to the Junior and Senior classes. *President*: John A. Zapp, '32; *Secretary*: George E. Ruff, '49.

Honors

Honors are awarded for excellence in the studies of single departments. They are never given merely for performance of routine work in courses; a considerable amount of extra work is demanded in every case.

Honors are of three kinds: *Honorable Mention*, *Preliminary Honors*, and *Final Honors*.

Honorable Mention will be awarded at the end of the Freshman or Sophomore years for work in a single course meeting at least two hours per week throughout the year,* and additional work to the total amount of not less than 75 hours. Candidates for Honorable Mention must obtain a minimum grade of 85 in the regular work of the course and creditably pass an examination on the additional work required. Two courses of one semester each in the same department may be construed as a single course.

A Freshman who has received the prescribed grade in the regular work of a course required for Honorable Mention, but who has not done the additional work required in connection with that course, may do so, with the consent of the professor in charge, during the Sophomore year.

Preliminary Honors will be awarded at the end of the Sophomore or Junior year for work in not less than four semester courses in a single department, and additional work to the total amount of not less than 150 hours. Candidates for Preliminary Honors must obtain a minimum average grade of 85 in the courses required for such honors

* Honorable mention is awarded in Freshman English in connection with the work of English 12.

(including a grade satisfactory to the Department in the courses taken in the Sophomore or Junior year), and must creditably pass examinations on the additional work required.

Final Honors are graded as Honors, High Honors, or Highest Honors. They will be awarded upon graduation only to students whose work in a Major field of concentration has been done with marked distinction and has been more profound or more extensive in its scope than the minimum required. The award of Honors is at the discretion of the Major Department, but the award of High or Highest Honors is to be made by vote of the Faculty upon recommendation of a department or group of related departments. In order to receive High or Highest Honors, the student will usually be given a public oral examination, and for Highest Honors the verdict of an outside examiner may be obtained if deemed desirable. The various departments and divisions will adopt such specifications for Final Honors as they see fit.

At the time of the award of Honors, one-half of one per cent for each award of Honorable Mention or Preliminary Honors shall be added to each recipient's general average for the year. Honors, High Honors, and Highest Honors shall automatically add one, two, and three points, respectively, to the average for the Senior year of each student receiving one of these awards.

General Alumni Association of Haverford College

President

ROBERT A. LOCKE, '14
Room 1207, Land Title Building
Broad and Chestnut Sts., Philadelphia 10, Pa.

1st Vice-President

ROBERT B. MATZKE, '22
Electric Storage Battery Co.
19th and Allegheny Ave., Philadelphia, Pa.

2nd Vice-President

JOHN PHILLIPS, '10
1317 House Office Bldg., Washington, D. C.

3rd Vice-President

GEOFFROY BILLO, '25
30 Broad St., New York, N. Y.

Executive Secretary

BENNETT S. COOPER, '18
Haverford College, Haverford, Pa.

Treasurer

WALTER C. BAKER, '32
Girard Trust Co., Philadelphia 2, Pa.

HAVERFORD CLUB OF PHILADELPHIA Meridian Club

Chancellor and Camac Sts., Philadelphia, Pa.

- President*.....T. BARCLAY WHITSON, '17
James G. Biddle Co., 1316 Arch St., Philadelphia 7, Pa.
- Vice-President*.....ROBERT A. LOCKE, '14
Land Title Bldg., Philadelphia 10, Pa.
- Secretary*.....ERNEST N. VOTAW, '15
c/o U. S. Dept. Labor, 1216 Widener Bldg., Philadelphia 7, Pa.
- Treasurer*.....JOHN C. LOBER, '27
1500 Walnut St., Philadelphia 2, Pa.

NEW YORK HAVERFORD SOCIETY

- President*.....DAVID C. BEVAN, '29
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- Vice-President*.....RICHARD S. BOWMAN, '38
157 E. 30th St., New York 16, N. Y.
- Secretary*.....SAMUEL C. WITHERS, JR., '39
169 Nelson Rd., Scarsdale, N. Y.
- Treasurer*.....JOHN C. MARSH, '43
277 Madison Ave., New York, N. Y.

HAVERFORD SOCIETY OF MARYLAND

- President*.....GILBERT HENRY MOORE, '17
1125 N. Calvert St., Baltimore 2, Md.
- Vice-President*.....JOSEPH M. BEATTY, JR., '13
308 Thornhill Rd., Baltimore 12, Md.
- Secretary*.....JAMES H. BREADY, '39
5115 Whiteford Ave., Baltimore 12, Md.
- Treasurer*.....JOHN T. SHARKEY, '40
2409 W. Lanvale St., Baltimore 16, Md.
- Ass't Secretary*.....L. PAUL BOLGIANO, JR., '44
Cambridge Arms Apts., Baltimore 18, Md.

PITTSBURGH ALUMNI ASSOCIATION OF HAVERFORD COLLEGE

- President*.....WILLARD E. MEAD, '26
5800 Walnut St., Pittsburgh 6, Pa.
- Secretary*.....J. STANTON CARSON, '24
625 Frick Bldg., Pittsburgh 19, Pa.

HAVERFORD SOCIETY OF WASHINGTON

President JOHN PHILLIPS, '10
1317 House Office Bldg., Washington, D. C.

HAVERFORD SOCIETY OF CHICAGO

President THOMAS FANSLER, '21
National Safety Council, 20 N. Wacker Dr., Chicago 6, Ill.

HAVERFORD SOCIETY OF NEW ENGLAND

President FRANK M. ESHLEMAN, '00
40 Broad St., Rm. 600, Boston, Mass.

Secretary-Treasurer ELLIOT W. BROWN, '21
401 Summer St., Boston, Mass.

HAVERFORD SOCIETY OF WILMINGTON

President CHARLES WARNER, JR., '23
708 Blackshire Rd., Wilmington, Del.

Secretary JOSEPH RHOADS, JR., '32
1105 N. Franklin St., Wilmington, Del.

HAVERFORD SOCIETY OF LOS ANGELES

Chairman DALE B. RIDE, '47
840 - 22nd St., Santa Monica, Calif.

HAVERFORD SOCIETY OF NORTHERN CALIFORNIA

President RICHARD WISTAR, '28
Mills College, Oakland 13, Cal.

HAVERFORD SOCIETY OF ALLENTOWN

President.....HENRY H. FETTERMAN, M.D., '45
2608 Tilghman Street, Allentown, Pa.

Secretary.....DAVID K. SPELT, '30
1505½ Chew Street, Allentown, Pa.

HAVERFORD SOCIETY OF ST. LOUIS

Chairman.....ROBERT W. STARR III, '42
A. S. Aloe Co., 19th and Olive Sts., St. Louis 3, Mo.

HAVERFORD SOCIETY OF LANCASTER

Chairman.....BARTON K. FEROE, '45
Foltz-Wessinger, Inc., 120 N. Shippen St., Lancaster, Pa.

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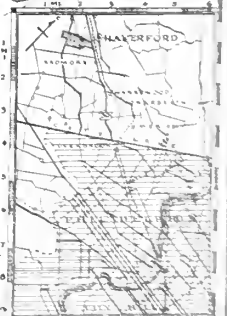
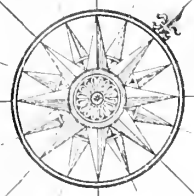
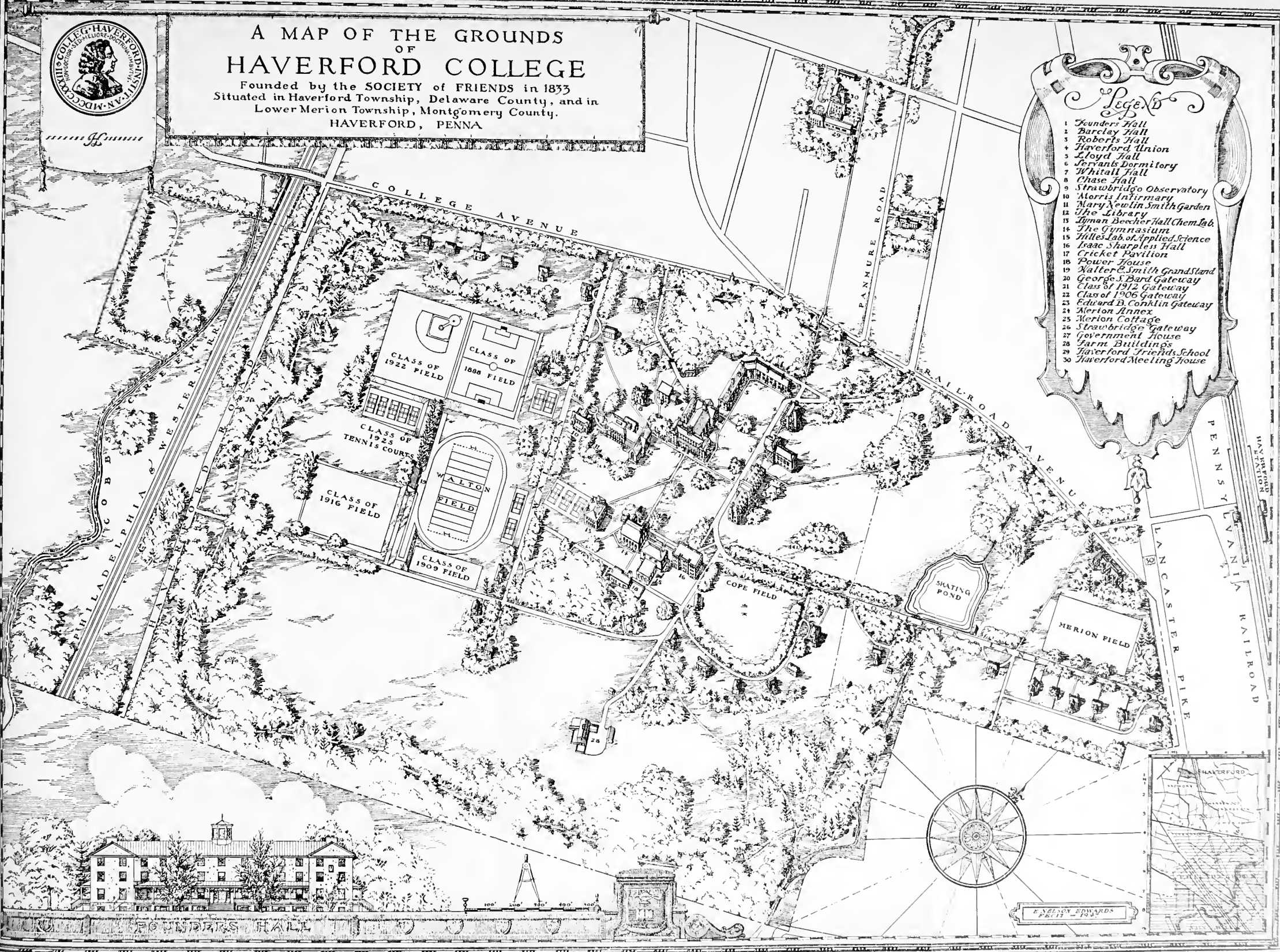


A MAP OF THE GROUNDS OF HAVERFORD COLLEGE

Founded by the SOCIETY of FRIENDS in 1833
Sited in Haverford Township, Delaware County, and in
Lower Merion Township, Montgomery County,
HAVERFORD, PENNA.

Legend

- 1 Founders Hall
- 2 Barclay Hall
- 3 Roberts Hall
- 4 Haverford Union
- 5 Lloyd Hall
- 6 Servants Dormitory
- 7 Whitall Hall
- 8 Chase Hall
- 9 Strawberry Observatory
- 10 Morris Infirmary
- 11 Mary Newlin Smith Garden
- 12 The Library
- 13 Lyman Beecher Hall Chem Lab
- 14 The Gymnasium
- 15 Tilles Lab of Applied Science
- 16 Isaac Sharpless Hall
- 17 Cricket Pavilion
- 18 Power House
- 19 Walter C. Smith Grand Stand
- 20 George S. Bard Gateway
- 21 Class of 1912 Gateway
- 22 Class of 1906 Gateway
- 23 Edward B. Conklin Gateway
- 24 Alerton Annex
- 25 Merion Cottage
- 26 Strawberry Gateway
- 27 Government House
- 28 Farm Buildings
- 29 Haverford Friends School
- 30 Haverford Meeting House

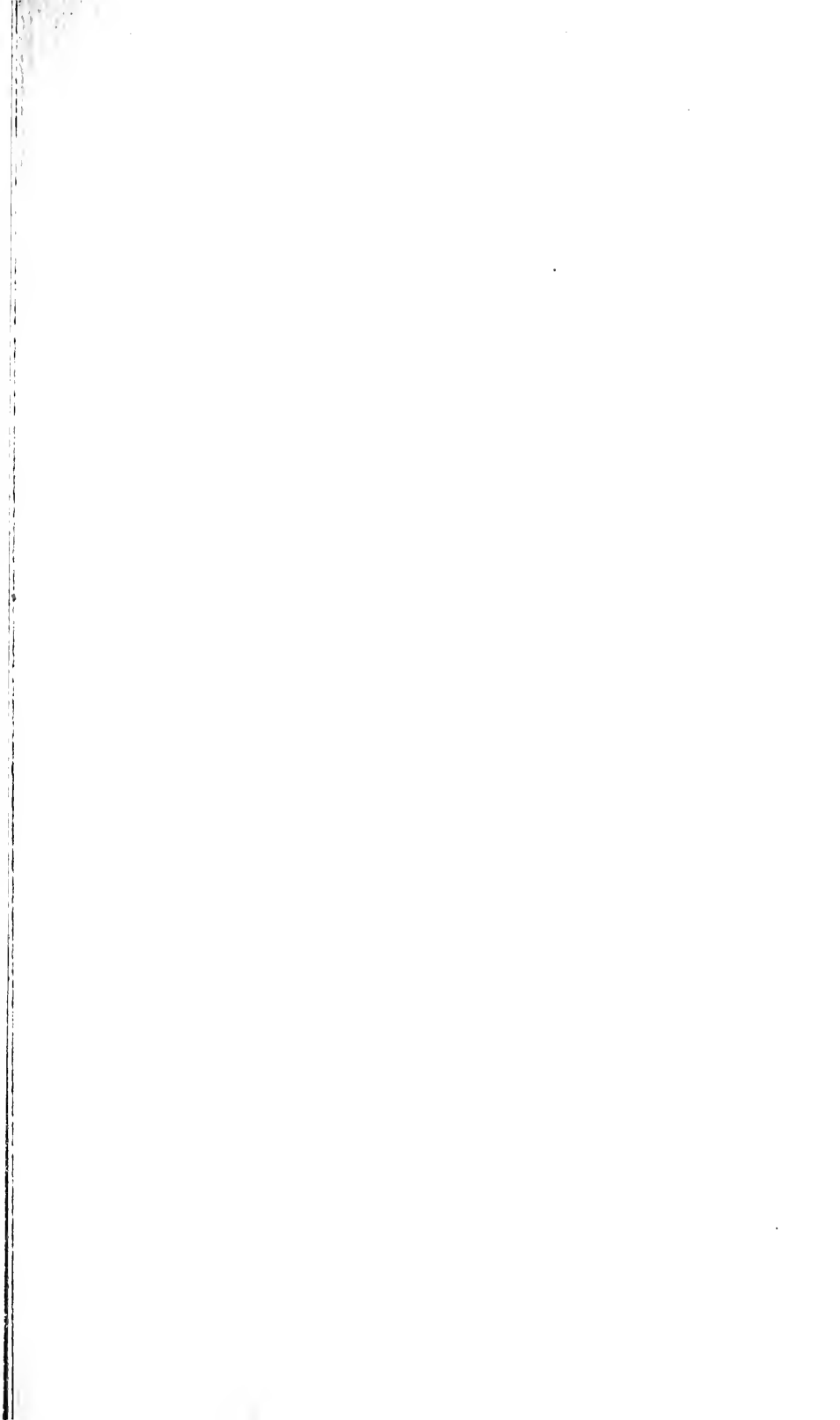


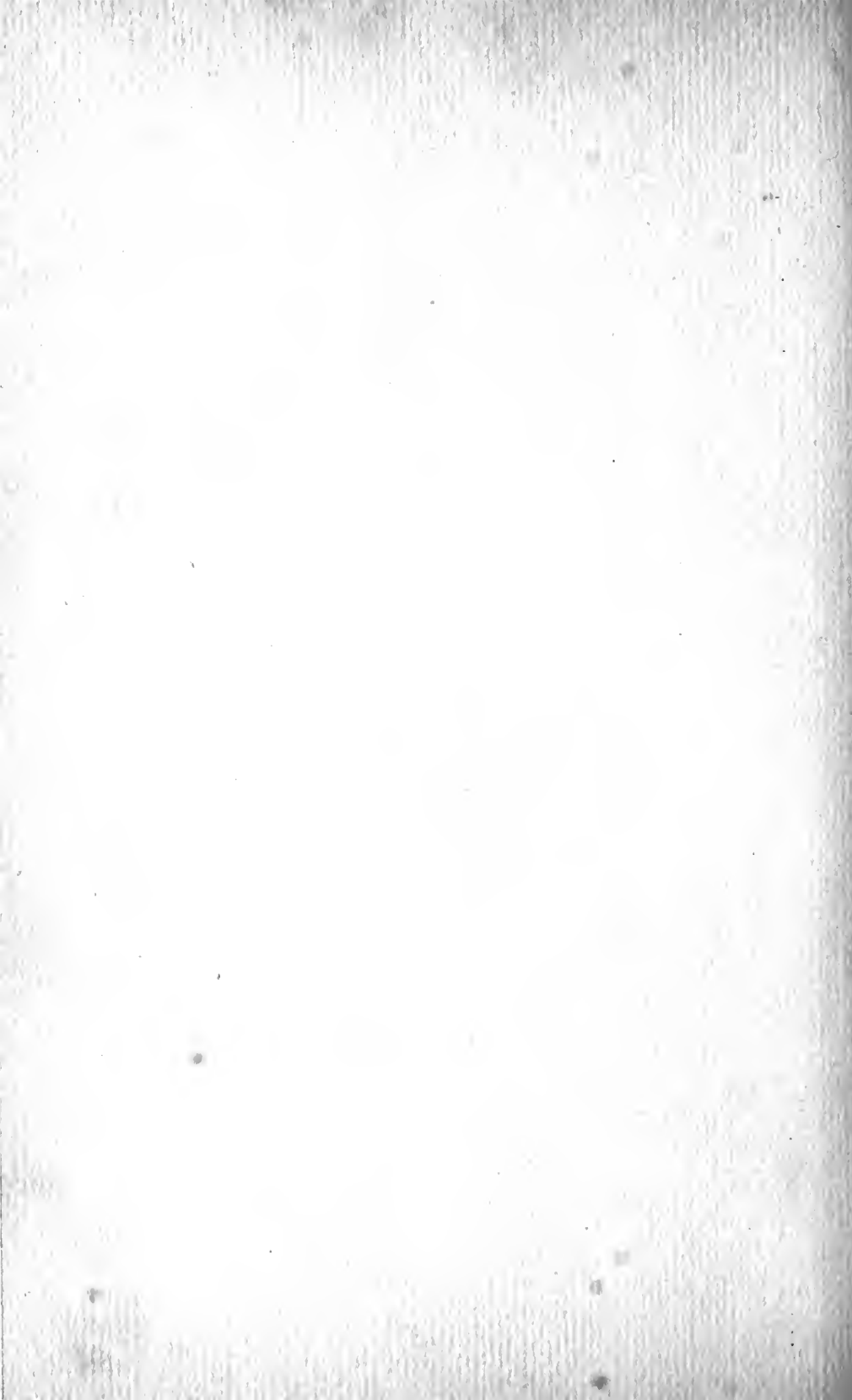
E. VESSEY EDWARDS
PHILADELPHIA



FOUNDERS HALL







Haverford College Bulletin



Directory

VOLUME XLVIII

NUMBER TWO

October, 1949

1949

		S	M	T	W	T	F	S			S	M	T	W	T	F	S
Sept.						1	2	3	Nov.				1	2	3	4	5
		4	5	6	7	8	9	10			6	7	8	9	10	11	12
		11	12	13	14	15	16	17			13	14	15	16	17	18	19
		18	19	20	21	22	23	24			20	21	22	23	24	25	26
		25	26	27	28	29	30				27	28	29	30			
Oct.								1	Dec.						1	2	3
		2	3	4	5	6	7	8			4	5	6	7	8	9	10
		9	10	11	12	13	14	15			11	12	13	14	15	16	17
		16	17	18	19	20	21	22			18	19	20	21	22	23	24
		23	24	25	26	27	28	29			25	26	27	28	29	30	31
		30	31														

1950

		S	M	T	W	T	F	S			S	M	T	W	T	F	S
Jan.		1	2	3	4	5	6	7	April								
		8	9	10	11	12	13	14			2	3	4	5	6	7	8
		15	16	17	18	19	20	21			9	10	11	12	13	14	15
		22	23	24	25	26	27	28			16	17	18	19	20	21	22
		29	30	31							23	24	25	26	27	28	29
Feb.					1	2	3	4	May		1	2	3	4	5	6	
		5	6	7	8	9	10	11			7	8	9	10	11	12	13
		12	13	14	15	16	17	18			14	15	16	17	18	19	20
		19	20	21	22	23	24	25			21	22	23	24	25	26	27
		26	27	28							28	29	30	31			
March					1	2	3	4	June						1	2	3
		5	6	7	8	9	10	11			4	5	6	7	8	9	10
		12	13	14	15	16	17	18			11	12	13	14	15	16	17
		19	20	21	22	23	24	25			18	19	20	21	22	23	24
		26	27	28	29	30	31				25	26	27	28	29	30	

College Days in heavy-face type.

Calendar

1949-50

Registration of all new students.....	September 19-20
Beginning of College year with Assembly, 9 a.m. ; registration of returning students.....	September 21
First semester classes begin, 8 a.m.....	September 22
First quarter ends	November 12
Thanksgiving recess (dates inclusive).....	1 p.m. November 23-27
Major Registration Cards for men in the fourth term must be filed by	4 p.m. December 7
Christmas recess (dates inclusive).....	12 noon December 17-January 2
First semester classes end for students taking comprehensives.....	January 14
Senior comprehensive examinations (dates inclusive).....	January 18-21
First semester classes end.....	January 19
All papers assigned must be turned in by 4 p.m.*	
Mid-year examinations (dates inclusive)**.....	January 23-February 4
Second semester classes begin, 8 a. m.....	February 6
Applications for fellowships for the following year must be filed by.....	March 1
Third quarter ends	March 25
Spring recess (dates inclusive).....	12 noon March 25-April 2
Major Registration Cards for men in the fourth term must be filed by	4 p.m. April 19
Manuscripts in competition for prizes must be filed by.....	4 p.m. May 1
Second semester classes end for students taking comprehensives.....	May 17
Senior comprehensive examinations (dates inclusive).....	May 22-25
Second semester classes end.....	May 23
All papers assigned must be turned in by 4 p.m.*	
Final examinations (dates inclusive)**.....	May 26-June 9
Commencement	June 10

*Late papers will receive no credit unless arrangements have been made *in advance* with the instructor in the course and the Dean.

**Laboratory notebooks must be turned in not later than the scheduled time of the examination in the course. Late notebooks will receive no credit unless arrangements have been made *in advance* with the instructor in the course and the Dean. In courses which have no scheduled examination, notebooks must be turned in by 4 o'clock on the fourth day preceding the end of the examination period.

STUDENT ACTIVITIES CALENDAR
1949-50

September	23	Freshman Reception in Common Room
October	1	Dance (Bryn Mawr)
	8	I. F. O. Square Dance
	12	Soccer: Temple (home)
	14	Goethe Festival (Philadelphia)
	15	" " "
	15	Football: Drexel (home)
	15	Home-coming Day
	15	Soccer: Lafayette (home)
	15	Band Dance
	19	Founders Club Freshman Reception
	22	I. R. C. Dance
	26	Goethe Festival (Philadelphia)
	29	Swarthmore Dance
	29	Football: Juniata (home)
	29	Sub-Freshman Day
November	2	Campus Day
	5	Football: P. M. C. (home)
	5	Soccer: Ursinus (home)
	5	I. R. C. Dance
	10	Cap & Bells (Bryn Mawr)
	11	" " "
	12	" " "
	12	Football: Susquehanna (home)
	12	Soccer: Drexel (home)
	12	Dance (Bryn Mawr)
	18	Soccer: Swarthmore (home)
	19	Football: Swarthmore (away)
	19	Varsity Club Dance
	22	Athletic Collection
December	2	Dance (Bryn Mawr)
	8	Cap & Bells (home)
	9	" " "
	10	" " "
	11	Glee Club (Bryn Mawr)
	15	Christmas Party
	16	Basketball: Pharmacy (home)
January	7	Basketball: Ursinus (home)
	11	Basketball: Delaware (home)
	13	Playwrights' Night (Bryn Mawr)
	14	" " "
	18	Basketball: Drexel (home)
February	15	Basketball: Swarthmore (away)
	17	Freshman Show (Bryn Mawr)
	18	" " "
	18	Dance (Bryn Mawr)
	24	Wrestling: Swarthmore (home)
	24	Concert - Glee Club (Bryn Mawr)
	25	Basketball: Swarthmore (home)
March	3	Concert - Orchestra-Glee Club (home)
	4	Class Athletic Day
	10	Class Night
	11	Junior Prom
	14	Athletic Collection
	16	Cap & Bells (Bryn Mawr)
	17	" " "
	18	" " "
	24	Dance (Bryn Mawr)
April	6	Alumni-Senior Dinner
	15	Concert - Glee Club (home)
	15	Junior Prom (Bryn Mawr)
	22	Spring Concert - Glee Club (home)
	29	Senior Prom
May	4	Spring Play - Cap & Bells
	5	" " " "
	5	Annual Meeting - Cap & Bells
	6	Spring Play - Cap & Bells
	6	Spring Day - Faculty Tea
	6	Track: Swarthmore (home)
	12	Concert - Bach Festival (home)
	12	Golf: Swarthmore (away)
	13	Baseball: Swarthmore (away)
	13	Tennis: Swarthmore (home)
	13	Varsity Club Dinner - Undergraduate

THERE WILL BE NO ADDITIONS OR POSTPONEMENTS WITHOUT
PRIOR ARRANGEMENTS WITH THE COMMITTEE

ACADEMIC YEAR 1949 - 1950

DIRECTORY

FACULTY AND STAFF

Name	Residence	Telephone	Office
	Haverford, unless otherwise noted	Ardmore, unless otherwise noted	
(B.M.=Bryn Mawr, H.C.=Haverford College)			
Allendoerfer, Carl B.*	750 Rugby Rd., B.M.	B.M. 2568-J	Founders, Center West
Asensio, Manuel J.	500 Oakley Road	4163	Williams House
Asensio, Elisa	500 Oakley Road	4163	
Ashmead, John, Jr.	46 Righter's Mill Rd. Penn Valley, Narberth	1648-J	Whitall 14
Barrie, Alice J.	Waterloo Road, Devon	Wayne 1287	Roberts, 2nd floor
Beard, Mabel S.	Infirmery, H. C.	3036	Infirmery
Beatty, Ethel E.	Founders, H. C.	9460	Founders
Benfey, O. Theodor	774 Millbrook Lane	7995-R	Chem. Lab.
Benham, Thomas A.	3 College Lane	6044	Sharpless 101
Bernheimer, Richard M.	225 N. Roberts Rd., B.M.	B.M. 1427-W	B.M. College
Berry, Alice M.	Lincoln Highway, Berwyn	Ber. 0225	Roberts, 2nd floor
Bramall, Norman	260 Margate Road, Upper Darby	Blvd. 5398-M	Gymnasium
Bramall, Raymond	554 Broadview Road Beverly Hills	Blvd. 5581	Gymnasium
Cadbury, William E., Jr.	791 College Avenue	0203-W	Chem. Lab.
Carr, Edytha M.	120 Bala Avenue Bala-Cynwyd	Cynwyd 4738-W	Roberts, 1st floor
Caselli, Aldo	6 College Circle	5562	Whitall
Comfort, Forrest D.	108 Chestnut Ave. Narberth	Narberth 3717	
Comfort, Howard	5 College Circle	3732	Sharpless 301
Comfort, William W.	South Walton Road	0455	
Cooper, Bennett S.	521 Panmure Road	3254-M	Founders, East
Cross, Suzanne	Washington Lane, Jenkintown, Pa.	Ogontz 0454	Library
deGraaff, Frances	B.M. College	B.M. 9103	Library 50
Docherty, Patricia	773 College Avenue	0742-J	Barclay-Bookstore
Docherty, William, Jr.	773 College Avenue	0742-J	Gymnasium
Drake, Thomas E.	Clyde Rd., B.M.	B.M. 1534	Library, Treas.Rm.
Dunn, Emmett R.	748 Rugby Rd., B.M.	B.M. 2753	Sharpless 209
Evans, Arlington	653 E. Jamestown St., Phila.	Rox. 8-3876-J	Gymnasium
Flight, John W.	753 College Avenue	4409-W	Sharpless 303
Foss, Martin	1a College Lane	1599	Library 49
Goldberger, Else	Crum Creek Farm Newtown Square	Newtown Sq. 0342-W	Library
Gonoude, Anna May	Newtown Rd., Ithan	Wayne 1449-W	Library
Green, Louis C.	791 College Avenue	4409-J	Observatory
Gutwirth, Marcel M.	2 College Lane	8056-W	Library 38-39
Haddleton, Alfred W.	20 Tenmore Road	B.M. 1235-W	Gymnasium
Haviland, H. Field, Jr.	1 College Circle	7923-W	Library 45
Haworth, Lester C.	2 College Lane	6697	Founders
Headley, Lunetta	117 Plant Avenue	Wayne 3049-M	Library
Henry, Howard K.	1464 Drayton Lane Penn Wynne, Phila. 31	3913-J	Sharpless 201
Herndon, John G.	1 College Lane	0364	Hilles, 2nd fl.
Hetzel, Theodore B.	768 College Avenue	4393-W	Hilles, 2nd fl.
Hewitt, Anna B.	245 S. 38th St., Phila.	Ev. 6-4946	Library, Treas. Rm.
Hoag, Gilbert T.	Woodside Cottage, H.C.	1402-W	Roberts, 1st floor
Holmes, Clayton W.	720 Millbrook Lane	4269-W	Hilles, 1st floor
Hunter, Holland	746 Railroad Ave., B.M.	B.M. 2890-J	Library 42

<u>Name</u>	<u>Residence</u> Haverford, unless otherwise noted	<u>Telephone</u> Ardmore, unless otherwise noted	<u>Office</u>
	(B.M.=Bryn Mawr, H.C.=Haverford College)		
Jones, Thomas O.	Founders Hall, H.C.	6908-J	Chem. Lab.
Kelly, John A.	3 College Lane	4160	Whitall 11
Kipping, M. Patricia	Waterloo Rd. & Highland Ave., Devon	Wayne 3434	Whitall
Lanza, Phyllis	Woodside Cottage, H.C.	1402-W	Founders
Lester, John A.	36 Railroad Avenue	3168	Library, 1st floor
Lockwood, Dean P.	2 College Circle	6554-W	
Loescher, Frank S.	414 S. 46th St., Phila.	Sherwood 7-0277	Whitall 12
Lunt, William E.	5 College Lane	1507-W	Whitall 10
MacIntosh, Archibald	3 College Circle	0961	Roberts, 2nd floor
Marsh, Melissa	30 Tenmore Road	B.M. 2437	Founders, East
Meldrum, William B.	747 College Avenue	0881-J	Chem. Lab.
Moore, Maris	Haverford & Overhill Rds., Ardmore	3228	Roberts, 1st floor
Nellen, Lillian	214 Meeting House Lane, Merion	Cynwyd 7911	Whitall
Nichol, Archibald J.	323 E. Oakdale Ave., Glenside		Chase 7
Oakley, Cletus O.	Featherbed Lane	3109-W	Founders, East
Palmer, Frederic, Jr.	1 College Lane	6878	
Parker, Francis H.	R.F.D., Berwyn	Ber. 0752-W	Library 43
Pepinsky, Abraham**	7 College Lane	5324	Sharpless 108
Pund, Harry W.	624 Overhill Rd., Ardmore	5532	Whitall 8
Pitt, Carol V.L.	811 Old Lancaster Rd., Bryn Mawr	B.M. 0310	Roberts, 1st floor
Post, Amy L.	361 Lancaster Avenue	1643-M	Library
Post, L. Arnold	9 College Lane	0258-M	Library 51
Ralph, Esther	Conestoga Rd., Berwyn	Ber. 0248	Library
Randall, Roy E.	Coach House, H. C.	7818-W	Gymnasium
Rantz, J. Otto	2122 Chestnut Ave., Ardmore		
Reese, Ruth H.	205 Marlboro Rd., Ardmore	0360-M	Library
Reese, William H.	509 State Street, Lancaster	2-5834	
Reid, Ira DeA.	2 College Lane	8056-J	Whitall 12
Ricci, Rose	131 Poplar Avenue, Wayne	Wayne 2642	Whitall
Rittenhouse, Leon H.	6 College Lane	5522	
Roche, John P.	Apt. 6, 58 Drexelbrook Dr., Drexel Hill	Clearbrook 9-2010	Library 45
Rosenstock, Irwin M.	2321 Haverford Rd., Ardmore	6803-M	Sharpless 108
Rossi, Antoinette	Lincoln Hy., Paoli	Paoli 2278	Whitall
Sargent, Ralph M.	4 College Circle	3339	Whitall 7
Sanford, Fillmore H.	4 College Lane	8026-W	Sharpless 307
Schroeder, Seaton	418 St. Davids Road, St. Davids	Wayne 0224	Whitall
Snyder, Edward D.	36 Railroad Avenue	0712	Chase 3
Somers, Herman M.	521 Panmure Road	6769-W	Founders, West
Steer, Alfred G., Jr.	Mansion Apts., 51 Highland Ave., Lansdowne	Madison 3-6992	Library 44
Steere, Douglas V.	739 College Avenue	0162	Library 41
Stefan, Marie	4837 Cedar Ave., Phila.	Granite 2-2845	Whitall
Street, James H.	1 College Lane	8026-J	Chase 7
Sutton, Richard M.	785 College Avenue, facing Walton Road	0742-W	Sharpless 104
Swan, Alfred*	519 Walnut Lane, Swarthmore	Swarthmore 2847-W	Union, Music Rm.
Taylor, Dr. Herbert W.	457 Lancaster Avenue	2383	Infirmary
Teaf, Howard M., Jr.	3 College Lane	4049-J	Whitall 9
Thomsen, Donald L., Jr.	Merion Cricket Club	5800	Library 40

<u>Name</u>	<u>Residence</u> Haverford, unless otherwise noted	<u>Telephone</u> Ardmore, unless otherwise noted	<u>Office</u>
(B.M.=Bryn Mawr, H.C.=Haverford College)			
Veit, Gloria	1211 Dermond Rd., Drexel Hill	Hilltop 8478-J	Founders
Walker, Katherine J.	Beechwood Apts., Narberth	Narberth 5229-M	Whitall
Warren, Richard H.	Barrie Rd., Ardmore		Library 48
Watson, Frank D.	773 College Avenue	2937	
Weber, Nancy E.	7114 Hazel Ave., Upper Darby	Blvd. 1234	Observatory
White, Gilbert F.	1 College Circle	4642	Roberts,2nd floor
Wilson, Albert H.	765 College Avenue	1853	Founders, Center West
Wilson, Norman M.	49 Rittenhouse Pl.,Ardmore	4036	Hilles, Lab. Fl.
Wolf, Robert B.	9189 Germantown Ave., Phila.	Chestnut Hill 7-5602	Sharpless 307
Wonson, Gertrude M.	112 Mondela Ave., B.M.		Roberts,2nd floor
Wrenn, John H.	Spring Mill Road,Villa Nova	B.M. 3578-J	Chase 3
Wylie, Laurence W.	8 College Lane	7321	Library 38-39

*Indicates absence during second semester.

**Indicates absence during whole academic year.

COLLEGE OFFICE AND BUILDING TELEPHONES

All telephones below may be reached by calling Ardmore 6400
unless otherwise noted

Admissions Office (Roberts Hall):	
Archibald MacIntosh, Director of Admissions	
Gertrude M. Wonson, Assistant to the Director of Admissions	
Alumni Office (Founders Hall): Bennett S. Cooper, Secretary	
Assistant to the President: Bennett S. Cooper	
Barclay Hall, North	(Pay Station) 9506
Barclay Hall, Center	(Pay Station) 9459
Barclay Hall, South	(Pay Station) 9508
Biology Laboratory (Sharpless Hall): E. R. Dunn, H. K. Henry	
Bookstore (Barclay Hall): Patricia Docherty, Manager	
Business Office (Whitall): Aldo Caselli, Comptroller and Business Manager	
Lillian Nellen, Secretary to the Comptroller	
Rose Ricci, Clerk	
Antoinette Rossi, Bookkeeper	
Marie Stefan, Cashier	
Campaign Office (Founders Hall): Lester Haworth, Manager	
Chase Hall: A. J. Nichol, E. D. Snyder, J. H. Street, J. H. Wrenn	
Chemistry Laboratory: O. T. Benfey, W. E. Cadbury, Jr., T. O. Jones, W. B. Meldrum	
Dean's Office (Roberts Hall): Gilbert T. Hoag, Dean	
Maris Moore, Secretary to the Dean	
Dietitian (Founders Hall): Ethel E. Beatty	
Engineering Laboratory (Hilles): J. G. Herndon, T. B. Hetzel, C. W. Holmes, N.M. Wilson	
Faculty Secretary (Whitall): M. Patricia Kipping	
Founders Hall, East	(Pay Station) 9460
Founders Hall, Dormitory	(Pay Station) 9533
Founders Hall, Offices: C. B. Allendoerfer*, C.O. Oakley, H.M. Somers, A.H. Wilson	
French House, 8 College Lane: Laurence W. Wylie, Director- (Pay Station) 9613	
Gymnasium Offices: W. Docherty, Jr., A. Evans, A. W. Haddleton, R. E. Randall	
Haverford Union	(Pay Station) 9514
Hilles Laboratory of Applied Science (Engineering)	
Infirmary: Herbert W. Taylor, M.D., College Physician	
Mabel S. Beard, R.N.	
Kitchen	(Pay Station) 9544
Library: Amy L. Post, Librarian	
Circulation Desk	
Treasure Room: Thomas E. Drake, Anna B. Hewitt	
Library Offices: Frances deGraaff, M. Foss, M. M. Gutwirth, H. Hunter, J.A. Lester, Jr.,	
F. H. Parker, L. A. Post, J. P. Roche, A. G. Steer, Jr., D. V. Steere,	
D. L. Thomsen, Jr., L. W. Wylie	
Lloyd Hall, 4th Entry (Smith) Rooms 1-16	(Pay Station) 9520
Lloyd Hall, 8th Entry (Leeds) Rooms 17-38	(Pay Station) 9628
Maintenance and Operation Office (Whitall):	
(Seaton Schroeder, Superintendent	
(Katherine J. Walker, Secretary to the Superintendent	
Merion Annex	(Pay Station) 9561
Merion Hall	(Pay Station) 9458
Observatory: Louis C. Green	
Physics Laboratory (Sharpless Hall): T. A. Benham, R. M. Sutton	
Placement Bureau: Bennett S. Cooper, Director	
Power House	(Pay Station) 9540
President's Office (Roberts Hall): Gilbert F. White, President	
Alice M. Berry, Secretary to the President	
Psychology Laboratory (Sharpless Hall): A. Pepinsky**, I. M. Rosenstock	
Publicity Director: Lester Haworth	
Radio Club: Station WHRC (Haverford Union) 7461
Registrar's Office (Roberts Hall): (Abraham Pepinsky**, Registrar	
(Edytha Carr, Assistant Registrar	
(Carol Pitt, Clerk	
Scull House, 521 Panmure Road (Dormitory)	(Pay Station) 9516
Security Office (Infirmary basement): John Sherwin 1148

Sharpless Hall: Biology Laboratory: E. R. Dunn, H. K. Henry
Physics Laboratory: T. A. Benham, R. M. Sutton
Psychology Laboratory: A. Pepinsky**, I. M. Rosenstock
Offices: H. Comfort, J. W. Flight, F. H. Sanford, R. B. Wolf
Vice Presidents: Lester Haworth; Gloria Veit, Secretary (Founders Hall)
Archibald MacIntosh; Alice Barrie, Secretary (Roberts Hall)
Whitall: J. Ashmead, Jr., J. A. Kelly, F. S. Loescher, W. E. Lunt, H. W. Pfund, I. Reid,
R. M. Sargent, H. M. Teaf, Jr.
Williams House, 500 Oakley Road: Manuel J. Asensio, Director-(Pay Station). . . . 9428
Yarnall House, 500 Panmure Road (Dormitory)

COLLEGE TELEPHONE SERVICE

When there is an operator at the switchboard (9:00 a.m. to 5:00 p.m. Monday through Friday, 9:00 a.m. to 12:30 p.m. on Saturday, none Sunday) any of the offices listed below can be reached by calling Ardmore 6400.

When there is no operator on duty, use the following telephone numbers.

Ardmore 6400 Dietitian; Maintenance and Operation Office

Ardmore 6401 Library; Registrar

Ardmore 6402 Hilles Laboratory; Physics Laboratory

Ardmore 7031 Campaign Office; Lester Haworth

Ardmore 3761 President's Office

Ardmore 3036 Gymnasium; Infirmary

Ardmore 1942 Archibald MacIntosh; Admissions Office

FACULTY OFFICE TELEPHONES

The offices of most of the members of the Faculty may be reached by calling Ardmore 6400 during the hours when there is an operator at the switchboard.

*Indicates absence during second semester.

**Indicates absence during whole academic year.

STUDENTS IN THE COLLEGE

In the last column is given the number of the student's dormitory room:

Bc for Barclay Center	L.H. for Williams House
Bn for Barclay North	L. for Lloyd Hall
Bs for Barclay South	M. A. for Merion Annex
F. for Founders Hall	M. for Merion Hall
G.H. for Government House	521 for Scull House

(NOTE: The number preceding 521, indicates the room occupied by the student.)

Name	Home Address	College Address
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A

ABBOTT, H. David	Linwood, New York	14 F
ACTON, John T.	Buck Road, Bryn Athyn, Pa.	9 GH
ADIMORA, S. Nwanneka	St. Peter's Church, C.M.S., Agulu, Awka, Nigeria, British West Africa	11 M
ALLAN, William D.	115 North 8th Avenue, Coatesville, Pennsylvania	24 Bs
ALLEN, Reginald E.	4000 Plumstead Ave., Drexel Hill, Pa.	Day
ALLEN, Robert W.	Buck Lane, Haverford, Pa.	Day
AMUSSEN, Christopher R.	1509 Wynnewood Rd., Ardmore, Pa.	Day
AMUSSEN, Donald S.	9301 Kensington Parkway, Chevy Chase 15, Maryland	26 L
ANDERSON, Roy S.	170 W. 74th St., New York 23, N. Y.	58 Bn
ANDERSON, Thomas M., Jr.	39 North Adams Street, Rockville, Maryland	34 Bc
ATKINSON, Robert W.	701 Lombaert Street, Bryn Mawr, Pa.	Day
AUSTIN-SMALL, Peter O.C., Jr.	2 Grandview Circle, Pleasantville, New York	6 M
AUTENREITH, Laurence H.	920 Wellesley Road, Pittsburgh 6, Pa.	23 L

B

BAIR, Harry H.	Greenwood Road, McKees Rocks, Pa.	63 Bn
BAIR, William L.	811 West Street, Homestead, Pa.	29 L
BALDWIN, Gordon B.	Orchard Glen, Rochester 10, N. Y.	22 F

Name	Home Address	College Address
BALTZELL, Richard B.	2001 Hillside Dr., Columbus 12, Ohio	18 L
BARKER, Harold J., Jr.	201 - 30th St. So., Brigantine, N. J.	6 L
BARNES, Joseph A. Jr.,	123 Coulter Avenue, Ardmore, Penna.	Day
BARNES, Richard K.	146 Maple Street, Englewood, N. J.	5 Bs
BARROWS, William M.	24 Willard St., E. Braintree 84, Massachusetts	4 L
BAUR, Philip J., Jr.	Witchwood Farm, Springhouse R.D., Penna.	30 F
BELL, John E.	Milton, New York	23 Bs
BELLINGER, Edgar T	2710 South Joyce St., Arlington, Virginia	23 L
BENTLEY, Wray D., Jr	115 Grandview Rd., Ardmore, Pa.	32 L
BENTON, John F.	99 Branch Street, Mount Holly, N. J.	8 Bs
BERMAN, Albert A.	432 Prairie Avenue, Providence, Rhode Island Local Address: Pendle Hill, Wallingford, Pa.	Day
BETSON, Robert B.	239 Crawford Ave., Lansdowne, Pa.	Day
BETSON, Wesley R	239 Crawford Ave., Lansdowne, Pa.	Day
BILLO, Joseph G.	Popham Hall, Scarsdale, New York	6 L
BIRDSALL, C. Benson	55 Park Street, Haverhill, Mass.	60 Bn
BISHOP, William S.	345 Powell Rd., Springfield, Del.Co., Pa.	109 M.A.
BISSON, Thomas N.	40 Richards Road, Port Washington, New York	66 Bn
BLASIUS, Leslie G.	529 Wyoming Ave., Millburn, N. J. Local Address: c/o Mrs. Edith Tenney, 833 Buck Lane, Haverford, Pa.	Day
BLEDSON, Carter D.	1505 Grace Church Rd., Silver Spring, Maryland	27 L
BLISS, Howard	154 Church St., Middletown, Conn.	5 Bs
BLUM, David M.	3603 Forest Park Ave., Baltimore, Md.	38 L
BOCKOL, Joel M.	1321 Levick Street, Philadelphia 11, Pa.	Day
BOGER, William M.	341 Cumberland St., Lebanon, Penna.	30 Bc
BOISSEVAIN, Jeremy F.	Huntingdon Valley, Pa.	8 Gh
BOMZE, Paul E.	2291 Bryn Mawr Avenue, Philadelphia 31, Pa.	Day
BOTELER, William P.	4600 Sedgwick St., N.W., Washington, D.C.	25 L
BOTTOM, Gordon B.	6987 Guilford Rd., Upper Darby, Pa.	Day

Name	Home Address	College Address
BOYD, Andrew, Jr.	6840 N. Barnett Lane, Milwaukee 11, Wisconsin	7 L
BOYD, James C.	6840 N. Barnett Lane, Milwaukee 11, Wisconsin	18 L
BRAWNER, David M.	780 College Ave., Haverford, Pa.	Day
BRICK, Allan R.	239 West Glen Avenue, Ridgewood, N. J.	24 F
BRIEGER, Henry A.	c/o Mrs. Collins, 757 College Ave., Haverford., Pa.	Day
BRIOD, André E.	78 Stony Lane, Short Hills, N. J.	31 Bc
BROADBELT, B. Donald.	164 Albemarle Avenue, Lansdowne, Pa.	Day
BROBYN, Richard D.	3455 Midvale Ave., Philadelphia 29, Pa.	Day
BROWN, Edwin L.	20 Griffing Blvd, Asheville, N.C.	9 F
BROWN, James D.	2902 Manoa Road, Honolulu 54, T.H.	21 L
BROWN, Joseph C.	RFD #1, Clarksboro, N. J.	70 Bn
BROWN, Malcolm S.	596 Delaware Avenue, Buffalo 2, New York	13 M
BROWN, Robert DeP.	478 Manheim St., Philadelphia 44, Pa.	Day
BROWN, Robert E.	218 Knollwood Ave., Mamaroneck, New York	35 Bc
BURGE, John McD., Jr.	2560 Dell Rd., Louisville, Ky.	54 Bn
BURTT, Howard G.	3410 Warden Drive, Philadelphia 29, Pa.	53 Bn
BUTLER, Robert G., 3rd	3905 Morrison St., N.W , Washington 15, D.C.	60 Bn

C

CADWALLADER, Gouverneur	Abandoned Farm, Solebury, Bucks Co., Pa.	38 L
CAMERON, Richard M.	Barrett's Mill Rd., Concord, Mass. Local Address: 515 Michigan Ave., Swarthmore, Pa.	Day
CARLSON, Oscar W., Jr.	825 Wellington Rd., Baltimore 12, Md.	17 L
CARMAN, John B.	Missionary Apts., Colgate-Rochester, Divinity School, Rochester, New York	39 Bc
CARROLL, John M.	468 Riverside Drive, New York 27, N. Y.	4 Gh
CARRINGTON, George C., Jr	1801 Calvert St., N.W., Apt. 31., Washington 9, D.C.	13 L
CASKEY, David H.	318 Logan Street, Rockford, Illinois	59 Bn
CATES, Paul B.	East Vassalboro, Maine	37 Bc

Name	Home Address	College Address
CHANDLER, Donald, Jr.,	3347 East Beltline, N.E., Grand Rapids, Michigan	8 L
CHANDLER, Gail E.	325 West 77th St., New York 24, N. Y.	59 Bn
CHANTILES, Nicholas G.	209 Ardmore Ave., Ardmore, Penna.	Day
CHASE, Robert S., Jr.	336 Oak Road, Glenside, Penna.	10 L
CHEYETTE, Herbert B	1419 East Genesee St., Syracuse, N. Y. Local Address: c/o Frank Ufford, 605 Railroad Ave., Haverford, Pa.	Day
CLARK, David V.	Chamberlain Highway, Kensington, Conn.	59 Bn
CLAYTON, Allen B.	49 E. Providence Road, Lansdowne, Pa.	3 L
COLE, Don H.	1210 East 19th St., Tulsa, Oklahoma	31 L
COLLIER, Reginald B	35 Elm St., Webster, Mass.	17 Bs
COLLINS, Robert McV.	Broadlea Farm Rhinebeck, New York	26 Bc
COLMAN, George D.	159 Chapin St., Binghamton, N. Y.	19 L
COLMAN, Samuel, Jr.	159 Chapin Street, Binghamton, N. Y.	17 L
CONANT, Richard K., Jr	South Lincoln, Mass.	8 F
CONE, Sydney M., III	1607 Carlisle Rd., Greensboro, N. C.	33 Bc
CONKLIN, George L	601 Merion Ave., Penfield, Havertown, Pa.	Day
CONKLIN, William T., III.	5410 Purlington Way, Baltimore 12, Maryland	22 L
COONEY, John J.	c/o Leary - Matson Ford Road, Radnor, Pa.	6 Lh
COOPER, Brooks B.	521 Panmure Road, Haverford, Pa.	Day
COOPER, Everett B.	115 E. 5th Ave., Conshohocken, Pa.	Day
COOTE, Robert J.	6706 Exeter Road, Bethesda 14, Maryland	36 Bc
CORRY, John P.	216 Townsend Ave., Pelham Manor, N. Y.	51 Bn
CORSON, Richard H.	107 W. Broad Street, Paulsboro, N.J.	58 Bn
CRAGIN, Harold I.	2 Morris St., Merchantville, N. J.	22 Bs
CRAIG, D. Keith, Jr.,	Apt. 1-A Elm Garden Apts., 1319 Montgomery Pike, Wynnewood, Pa.	Day
CRICHLow, Robert W., III	411 West Rosemary Lane, Falls Church, Virginia	32 Bc
CROLIUS, Allen P.	307 Cambridge Apt., Alden Park, Germantown, Phila. 44, Pa.	Day
CROWLEY, Jerome F., Jr.	5211 - 39th St., N.W., Washington 15, D.C.	26 L
CUMMINS, Peter W.	Bon Air Drive, Sidney, Ohio	35 Bc

Name	Home Address	College Address
CURRAN, Robert T.	160 Henry St., Brooklyn 2, N. Y.	61 Bn
CURTIS, Nevius M.	Cold Hill, Granby, Mass.	38 Bc
CUTTING, Hunter O.	309 Sherman St., Rockford, Ill.	Day
	Local Address: c/o Edward D. Snyder, 36 Railroad Ave., Haverford, Pa.	

D

DALLETT, F. James, Jr.	Wayne, Penna.	7 Af
DARLINGTON, William H.	126 Montrose Ave., Rosemont, Penna.	10 L
DAVIS, William B., Jr.	Rainelle, W. Va.	58 Bn
DAVISON, John H.	606 West 122nd Street, New York 27, N. Y.	8 F
DAYTON, Allan S., Jr.	852 Valley View Rd., Pittsburgh 16, Penna.	23 L
DEACON, Drew W.	40 W. Walnut Lane, Phila. 44, Pa.	16 F
DEATON, Hugo L.	520 Old Orchard Rd., Baltimore 29, Md.	59 Bn
DEATON, L. Crosby.	520 Old Orchard Road, Baltimore 29, Maryland	15 Bs
DEITZ, James G.	135 Bompert Ave., Webster Groves 19, Mo.	11 L
DENMAN, David N., Jr.	212 Lebanon Ave., Pittsburgh 16, Pa.	58 Bn
DENNISON, Stanford C.	R.D. #2, Box 120, Jeannette, Penna.	17 L
DEWEES, Allen H.	Sweetwater Farm, Glen Mills, Pa.	9 L
DEWEES, David A.	41 Wellington Ave., Ross, Marin County, Calif.	64 Bn
DIBBLE, Joseph S.	3145 Nineteenth Street, N.W., Washington 10, D.C.	32 Bc
DIXON, John	47 Claremont Ave., New York 27, N. Y.	12 L
DOANE, John W.	316 Stanwood St., Phila. 11, Pa.	39 Bc
DODGE, John L.	Greenbush Road, Orangeburg, N. Y.	20 L
DOLBEARE, Kenneth M.	295 Stewart Avenue, Garden City, N. Y.	3 L
DOWNING, Hugh S.	427 Market St., Salem, Va.	53 Bn
DURLING, James A.	150 Main Street, Wadsworth, Ohio	4 L
DVORKEN, Leo	435 West Fifth Ave., Roselle, N. J.	66 Bn
DYSON, John C.	1426 Harlem Blvd., Rockford, Illinois	35 L

Name Home Address College Address

E

EASTMAN, A. Theodore T. 19 L
 2285 Washington St., San Francisco, Calif.

EBERLY, Richard J. 3 L
 608 Elm Terrace, Riverton, N. J.

ECHEGARAY, Miguel de 27 L
 3110 Hawthorne St., N.W., Washington, D.C.

EDGERTON, Philip 1 L
 College Ave., Haverford, Pa.

EDMISTON, Robert B. 34 L
 200 High Street, State College, Pa.

EDMONDS, Thomas H. 12 F
 19 Grove Street, Mt. Kisco, New York

ELLER, Richard W. 28 Bc
 21 Greeley Avenue, Sayville, New York

ELLIOT, William A. 20 Bs
 479 Beacon St., Manchester, N. H.

ENGLE, J. Redman, Jr. Day
 50 Euclid Avenue, Haddonfield, New Jersey
 Local Address: Mrs. Arthur Thomas, Oakley Rd., Haverford, Pa.

ENSIGN, Winter G. 5 L
 2006 Queen Ave., South, Minneapolis 5, Minn.

ERICSON, James W. 61 Bn
 R. F. D. #1, Bethel, Conn.

EWALD, Henry P. 68 Bn
 2100 - 19th Street, N.W., Washington 9, D.C.

F

FALGE, Raymond L., Jr. 61 Bn
 5 Thoreau Dr., Bethesda 14, Md.

FASCIONE, Daniel R. 10 M
 2530 South 20th St., Phila. 45, Pa.

FEESEER, P. Thomas 2 L
 P. O. Box 82, Schuylkill Haven, Pa.

FERNANDEZ, Kenneth L. 30 L
 4604 Davenport Street, N.W., Washington 16, D.C.

FEROE, Richard A. Day
 2930 Oakford Road, Ardmore, Pa.

FEY, Curt 28 L
 800 Buck Lane, Haverford, Pa.

FIFE, John D. 33 Bc
 Colonial House, Hoboken, New Jersey

FITHIAN, William W., Jr. 30 L
 8th and Oak Streets, Millville, New Jersey

FLAHERTY, Joseph P., Jr. Day
 286 Trent Road, Penn Wynne, Pa.

FLANDERS, Philip J. 11 L
 773 E. Shawmont Ave., Phila. 28, Pa.

FLETCHER, Richard Mc. 35 L
 3112 "O" St., N.W., Washington 7, D.C.

FLIGHT, J. William, Jr. Day
 753 College Ave., Haverford, Pa.

Name	Home Address	College Address
FLINT, Peter B.	22 Washington Avenue, Morristown, N. J.	46 Bc
FOLEY, Robert T.	Seminole Hotel, Winter Park, Florida	12 Bs
FORD, Floyd F., Jr.	Walton Road, R.D. #4, Norristown, Pa.	Day
FORKER, E. Lee	608 S. Linden Ave., Pittsburgh, Pa.	40 Bc
FORSYTHE, Thomas R.	Locust Lane Farm, Medford, N. J.	Day
FOSTER, James H.	Local Address: c/o F.H.Sanford, 4College Ave., Haverford, Pa.	18 L
FRANKE, Robert J	2905 Guilford Ave., Baltimore 18, Maryland	8 L
FRAZER, Joseph H., Jr	R.D.#2 Havre de Grace, Maryland	16 M
FREEMAN, Robert W.	19 Cherry Lane, Caldwell, N. J.	16 Bs
FRENCH, James C.	206 Washington Ave., Haddonfield, N. J.	48 Bc
FREUND, Gerald.	91 Payson Ave., New York 34, N. Y.	7 Bs
FULLER, David S	109 West Avenue, East Rochester, N. Y.	12 L
FULLER, George C	5037 Florence Ave., Philadelphia 43, Pa.	Day

G

GAILEY, Joseph A.	401-A Roosevelt Avenue, York, Penna.	24 Bs
GARBATY, Thomas J.	20 Murray Hill Rd., Scarsdale, N. Y.	15 Bs
GARDINER, J. Brooke	614 Pembroke Rd., Bryn Mawr, Pa.	23 Bs
GARRISON, Harry E., Jr.	729 Levick St., Philadelphia, Pa.	22 L
GARRITY, John F., Jr	5209 Overbrook Ave., Phila. 31, Pa.	11 Bs
GATELY, Edward J., Jr	476 Fair St., Providence 5, Rhode Island	12 L
GECKELER, Edwin O., Jr	1312 Medford Road, Wynnewood, Pa.	Day
GERLACH, Thomas B	1526 N. 15th St., Philadelphia, Pa.	1 F
GETMAN, Burrill, M., Jr.	251 Crestwood Road, Cowesett, Rhode Island	36 L
GILBERT, Charles E.	3 Glendale Ave., Delmar, New York	10 F
GILPIN, Vincent, Jr.	Apple Hill, West Chester, Pa.	47 Bc
GLOVER, Thomas R.	53 Kings Highway West, Haddonfield, N. J.	8 Gh

Name	Home Address	College Address
GOLDSMITH, Thomas H.	1207 Wagner Ave., Philadelphia, Pa.	11 Bs
GOOD, Roger C.	117 E. Woodbine St., Chevy Chase 15, Md.	66 Bn
GOODALL, Homer R.	11 Warfield Street, Upper Montclair New Jersey	5 M
GOULD, Peter	118 East 57th St., New York 22, New York	3 Bs
GRANT, Edgerton	R.F.D.#1, Scotch Plains, N. J.	56 Bn
GRAY, William S.	2140 Chestnut Ave., Ardmore, Pa.	Day
GREENE, Charles M.	230 Chemung Street, Corning, New York	8 Bs
GREENE, Joseph H., Jr.	522 Rock Glen Drive, Wynnewood, Penna.	Day
GREENWALD, Stanley M.	2847 N. 22nd St., Philadelphia 32, Pa.	21 F
GREENWOOD, Richard J.	1216 Stirling Street, Coatesville, Pa.	25 Bc
GRIFFITH, Charles D.	South Ave. Ext., Bradford, Pa.	10-521
GRISTE, Richard D.	6111 Lebanon Ave., Philadelphia 31, Pa.	Day
GROVES, Robert G.	155 N. Manor Avenue, Kingston, New York	61 Bn
GUNDRY, Richard K.	4200 Tuscany Road, Baltimore 10, Maryland	33 L
GUSHEE, Lawrence A.	Box 508 Norwich Conn.	68 Bn
GUTTMACHER, Jonathan A.	2704 Queen Anne Rd., Baltimore 16, Maryland	10 L

H

HAINES, William F.	7115 Llanfair Road, Upper Darby, Pa.	Day
HALL, Robert T.	4425 West 6th St., Topeka, Kansas	3rd fl. M.A.
HALPERN, Eli B.	336 Smedley St., Phila. Pa.	Day
HAMMOND, Robert A., Jr.	1264 Lincoln Road, Columbus 12, Ohio	9 L
HANSELL, Norris.	2800 Darby Rd., Havertown, Penna.	51 Bn
HANSEN, Willard B.	12 East 87th St., New York 28, New York	14 M
HARDEN, David S.	341 East Main St., Moorestown, New Jersey	30 L
HARDY, Daniel W.	R.F.D.#1, Salisbury, Conn.	9 L
HARING, Lee.	34 West 58th Street, New York 19, N. Y.	31 Bc

Name	Home Address	College Address
HARPER, Lee R.	190 Crowell Ave., Staten Island 14, New York	24 L
HARRIS, Donald B.	5501 Moorland Lane, Bethesda 14, Md.	23 L
HARRIS, John C.	1316 Alexander Ave., Chambersburg, Penna.	63 Bn
HARTMAN, Robert H.	216 State St., Harrisburg, Pa.	4 Bs
HASTINGS, James B.	30 Elston Road, Upper Montclair, N. J.	1 L
HAVILAND, Peter R.	28 Pennock Terrace, Lansdowne, Pa.	9 L
HEALEY, Robert J.	Bryn Mawr Gables, Bryn Mawr, Pa.	Day
HEBERTON, Craig	Apt. C-1, Haverford Gables, Haverford, Pa.	Day
HELLWEGE, Conrad F.	3428 Warden Drive, Philadelphia 29, Pa.	55 Bn
HELWEG, Joseph E., Jr.	463 York Road, Jenkintown, Pa.	51 Bn
HENNE, Earl J.	923 W. Erie Ave., Philadelphia 40, Pa.	30 F
HERMAN, David O.	5510 Roland Avenue, Baltimore 10, Md.	33 L
HERZEL, Frank B.	St. Petersburg, Pa.	11 M
HETZEL, Frederic V.	768 College Ave., Haverford, Penna.	Day
HIBBERD, Edward N., Jr.	1422 Orchard Way, Rosemont, Pa.	Day
HICKMAN, Herbert W.	829 Osage Road, Pittsburgh 16, Pa.	37 L
HICKMAN, Hoyt L.	829 Osage Road, Pittsburgh 16, Pa.	28 L
HILLIS, Jon K.	2200 Van Dorn Street, Lincoln, Nebraska	67 Bn
HITCHCOCK, John R.	Old Lyme, Conn.	12 M
HOBART, John H.	311 Chester Ave., Moorestown, New Jersey	13 L
HOEHLER, Harry H.	Pugh Rd., Strafford, Penna.	2 L
HOLCOMBE, John L.	239 Mill Rd., Havertown, Pa.	22 L
HOLLINGSHEAD, Irving, Jr.	309 Chestnut Street, Moorestown, N. J. Local Address: 307 Hamilton Road, Wynnewood, Pa.	Day
HOLLINSHEAD, J. Paul.	309 Chestnut St., Moorestown, New Jersey	66 Bn
HOLLMANN, Bruce Z.	39 - 26 - 213 Street, Bayside, New York	13 M
HOOPES, Charles D.	5500 Moorland Lane, Bethesda, Md.	48 Bc
HOPKINS, John M.	Queenstown, Md.	8 M

Name	Home Address	College Address
HOUGH, William J. H., Jr.	60 Butler Ave., Ambler, Pa.	15 L
HOWSON, Hubert F	6 Summit Avenue, Bronxville 8, New York	36 Bc
HUDSON, James W.	1401 Lincoln St., Evanston, Illinois	106 M.A.
HUDSON, Samuel W. G.	44 Waller Avenue, White Plains, New York	32 L
HUENE, Herbert A	93-30 224th Street, Queens Village 8, New York	23 Bs
HUFFMAN, Richard M.	117 Shadow Road, Chevy Chase 15, Maryland	26 L
HUGHES, Charles M	321 East Second St., Lansdale, Penna.	5 L
HUME, John M	550 Beverly Blvd., Upper Darby, Pa.	22 L
HUMMEL, Lee C., Jr.	109 W. Broadway, Salem, N. J.	37 L
HURTUBISE, Wayne C	6 Strathmore Road, Havertown, Penna.	Day

I

IMHOF, Lawrence G	875 Shadowlawn Drive, Westfield, New Jersey	24 L
ISAY, Milton H	1230 Squirrel Hill Ave., Pittsburgh 17, Pa.	10 M
IVES, Robert T.	540 E. St. Davids Ave., St. Davids, Penna.	Day

J

JACKSON, John A	20 Summer St., Adams, Mass.	7 Gh
JAMES, Donald W., Jr	43 Fairview Avenue, Port Washington, New York	30 Bs
JAMISON, Edgar M., Jr	11 Canterbury Court, Toledo 6, Ohio	35 L
JARDINE, William, II	110 Summit Ave., Upper Darby, Pa.	Day
JENNEY, Peter B	625 Haydock Lane, Haverford, Penna.	Day
JOHNSON, A. Clark, Jr	Ridgecrest Farm, Coatesville, Pa.	8 L
JOHNSTON, Jon J	3219 Ozark, Little Rock, Ark.	31 L
JOHNSTON, Robert A.	25th and Revere Blvd, Brigantine, N. J.	6 L
JONES, A. Wilson	616 Regester Ave., Baltimore 12, Maryland	41 Bc
JONES, E. Arnold	Hector's River, Jamaica B.W.I.	103 M.A.

Name	Home Address	College Address
JONES, Roger F.	2617 St. Davids Lane, Ardmore, Pa.	Day
JOWERS, Victor T.A.	17 Sudbury Pk. Mansions Wembley, Middlesex, England	18 Bs

K

KATZ, John Z.	2609 Talbot Road, Baltimore 16, Md.	41 Bc
KEETZ, Edward J.	Hilldale Road, Villanova, Pa.	Day
KEETZ, Francis A.	Hilldale Road, Villanova, Pa.	Day
KEMMERER, John L.	Residence Park, Palmerton, Pa.	22 Bs
KIDNEY, Walter C.	8 Johnson Court, Philadelphia 44, Pa.	Day
KILLIAN, John R., Jr.	40 West Wyomissing Avenue, Mohnton, Pa.	28 Bc
KIMMICH, F. Scott.	20 Tenmore Road, Haverford, Pa.	Day
KIMMICH, Homer M.	417 Lancaster Ave., Haverford, Pa.	Day
KING, John W.	6918 Lynford St., Philadelphia 24, Pa.	67 Bn
KIRK, Donald G.	200 South St., Morristown, N. J.	3rd fl. M.A.
KIRK, Richard A.	200 South St., Morristown, N. J.	3rd fl. M.A.
KIRK, Robert L.	1106 Pine Street, Philadelphia 7, Pa.	Day
KITTREDGE, John A.	3409-0-St., N.W., Washington 7, D. C.	27 L
KLEIN, Gilbert W.	Mt. Pleasant Rd., Villa Nova, Penna.	Day
KNOWLTON, Andrew M.	126 N. Sharon Ave., Sharon Hill, Penna.	Day
KOPF, Theodore J.	19 S. Legion Terrace, Lansdowne, Pa.	Day
KRATZ, Wayne T.	206 Stanton Rd., Wildwood Crest, N. J.	112 M.A.
KUMM, Karl W.	393 Main St., Chatham, N. J.	21 bF
KUNKEL, Robert B.	138-23 250 St., Rosedale 10, L. I., N. Y.	47 Bc
KURTZ, S. Kendall.	122 Kenilworth Road, Merion Station, Pa.	50 Bn

L

LAFER, Dennis J.	29 Highland Avenue, Maplewood, N. J.	67 Bn
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Name	Home Address	College Address
LAITY, Richard W.	105 Elliott Place, East Orange, N. J.	18 F
LAMPERTI, John W.	320 Crestmont Road, Upper Montclair, N. J.	20 Bs
LAMPHERE, George E.	3000 - 39th St., N.W., Washington 16, D.C.	10 Gh
LANDÉ, Peter Wolfgang	Cherry Lawn School, Darien, Conn.	15 M
LANE, George W.	344 Titicut St., State Farm, Mass.	12-521
LANE, Richard T., Jr.	Kingwood Park, Poughkeepsie, New York	53 Bn
LEDEBOER, John W.	327 Lindenwold Ave., Ambler, Pa.	53 Bn
LEEDS, Robert W., Jr	Haddon Hall, Atlantic City, N. J.	29 Bc
LEGER, François T.	P.O. Box 385, Pensacola, Fla.	70 Bn
LEGGETT, John M.	6632 Ridgeville St., Pittsburgh 17, Pa.	50 Bn
LEIB, Gilbert M. P	136 Dwight St., New Haven 11, Conn.	113 M.A.
LEIBOLD, Arthur W.	Pine Hills, Ottawa, Illinois	12-521
LEONARD, Lawrence M	24 Moss Hill Rd., Jamaica Plain 30, Boston, Mass. Local address: c/o Mr. R. Jameson, 731 Panmure Rd., Haverford, Pa.	Day
LEWIS, Andrew L., Jr	Worcester Pa.	21 Bs
LIGHTFOOT, Clark T.	Richboro, Pa.	116 M.A.
LIND, Frederick J.	625 Pitcairn Place, Pittsburgh, Pa.	31 L
LINGEMAN, Richard R.	203 Wallace Avenue, Crawfordsville, Indiana	50 Bn
LINTHICUM, Somervell	110 South Washington St., Rockville, Maryland	34 Bc
LINTHICUM, William A	110 S. Washington St., Rockville, Maryland	13 L
LITTLE, Frank J., Jr.	65 Nunda Blvd., Rochester 10, New York	21 Bs
LODER, John E.	144 Main Street, Hingham, Mass.	50 Bn
LOEB, Eric	1 West 85th Street, New York 24, N. Y.	33 L
LOEBELLENZ, Donald E	511 Cowell Avenue, Oil City, Pa.	4 Gh
LOECHEL, Lloyd O	543 Chestnut St., Columbia, Pa.	2 Lh
LOGAN, Robert G	1710 Cambridge Rd., Ann Arbor, Mich.	21 Bs
LOUCKS, Walter B.	McClellan Heights, York, Pa. (M.R.#42)	36 L

Name	Home Address	College Address
LUCAS, Robert M.	R.D.#1 Main St., Cedarville, N. J. Local address: c/o Mrs. Edith Tenney, 833 Buck Lane, Haverford, Pa.	Day
LUCINE, Andrew D.	Centennial Rd., Penn Valley P.O. Phila. 27, Pa.	Day
LUNG, Louis G.	c/o H. Pearson, Bridgetown Pk., Langhorne, Pa.	7 Gh
LUSH, Stanley G.	10 West St., Galeton, Pa.	4 Bs
LUSSON, Louis C. O.	Whitehall Apts., Box 585, Haverford, Pa.	Day

M

MACBETH, C. Edward	Berwyn and Aiken Aves., Berwyn, Pa.	Day
MacINTOSH, W. Bruce, Jr.	73 Windermere Ave., Lansdowne, Pa.	Day
MACTYE, David C.	5040 Lakeview Drive, Miami Beach, Florida	6 Bs
MANWILLER, Karl S., Jr.	654 Arbor Road, Yeadon, Pa.	19 L
MARONEY, Philip M.	437 Berkley Road, Haverford, Pa.	7 L
MARTIN, Donald B.	2948 Oakford Road, Ardmore, Penna.	Day
MARVIN, John H.	7032 South Cregier, Chicago 49, Illinois	19 F
MATEER, G. Diehl, Jr.	2932 Rising Sun Rd., Ardmore, Penna.	14 L
MATHIAS, E. Trail	Court Square, Frederick, Md.	15 L
MATHIS, James L.	Wyalusing, Penna.	6 Gh
MATLACK, William F.	3400 W. School Lane, Philadelphia 44, Pa.	5 L
MATTESON, Robert S.	24 North Oakwood Terrace, New Paltz, New York	40 Bc
MATTSON, Norman DeW.	Wood Road, Braintree, Mass.	21 Bs
MAYER, David P.	Apple Creek, Ohio	42 Bc
McCARGAR, Donald E.	32 So. Valley Rd., Paoli, Pa.	Day
McCARN, Davis B.	1011 - 13th St., Wilmette, Ill.	32 L
McCURDY, Kenneth F.	5721 Stanton Ave., East Liberty 16 Pittsburgh, Pa.	62 Bn
McDERMOTT, Leo D.	510 W. Montgomery Ave., Haverford, Pa.	Day
McKENZIE, Alfred B.	716 Paru Street, Alameda, Calif.	8 M
McKINLEY, Richard S.	218 Lansdown Ave., Wayne, Pa.	111 M.A.

Name	Home Address	College Address
McNUTT, Thomas R.	226 Fairlamb Avenue, Havertown, Penna.	Day
MEAD, Richard K	11 Horseguard Lane, Scarsdale, New York	34 L
MELCHER, William D. L.	Old Conestoga Rd., Malvern R.D. 1, Pa.	Day
MELCHER, William P.	26 Linwold Drive, West Hartford, Conn.	14 M
MELCHIOR, Charles M.	240 W. Montgomery Ave., Haverford, Pa.	9 Gh
MELDRUM, Donald N.	747 College Avenue, Haverford, Pa.	Day
MELICK, Richard P.	The Washington, Wells Beach, Maine	22 Bs
MESEROLE, John S.	Boonton Turnpike, Lincoln Park, New Jersey	107 M.A.
MESSICK, R. Richard.	121 Warren St., Beverly, N. J.	22 Bs
METCALFE, Richard J.	397 May St., Worcester, Mass.	12 L
MILLER, Frederick S., Jr.	83-09 Talbot St., Kew Gardens, Long Island, N. Y.	21 L
MILLER, Harold A.S	7502 Colonial Road, Brooklyn, New York	69 Bn
MILLER, William B.	349 Ridgewood Ave., Glen Ridge, N. J.	25 L
MILLIGAN, Barton.	842 Cedar Terrace, Westfield, N. J.	14 L
MILLSPAUGH, Frederick W., Jr	327 Windsor Avenue, Haddonfield, New Jersey	52 Bn
MILNER, Paul C	140 Cole Court, Peoria 5, Illinois	12 Bs
MILYKO, Alexander B	Washington Avenue, Bayville, L. I., N. Y.	10-521
MOORE, Paul W.	Barker Street, No. Pembroke, Mass. (Box 125)	52 Bn
MORAN, Robert E	R.F.D.#3, Box 75, Bethesda 14, Md.	17 F
MORITZ, John A	2085 Adelbert Rd., Western Reserve University, Cleveland, Ohio	45 Bc
MORLEY, Anthony J.	1 Wetherill Road, Washington 16, D. C.	15 F
MORRELL, Roger M	8 Oxford Street, Chevy Chase, Md.	49 Bc
MORRIS, Lawrence C., Jr	Wilmington Apts. No. 1 (Delaware Avenue and Jackson St.) Wilmington, Delaware	52 Bn
MORRISON, H. William Jr.	109 Spring Grove Rd., Pittsburgh 21, Penna.	107 M.A.
MOSER, Kenneth M	2923 North Charles Street, Baltimore Md.	14 L
MURDOCH, Guy C	144 W. Penn St., Philadelphia 44, Pa.	Day
MYERS, Richard N.	118 Coulter Avenue, Ardmore, Penna.	Day

Name Home Address College Address

N

NASH, George 29 L
 4136 Bigelow Blvd., Pittsburgh 13, Pa.
 NASON, Harry B 7 L
 Brynwood Apts., A-1, Wynnewood, Pa.
 NELSON, Kenneth R., Jr 14 M
 U. S. Marine Hospital, Boston, Mass.
 NEVITT, Robert L 29 Bc
 Wilson St. and Hillside Dr., Carlisle, Penna.
 NEWBOLD, Richard W 36 L
 140 Madison Ave., Mount Holly, New Jersey
 NEWTON, R. Scott 9 M
 Emlenton, Penna.
 NORRIS, Richard A., Jr. 7 Bs
 3308 Legation St., N.W., Washington, D. C.
 NORTON, Nicholas 6 Bs
 North Westchester, Conn.

O

OBEREMBT, Richard J. 29 L
 2306 E. Kensington Blvd., Milwaukee 11, Wisconsin
 OLIVER, Peter 15 F
 30 Lakeview Drive, Moorestown, N. J.
 O'NEALL, David C. 4 M
 320 Kennedy Place, Crawfordsville, Indiana
 O'NEILL, Howard T. 15 Bs
 Huntingdon Valley, Penna.
 OPPENHEIM, Daniel P 9 Bs
 3029 "O" Street, N.W., Washington 7, D.C.
 OSLER, Frederic B 3rd fl. M.A.
 Waterford, Va.
 OUELLETTE, Armand R. 11 F
 29 Elmhurst Ave., Highland Park 3, Michigan

P

PACKARD, Merlin W 35 L
 39 Gilbert Street, North Brookfield, Mass.
 PAPOULIS, Basile Day
 Redestou 42 Nea Smyrni, Athens, Greece
 Local Address: c/o Julia Collins, 757 College Ave., Haverford, Pa.
 PARKE, Robert Jr 3 Lh
 50 Lancaster Ave., Buffalo 9 New York
 PARKHURST, Peter H. 4 G.H.
 2207 Shore Road, Northfield, New Jersey
 PARRAN, Richard B. 7 Lh
 1278 Murray Hill Ave., Pittsburgh 17, Penna.
 PATTERSON, Edward B., Jr 6 L
 34 Lenape Rd., Colwick, Merchantville, N. J.
 PAULSON, John F. 31 L
 64 Petteys Avenue, Providence 9, Rhode Island
 PEDEN, James C., Jr 38 Bc
 3855 So. Utica, Tulsa, Oklahoma

Name	Home Address	College Address
PEIFER, William S.	102 No. Swarthmore Ave., Ventnor, N. J.	16 L
PENICHE, William M.	30-47 - 81st St., Jackson Heights, New York	44 Bc
PENNINGTON, Richard M.	161 Woodbine Rd., Havertown, Pa.	Day
PENNYPACKER, Edward L.	203 Kings Highway West, Haddonfield, New Jersey	16 L
PERHAM, George P.	199 Lorraine Ave., Upper Montclair, New Jersey	6 Bs
PEROT, T. Morris,	4th. East Mill Road, Flourtown, Pa.	51 Bn
PHILIPS, David E.	500 Lee Ave., Webster Groves 19, Mo.	5 Lh
PHILIPS, Robert N.	500 Lee Ave., Webster Groves 19, Mo.	68 Bn
PHIPPS, Allen B.	84 Long Drive, Hempstead, New York	Day
PIERSON, Phillip M.	1101 Wyndon Ave., Bryn Mawr, Pa.	20 Bs
PIKE, Burton E.	65 Rowena Road, Newton Centre, 59, Mass.	14 Bs
PIOTROW, F. Jackson.	1100 South Goodman Street, Rochester 7, New York	52 Bn
POLLARD, Robert III.	10 Buena Vista Rd., Asheville, N. C.	11 L
PROCKOP, Darwin J.	Route #1, Palmerton, Pa.	38 Bc
PUTNEY, W. Taylor, III	3409 - 83 St., Jackson Heights, New York, N.Y.	14 L

Q

QUILLEN, R. James, Jr.	110 West Sixth St., New Castle, Delaware	28 L
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R

RANCK, James B., Jr.	20 West Third Street, Frederick, Md.	45 Bc
RANKIN, Richard E.	715 E. 20th St., Chester, Pa.	15 L
REED, H. Edward	19 Bishops Lane, Short Hills, N. J.	54 Bn
REEDER, Rudolph R.	2616 N. Lake Drive, Milwaukee, Wisconsin	28 L
RENINGER, Charles W.	128 So.St.Cloud St., Allentown, Pa.	25 L
RENN, Frank A.	1832 South Troy St., Chicago 23, Ill. Local Address: c/o Dr. Bernheimer, 225 Roberts Road, Bryn Mawr, Pa.	Day
REYNOLDS, Robert R.	Baldwin, Maryland	69 Bn

Name	Home Address	College Address
RHOADS, William L., III.	206 Harding Avenue, Havertown, Pa.	16 L
RICE, James W.	Glen Loch, Penna.	Day
RICH, Edward P.	830 Buck Lane, Haverford, Pa.	Day
RICHIE, David A.	Oakbourne Rd., Mounted Route, West Chester, Pa.	71 Bn
RICHTER, Harry E.	6257 North 4th St., Phila. 20, Pa.	7 F
RIDINGTON, Thomas M.	349 East Main Street, Lansdale, Penna.	114 M.A.
ROBERTS, C. Evans, Jr.	Seneca, Maryland	33 L
ROBERTS, Francis H.	Pembroke Rd., St. Davids, Pa.	Day
ROBERTS, Garrett, Jr.	110 Lorraine Ave., Upper Montclair, N. J.	6 M
RODEWALD, William Y.	508 Edgerton Place, Pittsburgh 8, Pa.	20 L
ROSE, Carl H.	714 Greenleaf Ave., Wilmette, Ill.	12-521
ROSENBAUM, C. Peter	1195 Asbury Ave., Winnetka, Illinois	14 Bs
ROWE, David K.	2415 Merwood Lane, Havertown, Pa.	17 M
RUDISILL, Rufus C., Jr.	352 Kenmore Ave., Glenside, Pa.	24 L
RUTH, Thomas N.	10 Hillside Road, Baltimore 10, Md.	3rd fl. M.A.

S

SAIDEL, Burt R.	820 Audrey Place, Dayton, Ohio	38 L
SANGREE, Walter H.	702 Pennstone Road, Bryn Mawr, Pa.	7 Gh
SCHEFFEY, Andrew J. W.	450 Merion Rd., Merion Station, Pa.	Day
SCHERER, Robert C.	349 Allegheny St., Jersey Shore, Pa.	26 Bc
SCHLEGEL, George D.	434 Sunset Road, West Reading, Pa.	10 Gh
SCHMITZ, J. Peter	219 Harrison Ave., Ferguson 21, Missouri	12-521
SCHWARTZ, William.	2921 E. Newport Ave., Milwaukee 11, Wisconsin	11-521
SEARLE, C. Stanley.	129 Winchester Rd., Merion Sta., Penna.	Day
SEARS, Donald F., Jr.	349 Lincoln Ave., Williamsport, Pa.	34 L
SECHREST, Robert C.	24 Sumner Road, Wellesley Hills 82, Mass.	25 Bc

Name	Home Address	College Address
SEDER, Eugene I.	R. D. #1, Gibsonia, Pa. Local address: c/o Ufford - 605 Railroad Ave., Haverford, Pa.	Day
SEELEY, Robert T	61 E. Stewart Ave., Lansdowne, Penna.	21 bF
SEGAL, Arthur G	7801 Bayard Rd., Philadelphia 19, Pa.	Day
SEGAL, Marvin.	729 Snyder Ave., Phila. 48, Pa.	Day
SEGAL, Richard M	7801 Bayard Rd., Phila. 19, Pa.	Day
SELIGSOHN, Walter I.	590 Fort Washington Avenue, New York 33, N. Y.	4 Lh
SENER, Joseph W., Jr	4 Bishop's Road, Baltimore 18, Md.	4 L
SHANKS, Hershel	255 Jefferson Avenue, Sharon, Penna.	72 Bn
SHARP, John V. A.	180 Ames Ave., Leonia, N. J.	69 Bn
SHARPLESS, F. Parvin	585 N. School Lane, Lancaster, Penna.	3 L
SHIPLEY, Paul E	8105 Ardmore Ave., Philadelphia 18, Pa.	13 Bs
SHOEMAKER, J. Howard III	87 Garden Street, Garden City, N. Y.	5 L
SHUMAN, Labron K.	1130 Lakeside Ave., Philadelphia, Pa.	2 Lh
SICELOFF, Courtney P	1100 Wesleyan, Fort Worth, Texas Local Address: Pendle Hill, Wallingford, Pa.	Day
SMITH, Merle B	68 Euclid Ave., Albany, New York	4 L
SMITH, Paul R	509 Brookview Lane, Havertown, Penna.	28 L
SMITH, J. Norton, Jr	Fort Washington Ave., Ambler, Penna.	4 Gh
SNADER, Edward R., III.	547 Sussex Road, Wynnewood, Penna.	19 L
SNIFFEN, Allan M.	25 So. Madison Ave., Spring Valley, N. Y. Local Address: c/o R.M. Sutton, 785 College Ave., Haverford, Pa.	Day
SNIPES, E. Thomas Jr	Lincoln Hwy., Morrisville, Penna.	22 F
SOLEM, G. Alan	625 N. Elmwood Ave., Oak Park, Ill.	24 Bs
SOMERNDIKE, John M.	67 South St., Rockport, Mass.	12 M
SORG, W. Roger	40 South Munn Avenue, East Orange, New Jersey	9-521
SPAETH, Karl H.	7021 Clearview St., Phila. 19, Pa.	4 Lh
STANMYER, Joseph R., Jr	702 E. Willow Grove Ave., Phila. 18, Pa.	Day
STANSBURY, Philip R.	7010 Fairfax Rd., Bethesda 14, Maryland	32 Bc

Name	Home Address	College Address
STEELY, John E., Jr.	1527 Garfield Ave., Wyomissing, Pa.	5 M
STEERE, Peter K.	409 East Ridge Street, Marquette, Michigan	25 L
STEERE, Thomas H.	627 Walnut Lane, Haverford, Pa.	1 L
STEIN, Joseph H., Jr.	4 Hamilton Road, Glen Ridge, New Jersey	108 M.A.
STENHOUSE, Richard E.	4 W. 129th St., New York 27, N. Y. Local Address: Pendle Hill, Wallingford, Pa.	Day
STERN, Harris I.	1213 Stratford Ave., Melrose Park, Phila. 26, Pa.	Day
STERN, Thomas.	88-10 Whitney Ave., Elmhurst, L. I., New York City, N.Y.	11 L
STERNER, Paul L., Jr.	1234 Pelhamdale Avenue, Pelham Manor, New York	36 L
STETTENHEIM, Peter	Hurricane Hill, Reading, Vt.	10 Bs
STOTT, Charles E.	905 South Main St., Newark, New York	3rd fl. M.A.
STROHL, H. Frederick	24 East Clearfield Road, Havertown, Pa.	Day
SUTCLIFFE, Robert	2561 Amber Street, East, Philadelphia, Penna.	Day
SUTTON, Robert L.	785 College Ave., Haverford, Pa.	1 L
SWARTLEY, William M.	Squirrel Lane, Lansdale, Pa.	Day

T

TABBUTT, Frederick D.	7108 Wayne Ave., Upper Darby, Penna.	Day
TABOGA, Diogenes A. H.	5020 Wayne Ave., Philadelphia 44, Pa.	Day
TAPKE, Peter F.	8609 Bacas Place, Chevy Chase, Md.	4 F
TASSMAN, William S.	6540 Wissahickon Avenue, Philadelphia 19, Pa.	13 Bs
TATNALL, Runcie L., Jr.	26 Hilltop Road, Philadelphia 18, Penna.	Day
TAYLOR, Howard G., III.	Taylor Lane, Riverton, N. J.	8 Bs
TEST, Edward W.	Whitemarsh Rd., Phila. 18, Pa.	20 L
THOMAS, John W.	78 Chestnut St., Maplewood, N. J.	102 M.A.
THOMAS, Lewis J., Jr.	40 Rockglen Rd., Overbrook Hills, Phila. 31, Pa.	Day
THORAN, Peter K. O.	7 Reichenhaller Strasse, Schmargendorf, Berlin, Germany Local Address: Miss Czach, 229 Bloomingdale Ave., Wayne, Pa.	6 Gh
THORNTON, Thomas P.	Mermont Plaza, Bryn Mawr, Pa.	Day

Name	Home Address	College Address
TICE, Gregory	322 Morrison Ave., Salem, New Jersey	19 Bs
TILLEY, David C	7 Plaza Street, Brooklyn 17, New York	5 Lh
TODD, John A	Serpentine Lane, Wyncote, Penna.	3 F
TODD, Thomas A	Serpentine Lane, Wyncote, Penna.	49 Bc
TOLLIN, Solis	16 Meredith Road, Green Hill Farms, Philadelphia 31, Pa.	21 F
TOMEK, John R	42 Melrose Place, Montclair, New Jersey	16 M
TOTAH, Nabil M.	2 Girard Place, Maplewood, N. J. Local address: c/o F. H. Sanford - 4 College Ave., Haverford, Pa.	Day
TOWNSEND, Wilson L. Jr.	32 Fawcett St., Kensington, Maryland	104 M.A.
TREYNOR, Jack L.	424 Oakland Ave., Council Bluffs, Iowa	2 L
TRUMP, C. Edward	503 Baird Road, Merion Sta., Penna.	Day
TRUMPER, David K.	155 Summit Lane, Bala-Cynwyd, Pa.	16 Bs
TUCKER, Robert N	The "Lagoon" Paget East, Bermuda	110 M.A.
TURLEY, Keith H	501 Camden Ave., Moorestown, New Jersey	30 L

V

VAIL, Philip C	Front and West Sts., Media, Pa.	Day
VAN ARKEL, Bernard	949 Glenbrook Ave., Bryn Mawr, Penna.	Day
VANCE, Philip G.	848 So. Park, Springfield, Illinois	108 M.A.
VAN SICKLE, James H.	403 E. Jefferson St., Crawfordsville, Indiana	4 M
VEDOVA, Harold F	76 Sherman Ave., Glen Ridge, New Jersey	13 Bs
VITELLO, John A	761 West Main St., Rochester 11, New York	23 F
VOGEL, William W	218 Avon Road, Narberth, Pa.	Day

W

WAGNER, John C	149 Grandview Road, Ardmore, Pa.	2 Bs
WALKER, Ian G	Frog Hollow Rd., Rydal, Pa.	7 L
WALLERSTEIN, E. Perry	Easton Road, Westport, Conn.	29 L

Name	Home Address	College Address
WEBB, Peter W.	216 Station Avenue, Langhorne, Penna.	8 L
WELSH, Charles N.	Buck Lane, Haverford, Penna.	Day
WERNER, Gordon	1130 Sherman Avenue, New York 56, New York	37 L
WESTERN, David S.	Apple Creek, Ohio	10 L
WESTHEAD, Edward W., Jr.	St. Davids Court, St. Davids, Pa.	Day
WHITAKER, Robert C., Jr.	109 Hewett Rd., Wyncote, Pa.	30 F
WHITALL, Walter B.	5363 Magnolia Ave., Germantown, Phila. 44, Pa.	1 Lh
WHITE, Robert B.	Paoli, Pa.	Day
WICKHAM, Robert S., II	Devon, Penna.	Day
WIGHTMAN, Arthur H.	1905 Grand Ave., Keokuk, Iowa	15 L
WIGHTMAN, William A.	1905 Grand Ave., Keokuk, Iowa	67 Bn
WILBUR, D. Elliott, Jr.	115 Penna. Ave., Bryn Mawr, Pa.	2 L
WILLIS, David P.	62-65 Saunders Street, Forest Hills, L. I., New York	6 F
WILLOUGHBY, Alan T.	6239 Homer Street, Phila. 44, Pa.	34 L
WILSON, David C.	200 Townsend Ave., Pelham Manor, New York	32 L
WILSON, Ernest S., Jr.	2220 Spruce St., Phila. 3, Pa.	Day
WILSON, Frederick T.	5736 Harper Avenue, Chicago 37, Illinois	3rd fl. M.A.
WILSON, Richard E.	Garland Rd., Concord, Mass.	8 M
WINN, Mitchell	Stoney Hill Road, New Hope, Penna.	105 M.A.
WIRT, John B.	Clifton Ave., Toms River, N. J.	7 Bs
WIXOM, William D.	20 Appleton Place, Montclair, N. J.	16 Bs
WOLL, John W., Jr.	Oak Dale Farm, Newtown, Pa.	14 Bs
WOOD, Horatio C., IV	4309 Prospect Road, Peoria, Illinois	16 L
WOOD, James	"Braewold" Mount Kisco, New York	1 Bs
WOOD, Peter H.	R.F.D. Far Hills, New Jersey	7 M
WOOD, Richard R., Jr.	272 West Main St., Moorestown, New Jersey	53 Bn
WOOD, Thomas A.	415 No. Franklin St., West Chester, Penna.	7 M

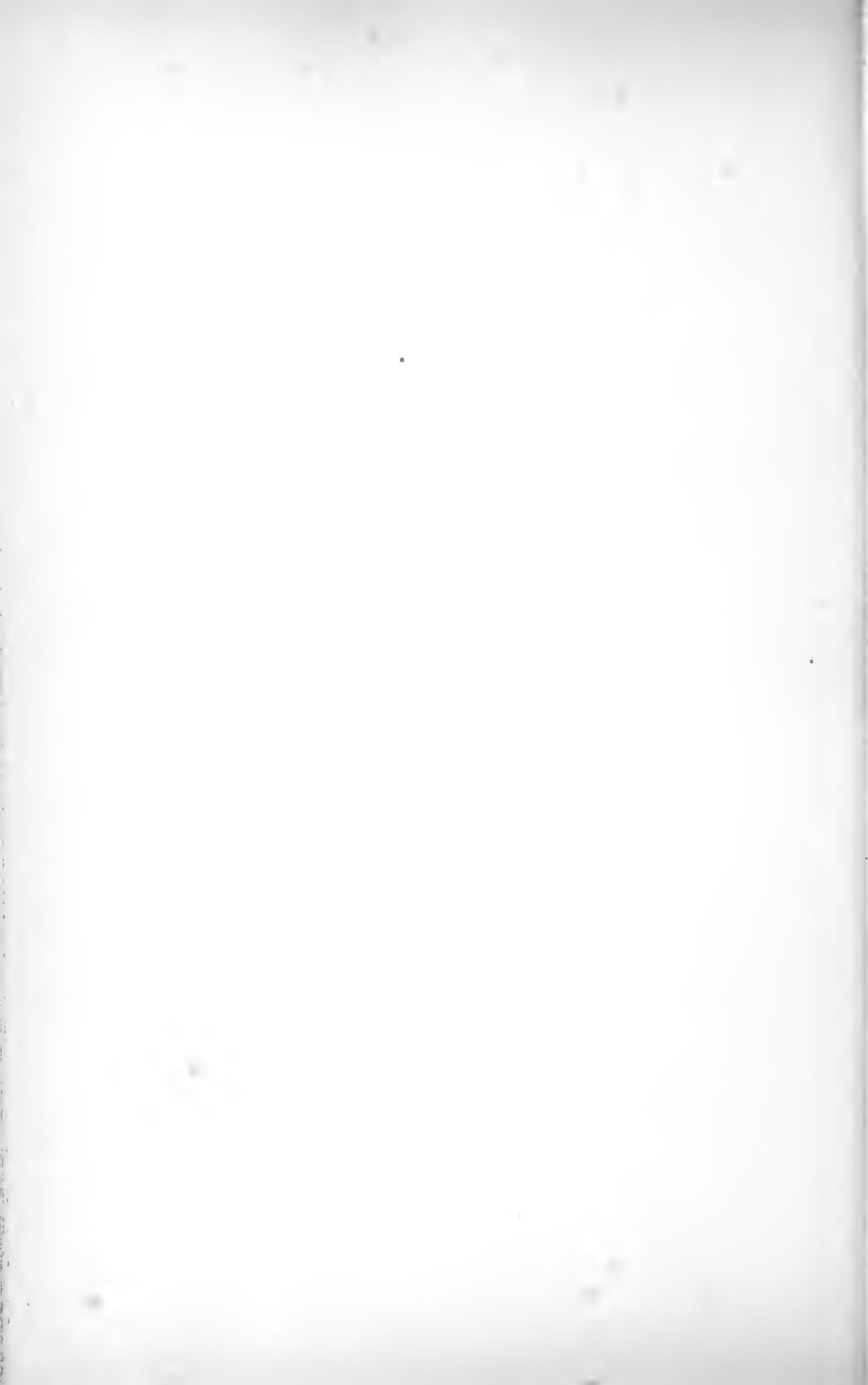
Name	Home Address	College Address
WOOD, William M., Jr.	409 Linden Ave., Glenside, Pa.	62 Bn
WOODWARD, Thomas M., Jr	3044 "P" Street N.W., Washington 7, D. C.	7a F
WURSTER, Charles F., Jr	309 Chew Street, Philadelphia 20, Pa.	20 F

Y

YOUNG, Donald L.	24163 West River Road, Grosse Ile, Michigan	5 Bs
YOUNG, Robert K.	1165 - 5th Ave., New York City 29, New York	71 Bn
YOUNG, Walter G.	168 Malling Drive, Rochester 5, New York	101 M.A.

Z

ZERRER, John G	235 Waverly Road, Wyncote, Pa.	46 Bc
ZIMMERMAN, Thomas C.	Uplands Apt. #A, 516 Glen Allen Drive, Baltimore 29, Maryland	1 Lh
ZWEIFLER, Andrew J.	46 Wilbur Avenue, Newark 8, New Jersey	21 L



Students arranged by Term in which they are
enrolled during the first semester of 1949-50.

FIRST TERM

Allen, Reginald Edgar	Hitchcock, John Raymond
Anderson, Roy Scott	Hollingshead, Jean Paul
Anderson, Thomas Minor, Jr.	Hollmann, Bruce Ziegler
Bair, Harry Hammond	Howson, Hubert Farnham
Benton, John Frederic	Huene, Herbert Arthur
Bisson, Thomas Noel	Hummel, Ira Lee Cottrell, Jr.
Bockol, Joel Maxwell	Hurtubise, Wayne Cornelius Arthur
Bomze, Paul Edward	Isay, Milton Henry, Jr.
Brobyn, Richard Dolde	Kidney, Walter Curtis, Jr.
Brown, Malcolm Spencer	King, John Walter
Burge, John McDonald, Jr.	Kittredge, John Anson Douglas
Burt, Howard Graham	Kopf, Theodore John
Caskey, David Henry	Kumm, Karl Ward Graham
Chandler, Gail Ellsworth	Kurtz, Stewart Kendall
Clark, David Vibert	Lafer, Dennis Joseph
Coote, Robert James	Lamperti, John William
Corry, John Pitts	Lane, George Whitney
Corson, Richard Howell	Lane, Richard Thatcher, Jr.
Crichlow, Robert William, III	Ledeboer, John William, Jr.
Curran, Robert Theodore	Leeds, Robert West, Jr.
Davis, William Browning, Jr.	Leger, Francois Treville
Deaton, Hugo Leroy	Leggett, John Milton
Denmen, David Nelson, Jr.	Leibold, Arthur William
Dibble, Joseph Sherman	Lewis, Andrew Lindsay, Jr.
Dixon, John	Lingeman, Richard Roberts
Downing, Hugh Steele	Linthicum, Somervell
Dvorken, Leo	Little, Frank James, Jr.
Engle, Joseph Redman, Jr.	Loder, John Everett
Ericson, James Walden	Logan, Robert Gill
Falge, Raymond Louis, Jr.	Matteson, Robert Steere
Fascione, Daniel Roland	Mattson, Norman deWolfe
Fernandez, Kenneth Leroy	McCurdy, Kenneth Forester
Fithian, William Wallace, Jr.	Meserole, John Secor Sumner
Flight, John William, Jr.	Millsbaugh, Frederick Weller, Jr.
Forker, Edson Lee	Moore, Paul Whitton
Frazer, Joseph Hugh, Jr.	Morris, Lawrence Charles, Jr.
Fuller, David Stemple	Morrison, Henry William
Fuller, George Cain	Nash, George
Garrity, John Francis, Jr.	Nevitt, Robert Levick Morgan
Goldsmith, Thomas Holmes	O'Neill, David Clark
Good, Roger Conrad	Parkhurst, Peter Holden
Goodall, Homer Randall	Perot, Thomas Morris, IV
Groves, Robert Gordon, Jr.	Phipps, Allen Belding
Gundry, Richard Keitley	Piotrow, Frederick Jackson
Haines, William Fisher, II	Reed, Harvey Edward
Hansell, Norris	Reynolds, Robert Richard
Harris, John Charles	Rich, Edward Percy
Hellwege, Conrad Frederick, Jr.	Richie, David Arthur
Helweg, Joseph Earley, Jr.	Richter, Harry Edward
Hickman, Herbert Wilbur	Roberts, Clifford Evans, Jr.
Hillis, Jon Kenneth	Rose, Carl Hansen

Saidel, Burt Richard
Scherer, Robert Crist
Schlegel, George David
Schmitz, John Peter
Sechrest, Robert Cadwell
Seeley, Robert Thomas
Shuman, Labron Kaiser
Smith, John Norton, Jr.
Somerndike, John Mason
Stansbury, Philip Roger
Steely, John Edwin, Jr.
Stein, Joseph Henry, Jr.
Tabbutt, Frederick Dean
Taylor, Howard Gardiner, III
Thomas, Lewis Jones, Jr.

Tice, Gregory
Tomec, John Richard
Trump, Charles Edward
Vance, Philip Graham
Van Sickle, James Hixon
Werner, Gordon
Wightman, William Adams
Wilson, David Close
Winn, Mitchell
Wood, Peter Hodgson
Wood, Richard Reeve, Jr.
Wood, Thomas Atherholt
Wood, William Meredith, Jr.
Young, Robert Kaiser

SECOND TERM

Bledsoe, Carter Diffey
Briod, Andre Ernest
Broadbelt, Blayne Donald
Carroll, John MacGregor
Craig, Donald Keith, Jr.
Crowley, Jerome Francis, Jr.
Echegaray, Miguel, Jr.
Freund, Gerald
Gilpin, Vincent, Jr.
Glover, Thomas Reeves
Hall, Robert Tucker
Hartman, Robert Hill
Haviland, Peter Robbins
Johnston, Robert Atkinson

Kirk, Donald Graves
Loebelenz, Donald Eugene
Oliver, Peter
Osler, Frederic Bruce, Jr.
Papoulis, Basile
Roberts, Garrett, Jr.
Ruth, Thomas Nelson
Stott, Charles Earl
Totah, Nabil Marshall
Wallerstein, Edward Perry
Webb, Peter Walker
Wirt, John Belding
Woodward, Thomas Mullen, Jr.

THIRD TERM

Atkinson, Robert Wharton
Austin-Small, Peter O.C., Jr.
Bair, William Langham
Barnes, Richard Kendrick
Baur, Philip John, Jr.
Bliss, Howard
Boger, William Monroe
Boissevain, Jeremy Fergus
Brieger, Henry Arthur Nicholas
Butler, Robert George, III
Chandler, Donald, Jr.
Chantiles, Nicholas Gus
Chase, Robert Silmon, Jr.
Collins, Robert McVickar
Cone, Sydney M., III
Cummins, Peter West
Darlington, William Hare
Deweese, David Alan
Eller, Richard Warren

Elliott, William Austin
Ewald, Henry Philip
Foley, Robert Tappan
Forsythe, Thomas Roberts
Franke, Robert Johan
Gailley, Joseph Anderson
Getman, Burrill Myers, Jr.
Gould, Peter
Grant, Edgerton
Gray, William Summerfield, Jr.
Greene, Charles Moores
Greene, Joseph Henry, Jr.
Greenwood, Richard Jackson
Gushee, Lawrence Arthur, Jr.
Guttmacher, Jonathan Adolf
Halpern, Eli Benjamin
Hammond, Robert Alexander, Jr.
Hardy, Daniel Wayne
Heberton, Craig, III

Henne, Earl John
Herzel, Frank Benton, Jr.
Hetzel, Frederic Valerius, II
Hibberd, Edward Norman, Jr.
Hopkins, John Marsh
Hudson, James Wallace
Ives, Robert Trull
James, Donald Wiles, Jr.
Jenney, Peter Borie
Johnson, Ashmore Clark, Jr.
Jones, Edgar Arnold
Jones, Roger Franklin
Keetz, Francis A.
Killian, John Randolph, Jr.
Kirk, Richard Augustus
Lamphere, George Elwood
Lande, Peter Wolfgang
Leonard, Lawrence Marvin
Loeb, Eric
Loechel, Lloyd Orlando, Jr.
Lush, Stanley Gale
Macbeth, Charles Edward
Mactye, David Craig
Mayer, David Paul
McDermott, Leo Dennis
McKenzie, Alfred Bailey
Mead, Richard Key
Melcher, William Diehl Lober
Messick, Ralph Richard

Miller, Harold Augustus Schaeffer
Milner, Paul Chambers
Murdoch, Guy Charles
Nelson, Kenneth Roy, Jr.
Newbold, Richard Warren
Newton, Robert Scott
Norris, Richard Alfred, Jr.
Norton, Nicholas
Perham, George Porter
Philips, Robert Newton
Pike, Burton Emanuel
Rosenbaum, Carl Peter
Shanks, Hershel
Sharp, John Van Alstyne
Solem, G. Alan
Sorg, Warren Roger
Sterner, Paul Leonard, Jr.
Tapke, Peter Frank
Townsend, Wilson Lewis, Jr.
Wagner, John Calvin
Western, David Stemple
Whitaker, Robert Chase, Jr.
Willis, David Peter
Wilson, Frederick Thomas
Wilson, Richard Eli
Woll, John William, Jr.
Wurster, Charles Frederick, Jr.
Young, Donald Lambert

FOURTH TERM

Allan, William Donald
Amussen, Donald Sinclair
Birdsall, Charles Benson
Crolius, Allen Potter
Dayton, Allan Shea, Jr.
Deacon, Drew Walter
Fey, Curt
Geckeler, Edwin Oscar, Jr.
Griffith, Charles Drake
Haring, Lee
Jowers, Victor Thomas Arthur
Kemmerer, John LeRoy
Loucks, Walter Bott, Jr.

McCarger, Donald Edward
McNutt, Thomas Raymond
Melick, Richard Patton
Moran, Robert Emmet, Jr.
Moritz, John Alan
Oberembt, Richard Joseph
Scheffey, Andrew J. Werner
Sutton, Robert Leeds
Thomas, John Wright
Welsh, Charles Newbold
Willoughby, Alan Thomas
Young, Walter George

FIFTH TERM

Abbott, Henry David
Autenreith, Laurence Hunter
Baltzell, Richard Benson
Bell, John Ernest
Bellinger, Edgar Thomson
Boteler, William Pierce
Boyd, James Cheyne
Brown, James Davidson, Jr.

Brown, Joseph Clinton
Brown, Robert DePue
Cadwallader, Gouverneur
Cameron, Richard Morgan, Jr.
Carlson, Oscar William, Jr.
Cates, Paul Barker
Colman, Samuel, Jr.
Conant, Richard Keith, Jr.

Conklin, William Thaddeus, III
Cooney, John Joseph
Cragin, Harold Isaiah
Curtis, Nevius Monet
Cutting, Hunter Opperman
Davison, John Herbert
Deaton, Louis Crosby
Dennison, Stanford Charles
Deweese, Allen Hilles
Dodge, John Lamphere
Dolbeare, Kenneth Marsh
Eberly, Richard Jewell
Edgerton, Philip
Edmiston, Robert Beverly
Feeser, Paul Thomas
Fife, John Dustin
Ford, Floyd Filmore, Jr.
Freeman, Robert Whiting
French, James Cummings
Garbaty, Thomas Jay
Gardiner, John Brooke
Garrison, Harry Elwood
Hansen, Willard Bernard
Harris, Donald Benjamin
Hoehler, Harry Heyden
Hoopes, Charles Dallett
Hudson, Samuel Walter Grafflin
Huffman, Richard Myall
Hume, John Mitchell
Jardine, William, II
Keetz, Edward Joseph
Kimmich, Ferdinand Scott
Kratz, Wayne Thomas
Kunkel, Robert Boroff
Leib, Gilbert Middleton Patten
Lightfoot, Clark Thompson
Lind, Frederick John, Jr.
Lung, Louis
Mathis, James Leslie

Matlack, William Fawley
Melcher, William Palmer
Milligan, Barton
Milyko, Alexander Busch
Morley, Anthony Jefferson
O'Neill, Howard Tiel
Patterson, Edward Bell, Jr.
Paulson, John Frederick
Peden, James Clark, Jr.
Peniche, William Manuel
Prockop, Darwin Johnson
Putney, William Taylor, III
Quillen, Robert James, Jr.
Ranck, James Byrne, Jr.
Rice, James William
Roberts, Francis Herbert
Searle, Clayton Stanley, Jr.
Sears, Donald Frederick, Jr.
Segal, Richard Malcolm
Sharpless, Francis Parvin, Jr.
Shiple, Paul Emlen
Shoemaker, J. Howard
Spaeth, Karl Henry
Steere, Peter Kormann
Steere, Thomas Hopkins
Sutcliffe, Robert
Taboga, Diogenes Anthony Henry
Tassman, William Samuel
Thoran, Peter Karl-Otto
Tollin, Solis
Trenor, Jack Lawrence
Trumper, David Keim
Tucker, Robert Newbold
Vedova, Harold Frederick
Westhead, Edward William, Jr.
Wilbur, Donald Elliott, Jr.
Wixon, William David
Zerrer, John Gehri

SIXTH TERM

Adimora, Samual Nwanneka Nwobodo
Amussen, Christopher Robin
Barker, Harold Joseph
Betson, Robert Boyd
Betson, Wesley Rhodes
Billo, Joseph Geoffroy
Brown, Robert Edwin
Clayton, Allen Bartholomew
Feroe, Richard Alan
Flanders, Philip James
Flint, Peter Boone
Holcombe, John Lyndon
Hollingshead, Irving, Jr.
Johnston, Jon Jolyon
Knowlton, Andrew Mutch
MacIntosh, Walter Bruce, Jr.

Maroney, Philip Marvel
Mathias, Edward Trail
McCarn, Davis Barton
Metcalf, Richard John
Miller, Frederick Stahl, Jr.
Miller, William Beard
Ridington, Thomas MacKay
Rowe, David Knox
Smith, Merle Burleigh
Tatnall, Runcie Lea, Jr.
Thornton, Thomas Perry
Todd, John Arnold
Vail, Philip Cresson
Wilson, Ernest Staton, Jr.
Zweifler, Andrew Jonathan

SEVENTH TERM

Acton, John Thomas
 Baldwin, Gordon Brewster
 Blasius, Leslie Gordon
 Blum, David Meyer
 Boyd, Andrew, Jr.
 Brick, Allan Randall
 Brown, Edwin Louis
 Carman, John Braisted
 Carrington, George Cabell, Jr.
 Cheyette, Herbert Basil
 Cole, Don Hagler
 Collier, Reginald Bruce
 Colman, George Dickson
 Cooper, Everett Bruen
 Dallett, Francis James, Jr.
 Deitz, James Gilbert
 Doane, John Winthrop
 Durling, James Alger
 Dyson, John Colter
 Eastman, Albert Theodore
 Edmonds, Thomas Hartley
 Ensign, Winter Gehring
 Fletcher, Richard McClurg
 Foster, James Henry
 Gately, Edward Joseph, Jr.
 Gilbert, Charles Edward
 Griste, Richard deHaven
 Harden, David Stewart
 Harper, Lee Richard
 Hastings, James Babbitt
 Herman, David Ovenden
 Hickman, Hoyt Leon
 Hobart, John Hampden
 Hughes, Charles Martin
 Imhof, Lawrence George
 Jamison, Edgar Merritt, Jr.
 Jones, Aldred Wilson
 Katz, John Zadoch
 Klein, Gilbert Wood
 Laity, Richard Warren
 Linthicum, William Abner, Jr.
 Lucine, Andrew Deran
 Manwiller, Karl Samuel, Jr.
 Martin, Donald Beckwith
 Marvin, John Howell Williams
 Mateer, George Diehl, Jr.
 McKinley, Richard Smallbrook, III

Morrell, Roger Merritt
 Moser, Kenneth Miles
 Myers, Richard Norman
 Nason, Harry Baxter
 Oppenheim, Daniel Payne
 Ouellette, Armand Roland
 Packard, Merlin Wadsworth
 Parke, Robert, Jr.
 Peifer, William Snare
 Pennington, Richard Maier
 Philips, David Evan
 Pierson, Phillip Milroy
 Pollard, Robert, III
 Rankin, Richard Entwisle
 Reeder, Rudolph Rex, Jr.
 Reninger, Charles William
 Rhoads, William Lester, III
 Rodewald, William Young
 Rudisill, Rufus Clare
 Sangree, Walter Hinchman
 Schwartz, William
 Segal, Arthur Gilbert
 Smith, Paul Reynolds
 Snader, Edward Roland, III
 Sniffen, Allan Mead
 Snipes, Edgar Thomas, Jr.
 Stanmyer, Joseph LeRoy, Jr.
 Stern, Harris Irving
 Stern, Thomas Louis
 Stettenheim, Peter Rich
 Strohl, Harold Frederick
 Swartley, William Moyer
 Test, Edward Webster
 Tilley, David Campbell
 Todd, Thomas Abbot
 Turley, Keith Harold
 Van Arkel, Bernard
 Vitello, John Arthur
 Vogel, William Whitten
 Walker, Ian Gordon
 Whittall, Walter Brinton
 Wickham, Robert Saunderson, II
 Wightman, Arthur Harvey
 Wood, Horatio C., IV
 Wood, James
 Zimmerman, Thomas Carskadon

EIGHTH TERM

Allen, Robert Walker
 Barnes, Joseph Aloysius, Jr.
 Barrows, William Monroe
 Bentley, Wray Davison, Jr.

Bishop, William Spotswood
 Bottom, Gordon Bishop
 Brawner, David Montgomery
 Cooper, Brooks Baxter

Flaherty, Joseph Paul
Gerlach, Thomas Bradfield
Greenwald, Stanley Morton
Healey, Robert Joseph
Hough, William Jarrett Hollowell, Jr.
Jackson, John Albert
Kimmich, Homer Marshall
Kirk, Robert Louis, Jr.

Lucas, Robert Moreland
Melchior, Charles Montfort
Parran, Richard Bentley
Pennypacker, Edward L.
Seder, Eugene Isaac
Seligsohn, Walter Israel
Sener, Joseph Ward, Jr.
White, Robert Blackiston

NINTH TERM

Conklin, George Lewis

GRADUATE STUDENTS

Berman, Albert Anatole
Meldrum, Donald N.
Renn, Frank

Siceloff, Courtney Parker
Stenhouse, Richard Eugene

SPECIAL STUDENTS

Lusson, Louis Camille Olry
Segal, Marvin
Steer, Jean Kell (Mrs. Alfred)

Weber, Nancy Elizabeth
Wylie, Anne Stiles (Mrs. L.)

Students alphabetically arranged showing the term in which they are enrolled during the First Semester 1949 - 1950.

NAME	TERM	NAME	TERM
Abbott, Henry David	5	Brown, Malcolm Spencer	1
Acton, John Thomas	7	Brown, Robert DePue	5
Adimora, Samuel Nwanneka Nwobodo	6	Brown, Robert Edwin	6
Allan, William Donald	4	Burge, John McDonald, Jr.	1
Allen, Reginald Edgar	1	Burt, Howard Graham	1
Allen, Robert Walker	8	Butler, Robert George, III	3
Amussen, Christopher Robin	6		
Amussen, Donald Sinclair	4		
Anderson, Roy Scott	1	Cadwallader, Gouverneur	5
Anderson, Thomas Minor, Jr.	1	Cameron, Richard Morgan, Jr.	5
Atkinson, Robert Wharton	3	Carlson, Oscar William, Jr.	5
Austin-Small, Peter Oswald Clifford	3	Carman, John Braisted	7
Autenreith, Laurence Hunter	5	Carrington, George Cabell, Jr.	7
		Carroll, John MacGregor	2
		Caskey, David Henry	1
Bair, Harry Hammond	1	Cates, Paul Barker	5
Bair, William Langham	3	Chandler, Donald, Jr.	3
Baldwin, Gordon Brewster	7	Chandler, Gail Ellsworth	1
Baltzell, Richard	5	Chantiles, Nicholas Gus	3
Barker, Harold Joseph, Jr.	6	Chase, Robert Silmon, Jr.	3
Barnes, Joseph Aloysius, Jr.	8	Cheyette, Herbert Basil	7
Barnes, Richard Kendrick	3	Clark, David Vibert	1
Barrows, William Monroe	8	Clayton, Allen Bartholomew	6
Baur, Philip John, Jr.	3	Cole, Don Hagler	7
Bell, John Ernest	5	Collier, Reginald Bruce	7
Bellinger, Edgar Thomson	5	Collins, Robert McVickar	3
Bentley, Wray Davison, Jr.	8	Colman, George Dickson	7
Benton, John Frederic	1	Colman, Samuel, Jr.	5
Berman, Albert Anatole	Gr	Conant, Richard Keith, Jr.	5
Betson, Robert Boyd	6	Cone, Sydney M., Jr.	3
Betson, Wesley Rhodes	6	Conklin, George Lewis	9
Billo, Joseph Geoffroy	6	Conklin, William Thaddeus, III	5
Birdsall, Charles Benson	4	Cooney, John Joseph	5
Bishop, William Spotswood	8	Cooper, Brooks Baxter	8
Bisson, Thomas Noel	1	Cooper, Everett Bruen	7
Blasius, Leslie Gordon	1	Coote, Robert James	1
Bledsoe, Carter Diffey	2	Corry, John Pitts	1
Bliss, Howard	3	Corson, Richard Howell	1
Blum, David Meyer	7	Cragin, Harold Isaiah	5
Bockol, Joel Maxwell	1	Craig, Donald Keith, Jr.	2
Boger, William Monroe	3	Crichlow, Robert William, III	1
Boissevain, Jeremy Fergus	3	Crolius, Allen Potter	4
Bomze, Paul Edward	1	Crowley, Jerome Francis, Jr.	2
Boteler, William Pierce	5	Cummins, Peter West	3
Bottom, Gordon Bishop	8	Curran, Robert Theodore	1
Boyd, Andrew, Jr.	7	Curtis, Nevius Minot	5
Boyd, James Cheyne	5	Cutting, Hunter Opperman	5
Brawner, David Montgomery	8		
Brick, Allen Randall	7		
Brieger, Henry Arthur Nicholas	3	Dallett, Francis James, Jr.	7
Briod, Andre Ernest	2	Darlington, William Hare	3
Broadbelt, Blayne Donald	2	Davis, William Browning, Jr.	1
Brobyn, Richard Dolde	1	Davison, John Herbert	5
Brown, Edwin Louis	7	Dayton, Allen Shea, Jr.	4
Brown, James Davidson, Jr.	5	Deacon, Drew Walter	4
Brown, Joseph Clinton	5	Deaton, Hugo Leroy	1

NAME	TERM	NAME	TERM
Deaton, Louis Crosby	5	Garrity, John Francis, Jr.	1
Deitz, James Gilbert	7	Gately, Edward Joseph, Jr.	7
Denman, David Nelson, Jr.	1	Geckeler, Edwin Oscar, Jr.	4
Dennison, Stanford Charles	5	Gerlach, Thomas Bradfield	8
Deweese, Allen Hilles	5	Getman, Burrill Myers, Jr.	3
Deweese, David Alan	3	Gilbert, Charles Edward	7
Dibble, Joseph Sherman	1	Gilpin, Vincent, Jr.	2
Dixon, John	1	Glover, Thomas Reeves	2
Doane, John Winthrop	7	Goldsmith, Thomas Holmes	1
Dodge, John Lanphere	5	Good, Roger Conrad	1
Dolbear, Kenneth Marsh	5	Goodall, Homer Randall	1
Downing, Hugh Steele	1	Gould, Peter	3
Durling, James Alger	7	Grant, Edgerton	3
Dvorken, Leo	1	Gray, William Summerfield, Jr.	3
Dyson, John Colter	7	Greene, Charles Moore	3
		Greene, Joseph Henry, Jr.	3
		Greenwald, Stanley	8
Eastman, Albert Theodore	7	Greenwood, Richard Jackson	3
Eberly, Richard Jewell	5	Griffith, Charles Drake	4
Echegaray, Miguel de	2	Griste, Richard deHaven	7
Edgerton, Philip	5	Groves, Robert Gordon, Jr.	1
Edmiston, Robert Beverly	5	Gundry, Richard Keitley	1
Edmonds, Thomas Hartley	7	Gushee, Lawrence Arthur, Jr.	3
Eller, Richard Warren	3	Gutmacher, Jonathan Adolf	3
Elliot, William Austin	3		
Engle, Joseph Redman, Jr.	1	Haines, William Fisher, II	1
Ensign, Winter Gehring	7	Hall, Robert Tucker	2
Ericson, James Walden	1	Halpern, Eli Benjamin	3
Ewald, Henry Philip	3	Hammond, Robert Alexander, Jr.	3
		Hansell, Norris	1
Falge, Raymond Louis, Jr.	1	Hansen, Willard Bernard	5
Fascione, Daniel Roland	1	Harden, David Stewart	7
Feeser, Paul Thomas	5	Hardy, Daniel Wayne	3
Fernandez, Kenneth Leroy	1	Haring, Lee	4
Feroe, Richard	6	Harper, Lee Richard	7
Fey, Curt	4	Harris, Donald Benjamin	5
Fife, John Dustin	5	Harris, John Charles	1
Fithian, William Wallace, Jr.	1	Hartman, Robert Hill	2
Flaherty, Joseph Paul	8	Hastings, James Babbitt	7
Flanders, Philip James	6	Haviland, Peter Robbins	2
Fletcher, Richard McClurg	7	Healey, Robert Joseph	8
Flight, John William, Jr.	1	Heberton, Craig	3
Flint, Peter Boone	6	Hellwege, Conrad Frederick, Jr.	1
Foley, Robert Tappan	3	Helweg, Joseph Earley, Jr.	1
Ford, Floyd Filmore, Jr.	5	Henne, Earl John	3
Forker, Edson Lee	1	Herman, David Ovenden	7
Forsythe, Thomas Roberts	3	Herzel, Frank Benton, Jr.	3
Foster, James Henry	7	Hetzal, Frederic Valerius	3
Franke, Robert Johan	3	Hibberd, Edward Norman, Jr.	3
Frazer, Joseph Hugh, Jr.	1	Hickman, Herbert Wilbur	1
Freeman, Robert Whiting	5	Hickman, Hoyt Leon	7
French, James Cummings	5	Hillis, Jon Kenneth	1
Freund, Gerald	2	Hitchcock, John Raymond	1
Fuller, David Stemple	1	Hobart, John Hampden	7
Fuller, George Cain	1	Hoehler, Harry Heyden	5
		Holcombe, John Lyndon	6
		Hollingshead, Irving, Jr.	6
Gailey, Joseph Anderson	3	Hollingshead, Jean Paul	1
Garbaty, Thomas Jay	5	Hollmann, Bruce Ziegler	1
Gardiner, John Brooks	5	Hoopes, Charles Dallett	5
Garrison, Harry Elwood, Jr.	5	Hopkins, John Marsh	3

NAME	TERM	NAME	TERM
Hough, William Jarrett Hollowell, Jr.	8	Leger, Francois Treville	1
Howson, Hubert Farnham	1	Leggett, John Milton	1
Hudson, James Wallace	3	Leib, Gilbert Middleton Patten	5
Hudson, Samuel Walter Grafflin	5	Leibold, Arthur William	1
Huene, Herbert Arthur	1	Leonard, Lawrence Marvin	3
Huffman, Richard Myall	5	Lewis, Andrew Lindsay, Jr.	1
Hughes, Charles Martin	7	Lightfoot, Clark Thompson	5
Hume, John Mitchell	5	Lind, Frederick John, Jr.	5
Hummel, Ira Lee Cottrell, Jr.	1	Lingeman, Richard Roberts	1
Hurtubise, Wayne Cornelius Arthur	1	Linthicum, Somervell	1
		Linthicum, William Abner, Jr.	7
		Little, Frank James, Jr.	1
Imhof, Lawrence George	7	Loder, John Everett	1
Isay, Milton Henry, Jr.	1	Leob, Eric	3
Ives, Robert Trull	3	Leobelenz, Donald Eugene	2
		Loechel, Lloyd Orlando, Jr.	3
		Logan, Robert Gill	1
Jackson, John Albert	8	Loucks, Walter Bott, Jr.	4
James, Donald Wiles, Jr.	3	Lucas, Robert Moreland	8
Jamison, Edgar Merritt, Jr.	7	Lucine, Andrew Deran	7
Jardine, William, II	5	Lung, Louis	5
Jenney, Peter Borie	3	Lush, Stanley Gale	3
Johnson, Ashmore Clark, Jr.	3	Lusson, Louis Camille Olry	S.S.
Johnston, Jon Jolyon	6		
Johnston, Robert Atkinson	2	Macbeth, Charles Edward	3
Jones, Aldred Wilson	7	MacIntosh, Walter Bruce, Jr.	6
Jones, Edgar Arnold Newton	3	Mactye, David Craig	3
Jones, Roger Franklin	3	Manwiller, Karl Samuel, Jr.	7
Jowers, Victor Thomas Arthur	4	Maroney, Philip Marvel	6
		Martin, Donald Beckwith	7
Katz, John Zadoch	7	Marvin, John Howell Williams	7
Keetz, Edward Joseph	5	Mateer, George Diehl, Jr.	7
Keetz, Francis A.	3	Mathias, Edward Trail	6
Kemmerer, John Leroy	4	Mathis, James Leslie	5
Kidney, Walter Curtis, Jr.	1	Matlack, William Fawley	5
Killian, John Randolph, Jr.	3	Matteson, Robert Steere	1
Kimmich, Ferdinand Scott	5	Mattson, Norman deWolfe	1
Kimmich, Homer Marshall	8	Mayer, David Paul	3
King, John Walter	1	McCarger, Donald Edward	4
Kirk, Donald Graves	2	McCarn, Davis Barton	6
Kirk, Richard Augustus	3	McCurdy, Kenneth Forester	1
Kirk, Robert Louis, Jr.	8	McDermott, Leo Dennis	3
Kittredge, John Anson Douglas	1	McKenzie, Alfred Bailey	3
Klein, Gilbert Wood	7	McKinley, Richard Smallbrook, III	7
Knowlton, Andrew Mutch	6	McNutt, Thomas Raymond	4
Kopf, Theodore John	1	Mead, Richard Key	3
Kratz, Wayne Thomas	5	Melcher, William Diehl Lober	3
Kumm, Karl Ward Graham	1	Melcher, William Palmer	5
Kunkel, Robert Boroff	5	Melchior, Charles Montfort	8
Kurtz, Stewart Kendall	1	Meldrum, Donald N.	G.R.
		Melick, Richard Patton	4
		Meserole, John Secor Sumner	1
		Messick, Ralph Richard	3
Lafer, Dennis Joseph	1	Metcalfe, Richard John	6
Laity, Richard Warren	7	Miller, Frederick Stahl, Jr.	6
Lamperti, John William	1	Miller, Harold Augustus Schaeffer	3
LampHERE, George Elwood	3	Miller, William Beard	6
Lande, Peter Wolfgang	3	Milligan, Barton	5
Lane, George Whitney	1	Millsbaugh, Frederick Weller, Jr.	1
Lane, Richard Thatcher, Jr.	1	Milner, Paul Chambers	3
Ledeboer, John William, Jr.	1	Milyko, Alexander Busch	5
Leeds, Robert West, Jr.	1	Moore, Paul Whitton	1

NAME	TERM	NAME	TERM
Moran, Robert Emmet, Jr.	4	Renn, Frank	Gr
Moritz, John Alan	4	Reynolds, Robert Richard	1
Morley, Anthony Jefferson	5	Rhoads, William Lester, III	7
Morrell, Roger Merritt	7	Rice, James William, Rev.	5
Morris, Lawrence Charles, Jr.	1	Rich, Edward Percy	1
Morrison, Henry William	1	Richie, David Arthur	1
Moser, Kenneth Miles	7	Richter, Harry Edward	1
Murdoch, Guy Charles	3	Ridington, Thomas MacKay	6
Myers, Richard Norman	7	Roberts, Clifford Evans, Jr.	1
		Roberts, Francis Herbert	5
		Roberts, Garrett, Jr.	2
Nash, George	1	Rodewald, William Young	7
Nason, Harry	7	Rose, Carl Hansen	1
Nelson, Kenneth Roy, Jr.	3	Rosenbaum, Carl Peter	3
Nevitt, Robert Leveck Morgan	1	Rowe, David Knox	6
Newbold, Richard Warren	3	Rudisill, Rufus Clare	7
Newton, Robert Scott	3	Ruth, Thomas Nelson	2
Norris, Richard Alfred, Jr.	3		
Norton, Nicholas	3	Saidel, Burt Richard	1
		Sangree, Walter Hinchman	7
Oberembt, Richard Joseph	4	Scheffey, Andrew J. Werner	4
Oliver, Peter	2	Scherer, Robert Crist	1
O'Neill, David Clark	1	Schlegel, George David	1
O'Neill, Howard Teil	5	Schmitz, John Peter	1
Oppenheim, Daniel Payne	7	Schwartz, William	7
Osler, Frederic Bruce, Jr.	2	Searle, Clayton Stanley, Jr.	5
Ouellette, Armand Roland	7	Sears, Donald Frederick, Jr.	5
		Sechrest, Robert Cadwell	1
Packard, Merlin Wadsworth	7	Seder, Eugene Isaac	8
Papoulis, Basile	2	Seeley, Robert Thomas	1
Parke, Robert, Jr.	7	Segal, Arthur Gilbert	7
Parran, Richard Bentley	8	Segal, Marvin	S.S.
Parkhurst, Peter Holden	1	Segal, Richard Malcolm	5
Patterson, Edward Bell	1	Seligsohn, Walter Israel	8
Paulson, John Frederick	5	Sener, Joseph Ward, Jr.	8
Peden, James Clark	5	Shanks, Hershel	3
Peifer, William Snare	7	Sharp, John Van Alstyne	3
Peniche, William Manuel	7	Sharpless, Francis Parvin, Jr.	5
Pennington, Richard Maier	5	Shiple, Paul Emlen	5
Pennypacker, Edward Lane	8	Shoemaker, J. Howard	5
Perham, George Porter	3	Shuman, Labron Kaiser	1
Perot, Thomas Morris, IV	1	Siceloff, Courtney Parker	Gr
Philips, David Evan	7	Smith, John Norton, Jr.	1
Philips, Robert Newton	3	Smith, Merle Burleigh	6
Phipps, Allen Belding	1	Smith, Paul Reynolds	7
Pierson, Phillip Milroy	7	Snader, Edward Roland, III	7
Pike, Burton Emanuel	3	Sniffen, Allen Mead	7
Piotrow, Frederick Jackson	1	Snipes, Edgar Thomas, Jr.	7
Pollard, Robert, III	7	Solem, G. Alan	3
Prockop, Darwin Johnson	5	Somerndike, John Mason	1
Putney, William Taylor, III	5	Sorg, Warren Roger	3
		Spaeth, Karl Henry	5
Quillen, Robert James, Jr.	5	Stanmyer, Joseph Leroy, Jr.	7
		Stansbury, Philip Roger	1
		Steele, John Edwin, Jr.	1
		Steer, Jean Kell (Mrs.)	S.S.
		Steere, Peter Kormann	5
		Steere, Thomas Hopkins	5
Rank, James Byrne, Jr.	5	Stein, Joseph Henry, Jr.	1
Rankin, Richard Entwisle	7	Stenhouse, Richard Eugene	Gr
Reeder, Rudolph Rex, Jr.	7	Stern, Harris Irving	7
Reed, Harvey Edward	1	Stern, Thomas Louis	7
Reninger, Charles William, II	7		

NAME	TERM	NAME	TERM
Sterner, Paul Leonard, Jr.	3	Wagner, John Calvin	3
Stettenheim, Peter Rich	7	Walker, Ian Gordon	7
Stott, Charles Earl	2	Wallerstein, Edward Perry	2
Strohl, Harold Frederick	7	Webb, Peter Walker	2
Sutcliffe, Robert	5	Weber, Nancy Elizabeth	S.S.
Sutton, Robert Leeds	4	Welsh, Charles Newbold	4
Swartley, William Moyer	7	Werner, Gordon	1
		Western, David Stemple	3
		Westhead, Edward William, Jr.	5
		Whitaker, Robert Chase, Jr.	3
		Whitall, Walter Brinton	7
Tabbutt, Frederick Dean	1	White, Robert Blackiston	8
Taboga, Diogenes Anthony Henry	5	Wickham, Robert Saunderson, II	7
Tapke, Peter Frank	3	Wightman, Arthur Harvey	7
Tassman, William Samuel	5	Wightman, William Adams	1
Tatnall, Runcie Lea	6	Wilbur, Donald Elliot, Jr.	5
Taylor, Howard Gardiner, III	1	Willis, David Peter	3
Test, Edward Webster	7	Willoughby, Alan Thomas	4
Thomas, John Wright	4	Wilson, David Close	1
Thomas, Lewis Jones, Jr.	1	Wilson, Ernest Staton, Jr.	6
Thoran, Peter Karl-Otto	5	Wilson, Frederick Thomas	3
Thornton, Thomas Perry	6	Wilson, Richard Eli	3
Tice, Gregory	1	Winn, Mitchell	1
Tilley, David Campbell	7	Wirt, John Belding	2
Todd, John Arnold	6	Wixom, William David	5
Todd, Thomas Abbot	7	Woll, John William, Jr.	3
Tollin, Solis	5	Wood, Horatio C., IV	7
Tomec, John Richard	1	Wood, James	7
Totah, Nabil Marshall	2	Wood, Peter Hodgson	1
Townsend, Wilson Lewis, Jr.	3	Wood, Richard Reeve, Jr.	1
Treynor, Jack Lawrence	5	Wood, Thomas Atherholt	1
Trump, Charles Edward	1	Wood, William Meredith, Jr.	1
Trumper, David Keim	5	Woodward, Thomas Mullen, Jr.	2
Tucker, Robert Newbold	5	Wurster, Charles Frederick, Jr.	3
Turley, Keith Harold	7	Wylie, Anne (Mrs.)	S.S.
		Young, Donald Lambert	3
Vail, Philip Cresson	6	Young, Robert Kaiser	1
Van Arkel, Bernard	7	Young, Walter George	4
Vance, Philip Graham	1		
Van Sickle, James Hixon	1		
Vedova, Harold Frederick	5	Zerrer, John Gehri	5
Vitello, John Arthur	7	Zimmerman, Thomas Carskadon	7
Vogel, William Whitton	7	Zweifler, Andrew Jonathan	6

COMMENCEMENT

JUNE TWELFTH

1948

PRIZES

The Clementine Cope Fellowship for 1948-49
for graduate study at another institution
has been awarded to

SILAS JAY GINSBURG, 1947

MARTIN JULIUS OPPENHEIMER, 1948

The Mathematics Department Prizes for Freshmen

First PrizeDAVIS BARTON McCARN, 1951

Second PrizeSTEVEN HSIENWEN NYI, 1951

The Alumni Prize for Composition and Oratory
has been awarded to

JOHN BRAISTED CARMAN, 1950

The William Ellis Scull Prize

for the upper classman who shall have shown the
"greatest achievement in voice and the articulation
of the English language" has been awarded to

WILLIAM SPOTSWOOD BISHOP, 1950

The Scholarship Improvement Prizes for the two Seniors who have shown
the most steady and marked improvement in scholarship during the college
course have been awarded as follows:

First Prize.....LEON CLEVELAND ROBBINS, JR., 1945

Second Prize.....CARL FREDERIC SCHMIDT, JR., 1945

The John B. Garrett Prize for Systematic Reading
has been awarded to:

RICHARD KENNETH DORN, 1948

The Class of 1896 Prize in Latin and Mathematics
for Sophomores has been awarded to

WILLIAM HAMER WARNER, 1950

The Lyman Beecher Hall Prize in Chemistry
for Juniors, Seniors or Graduates within three years of graduation who
expect to engage in research has been awarded to

HOWARD WARNER STARKWEATHER, JR., 1947

The Class of 1902 Prize in Latin for Freshmen
has been awarded to

PAUL BELL MOSES, 1951

The Founders Club Prize for Freshmen who have shown the best atti-
tude toward college activities and scholastic work has been awarded to

PAUL BELL MOSES, 1951

PAUL EMLÉN SHIPLEY, 1951

The George Peirce Prize in Chemistry or Mathematics offered exclusively
for students who expect to engage in research has been awarded to

EDWARD STUBBS WHEELER, 1948

The Newton Prize in English Literature
on the basis of Final Honors in English
has been awarded to

HENRY GERMAN HOOD, JR., 1949

HONOR SOCIETIES

The following students were elected to the
PHI BETA KAPPA SOCIETY

CHARLES SEYMOUR ALDEN, 1944
WILLIAM RICHMOND CLARK, 1948
ANSON BIXLER GOOD, 1946
EDWARD HAVEN HANDY, JR., 1945
HENRY GERMAN HOOD, JR., 1949
MARTIN JULIUS OPPENHEIMER, 1948
CLOYD MARVIN, 1947
RICHARD ARNOLD RICKS, III, 1945
LEON CLEVELAND ROBBINS, JR., 1945
STEWART PORTERFIELD SCHNEIDER, 1946
AUREL MARTIN SEIFERT, 1948
HOWARD WARNER STARKWEATHER, JR., 1947
LAWRENCE D. STEEFEL, JR., 1947
JOHN TURNER WHITMAN, 1948
ROBERT DELAND WILLIAMS, 1949

The following students were elected to

TAU KAPPA ALPHA

National Honorary Debating Fraternity

DAVID MEYER BLUM, 1950
WALTER ISRAEL SELIGSOHN, 1947
ELLIS PAUL SINGER, 1949

The following students were elected to the

FOUNDERS CLUB

for merit in both studies and college activities:

During 1946

MONROE EDWARD ALENICK, 1948

JAMES ARCHIBALD JACOB, JR., 1948

JOHN TURNER WHITMAN, 1948

During 1947

LAWRENCE HENDERSON CANAN, JR., 1946

BENJAMIN McVICKAR COLLINS, 1948

BEN ZION LEUCHTER, 1946

JAMES QUINTER MILLER, 1949

STEPHEN RABEN MILLER, 1949

GEORGE ELSON RUFF, JR., 1949

ELLIS PAUL SINGER, 1949

RICHARD EDWIN SPATZ, 1946

JAMES HANCOCK THORPE, 1949

During 1948

ROBERT GRAHAM HOSKINS, 1949

WILLIAM MARSHALL LEE, 1946

KENNETH MILES MOSER, 1950

JOHN ROGERS WILCOX, 1949

HONORS

HIGH HONORS

EDWARD HAVEN HANDY, JR., 1945.....	Spanish
HENRY GERMAN HOOD, JR., 1949.....	English
CLOYD MARVIN, 1947.....	Mathematics
PAUL WINSOR STEERE, 1948.....	Political Science
WILLIAM MELCHER WHITBY, 1949.....	Spanish
ROBERT DELAND WILLIAMS, 1949.....	Political Science

HONORS

CHARLES SEYMOUR ALDEN, 1944	History
WILLIAM RICHMOND CLARK, 1948.....	Chemistry
RICHARD KENNETH DORN, 1948	English
IAN HUEBSCH, 1947.....	Mathematics
RICHARD WILSON POWER, 1948.....	Political Science
RICHARD ARNOLD RICKS, III, 1945.....	Philosophy
LEON CLEVELAND ROBBINS, JR., 1945.....	Mathematics
MARTIN SANDERS, 1947	Biology
CARL FREDERIC SCHMIDT, JR., 1945.....	English
AUREL MARTIN SEIFERT, 1948	Physics
HOWARD WARNER STARKWEATHER, JR., 1947.....	Chemistry
EDWARD STUBBS WHEELER, 1948.....	Chemistry

PRELIMINARY HONORS

CHARLES DANIEL BRODHEAD, 1949	Psychology
ELLIS PAUL SINGER, 1949.....	Chemistry
JAMES HANCOCK THORPE, 1949.....	Biology

HONORABLE MENTION

GOETZ MAYER, 1950	English 2a
ANTHONY JEFFERSON MORLEY, 1951.....	History 1
RICHARD NORMAN MYERS, 1950	English 2a
PAUL BELL MOSES, 1951.....	Latin 7, Spanish 5
DANIEL PAYNE OPPENHEIM, 1950.....	Music S-3
GILBERT MIDDLETON PATTEN LEIB, 1951.....	Chemistry 2a, 3b
DARWIN JOHNSON PROCKOP, 1951.....	Mathematics 1
KARL HENRY SPAETH, 1951.....	English 2b, Spanish 2
DIOGENES ANTHONY HENRY TABOGA, 1951.....	Engineering 1a, 2b

DEGREES

BACHELORS OF ARTS

JEREMY ADDOMS
CHARLES SEYMOUR ALDEN
ELWOOD TATE BAKER
CARL TAYLOR BOND
CHARLES M. BOTELER, JR.
JOHN HATHAWAY BUSH
DAVID GARDNER BUTTRICK
CREDE CRESPI CALHOUN
LAWRENCE HENDERSON CANAN, JR.
WARD CALVIN CASE
JOHN WILSON CLARK
BENJAMIN McVICKAR COLLINS
ROBERT MONTGOMERY DAVENPORT
WILLIAM TAYLOR DELP
GEORGE LORD DESCHWEINITZ, JR.
HUGH McILVAIN EDGERTON
GUNTHER FRANKL
JOHN ROBERT GAILEY, JR.
JOHN FRANK GEBHARDT
ANSON BIXLER GOOD
GERALD CONNOP GROSS, JR.
ALFRED DURANT GROSSMAN
EDWARD HAVEN HANDY, JR.
JOHN NORMAN HAUSER
ROBERT RANDALL HENDON, JR.
ROBERT EARL HENDERSON
HENRY GERMAN HOOD, JR.
IAN HUEBSCH
RALPH BARNES JACKSON
CORSON JONES
ROBERT ANDERSON KLEIN
BERTRAM MYRON KUMMEL
WALTER ASBURY LAITY
JOHN WALTER LARSON
WILLIAM MARSHALL LEE, II
HENRY WALTER LEVINSON
TA-KUANG LI
SAMUEL MASON, III
DONALD HENRY McCANDLISS
JOHN MADISON McCLOUD
JOHN GERARD McLAUGHLIN, JR.
ALBERT GREGORY MORRIS
HENRY THOMAS NASH
DANIEL DRETZKA OLIVIER
PETER SCOTT OLMSTED
MARTIN JULIUS OPPENHEIMER
CHARLES EDWARD PANCOAST, III
JOHN WILLIAM PIERSON, JR.
ROBERT NELSON PRICE
LEON CLEVELAND ROBBINS, JR.
RICHARD CAESER ROGOFF
CHARLES OSCAR ROSE
GEORGE ELSON RUFF, JR.
MARTIN SANDERS
CHARLES SPAHR SANGREE
CARL FREDERIC SCHMIDT, JR.
JAMES ALBERT SCHNAARS
RICHARD WALDRON SCHUMAN
GEORGE HUBERT SCOTT
FRANCIS SMILEY, JR.
DRAYTON MELLOR SMITH
RICHARD EDWIN SPATZ
PAUL WINSOR STEERE
PAUL RICHARD STOTT
GEORGE WEBSTER TAGGART
STANLEY BREVOORT THAWLEY
HENRY FREDERICK WARNKEN
EDWARD STUBBS WHEELER
WILLIAM MELCHER WHITBY
ROBERT PHILLIPS WHITE
HARVEY WIGFIELD
ROBERT DELAND WILLIAMS
HARRY DUNSETH WOOD

As of February 7, 1948

JOSEPH COOPER BIRDSALL, JR.	RICHARD WILSON POWER
FREDERICK TOMSON JONES CLEMENT	RICHARD ARNOLD RICKS, III
RICHARD KENNETH DORN	RICHARD ARTHUR SCHLEGEL
JAMES HAMILL	STEWART PORTERFIELD SCHNEIDER
CHARLES RANDOLPH HARVEY	HOWARD WARNER STARKWEATHER, JR.
JOHN ROBISON HOOPES, JR.	JOHN ALEXANDER STONE
JAMES ARCHIBALD JACOB, JR.	RAY MOYER SWARTLEY
ARTHUR EDWARD JONES	RICHARD SILSBEE VALENTINE
CHARLES ROBISON MCGUIRE	JOHN TURNER WHITMAN
DAVID STATTON OSWALD	NATHAN JOSEPH ZWEIFLER

BACHELORS OF SCIENCE

WILLIAM RICHMOND CLARK	CRAIG DUNLAP CULBERT
WILLIAM EDGAR COWAN	EDWIN BENEDICT KLEIN, JR.
DORLAND LORING CROSMAN	CLOYD MARVIN
ROBERT JAMES WIDMER	

As of February 7, 1948

AUREL MARTIN SEIFERT

MASTERS OF ARTS

KOLLENPARAMPIL CHACKO CHACKO (A.B., Madras Christian College of the Madras University, India, 1943)

Thesis: "A Study of Consumers' Co-operatives, with a Comparison with Producers' Co-operatives."

WILMER ALBERT COOPER (B.A., Wilmington, 1947)

Thesis: "The Ethical Implications of Quaker Participation in Politics."

GEORGE WILLS HAGNER, JR. (B.A., Oberlin, 1942)

Thesis: "A Survey of the Peace Section of the American Friends Service Committee, 1925-41."

GRIMSLEY TAYLOR HOBBS (B.A., Guilford, 1947)

Thesis: "Aristotle on Knowledge and the Universal."

JAMES STRATTON HOLMES (B.A., William Penn, 1947)

Thesis: "Aspects of Social Life in Elizabethan England."

FRANK HILL McDONALD (B.A., University of North Carolina, 1938)

Thesis: "The Industrial Growth of the South."

As of February 7, 1948

GI-MING SHIEN (B.S., Research Institute of Rural Reconstruction of
Shantung Province, China, 1937)

Thesis: "Comments Upon the Tao Teh Ching of Lao Tze."

MASTERS OF SCIENCE

MONROE EDWARD ALENICK (B.A., Haverford, 1947)

Thesis: "The Cryoscopic Constants of Organic Solvents."

LEONARD SIDNEY LEVITT (B.A., Pennsylvania State College, 1946)

Thesis: "The Solubility of Silver Chromate in Salt Solutions."

* * *

COMMENCEMENT

JUNE ELEVENTH

1949

PRIZES

The Clementine Cope Fellowship for 1949-50

for graduate study at another institution

has been awarded to

STEPHEN RABEN MILLER, 1949

JOHN NEIL BOGER, 1949

The Catherwood Foundation Fellowship for 1949-50

for graduate study at another institution

has been awarded to

JAMES HANCOCK THORPE, 1949

The Mathematics Department Prizes for Freshmen

First Prize ROBERT TAPPAN FOLEY, 1952

Second Prize JOHN WILLIAM WOLL, JR., 1952

The Alumni Prize for Composition and Oratory

has been awarded to

HUNTER OPPERMAN CUTTING, 1951

The Scholarship Improvement Prizes for the two Seniors who have shown the most steady and marked improvement in scholarship during the college course have been awarded as follows:

First Prize DONALD WILLIS DISBROW, 1949

Second Prize SOL BLECKER, 1949

The Class of 1896 Prize in Latin and Mathematics
for Sophomores has been awarded to

Latin—PAUL BELL MOSES, 1951

Mathematics—DAVIS BARTON MCCARN, 1951

The Lyman Beecher Hall Prize in Chemistry
for Juniors, Seniors or Graduates within three years of graduation who
expect to engage in research has been awarded jointly to

JUDSON LAMOURE IHRIG, 1948

BRIAN MEAD, JR., 1948

The Class of 1910 Poetry Prizes
for the best verse written by a Haverford undergraduate during
the year have been awarded to

First Prize ROYAL FRANCIS SHEPARD, JR., 1949

Second Prize . . NICHOLAS NORTON, 1952; BURTON EMANUEL PIKE, 1952

The Founders Club Prize for Freshmen who have shown the best attitude
toward college activities and scholastic work has been awarded to

EDGAR ARNOLD NEWTON JONES, 1952

The William Ellis Scull Prize
for the upper classman who shall have shown the
“greatest achievement in voice and the articulation
of the English language” has been awarded to

BROOKS BAXTER COOPER, 1950

The George Peirce Prize in Chemistry or Mathematics offered exclusively
for students who expect to engage in research has been awarded to

FREDERICK LEIGHTON BLAKE, 1947

The Sugimoto Prize offered by Christopher Morley, 1910, for the best essay
on Japanese-American relations has been awarded to

THEODORE LONGSTREET LEWIS, 1950

HONOR SOCIETIES

The following students were elected to the

PHI BETA KAPPA SOCIETY

WARDER HENRY CADBURY, 1946

WILLIAM PERRIN BAKER, JR., 1946

ROBERT CROCKER GOOD, 1946

JACOB ANDREWS LONGACRE, 1947

SILAS JAY GINSBURG, 1947

IAN HUEBSCH, 1947

EDWIN ELLSWORTH TUTTLE, 1948

GEORGE HANCOCK NOFER, II, 1948

JUDSON LAMOURE IHRIG, 1948

JAMES HANCOCK THORPE, 1949

STEPHEN RABEN MILLER, 1949

ELLIS PAUL SINGER, 1949

JOHN NEIL BOGER, 1949

EDWARD ECHIKSON, 1949

JOHN ERSKINE BROWNLEE, 1949

BRIAN MEAD, JR., 1949

ROLAND BOSWELL GRAHAM, JR., 1949

DONALD WILLIS DISBROW, 1949

The following students were elected to the

TAU KAPPA ALPHA

National Honorary Debating Fraternity

During 1947

DONALD WILLIS DISBROW, 1949

DAVID EDWARD THOMAS, 1949

JAMES HANCOCK THORPE, 1949

JOHN ROGERS WILCOX, 1949

During 1948

ELLIS PAUL SINGER, 1949

During 1949

BROOKS BAXTER COOPER, 1950

EDWARD O. SHAKESPEARE, III, 1949

The following students were elected to the

FOUNDERS CLUB

for merit in both studies and college activities:

During 1947

RICHARD ARDEN COUCH, 1949

JAMES QUINTER MILLER, 1949

STEPHEN RABEN MILLER, 1949

ELLIS PAUL SINGER, 1949

JAMES HANCOCK THORPE, 1949

During 1948

JAMES COAKLEY BUCKLEY, 1947

FRANK THOMAS HOPKINS, 1948

ROBERT GRAHAM HOSKINS, 1949

EVAN GORDON NEWTON JONES, 1949

DAVID JOHN TOLAN, 1949

JOHN ROGERS WILCOX, 1949

During 1949

KENNETH RICHARD BLUM, 1948

JOHN NEIL BOGER, 1949

WILLIAM KANE GORHAM, III, 1948

HARRISON ROBERT LASDAY, 1949

SPERRY LEA, 1950

PAUL BELL MOSES, 1951

WALTER ISRAEL SELIGSOHN, 1947

THOMAS STERN, 1949

DAVID EDWARD THOMAS, 1949

HORATIO C. WOOD, IV, 1950

HONORS

HIGH HONORS

SOL BLECKER, 1949	Political Science
JOHN ERSKINE BROWNLEE, 1949	Mathematics
EDWARD ECHIKSON, 1949	Chemistry
THEODORE LONGSTREET LEWIS, 1950	Political Science
BRIAN MEAD, JR., 1948	Chemistry
STEPHEN RABEN MILLER, 1949	Economics
ELLIS PAUL SINGER, 1949	Chemistry
EDWIN ELLSWORTH TUTTLE, 1948	Chemistry

HONORS

WILLIAM WEBSTER AMBLER, JR., 1945	Mathematics
WILLIAM PERRIN BAKER, JR., 1946	Chemistry
FREDERICK LEIGHTON BLAKE, 1947	Chemistry
CHARLES DANIEL BRODHEAD, JR., 1949	Biblical Literature
WARDER HENRY CADBURY, 1946	Philosophy
EDMUND KASE FALTERMAYER, 1949	English
ROBERT WILLIAM HOLMES, 1947	Biology
JUDSON LAMOURE IHRIG, 1948	Chemistry
DONALD NICOL MELDRUM, 1947	Chemistry
GEORGE HANCOCK NOFER, II, 1948	Economics
EDWARD O. SHAKESPEARE, III, 1949	Biology
JAMES HANCOCK THORPE, 1949	Chemistry

PRELIMINARY HONORS

GILBERT MIDDLETON PATTEN LEIB, 1951	Chemistry
DONALD BECKWITH MARTIN, 1950	Chemistry
THOMAS PERRY THORNTON, 1951	History

HONORABLE MENTION

ROBERT SILMON CHASE, JR., 1952	Biology 12
WILLIAM HARE DARLINGTON, 1952	Chemistry 13, 14
PETER ROBBINS HAVILAND, 1952	Engineering 11, 12
ROBERT TRULL IVES, 1952	Chemistry 13, 14, Mathematics 13, 14
LAWRENCE MARVIN LEONARD, 1952	Chemistry 13, 14
CLARK THOMPSON LIGHTFOOT, 1951	Chemistry 23, 28
PAUL BELL MOSES, 1951	French 24, 25
NICHOLAS NORTON, 1952	English 12
BURTON EMANUEL PIKE, 1952	English 12
CARL PETER ROSENBAUM, 1952	Biology 12
G. ALAN SOLEM, 1952	Biology 14
THOMAS PERRY THORNTON, 1951	History 11, 12
JOHN CALVIN WAGNER, 1952	French 13, 14
ARTHUR HARVEY WIGHTMAN, 1950 (as of June, 1948)	Government 1a

DEGREES

BACHELORS OF ARTS

OMAR BAILEY
ROBERT KNOCHE BAKER
ADDISON SUMMERS BECKLEY
DAVID JEFFERSON BLACKWELL
FREDERICK LEIGHTON BLAKE
SOL BLECKER
KENNETH RICHARD BLUM
JOHN NEIL BOGER
CHARLES DANIEL BRODHEAD, JR.
HAROLD JOSEPH BROWNLEE, JR.
JAMES COAKLEY BUCKLEY
JOHN ROBERT BULLOCK
WARDER HENRY CADBURY
WILLIAM DEWSON CHAPMAN
EDWARD H. B. CORNELL
RICHARD ARDEN COUCH
MARC DANIEL DAUDON
JOHN GILMAN DAVIS
CARMEN DIGIOVANNI
DONALD WILLIS DISBROW
EDWARD ECHIKSON
ROBERT EDGERTON
PETER WEST ELKINGTON
EDMUND KASE FALTERMAYER
THOMAS TALBOT FLEMING
SAMUEL TUCKER FOX, III
CHARLES HENRY GEOFFROY
HARRY WILBUR GILL, JR.
RICHARD MALCOLM GILMOUR
I. ROBERT GOODMAN
THOMAS DOUGLAS GRAFF
ROLAND BOSWELL GRAHAM, JR.
GEORGE STANLEY HAMMOND
THOMAS SPENCER HAND
DAVID SPENCER HASTINGS
R. NICHOLS HAZELWOOD
GEORGE L. HOFFMAN, JR.
FRANK THOMAS HOPKINS
HARRY ALAN HUME
ERNEST CHARLES HUTCHINSON
RICHARD SCHAPER JOHNSON
VICTOR LAWRENCE JOHNSON
ROBERT JAMES JOHNSTON, JR.
EVAN GORDON NEWTON JONES
PAUL SHERWOOD KELLY
MILTON PAUL KING
THOMAS DINSMORE LANGSTON
HARRISON ROBERT LASDAY
WILLIAM STANLEY MALLORY LASH
THEODORE LONGSTREET LEWIS
WAYNE STEVENSON LIMBER
JACOB ANDREWS LONGACRE
HAROLD VINCENT LYNCH, JR.
GOETZ MAYER
BRIAN MEAD, JR.
DONALD NICOL MELDRUM
JAMES QUINTER MILLER
STEPHEN RABEN MILLER
WILLIAM HENRY MILLER
ANDREW THOMPSON MONTGOMERY
DEWITT HALL MONTGOMERY, JR.
ROBERT LEE MORRIS
ROLAND CHARLES NEUHAUS
GEORGE LESLIE NICKLIN, JR.
GEORGE HANCOCK NOFER, II
ROBERT I. PARKES, JR.
WILLIAM PEASE
HUGH RUSSELL RADBILL
EDWARD ALLAN REYNOLDS
ROBERT HOOTON RICHIE, JR.
MICHAEL CARL SANGREE, JR.
MARVIN SEGAL
EDWARD O. SHAKESPEARE, III
ROYAL FRANCIS SHEPARD, JR.
DONALD HUGH SHOFFSTALL
ELLIS PAUL SINGER
HENRY CLEMENT SMITH II
JOSEPH SPROULE
DAVID WILLIAM STEWART, II
STANLEY RICHARDSON TARR
RICHARD CLARK TAYLOR
DAVID EDWARD THOMAS
JOHN PACA THOMAS

JAMES HANCOCK THORPE
WILLIAM ELWELL TODD, JR.
DAVID JOHN TOLAN
EDMUND A. TRACCARELLA
JOHN EDWIN TRAVERS

CONRAD WILLIAM TURNER
JOHN DIMITRI TYCHANICH
ROBERT HULLEY VELTE
HAROLD CLARK WHITCOMB, JR.
ROBERT AITKEN WINGERD

As of February 5, 1949

WILLIAM W. AMBLER, JR.
VIRGIL BISMARCK BALDI, JR.
WILLIAM WARREN BELL
DANIEL SEYMOUR BERNSTEIN
PAUL CLISBY BREWER, JR.
EDWARD BRINTON
JAMES FRANKLIN CANAN
GEORGE THOMAS CARTIER
EDGAR BELLVILLE COALE
TRISTRAM COFFIN COLKET, III
CHARLES DANIEL DRAKE
HENRY JACOB DVORAK
RALPH MENGES ELLIOTT
SILAS JAY GINSBURG
ROBERT SCHERMERHORN HARDEN
DONALD HAYES
WILLIAM CURRAN HIGINBOTHOM
ROBERT GRAHAM HOSKINS
GERALD SHROPSHIRE HOWE

FRANCIS RICHARD KENNEDY, JR.
DON KINDLER
RICHARD BRUCE KIRKPATRICK
DAVID BERNARD KONOWITZ
DAVID SANFORD LAITY
RICHARD MEREDITH LAMBERT
CHARLES TREWARTHA LENTON, JR.
RICHARD PETER LORENTZEN
ISAAC CATE LYCETT, JR.
EUGENE PAT MALEY
HOWARD MELODY RAWNSLEY
JAMES CONRAD REYNOLDS
DOUGLAS HOOTON RICHIE
HENRY G. RICKERMAN
GEORGE BLAKE RITCHIE
CHARLES ROBERT SHEARER
DONALD IRVING SPARKS
JOHN ROGERS WILCOX
THEODORE CRAIG WRIGHT

As of June 12, 1948

ROBERT LEE BOWDEN

BACHELORS OF SCIENCE

WILLIAM PERRIN BAKER, JR.
WARREN LAZELL BEEKEN
LUIS GUILLERMO BRENES
JOHN ERSKINE BROWNLEE
THOMAS POTTER CROLIUS
JAMES RICHARD GROSHOLZ
JOHN BERNARD HENKELS, III
WILLIAM LELAND HIRES

ROBERT WILLIAM HOLMES
JUDSON LAMOURE IHRIG
GEORGE NATHANIEL JACKSON MEAD
WILLIAM HARBSTER MOHN
ROBERT A. PROSSER
MERLE ALLEN SCHULTZ
WEI-ZING CHI-CHEONG TANG
EDWIN ELLSWORTH TUTTLE

As of February 5, 1949

CHARLES WILLIS EDGERTON, JR.
FORREST LEE GAGER, JR.

STANLEY BENTON GOULD
ROBERT HARPER

MASTERS OF ARTS

JOHN HENRY BOTTJER (A. B., Columbia University, 1948)

Thesis: "Instability in the Housebuilding Industry: A Critical Analysis."

DWIGHT WESLEY HOOVER (A. B., William Penn College, 1948)

Thesis: "Quakers and their Relations with Sailors, with Particular Emphasis upon the Cope Packet Line."

BRADSHAW SNIPES (A. B., Guilford College, 1948)

Thesis: "Friends' Relations with the Seneca Indians, 1838-1850."

HONORARY DEGREES

ERIC GLENDINNING BALL, 1925 Doctor of Science

HENRY SANDWITH DRINKER, 1900 Doctor of Letters

* * *

Issued quarterly by Haverford
College, Haverford, Pennsylvania

Entered as second-class matter November 2, 1944 at the Post
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REPORT OF THE PRESIDENT

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VOLUME XLVIII NUMBER THREE

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REPORT OF THE PRESIDENT

*Presented at the
Annual Meeting of the Corporation
of Haverford College*

October 18, 1949

DURING the past year we furthered the aims of Haverford College in two important ways. We strengthened its educational program, and we widened and deepened its financial support.

The College seeks to provide a setting in which young men may grow in intellectual strength and in spiritual insight. As a distinctively Quaker college it stresses the importance of making individual ethical judgments and the courage to act upon those judgments. This requires a clear perception of individual and social aims. It also requires the ability and habit of acting constructively in whatever group the individual finds himself a member.

We cannot feel satisfied that we are doing all possible to promote this growth among our students. There is frank experimentation with new courses. There is earnest search for fruitful educational experience outside the usual academic curriculum. And always there is recognition that the real test of our success or failure lies not in an array of grades but in the quality of life and service of those who, taking their final undergraduate examinations, go out from here. The year, nevertheless, has seen a number of what we believe to be improvements in the College program.

The year also has seen the launching of a financial campaign which promises to underwrite some further advances in our program, and which already has greatly enlarged and stimulated the group of alumni and friends who share the College's aims.

THE YEAR IN REVIEW

STUDENTS

We began the year with the largest student body in Haverford's history. Today it is a pleasure to report that for the first time since the war the enrollment in the Fall semester is smaller than in the preceding year. We

are over the hump of swollen enrollment resulting from the return of veterans. The percentage of veterans in the student body is now reduced to 15.75% and we are moving forward in a planned effort to cut down the numbers in the College to the optimum of 400.

In this effort we encounter two main problems: the first is finance. During the past three years the overhead costs of the College, as represented by such items as fuel and upkeep of buildings, increased so markedly that the financial feasibility of a small student body is distinctly less than previously estimated. We feel, however, that with an increase in endowment for teachers' salaries, it will be practicable to continue a major reduction in student body over the period of the next three years. The second problem is one of economic and social status of our students. The simple fact is that the total funds available for scholarship help increased only slightly during a period when the student expenses doubled. While we still have many times more applications for admission than we possibly can accept, the decrease in relative amount of scholarship help means that an increasing percentage of the student body is coming from families in the upper-middle and upper income brackets. So long as veterans were enrolling at the College with the aid of the G. I. Bill of Rights, this narrowing of the Haverford constituency was prevented. Now there is grave danger that only a very small proportion of our students will come from families that cannot afford to pay the full costs of a College education. The departure of the veteran, therefore, imposes upon us a serious problem which can be solved only by more than doubling the amount of scholarship help. Partial remedy should come from the current campaign.

Although we are concerned about the narrowing character of the student body, it is significant that this year the geographical spread has been larger than ever before, 31 states being represented in the student body. The percentage of students who are Friends has increased slightly, and the percentage of Friends in the freshman class has increased notably to a figure of 19%.

Reductions in the student body help us to place larger responsibility in the student government and to encourage activities which recognize the community interest of all men in the College. We can approach our ideal of a religiously-centered community only as the numbers become so small that each student knows the others and can feel a responsibility for the group as a whole. During the past year we were able to promote this sense of community in several ways. It became possible to shift to table service in the dining room, using student help. We also initiated Campus

Day, a day on which students and faculty joined in a general clean-up and campus improvement program. One of the dormitories was operated successfully with the janitor help by students themselves on a cooperative basis. This Autumn saw a great outbreak of painting and decorating in the students' rooms under a new arrangement by which the College provided paint and brushes and the students did their own work.

FACULTY

Because we recognize that the influence of the faculty rests as much in their personal character as in the subjects which they teach, it is important and significant to review the list of faculty publications and activities appended to this report. These statistics show that at the same time the Faculty made important contributions to research and scholarship, they also took a lively interest in the affairs of the community and in national movements.

It is necessary to report with regret the retirement of Alfred Haddleton as Assistant Professor of Physical Education. For twenty-eight years he served Haverford as a man of fine human sympathies who communicated a keen sense of fair play to the students with whom he worked. We are glad that he will continue to coach the track and cross-country teams at the College.

New appointments to the staff include a number of younger men who reinforce our teaching in fields in which class size has been most unwieldy. They are H. Field Haviland as Assistant Professor of Political Science, Francis H. Parker as Assistant Professor of Philosophy, John P. Roche as Instructor in Political Science, Irwin M. Rosenstock as Instructor in Psychology, and Richard H. Warren as Instructor in English. During the year three members of the faculty were on sabbatic leave: Carl Allendoerfer to carry on mathematical research at the Institute for Advanced Study, Louis Green to study a problem in astrophysics with research facilities in New Haven and New York, and William Lunt to investigate archives of fourteenth-century records in England. Sabbatic leave for the current year has been granted to Abe Pepinsky and to Alfred Swan (second semester).

CURRICULUM

Although we have sought to reduce rather than expand the number of course offerings, we made several innovations in fields which were considered to be of special importance. Understanding and techniques in human relations received attention at the undergraduate level in a new offering which was made possible by a grant from an interested alumnus.

This work in human relations focusses attention on the dynamics of the individual's relation to the group, and it seeks to give the students some experience in methods of group decision and action which, interestingly enough, have long been a concern and a distinction of the Society of Friends. Work of this quality has application far beyond the field of psychology in all of the social sciences.

In cooperation with Bryn Mawr and Swarthmore, the College undertook a program of studies in Russian language, literature, and social organization and process. This was made possible for a five-year period by a grant from the Carnegie Corporation to carry forward the program. It means that the three colleges will develop together a field of basic importance which no one of them would have been able to undertake alone.

We continued to experiment with, and make improvements in, the general courses in physical science, social science, biological science, and the humanities. These courses, which center upon major ideas in their respective fields, brought close cooperation among departments.

Realizing that with a small student enrollment and a necessarily small faculty, we have limitations in diversity and spread of interest among our faculty, we sought to bring special faculty visitors to the College during the year. They came to spend one, two or three days on the campus visiting with students and taking part in seminar courses and discussions. We believe that an extension of this program of faculty visitors, which was financed during the year by the Alumni Fund, would strengthen tremendously the academic offerings of the College at a relatively low expense.

NON-ACADEMIC UNITS

The past year saw our first full-scale effort to provide units of non-academic instruction in fields in which aesthetic perception or creative control of materials or community service were emphasized. Units were offered in music appreciation, theatre arts, metal and wood-working, photography, community service, and weekend work camps. Although the program was intended primarily for sophomores, a number of other students volunteered to participate. Encouraged by the student interest, we are looking this year to an extension of the program to another class.

The special appraisal of work camps which has been in progress during the past two years now is nearing completion. Its results show clearly that the work-camp type of experience has pronounced beneficial effects upon the social attitudes and sense of direction of students taking part. We plan to publish the results of this study during the coming year, and to apply them more specifically to programs at the College.

The mental hospital unit at Norristown continued during the past summer with students from all three of the colleges living on the Haverford campus.

PLANT

Two units were added to the College plant during the year. A new skating house was erected on the edge of the pond as a memorial to Barbara McConnell, 1930-1946. It is intended by her parents to be of use not only during the skating season but during the Spring and Autumn as a gathering place for students and neighbors.

A residence dormitory will be set up in the house at 500 Panmure Road, adjoining the walk to the Meeting House, which was purchased recently. It will be known as the Yarnall House, in honor of Charles Yarnall, who was the first secretary of the College.

Several helpful improvements were made in the teaching facilities at the College. Under the Leeds Gift the Faculty Room was redecorated and made available for seminars, the Chemistry Laboratory equipment was enlarged so as to provide for more advanced work, facilities for day students were completed in the basement of the Union, and the Dining Room was sound-proofed. Through a gift from the Class of 1934 a new Seminar Room was fitted out in Chase Hall.

We continued the use of the College during the summer for the benefit of religious and educational groups who wished to operate institutes or conferences on a non-profit basis. The College now is becoming a regular summer meeting place for such groups as the Religious Education Committees of the Philadelphia Yearly Meetings, the Labor Education Association, and various denominational groups.

ALUMNI

With its numbers swelled last June by the largest graduating class in the College's history, the alumni group now totals 3217. During the year an Alumni Directory was prepared and issued by the Alumni Association under the leadership of its president, Robert Locke. He also cooperated with faculty members in initiating a series of very fruitful meetings between alumni and students dealing with vocational choice and opportunity in the professional fields of medicine, law, and engineering. We look forward to continuing and extending this form of meeting in the years ahead. Understanding of the responsibilities and possibilities in the various professions is basic to wise choice of career.

FINANCE

Again we completed the year with an operating gain. Again we should pay tribute to the Treasurer, J. Henry Scattergood, and to the Chairman of the Finance Committee, Jonathan M. Steere, for their astute management of the College endowment during that period. I wish to add a personal word of appreciation for the Treasurer as he retires after thirty-three years of service. His generous gift of time and advice has been invaluable.

While we have avoided a deficit in a period when operating costs were mounting, we have done so only at the sacrifice of important services which the College would have liked to perform. Reference has been made to the need for increasing the scholarship payments. Of even greater importance is the need for increasing the salaries of the faculty, particularly the salaries of those in the upper academic ranks. It is probably these who suffered most during recent years when living costs doubled and Haverford's salaries increased an average of only 9%.

THE HAVERFORD CAMPAIGN

At this time one year ago, the Board of Managers began serious consideration of ways in which the financial position of the College might be improved so that we could move forward with personnel and facilities adequate to achieve the College's aims. During the Autumn there was extensive consultation among faculty, students and alumni as to the most urgent needs of the institution. Like all other colleges, Haverford found itself in the post-war period caught in the squeeze between radically rising costs and at best a static income from invested funds.

Haverford's endowment, once a source of pride as compared with other colleges, increased but little over the last two decades. Thus Haverford was in a less favorable position than some other colleges to weather the present economic storms.

In the face of these facts the College had three choices — (1) radically increase the tuition to take up the slack, (2) permanently maintain an enrollment of abnormal size, or (3) substantially increase the endowment. Haverford chose the latter course.

We had a remarkable experience in finding that the faculty, the Students' Council, and a representative committee of alumni were virtually unanimous in their listing of needs totalling \$3,750,000. This statement was studied during the winter and became the basis for a joint decision by the Board of Managers and officers of the Alumni Association to appeal to friends and alumni of Haverford for a capital sum of \$1,250,000. Of that amount

\$1,000,000 was earmarked for maintaining and enhancing the quality of teaching, \$200,000 for scholarships, and \$50,000 for books. The Annual Alumni Fund was suspended for the duration of the campaign. An Executive Committee, composed of Robert A. Locke, Lester C. Haworth, Frederic C. Sharpless, George A. Kerbaugh, Theodore Whittlesey, Jr., Jonathan M. Steere, Stacey K. Beebe, Geoffroy Billo, Thomas W. Elkinton, Benjamin Eshleman, Alan W. Hastings, Clinton P. Knight, Jr., Benjamin S. Loewenstein, Willard E. Mead, C. Christopher Morris, John Phillips, Charles A. Robinson, S. Emlen Stokes, Spencer R. Stuart, and Howard M. Teaf, Jr., assumed direction of the appeal. Public announcement was made to 600 friends of the College at the "Haverford Family" Dinner Party at the College on April 26, 1949. It met with an extraordinary response from the Board of Managers and from many others close to the College. The leaders of the campaign decided to start at home, organize to canvass alumni and friends in the greater Philadelphia area in the Spring of 1949, and then expand the effort to canvass alumni and friends in other Haverford centers and in the country at large in the Fall of 1949. This policy has been vigorously pursued.

Now the Campaign Executive Committee, with the cordial and vigorous support of local alumni, is setting up strong organizations in New York, Baltimore, Washington, Pittsburgh, New England and Chicago. Campaigns will be held in these areas this Fall. Careful plans are being made to canvass alumni in other parts of the country, including the West Coast.

As of today, 770 pledges have been turned in totalling \$612,305.86. With the exception of a few pledges from New York and Wilmington, and some scattered gifts, this encouraging report is the result of the loyal and enthusiastic activities and generous giving of friends located geographically near the College.

At this time we can make only a progress report on the effort. This is an amount larger than ever before raised in any Haverford campaign; it exceeds the net increment in endowment during the entire period from 1920 to 1947, and it already represents an increase of 12% in the College endowment. In terms of dollars, the goal is half reached. In terms of people, we can report that of the 1000 who have been given an opportunity to contribute, 75% have responded favorably.

This campaign is another means of carrying out the policy of seeking the participation of all alumni and friends in the affairs of the College. Friends everywhere are learning that while Haverford today is sound finan-

cially, an aggressive policy is necessary if the College is to maintain her excellence and continue her "inward growth." The campaign is disclosing the fact that many alumni and friends are remembering the College in their wills. A knowledge of the future needs of the College, and an appreciation of its spiritual objectives and its intellectual soundness, will prompt many others to make gifts to the College.

The campaign probably is the most encouraging development of the past year, and it is the most important campaign in the history of the College. It indicates a solid and widespread interest in the aims of the College. It demonstrates that the alumni are willing to give tangible support to the action which the College is taking. If we can continue during the remainder of the Autumn with the same degree of enthusiasm and response, we should be able to reach the goal for the campaign and also develop a better informed and more active group of alumni and friends.

Let us work to complete the campaign successfully. This is possible, though difficult. But let us not think complacently that funds alone will insure our achieving the aims which we have in mind. That will require constant alertness to find the right students and the right faculty, and to bring them together in that happy combination of work and worship and play which is most conducive to principled action.

GILBERT F. WHITE

STATISTICS FOR REPORT OF THE PRESIDENT

1948-1949

ENROLLMENT

Fall Semester, 1945	223
Spring Semester, 1946	293
Fall Semester, 1946	492
Spring Semester, 1947	503
Fall Semester, 1947	552
Spring Semester, 1948	534
Fall Semester, 1948	556
Spring Semester, 1949	526
Fall Semester, 1949	528

NOTE—*To be consistent with the reports as they were compiled beginning Fall Semester, 1946, we are adding graduate, part-time and women students to reports of Fall Semester, 1945, and Spring Semester, 1946.*

COMPOSITION OF THE STUDENT BODY, FALL SEMESTER, 1949

The student body represents 31 states. In addition, Honolulu and the following foreign countries are represented: Nigeria, Bermuda, British West Indies, England, France, Greece and Germany.

Students who are members of the Society of Friends number 75, or 14.1 per cent of the total.

REGISTRATION IN ACADEMIC COURSES

<i>Department</i>	<i>Registrations*</i>								
	1949	1948	1947	1946	1945	1944	1943	1942	1941
Astronomy	19	16	18	12	1	0	1	15	22
Biblical Literature.....	37	65	36	33	1	12	3	12	18
Biology	64	48	56	93	61	32	46	66	81
Chemistry	162	187	232	193	79	54	78	228	224
Economics	169	212	226	115	30	22	27	124	147
Engineering	50	44	39	43	17	15	25	95	74
English	412	414	353	423	151	101	77	195	224
French	99	86	120	107	43	26	25	36	64
German	125	129	157	140	56	59	52	117	100
Greek	25	34	46	30	2	7	6	24	18
History	166	242	177	208	94	60	45	98	143
Latin	6	3	15	12	8	4	5	30	24
Mathematics	207	176	184	198	68	50	59	162	158
Music	13	11	11	25	7	14	5	31	18
Philosophy	235	213	284	181	56)	37	35	86	99
Psychology	108	174	93	97	27)	0	0	0	0
Physics	57	98	76	73	34	35	58	120	77
Political Science.....	178	180	216	148	31	36	34	94	100
Russian	9	12	8	8	0	0	0	0	0
Sociology	95	107	108	153	42	14	28	43	72
Spanish	57	70	100	84	22	20	21	65	48
<i>General Courses</i>									
Biological Science.....	56	57	63	0	0	0	0	0	0
Humanities	35	41	19	4	6	0	0	0	0
Physical Science.....	51	36	52	0	0	0	0	0	0
Social Science.....	114	52	0	0	0	0	0	0	0

*Statistics show the registrations for the Fall Semester of each year.

HAVERFORD STUDENTS at BRYN MAWR

Biology	1
Classical Achaeology	2
Economics	1
English	18
French	1
Geology	13
German	1
History	1
History of Art	22**
Latin	1
Music	9
Philosophy	2
Phychology	5
Russian	4
Sociology	7

***This figure includes 15 registrations in the introductory course which is given at Haverford.*

HAVERFORD STUDENTS at the UNIVERSITY OF PENNSYLVANIA

Archaeology	1
Insurance	1

DEGREES GRANTED, JUNE 11, 1949

A. B.	132
S. B.	20
A. M.	3

REPORT OF THE LIBRARIAN

1948-1949

The Library has been open to the college community and the public daily from 8 A.M. until 11 P.M., except on Sunday, when it is open from 2 P.M. until 11 P.M. It has been a prosperous and busy year. There is rarely a slack period in any department. Instead of that, there is a pressure of work, which requires constant judgment to select the type which should be undertaken first. Some important work, such as much of the Quaker cataloging, has had to be set aside indefinitely.

Many new borrowers from the neighborhood and frequently from miles away have asked for library privileges. These have been granted in practically every case. Some of these readers have been glad to join the Library Associates and receive special privileges. Some have presented gifts of

money in gratitude for the free service. All are particularly pleased to find the "open shelf" system in use. We are glad to have the Library used by friends, neighbors, or any responsible persons, for it should be not merely a storehouse of books but a constantly moving cultural force in college and community life.

COOPERATION

In an article by Dr. Colwell, president of the University of Chicago, entitled "Cooperation or Suffocation" (*College and Research Libraries*, vol. 10, no. 3, July 1949), he deplors the attempt to increase the size of libraries, merely for the sake of saying *our* library is the largest in any particular section. There are *great* books and dead books. After outlining a general cooperative plan for libraries, he closes with these words:

"When these bright days come, the work of the librarian and administrator will change its nature. The college president and librarian can abandon the effort to outdistance their competitors in size. Instead they will devote their efforts to the improvement of quality and to the maintenance of a library that is truly contemporary.

"When we shall have a network of regional libraries effectively related to a national library and to the libraries of the world, I do not know. But I commend this dream to the librarians."

In this connection the influence of libraries in the Philadelphia region was greatly increased a few years ago by the making of the Philadelphia Union Library Catalog. Even before this there was a special arrangement among the three libraries of Swarthmore, Bryn Mawr, and Haverford for cooperation in borrowing books, with the understanding that borrowed books might also be used on reserve shelves, sometimes by large classes. Occasional worn-out books in this process were rebound by the borrowing library. Now the Haverford library has become a part of the new college cooperative *Program of Russian Studies*, — a project made possible by the Carnegie Corporation. Though the greater part of the gift of \$105,000. to the three cooperating colleges was designated for lectures and professors' salaries, \$10,000. was set aside for the libraries for the purchase of Russian books in certain fields. However, before much purchasing was done, it seemed necessary for each library to list the Russian books already in its catalog and exchange these lists with the cooperating libraries. Cards for books at the other colleges were then to be made and inserted in each catalog so that professors of courses at any college would be able to draw on the resources of the other two libraries as well as the one where the course was given. In the beginning \$100. was set aside for the preliminary work of making lists and cards. Later this

amount was increased. The work at the Haverford library was begun late in the spring. It was necessary to hire some extra help and we were glad to be able to get Miss Mary Hodge, a Wilson College student, during the latter part of June and July. The preliminary work is gradually nearing completion. *Our* original list contained 712 items. From Bryn Mawr and Swarthmore lists, 1100 sets of cards, averaging four cards or more to the set, were ordered from the Library of Congress. This indicates that around 5000 cards were made for this program during the late spring and summer. It was necessary to concentrate on this work and consequently to neglect a great deal of the regular cataloging for the time being, in order to have the Russian cards in the catalog for use this fall. About fifty Russian books and eight periodicals had been ordered before September 1, 1949. A special bookplate is used, marked "Gift of the Carnegie Corporation."

GROWTH OF COLLECTIONS

The total number of volumes in the Library at the end of August 1949 was 177,872. During the past year, 3,443 volumes were added, 1,766 by purchase; 1,355 by gift, and 322 from the United States government, for our Government Depository Collection. In addition to the latter number, which indicates catalogued documents, there were many more books and pamphlets which are filed in our government pamphlet collection. All are available to the public. 187 books were discarded as lost, worn out, or no longer useful in the Library.

GIFTS

In 1508 Erasmus said, "With a gift the good will is the most important." We are indeed grateful for all the books which friends have given us, and especially for their goodwill. The following is only a partial list:

From Edgar H. Boles, 36 books in the series, "Rivers of America"; five books on the national parks, and two fine sets of Monypenny's *Life of Benjamin Disraeli*, and Morley's *Life of Gladstone*.

From Mrs. Rufus M. Jones, 133 books, including many books and pamphlets from the estate of Rufus M. Jones.

From E. Page Allinson, 52 books.

From Robert E. Sherwood, 14 books, several of them on the stage and theater.

From Lydia Gummere, 31 books on astronomy from the estate of Henry V. Gummere.

From Thomas and Constance Drake, 168 books.

From Mrs. Henry H. Bonnell, 64 books, including some first editions, also many fine and scarce items from a collection made by her late husband.

From L. Arnold Post, 23 books on the Far East.

From Joseph L. Miller, 36 books.

From Christopher Morley, an autographed copy of "The Adventure of the Blue Carbuncle", by Conan Doyle. This is the first book published by the Baker Street Irregulars, that distinguished group of which Mr. Morley and other celebrities are members.

From Lucius R. Shero, 2 books — one of them the second Aldine edition of the second-century Greek philosopher and satirist Lucian, from which certain pages were deleted by the church. Dated 1522.

Before leaving an account of gifts to the Library, I should like to mention the very welcome gift of the Senior Class — an electric water-cooler. This has long been needed and is proving an oasis in the desert. Many years ago, when we were still in the crowded little library, before the fine addition had been made, we used to buy ice about three times a week and have it put into a very simple and makeshift cooler in the basement. This furnished ice water in the fountain in the Library. This in time resulted in a general belief that the library system was connected with a wonderful cold spring. In fact, several people asked me where it was. After that, when the Library was enlarged by the new addition in 1941, the machinery of our "cold spring" was eliminated and there followed eight years of warm and disappointing drinks. That is why the Senior Class of 1949 now has our heartiest thanks.

CIRCULATION

The total circulation of books outside the Library was 28,706. Of this number, 3,247 were lent to the faculty and staff, 16,712 to students and 5,124 to borrowers not connected with the College. 413 books were borrowed from the smaller libraries on the campus. Books charged out for use in carrels numbered 1,353. There is a great demand for carrels, especially by day students, who have no place to keep their books. We regret that it is possible to grant only about half the requests. We have even allotted some tables, which have few of the advantages of carrels. The 43 carrels are assigned largely to upperclassmen doing research work or writing long papers, since they need a place where they can continue their studies from day to day without reorganization problems each time they come in.

Since we have no separate reference department, the librarians at the circulation desk answer most of the questions of borrowers, except the telephone and written inquiries for information, which are taken care of in the staff room. I might add that one recent request for information from an alumnus was accompanied by an excellent snapshot of a scene in front of Roberts Hall on Commencement Day 1949 and the remark, "I don't

know when anything has ever meant as much to me as my trip down there last June". Very little extensive reference work is done. In the first place the staff is too small for even one person to be spared, and in the second place, it is thought better to encourage and aid individual research.

RESERVE BOOK ROOM

A second year under our new system of closed shelves for reserve books has just ended. The work which was begun so well with Miss Kitty Smith in charge the first year, has been continued by Miss Suzanne Cross, who has proved very capable and has suggested several improvements in the reserve book room. Student cooperation has been excellent and fewer books have been "lost" at vital times. This indicates that better service has been given to *all* the students. *No* books were lost permanently from the reserve shelves in 1948-49 and only one in 1947-48. In the two years preceding, there were ten and twelve missing from the *open* reserve shelves.

During the year 3,213 books were put on reserve and the circulation of these is tabulated as follows:

Library usage	17,485
Overnight usage	3,015
1 day usage	179
3 day usage	1,840
1 week usage	25
2 week usage	356
Total for year.....	<u>22,900</u>

INTERLIBRARY LOANS

Miss Cross has also handled the interlibrary loan service efficiently. More than four times as many books were sent out as were borrowed by us. The totals were 330 lent to other libraries and 79 borrowed by us. The latter number, however, does not include the many books borrowed by students and professors themselves from cooperating libraries in this vicinity. At Haverford the cost of transportation both ways is borne by the borrower but the Library assumes that expense for books which are to be put on reserve. Only a very few libraries make a flat charge for their service in procuring books, varying from \$.25 to \$1.00 per volume. Haverford does not charge for this. It would probably tend to decrease the number of interlibrary loans and it is questionable whether that would be desirable.

The Union Library Catalog in Philadelphia makes the task of locating books many times easier than it otherwise would be. Where formerly we

have perhaps written from three to six letters to different libraries in our search for a needed volume, we can now settle the question of location by a single telephone call, — that is, if the book is anywhere in this vicinity. During the last year we have sent 2,700 cards to be filed in the Union Library Catalog for books added to our Library.

GIFTS TO OTHER LIBRARIES OR ORGANIZATIONS

A visit from a librarian of a small college in Vermont resulted in our giving his library 93 books from our duplicate collection.

A college library in Virginia was given a 24-volume set of German classics.

A number of pamphlets were sent to the Historical Society of Pennsylvania.

Sixteen books were given to Norristown Mental Hospital, by the kindly aid of Richard Couch, a member of the 3-college unit working here last summer.

Though no books were exchanged in this case, it was very pleasant to have the charming and capable librarian of a Tennessee college call on us and compare experiences. When we asked whether the library could get all the books it wanted, she admitted to an occasional guilty feeling at the amount spent for books.

PAINTINGS

The portrait of Logan Pearsall Smith, painted by Roger Fry in 1922 and given to Haverford College by his sister, Mrs. Alys Russell of London, was cleaned and repaired after its wartime damage and has now been hung near the circulation desk in the front of the Library. Logan Pearsall Smith, well-known author of *Trivia* and *More Trivia* — not to mention his other books — wrote these few paragraphs several years before the portrait in the Haverford Library was painted. We wonder whether he would have approved the present location.

My Portrait

But after all I am no amoeba, no mere sack and stomach;
I am capable of discourse, can ride a bicycle, look up trains in
Bradshaw; in fact I am and calmly boast myself a Human
Being — that Masterpiece of Nature and noblest fruit of time
— I am a rational, polite, meat-eating Man.

What stellar collisions and conflagrations, what floods and
slaughters and enormous efforts has it not cost the Universe
to make me — of what astral periods and cosmic processes
am I not the crown, the wonder?

Where, then, is the Esplanade or world-dominating Terrace for my sublime Statue; the landscape of palaces and triumphal arches for the background of my Portrait; stairs of marble, flung against the sunset, not too narrow and ignoble for me to pause with ample gesture on their balustraded flights?

One of the portraits hung in the catalog room, the Thomas Carlyle by Whistler, was loaned to the Lyman Allyn Museum, New London, Connecticut, for exhibition from May 1 to June 13.

A most welcome gift for the Gummere-Morley Room was a beautiful painting by Maxfield Parrish, called *Early Autumn: White Birch*. This colorful painting adds considerably to the beauty of a quietly charming room.

THE LIBRARY COMMITTEE

The Library Committee of eight members during the past year, with John Lester as chairman, has been an active and helpful group. Sub-committees have helped in adding to or weeding out our list of periodical subscriptions, in establishing a fair percentage of allotments to the different departments, and in preparing a paper stating reasons for requesting a larger fund for books from the college. Five meetings were held.

THE STAFF

Finally, I am glad to report that the entire staff is remaining with us for the coming year. Their excellent work is appreciated.

AMY L. POST

REPORT OF THE CURATOR OF THE QUAKER COLLECTION

1948-1949

Gifts mean growth for the Treasure Room Collections. Books and pamphlets, manuscripts, and microfilms, pictures, maps, medals — and now a wire recording! — have come to us in unusual numbers this year. Such things, or the gift of funds to purchase them, keep our Library alive; they give it ever increasing usefulness and value.

The past year witnessed six notable gifts, as well as a steady stream of smaller accessions. It was, as the horticulturist might say, a "splendid growing year." First came the Edmunds Collection from Morris E. Leeds and others: books, pamphlets, scholarly articles, manuscripts, and letters of the late Albert J. Edmunds (1857-1941). The executors of the estate of

this Biblical scholar, student of Buddhism, and one-time assistant Librarian at Haverford, hoping to preserve his large collection of books and manuscripts, sent them to the College for sorting and putting into shape. In doing so they fulfilled the hope long entertained by the late Arthur H. Thomas, by Morris Leeds, and by the many friends of Edmunds, that his published writings, diaries and manuscripts should somewhere be preserved. We employed Frances R. Marshall to assemble and organize the material; and she collected as complete a file of Edmunds' printed writings as could be found — headed by his unique *Buddhist and Christian Gospels* (1902). These, together with letters and manuscripts relating to Edmunds' association with Haverford and with Professor Rendel Harris, are now on our shelves; while his diaries, which give an intimate record of an interesting mind over a period of some forty years, are at the Historical Society of Pennsylvania. We are most grateful to Morris Leeds for bringing this project to fruition, and for contributing the funds to make possible Mrs. Marshall's employment. We could not have done the work with our present staff without neglecting everything else. Mrs. Marshall, in eight weeks time, finished the whole job.

When Elliston P. Morris, '22, and his mother, Mrs. Marriott C. Morris, presented the Morris House in Germantown — famous for its role in the Revolution and as President Washington's residence — to the nation, they gave Haverford its choice of the books and pamphlets in the family library. Since then Elliston Morris has made several further donations of manuscripts relating to Haverford — prospectuses and appeals for funds from the earliest beginnings; and manuscripts from the eighteen-eighties which included letters of David Bispham. Enthusiastically we welcome these generous donations.

The third large gift, and one of great general interest, came from Joshua L. Baily, '12. A year or so ago we had had to refuse a bookdealer's offer of an extensive collection of manuscripts from the family of the New Hampshire abolitionist and friend of Whittier and Garrison — Nathaniel Peabody Rogers. Some of the letters related to members of the Society of Friends; but we could not, with our limited Quaker funds, buy the whole collection — it had to be kept intact — for the sake of these alone. When Joshua Baily heard of the opportunity, he offered to pay for the balance of the collection if Haverford would buy the Quaker items. We drew upon the special fund provided by Dr. Henry Vogt in 1947, which we had husbanded for such emergencies; paid a hundred dollars, or one fourteenth of the total cost, for the twenty-eight Quaker items; and received some twenty-six

times as many non-Quaker manuscripts to go with them. Historians of the pre-Civil War period in the United States will find this collection extremely interesting.

Our fourth large gift this year came from "Fairfield" — the summer home of Thomas P. Cope (1768-1854) out on the Old York Road. It contains material relating to the College, to the Society of Friends, and to the business and philanthropic activities of Thomas P. Cope, Thomas Garrett, and other members of the Cope-Garrett families — 344 manuscripts and 255 books in all. For these we are indebted to Mrs. Alfred Cope Garrett and her daughter, Mrs. Paul H. Sangree.

To these great gifts "in kind," we must add two other gifts of funds, conceived independently but directed to the same purpose: the perpetuation and building up of the library of mystical books which Rufus M. Jones gave to the College in 1941. From the Smiley family at Lake Mohonk — Albert K. Smiley, '06, and his wife, Daniel Smiley, Jr., '30, and A. Keith Smiley, Jr., '32 — we received in March the sum of \$1500, to be known as "The Mohonk Fund for the Rufus Jones Collection on Mysticism." In June we learned for the first time that Rufus Jones had also provided in his will for a substantial fund to keep up his mystical library. These two splendid gifts now make certain that this collection of great scholarly value — unique in this country and supplementing the two or three others abroad — shall not remain static, but rather grow with the years.

To these reports we should add that we have accessioned 219 Quaker books during the year, 85 of which came by gift and 134 by purchase. The purchases include such books of general interest as Janet Whitney's *Geraldine Cadbury*; Henry Cadbury's *George Fox's Book of Miracles*; Frederick B. Tolles' *Meeting House and Counting House*, and Helen Wright's life of Maria Mitchell, *Sweeper in the Sky*. Almost all of these books owe something to the Quaker Collection at Haverford for material or advice. We take especial pride in William W. Comfort's successor to his earlier Quaker best seller: *Quakers in the Modern World*.

Among the few rarities which we found it possible to purchase, again with the aid of the Vogt Fund, was Cotton Mather's famous *The Principles of the Protestant Religion Maintained, and Churches of New-England, in the Profession and Exercise thereof Defended, Against all the Calumnies of one George Keith, a Quaker, in a Book lately Published at Pennsylvania, to Undermine them Both*, (Boston, 1690). We note with interest that our copy, still in its original binding, belongs to one "Thankfull Hubbard" in

Boston in 1760. We too are "thankfull!" Cotton Mather's title vies for interest with that of the microfilm which we bought from Union Theological Seminary: Thomas Collier's *A Looking-Glasse for the Quakers, Wherein they may Behold Themselves: and Others also may Behold their Pernicious Ways*, (London, 1657).

Donors of old or rare books, pamphlets, and broadsides for the Quaker Collection included Susan J. Dewees, Friends Library in London, Henry J. Cadbury, '03, Margaret B. Crook, C. Wilfred Conard, the estate of Rufus M. Jones, William Bacon Evans, Friends Centre in Shanghai, Friends Institute of Philadelphia (190 volumes), the estate of Mrs. Charles S. Taylor (some beautifully bound copies of the early Quaker classics), Hiram Doty, Mrs. Lindley E. Parker, Thomas M. Ambler (75 volumes), Thomas E. Drake, William B. Kriebel, '38, E. Page Allinson, '10, Henry Ecroyd, the heirs of Walter H. and Esther L. Jenkins (106 volumes), and Oscar W. Carlson, Jr. Henry Sandwith Drinker, '00, gave us on Commencement day a copy of *Piety Promoted* (Dublin, 1721) which had once been owned by Henry and Elizabeth Sandwith Drinker of Revolutionary times. John W. Jackson presented the Quaker Collection with a copy of his new and definitive edition of *Margaret Morris, Her Journal* (1949), which he had edited from the famous Revolutionary diary of a New Jersey Quakeress which forms a part of our Gulielma M. Howland manuscript collection.

Donors of Quakeriana other than those mentioned above raised the total number of manuscripts for the year to 1868, more than twice as many as last year, and twenty-seven times as many as in 1946-47! To these we also added twenty-two manuscript books, and, from the Arch Street depository, two microfilms of the Minutes of Philadelphia Yearly Meeting (1681-1945). For these gifts we are indebted to William Bacon Evans; Susan J. Dewees; Edward Woolman, '93, (for a beautifully inscribed letter to John Woolman, 1769); Henry J. Cadbury; the estate of Rufus M. Jones; Friends Historical Association; Helen Sharpless; Albert Mordell; Grace Rhoads; L. Arnold Post (for a receipt book of David Halsted containing a copy of an affirmation by a New York Friend in 1839, providing for his release from military service on conscientious grounds); J. Passmore Elkinton (for letters and reports of Gilbert Bowles in Japan, 1930-1948); James B. Fell, of Sussex, England (for a typewritten copy of his play, "Oliver Cromwell," in which George Fox appears); Margaret Taylor MacIntosh (for Allinson and Taylor family papers); Samuel Mason, Jr., '10; Amy L. Post; Paul S. Cadbury, of Birmingham, England (for a marriage certificate of 1697, with signatures of William Penn, Thomas Story, and other early Friends); Thomas E. Drake; Charles Evans; and Theodore B. Hetzel, '28.

To our collection of meetinghouse pictures, and portrait photographs of Quaker interest, our donors added 140 items this year. Our largest "Quaker picture" is another Gurney portrait: a large oil painting of Joseph John Gurney, presented by Elizabeth Wilson Pharo, daughter of the late Walter W. Pharo, '75. The artist, James Willits, a great-uncle of Miss Pharo, supposedly made sketches for the portrait as J. J. Gurney sat in meeting. The painting now hangs in the main Library beside the entrance door.

The Charles Roberts Autograph Collection received seventy-three additions, besides the 727 non-Quaker MSS. in the Rogers-Baily group: from William A. Battey, '99 (a Rendel Harris letter); from President White (contemporary greats and near-greats such as Norman Cousins, Harold Ickes, Harlow Shapley, James A. Farley, Herbert Hoover, Pitirim Sorokin, and Branch Rickey); H. Tatnall Brown, Jr., '23; Emma Cadbury; the estate of Rufus M. Jones (including letters from Myron Taylor, Theodore Dreiser, and Harry Emerson Fosdick); William M. Wills, '04; Christopher Morley, '10 (a letter to Professor Frank Morley from Professor (later Lord) Rutherford, "the first atom-splitter"); and from Theodora N. McMurtrie, of Germantown, through the kindness of Joshua L. Baily, Jr., two manuscript poems of Swinburne; a presentation copy of one of his books, from the poet to his mother; and two letters written by Swinburne's sister. In one of the letters, written to Miss McMurtrie in 1911, Isabel Swinburne, no friend of Winston Churchill but an admirer of our novelist of the same name, offered to trade England's Churchill for America's "very cheap indeed," with Lloyd George thrown in on the exchange! We sought to complete our collection of Presidential autographs by soliciting Mr. Truman, as Charles Roberts did Mr. Lincoln in 1860. But we regret to report that, unlike Charles Roberts, all we got for our pains was a White House card, sent by a secretary, and inscribed "Kind regards, Harry Truman." Thus we still need a Truman letter, if not a "card signed," to make our "Letters of the Presidents" complete.

Among the books which E. Page Allinson, '10, presented was a Boswell's *Life of Samuel Johnson*, with a Boswell letter tipped in at the front. Imagine our mutual surprise to find in the back of the volume a Johnson letter also, which no one, not even the sharp-eyed A. Edward Newton, who had once examined the book, had known was there!

Several interesting additions to our manuscript Haverfordiana came in during the year. Professor William Lunt's Collecton talk of November 16, 1948, on "Haverford Since 1917," turned up in the hands of Thomas A. Benham, '38, on a wire recording — our first such "document." Ellis

Singer, '49, gave us the Constitution of Founders Club, dated about 1914, together with the Constitution of 1948; Vice-President MacIntosh contributed a letter from Maxfield Parrish, '92, signed in the artist's beautiful hand. H. W. Holzer presented through Howard Comfort, '24, two "Memorial Medals" of the Class of 1862, cast in 1869, one in silver, the other in bronze.

The users of the Treasure Room gradually increase in number. The Library Associates held four meetings there: President White spoke on October 17th, Colonel Ralph Isham on November 23rd, Professor Herman Somers on April 27th, and Charles Abbott, '22, on May 23rd. For the Isham lecture we exhibited a large quantity of Johnson-Boswell material furnished by Colonel Isham himself — a selection from his great gift to Yale last summer.

As a part of the new program of orientation for Freshmen in the ways of Quaker worship, thought, and practice, we invited small groups of the Class of 1952 to come to the Treasure Room for four successive Thursdays in November, for an hour's lecture by the Curator on the resources of the Quaker Collection. Later in the year, Professors Snyder and Sargent brought in their Freshman English classes, this time for an explanation and introduction to Haverford's literary treasures — Shakespeare Folios, Keats, Pope, Longfellow, Conrad, Stevenson, Whittier letters, and so on.

We prepared a special exhibit of William Penn books for Dr. Comfort's class in Quakerism. "Haverford College History" formed the theme of our exhibit for the Corporation meeting last October, as does "Recent Gifts" this year.

Thirty-eight research students came to the College to use the Quaker, Roberts and Mysticism Collections, one, among others, to work on Quakers in politics in the eighteenth century, one on Quakers in American literature, one on physicians in early Philadelphia, one on Robert Barclay, and one, John A. Lester, '96, on cricket! Irving Brant, biographer of President Madison, expressed considerable enthusiasm for the way Haverford keeps her Presidential autographs.

Our inquiries by mail numbered fifty-two. The Curator had two graduate students working with him in American History on Quaker themes: Dwight Wesley Hoover, William Penn College, '48, utilized the Cope shipping papers, here on loan from Edward W. Evans, '02, to write a Master's thesis on "Quakers and their Relations with Sailors, with Particular Emphasis upon the Cope Packet Line"; Bradford Snipes, Guilford, '48, found material here, at Arch Street, and in the Friends Historical Library at

Swartmore for a thesis on "Friends' Relations with the Seneca Indians, 1838-1850." A Columbia M.A., Mary C. Campbell, who found most of her sources at Haverford, kindly deposited with us a copy of her thesis: "The Difficulties and Dangers of Eighteenth Century Travel as Revealed in Quaker Journals."

We have no count of the number of students and casual visitors who come into the Treasure Room during regular hours, but our week-end visitors during the year when the Room is kept open with the help of "Student Aids" numbered 1041. Spring Day alone brought 213 parents and students; on Commencement 176 friends came to see us.

During May and June Anna B. Hewitt, the Assistant Curator, went to England to complete our exchange arrangement with the Library of the Society of Friends in London. She worked in Friends House for two months; saw other London libraries under the guidance of Muriel Hicks, who came here from Friends library two years ago; attended London Yearly Meeting; spent a weekend at Woodbrooke; went to Jordans; and became acquainted generally with the sources and sites of English Quaker history. Her English visit is already bearing tangible fruit in the form of additions to our collection of George Fox etchings by Robert Spence, as well as in the more intangible satisfactions resulting from greater experience and closer acquaintance with English Friends. During Anna Hewitt's absence, the American Friends Service Committee kindly permitted their Archivist, Hiram Dotey, to come down from the Fifth Floor of the Library and help us for half the week, while Madelyn Gutwirth (wife of Professor Gutwirth of the French Department) carried on the work during the other half.

As we review the year 1948-1949, we can do so, I believe, with pleasure in the growth of our Treasure Room collections. In looking to the future, it is evident that our greatest immediate need is for additional help — to classify, catalogue, and take care of the books and manuscripts which come to us in increasing numbers; and to serve our growing body of readers and visitors.

THOMAS E. DRAKE

REPORT OF THE MORRIS INFIRMARY

1948-1949

The report of house patients is as follows:

	1948-1949	1947-1948
Patients admitted	95	120
Total time (days)	383	438

Diseases are classified as follows:

Grippe and respiratory	34
Intestinal	24
Joint conditions	9
Miscellaneous	28

Total number of visits of dispensary patients:

	1948-1949	1947-1948
Medical	3406	3329
Surgical	1327	1433
Total.....	4733	4762

Conditions are classified as follows:

Upper respiratory	552
Fractures	12
Sutures	17
General	846

HERBERT W. TAYLOR, M. D.

PUBLICATIONS AND ACTIVITIES OF THE FACULTY

1948-1949

ALLEENDOERFER, CARL B.

- Reviews: H. M. S. Coxeter, *Regular Polytopes*, in *Bulletin Amer. Math. Soc.* 55, No. 7 (July 1949), 721-722.
Associate Editor, *American Mathematical Monthly*.
Associate Editor, *American Journal of Mathematics*.
Abstractor, *Mathematical Reviews*.
Lectures: "Cohomology Characteristic Classes for Riemannian Manifolds", Princeton University, February 15, 1949.
Member, Institute for Advanced Study, Princeton, N. J., 1948-1949.
Member of Board of Governors, Mathematical Association of America.
Examiner in Mathematics, Educational Testing Service.
Consultant, Bomb Damage Project, Lehigh University.
Treasurer, Main Line Cooperative Association, Bryn Mawr, Pa.

ASENSIO, MANUEL J.

- Lectures: "La naturaleza, el hombre y la tierra en las novelas de ciro alegría", International House, Phila., January 1949.
"Ciro alegría: Los problemas del indio y la tierra en sus novelas", meeting of the Pennsylvania Chapter of the American Association of Teachers of Spanish and Portuguese, Bryn Mawr College, May 1949.

ASHMEAD, JOHN, JR.

- Lectures: "The Modern Novel," ten lectures, Main Line "School Night" Association, Fall of 1949.

BENFEY, O. THEODOR

- Articles: "We must give our Message," *Amer. Friend*, 37, No. 7 (March 31, 1949), p. 98. "What Jesus means to me," *The Friend*, 122, Nos. 15 (Jan. 13), 16 (Jan. 27), 17 (Feb. 10, 1949), 226-7, 242-3, 258-9. *Tract Association of Friends*, Philadelphia, 18 pp.
Reviews: W. H. Hatcher, *An Introduction to Chemical Science*, in *The Catalyst*, 34, 210 (1949) (with W. B. Meldrum).
L. F. Fieser and M. Fieser, *Natural Products related to Phenanthrene*, in *Journ. Franklin Institute*, 247, 534 (1949) (with W. B. Meldrum).
Preaching Engagement: Shipley School, Bryn Mawr, May 1, 1949.
Member, Abstracting and Liaison Committees, Phila. Section, Am. Chem. Soc.
Member of Board, Friends Central School.

BENHAM, THOMAS A.

- Articles: "Generator regulation by Saturable Reactor," *Electronics*, July 1949.
Vice-Chairman of Pennsylvania Association of the Blind. (Phila. Branch).
Development of Ultrasonic Wave Analyser, for Pennsylvania State College.
Development of Low Frequency Noise Meter, for University of Pennsylvania.

BERNHEIMER, RICHARD M.

Member, Reviewing Board, Funk and Wagnalls *Encyclopedia*.
Professor in the Summer Session, Rutgers University.

CADBURY, WILLIAM E., JR.

Articles: An article without title on premedical education at Haverford, being Number 10, April 1949 of *Haverford Trends*.
Member of Committee in Charge of Westtown School.
Participant in Conference on Premedical Education, sponsored by Alpha Epsilon Delta, Syracuse, N. Y., May 6-7, 1949.
Participant in Conference on Science in General Education, Harvard University, Cambridge, Mass., July 9-10, 1949.

COMFORT, HOWARD

Reviews: Hawkes and Hull, *Camulodunum*, in *Amer. Journal Archaeol.*, 53 (1949) 328-31.
Lectures: "Pro Vergilio," Philadelphia Classical Society, Dec. 4, 1948.
Discussions of Quakerism, Junior High School group of Haverford Meeting, Winter 1948-1949. Eight meetings.
Secretary-Treasurer, American Philological Association.
Clerk, Haverford Preparative Meeting of Ministers and Elders.
Vice-President of Alumni Association, American Academy in Rome.
Secretary, Advisory Council of Classical School, American Academy in Rome.
Representative, Meeting of Religious Society of Friends (Arch St.).
International Centers Committee, Amer. Friends Service Committee.
Director, Osborne Association.
Penna. Committee on Penal Affairs.

COMFORT, WILLIAM W.

Books: *Quakers in the Modern World*, New York, The Macmillan Co., 1949, 212 pp.
Articles: "Haverford-Bryn Mawr 1888-1948," *Counterpoint*, No. 1, 1948.
"Friends and the Imitation," *The Friend*, 123, No. 4 (Aug. 25, 1949), 50-51.
Reviews: Rosenberger, *Montgomery County's Greatest Lady: Lucretia Mott*, in *Pennsylvania History*, 15, No. 4 (Oct. 1948), 347.
Tolles, *Meeting House and Counting House*, in *Bulletin of Friends Hist. Association*, 37, No. 2, 90-91.
Cadbury, *George Fox's Book of Miracles*, in *The Friend*, 122, No. 21 (April 7, 1949), 328-329.
Rowntree, *Claim Your Inheritance*, in *Friends Intelligencer*, Aug. 13, 1949, p. 452.
Editorial work: Historical notes in Catalog of The William Penn Charter Alumni 1875-1948.
President, Bible Association of Friends in America.
President, Friends Historical Association.
Overseer, William Penn Charter School.
Board of Managers, Haverford College.
Member of Council, Historical Society of Pennsylvania.

deGRAAFF, FRANCES

Articles: "Second Year Russian," *Modern Language Journal*, 32 No. 8 (Dec. 1948), 600-605.

"The Teaching of Soviet Literature," *Modern Language Journal*, 33, No. 3 (March 1949), 216-221.

Lectures: "The Teaching of Soviet Literature," American Association of Teachers of Slavic and East European Languages (Aatseel), New York, December 1948.

Second Vice-President of Am. Assoc. of Teachers of Slavic and East European Languages.

Chairman of Methodology Committee of Aatseel. (1948-1949).

First Vice-President of the Pennsylvania Chapter of Aatseel.

DRAKE, THOMAS E.

Reviews: Tolles, *Meeting House and Counting House: The Quaker Merchants of Colonial Philadelphia*, 1682-1763, in *William and Mary Quarterly*, Third Series, 6, No. 1 (Jan. 1949), 121-123.

Robatti, *Chronicles of Old Salem: A History in Miniature*, in *The Friend*, (Phila), 122, No. 22 (April 21, 1949), 345-346.

Editor, *Bulletin of Friends Historical Association*, 37, No. 2 (Autumn, 1948).

Lectures: "The Society of Friends in America from the Revolution to the Civil War," Lansdowne, Pa., Young Friends Meeting, Feb. 20, 1949.

"The Origin and Development of the Quaker Discipline," Pendle Hill, June 2, 1949.

Member of Board of Directors, Friends Historical Association.

Member of Board of Directors, Pendle Hill.

Member of Board of Managers, *The Friend* (Phila.).

DUNN, EMMETT R.

Articles: "American Frogs of the Family Pipidae," *American Museum Novitates*, No. 1384 (Sept. 1948), 1-13.

"Relative Abundance of some Panamanian Snakes," *Ecology*, Vol. 30, No. 1 (Jan. 1949), 39-57.

"Notes on the South American Frog Genus *Edalorhina*," *American Museum Novitates*, No. 1419 (May 1949), 1-21.

"Notes on South American Frogs of the Family Microhylidae," *American Museum Novitates*, No. 11419 (May 1949), 1-21.

Editorial Work: Critical reading of MSS of Salamander section of Stebbins book on Amphibians of Western United States, University of California.

Lectures: "The Coral Snake Problem," Society for the Study of Evolution, New York, Nov. 1948.

"The Question of Quantum Evolution in Snakes," Society for the Study of Evolution, New York, Nov. 1948.

"The Mutual Affinities of the Living Orders of Amphibians," American Society of Herpetologists and Ichthyologists, Washington, June, 1949.

"Herpetological Comparison of Panama, Costa Rica, and Nicaragua," American Society of Herpetologists and Ichthyologists, Washington, June, 1949.

Curator of Reptiles and Amphibians, Phila. Academy of Natural Sciences.

FLIGHT, JOHN W.

Books: *The Drama of Ancient Israel*, Boston: The Beacon Press, 1949, 201 pp.

Reviews: Samuel Nystrom, *Beduinentum und Yahwismus*, in *Journal of Biblical Literature*, 67, Part 4 (Dec. 1948), 394-396.

H. R. Willoughby, Ed., *The Study of the Bible Today and Tomorrow*, in *Journal*

of Bible and Religion, 17, No. 1 (Jan. 1949), 54-55.

Editorial work: Associate Editor: *Journal of Bible and Religion* (Organ of the National Association of Biblical Instructors).

Abstracts of articles on archaeological subjects in foreign periodicals for *American Journal of Archaeology*.

Preaching Engagements: South Congregational Church, Hartford, Conn., Aug. 7th and Aug. 14th, 1949.

President, Society of Biblical Literature & Exegesis.

FOSS, MARTIN

Reviews: G. F. Nuttall, *Studies in Christian Euthusiasm*, in *Bulletin of Friends Historical Association*, Spring Number, (1949), p. 43.

Lectures: "Progress and Mankind," Harcum College, Bryn Mawr, Pa., Mar. 1, 1949.

Preaching Engagements: Baldwin School, Bryn Mawr, Oct. 31, 1948.

Bryn Mawr College, Bryn Mawr, Nov. 14, 1948.

Baptist Church, Bala-Cynwyd, Jan. 23, 1949.

Bryn Mawr College, Bryn Mawr, April 10, 1949.

Overseer, Haverford Meeting.

Commencement Speech, Locust Valley School, Locust Valley, L. I., June 6, 1949.

GREEN, LOUIS C.

Articles: "Oscillator Strengths for the Continua of Ca II," *Astrophysical Journal*, 109, No. 2 (March 1949), 289-297.

Lectures: "Humanistic Aspects of Science," The Association of American University Women, Glenside, Nov. 16, 1948.

"Atomic Wave Functions," Colloquia of the Watson Scientific Computing Laboratory of the I.B.M. at Columbia University, New York, Feb. 18, 1949.

"Wave Functions with I.B.M. Equipment," American Astronomical Society meeting at Ottawa, Canada, June 21, 1949.

Spent major portion of sabbatical leave at the Watson Scientific Computing Laboratory of the I.B.M. at Columbia University.

Naval Research contract for pure research in astrophysics particularly atomic wave functions.

GUTWIRTH, MARCEL

Lecture: *La Dépréciation du réel dans le roman de Proust*," Bryn Mawr College, Graduate Division, Bryn Mawr, April 18, 1949.

HAVILAND, FIELD, JR.

Articles: "Executive-Legislative Relations in Foreign Affairs," *Task Force Report on Foreign Affairs* (Commission on Reorganization of the Executive Branch of the Government — "Hoover Commission") Washington, D. C., January, 1949, pp. 125-134.

Director, Orientation Staff, in connection with the orientation program administered by the American Friends' Service Committee, in cooperation with the Council on Student Travel, aboard the student ships, *Marine Flasher* and *Marine Shark*, during the Summer of 1949.

HAWORTH, LESTER C.

Trustee of Earlham College.

Member of the Executive Board of the American Friends Service Committee.

Member of the Executive Board of the World's Committee on Consultation.

HERNDON, JOHN G.

Articles: "John McKnitt (ca. 1650-1714) and Some of His Kinsfolk: Alexanders, Brevards and Dales," *Pennsylvania Genealogical Magazine*, 16 (October 1948), 33-48.

"Winston Tax Digest," Philadelphia, John C. Winston Co., a monthly 4-page article.

"The Reverend William Wilkinson of England, Virginia and Maryland," *Virginia Magazine of History and Biography*, Vol. 57, No. 3 (July 1949) 316-21.

Editorial work: Editor, *The Pennsylvania Genealogical Magazine* (Genealogical Society of Pennsylvania).

Editor, "Supplementary Pages for 1949," a 64-page report of Significant Business Developments of 1948, Philadelphia, John C. Winston Co., 1949.

Lectures: "Appeals from Tax Decisions," Rotary Club, Newport, N. H., July 20, 1949.

"The Search for Records of Service during the American Revolution," American Society of Genealogists, Washington, D. C., December 10, 1948.

Finance Chairman, The Southeastern District of Pennsylvania, State Y.M.C.A.

Member of the Board of Directors (until May 1948), United Nations Council of Philadelphia.

Historian, Society of the War of 1812 in Pennsylvania.

HENRY, HOWARD K.

Vice-President, Pennsylvania Forestry Association.

HETZEL, THEODORE B.

President of Board, Haverford Community Center.

Chairman, Colleges & Universities Group of Philadelphia Community Chest.

Chairman, American Society of Mechanical Engineers meeting on "Impregnated Materials for use by the Engineer," Phila., March 15, 1949.

Member of Board, Philadelphia Section, Society of Automotive Engineers.

Member of Board, Westtown Alumni Association.

HUNTER, HOLLAND

Articles: "The Planning of Investments in the Soviet Union," *Rev. of Econ. and Stat.*, 31, No. 1 (Feb. 1949), 54-62.

Lectures: Participant in informal debate, "The Budget and the National Income," League of Women Voters, Haverford, March 23, 1949.

JONES, THOMAS O.

Editorial work: Editorial work for Atomic Energy Commission.

KELLY, JOHN A.

Reviews: G. F. Meier, *Thoughts on Jestings*, Translated from the German in 1764.

Edited by J. Jones (1947), in *Modern Language Quarterly*, 10, No. 1 (March 1949), 100-101.

Editorial Work: Department Editor in German Literature, *National Encyclopedia*.

Vice-President, Goethe Association, Inc., Philadelphia.

Member of Executive Council of the German Junior Year, Inc.

LESTER, JOHN A., JR.

Books: *A Guide to the Preparation of Research Papers*, (Revised Edition), Haverford College, Haverford, Pa., 1949.

Articles: "Technique and Meaning in Fiction," *Counterpoint*, Summer 1949, pp. 8-12.

Lectures: "Creative Writing," (eight lectures), Main Line "School Night" Association, Fall Term, 1948.

"Creative Writing," (six lectures), The Germantown Community Adult School, Winter Term, 1949.

LUNT, WILLIAM E.

Reviews: G. O. Sayles, *The Medieval Foundations of England*, in *American Historical Review*, 54 (1949), 410.

MacINTOSH, ARCHIBALD

Articles: "The Class of 1952," *Haverford Trends*, No. 8 (October 1948).

"The Story of Haverford Athletics," *Haverford Trends*, No. 9 (February 1949).

Lectures: Parents' Night, Episcopal Academy, October 22, 1948.

Camden County Branch, American Association of University Women, Haddonfield, New Jersey, December 3, 1948.

Kappa Phi Kappa, University of Pennsylvania, December 15, 1948.

Parents' Night, William Penn Charter School, January 24, 1949.

Secondary Education Board Conference, New York City, N. Y., March 4, 1949.

Thirty-first Conference of National Association of Deans and Advisers of Men, Highland Park, Illinois, April 14, 1949.

Commencement address, Bergen Junior College, Teaneck, New Jersey, May 28, 1949.

Custodian, College Entrance Examination Board.

Member of Board of Trustees, Episcopal Academy.

Member of Board of Overseers, William Penn Charter School.

MELDRUM, WILLIAM B.

Books: *Quantitative Analysis*, 7th Edition, Ann Arbor, Mich., Edward Brothers, 32 pp.

Articles: "Demonstrations Using a Divided Cell," *Journal Chem. Educ.* 25 (1948) 490.

Reviews: W. H. Hatcher, *An Introduction to Chemical Science*, in *The Catalyst*, XXXIV (1948), 210 (with O. T. Benfey).

L. F. and M. Fieser, *Natural Products Related to Phenanthrene*, in *Journal of the Franklin Institute*, 247 (1949), 534 (with O. T. Benfey).

R. Livingston, *Physico-Chemical Experiments*, in *Journal Chem. Educ.* 26 (1949), 178.

Editorial work: Associate Editor, *Journal of the Franklin Institute*. Contributions to the *Third Mental Measurements Yearbook*, New Brunswick, Rutgers University Press, 1949, pp. 562-564.

Alternate Councilor, American Chemical Society.

Director, Philadelphia Science Council.

Member, Student Chemists Committee, Phila. Section, American Chemical Society.

OAKLEY, CLETUS

Books: *An Outline of Analytic Geometry*, New York, Barnes & Noble, Inc., 1949, 246 pp.

Editorial work: Chairman, Joint Committee on Publicity, American Mathematical Society and Mathematical Association of America.

Editor, Mathematical sections, *Collier's Encyclopedia*.

Mathematical Consultant to a member of the U. S. Senate.

Secretary, Philadelphia Section, Mathematical Association of America.

PALMER, FREDERIC

Articles: "What About Friction?" Part I, *Amer. Journ. of Physics*, 17, No. 4 (April 1949), 181-187.

Reviews: Alpheus W. Smith, *Elements of Physics*, in *Journal of the Franklin Institute*, 247, No. 2 (Feb. 1949), 177.

Carl F. Eyring, *Essentials of Physics*, in *Journal of the Franklin Institute*, 247, No. 6 (June 1949), 616.

Editorial work: Member of Research Staff, Franklin Institute.

Chief Editor of all reports and articles written by members of the staff in the Division of Chemical Engineering and Physics.

PARKER, FRANCIS H.

Member of discussion panel on "A Platform for Realistic Epistemology," Association for Realistic Philosophy, Harvard Univ., March 1949.

PFUND, HARRY W.

Articles: "Renzeck and Wahlwies: Two French Zone Projects," *Amer.-German Rev.*, 15, No. 1 (Oct. 1948), 6-9.

Reviews: Beutler, *Essays um Goethe*, in *Amer.-German Review*, 15, No. 6 (Aug. 1948), 38.

Editorial Work: Member, Editorial Board, *American-German Review*.

Lectures: "Germany Today," Amer. Assn. Teachers of German, Phila. Chapter, Phila., Oct. 16, 1948.

"The Present German Economy and Education," Schoolmen's Week, Univ. of Penna., March 31, 1949.

Radio Address: "Zu Goethes Geburtstag," Foreign Language Station, WTEL, Phila., Aug. 28, 1949.

Director, Carl Schurz Memorial Foundation.

Director, German Society of Pennsylvania.

Secretary, American Relief for Central Europe, Inc.

Awarded honorary citizenship of Freiburg, Germany, May 17, 1949.

POST, L. ARNOLD

Articles: "Aeschylean *onkos* in Sophocles and Aristotle," *Trans. Am. Philol. Assoc.* 78, (1947), 242-51.

Reviews: Bluck, *Plato's Seventh and Eighth Letters*, in *Class. Philol.* 44, No. 1 (Jan. 1949), 58f.

Editorial work: Editor, Loeb classical Library: Alciphron, Cicero *de Inventione*, Demosthenes VII, Livy VIII.

Lectures: "Greek Drama and the Orient," The Oriental Club of Philadelphia, March 10, 1949.

REESE, WILLIAM H.

Articles: "Music for Choirs composed before time of J. S. Bach," *Crescendo*, Jan. 1949, 3 p.

Lectures: "Music for Choirs composed before time of J. S. Bach," American Guild of Organists, Philadelphia, Oct. 1948.

"The Place of Music in a Liberal Education," Franklin & Marshall Assembly, April 1949.

"Anton Bruchner as Symphonist and his Fourth Symphony," given to Seminar in Formal Analysis at University of Penna. music department, May 1948.

Member of Visiting Committee on Music, Amherst College, November 1948.

REID, IRA DE A.

Books: "What Segregated Areas Mean," chapter 2 of R.M. MacIver, ed., *Discrimination National Welfare*, New York, Harper, 1949.

Articles: "The Negro in Politics," *New Republic*, 119, No. 16 (Oct. 18, 1948), 12-14.

"Educational Discrimination," *The Churchman*, CLXIII, No. 10 (May 15, 1949), 9.

Reviews: Clark and Perlman, *Prejudice and Property*, in *Amer. Journ. of Sociology*, LIV, No. 3 (Nov. 1948), 248.

Barton, *Witnesses for Freedom*, in *Phylon* IX, No. 4 (Dec. 1948), 367-8.

MacIver, *The More Perfect Union*, in *Phylon* IX, No. 4 (Dec. 1948), 368-9.

Rose, *The Negro in America*, in *Phylon*, IX, No. 4 (Dec. 1948), 367.

Editorial work: Assistant Editor, *American Sociological Review*.

Contributing Editor, *Phylon, Review of Race and Culture*.

Lectures: "Democracy and Civil Rights," Skidmore College, Saratoga Springs, N. Y., April 25, 1949.

"Needed Research in Sub-group Fertility," American Population Association, Princeton University, May 29, 1949.

"The Sociologist Looks at Democracy," Commencement address, Hampton Institute, Va., May 30, 1949.

"The Sociologist Looks at International Problems," Country Day School Headmasters Association, Trinity College, Hartford, Conn., July 25, 1949.

Member, Executive Committee, American Sociological Society.

Member, Federal Advisory Council, Social Security Administration.

Member (Hon.) National Council, Boy Scouts of America.

Member, Philadelphia District Committee, Health and Welfare Council.

Dean, International Service Seminar, Bennington College, Vt., Summer, 1949.

SANFORD, FILLMORE H.

Reviews: Wayland Vaughn, *Social Psychology*, in *Journal of Abnormal and Social Psychology*, 44, No. 2 (April, 1949).

Lectures: "Is War Inevitable?" Lower Merion Township Republican Woman's Club, Feb. 15, 1949.

"The Follower's Influence on Leadership Phenomena, a Report on Research in Progress," Graduate Psychology Seminar, Princeton University, Apr. 21, 1949.

"The Psychology of Military Leadership," American Psychological Association's series of lectures for Military Officers, Pentagon, May 17, 1949.

Periodic consultant, Sept. '48-June, '49, The Institute for Research in Human Relations, Philadelphia.

Member of Staff, National Training Laboratory in Group Dynamics, Bethel, Maine, June 1949.

Research Associate, Institute for Research in Human Relations, July and Aug. 1949.

Consultant, 1948 and 1949, to the Commanding General of the Air Training Command, USAF, on the Human Resources Research and Development Program.

SARGENT, RALPH M.

- Articles: "The Source of Titus Adronicus," *Studies in Philology*, XLVI, No. 2 (April 1949), 167-183.
Reviews: Wellek and Warren, *Theory of Literature*, in *The Critic*, XI, No. 6 (Sept. 1949), 2-6.
Lectures: "The Flora of the Southern Appalachians," Germantown Horticultural Society, February 7, 1949.
"The New Criticism," College English Association, Philadelphia, Apr. 30, 1949.
Trustee, Highlands Museum and Biological Laboratory, Highlands, N. C.
Board of Visitors, Union College, Schenectady, New York.

SOMERS, HERMAN M.

- Lectures: "How Congress Works," ILGWU Workers Institute, Pendle Hill, Feb. 6, 1949.
"Social Security Trends" and "The Social Role of Public Assistance" (two lectures), School of Industrial and Labor Relations, Cornell University, May 16, 1949.
"The New Politics," Library Associates, Haverford College, April 21, 1949.
"The Federal Budget," Lions Club of Haverford Township, April 11, 1949.
"Health Insurance," Labor Education Association of Philadelphia, Annual Conference, June 26, 1949.
Consultant, Federal Security Agency, Washington, D. C.
Expert Consultant, National Security Resources Board, Washington, D. C.
Member, Franklin D. Roosevelt Memorial Award Committee, American Political Science Association.
Moderator, "Towards a Better World," United National Council and Foreign Policy Association, Beaver College, March 28, 1949.

STEER, ALFRED G., JR.

- Instructor in the Summer Session, University of Pennsylvania, 1949.
Member of Membership and Lecture Committees, German Society of Pennsylvania.

STEERE, DOUGLAS V.

- Books: *Doors into Life*, New York, Harper and Bros., 1948, 189 pp.
Time to Spare, New York, Harper and Bros., 1949, 187 pp.
Pamphlet: *Internationella arbetslag — en väg till fred*, Stockholm, I.A.L., 1948, 10 pp.
Articles: "The Imitation of Christ," *Intercollegian*, Vol. 66, No. 4 (Dec. 1948), 17-18.
"The Fellowship of the Common Life," *Inward Light*, No. 34 (Spring 1949), 22-27.
Memorial Minute on Rufus M. Jones for Amer. Phil. Assn., published in 1948-1949 *Proceedings*, Vol. XXII.
Reviews: W. R. Inge, *Mysticism in Religion*, in *The Bookman*, Vol. VIII, No. 3.
David Swenson, *The Faith of a Scholar*, in *The Bookman*, Vol. VIII, No. 7.
Ray C. Petry, *No Uncertain Sound*, in *Church History*, Vol. XVIII, No. 2.
Howard Thurman, *Jesus and the Disinherited*, in *Crozer Quarterly*, Vol. XXVI, No. 3.
Lectures: Thomas Wistar Brown Fellowship journey, American Friends Service Committee and Haverford College, in January, 1949, including University of California and Leland Stanford Faculty Seminars and Lectures at Seattle, Spokane,

Washington State College, Whitman College, Portland Whittier College, Pasadena, Friends University, Bethel College, MacPherson College, Washington University, St. Louis, Earlham College, Wilmington College, Fiftieth Anniversary Flanner House, Indianapolis, Indiana.

Great Charter of Human Rights Series, Jewish Theological Seminary, New York City.

International Student House, Washington, D. C.

Auxiliary Sprunt Lecturer: Union Theological Seminary, Richmond, Va., three lectures.

John Woolman Memorial Lecture.

Western Yearly Meeting Annual Series.

Preaching Engagements, Conferences and Commencements: Berea College, Denison University, Hampton Institute, Mt. Holyoke Collge, Smith College, Union College, Union Theological Seminary (New York City); Conference Lectures (2): Methodist Conference of New Jersey; Methodist Conference of Northern New York; Connecticut Valley Friends (New Haven); Woodstown Meeting (N. J.); Germantown Unitarian Church; Germantown Methodist Church; St. Paul's (Chestnut Hill), Lenten Series — 12th Street Meeting House (Philadelphia); International Student Seminar, Portland, Oregon; George School, Pendle Hill; Brooklyn Friends School, Scattergood School.

Committee and Board Membership; Pendle Hill Board.

Chairman, John Woolman Memorial Association Board.

Vice-President, Fellowship Association Board.

Trustee, Robert Treat Pain Trust.

Member of American Friends Service Committee: Foreign Service Executive Committee and Centers Committee.

Member Yearly Meeting Committee for General Meeting and Religious Life. Committee of Yearly Meeting.

Alumni Award for Distinguished Service — Michigan State College.

STREET, JAMES H.

Lectures: "What is the International Trade Organization?" Station WPWA, Chester, Pa., March 20, 1949.

Informal debate on "The Government Budget and the National Income," League of Women Voters, Haverford, Pa., March 23, 1949.

SUTTON, RICHARD M.

Articles: "On Knowing When to Stop," *The Friend*, 122, No. 18 (Feb. 1949), 274.

"Sergei and Rufus," *The Friend*, 123, No. 3 (August 1949), 34.

Reviews: *Science in World War II: Electronics, Optics, Metallurgy*, in *Physics Today*, 1, No. 7 (Nov. 1948), 25.

Crowther and Whiddington, *Science at War*, in *Physics Today*, 2, No. 2 (Feb. 1949), 29.

Editorial work: Three physics texts for Harper & Brothers, Publishers.

Lectures: "Tools of the Physics Teacher," Instrument Society of America, Phila., Sept. 15, 1948.

"Science and the Cold War," Race Street Forum, Phila., Jan. 16, 1949.

"Atomic Energy," Irwin School, Jan. 21, 1949.

Lectures: "The Forces of Nature," Penn Charter School, Jan. 29, 1949.

"Imagination and the Teaching of Physics," Penn State College, Feb. 22, 1949.
 "Selected Demonstration Experiments," New York Science Teachers Association, New York, April 2, 1949.
 Commencement Address, Wilmington Friends School, June 8, 1949.
 "Selected Demonstration Experiments," Phila. Science Teachers Association, Phila., June 9, 1949.
 Preaching Engagements: George School, Nov. 21, 1948.
 Penn State College, "Religion in Life" Conference, Feb. 21-22, 1949.
 Westtown School, Vespers, May 15, 1949.
 Lecturer in Summer Session, General Electric Science Fellowship Program, Case Institute, Cleveland, Summer, 1949.
 Chairman, General Committee, Westtown School.
 Franklin Institute: Committee on Science and the Arts; Committee on Museum Educational Testing Service; Committee on Physics for College Entrance Examination; Committee on Physics for Graduate Record Examination.
 Participant in Symposium on Testing, Amer. Ass'n. Physics Teachers, New York, Jan. 29, 1949.

SWAN, ALFRED J.

Books: 2 HEIRMOI (from op. 15 and 28) and 2 Songs in praise of the Virgin, op. 22, for mixed voices and a cappella, Independent Music Publishers, New York City, 8 pp.
 SONATA for Violin and Piano, op. 30, Independent Music Publishers, New York City, 24 pp.
 Articles: "John Dowland," *The Guitar Review*, No. 9, 1949, p. 13.
 "Harmonizations of the Old Russian Chant," *Journal of America Musicological Society*, II (Summer, 1949), 1-4.
 Reviews: Aloys Mooser, *Annales de la musique et des musiciens en Russie au XVIII siecle* in *Journal of Amer. Musicological Society*, II (Spring, 1949), 51-52.
 Collaborator: *The New Oxford History of Music*, II (A.D. 1-1550) and X (20th c.).

TEAF, HOWARD M., JR.

Lectures: "Can Organized Labor Stand Adversity?" Ardmore Rotary Club, March 31, 1949.
 "Federal vs. State Labor Legislation — Economic Aspects," Pennsylvania Political Science & Public Administration Association, Harrisburg, April 30, 1949.
 Convenor, Conference of Quaker Economists on Industrial Relations, Haverford, June 21-23, 1949.
 Labor Arbitrations.
 Chairman, Scandinavian Subcommittee, American Friends Service Comm.
 Chairman, Economic Relations Committee, American Friends Service Comm.
 Vice-President, Univ. of Pennsylvania Christian Association.
 Member Board of Directors, Main Line "School Night".

THOMSEN, DONALD L., JR.

Articles: "Mean and Ordinary Convergence of a Sequence of Functions," *The American Mathematical Monthly*, 56, No. 7 (August-September, 1949), 469-4771.

WARREN, RICHARD H.

Preaching Engagement: "The Unitarian Imperative," Beaumont Unitarian Church, Beaumont, Texas, March 14, 1948.

WHITE, GILBERT F.

Books: Member of committee preparing *Organization and Policy in The Field of Natural Resources. Prepared for the Commission on Organization of the Executive Branch of the Government.* Washington: U. S. Government Printing Office, 1949, 244 pp.

Chairman of working party preparing *American-Russian Relations: Some Constructive Considerations.* Phila.: American Friends Service Committee, 1949, 29 pp.

Articles: "Water Limits to Human Activity in the United States," *Proceedings First Inter-American Conference on Conservation of Renewable Resources*, 1949, pp. 317-321.

"National Resources: Progress and Poverty," (with Edward Ackerman and William Vogt), *University of Chicago Roundtable*, No. 569 (Feb. 1949) 16 pp.

"River Valley Development — How Can It Best Be Accomplished?," *Proceedings of Interstate Commission on the Delaware River*, June 6-7, 1949, pp. 1-7.

"Geographic Problems in Natural Resources Administration" (abstract), *Annals Assoc. Amer. Geogr.*, 39, No. 1 (March, 1949), 59-60.

"Towards an Appraisal of World Resources," *Geogr. Rev.*, 39, No. 3 (Oct., 1949), 625-39.

"Subtle Symmetry and Sense of Development," *The Friend*, 122, No. 24 (May, 1949), 371-372.

Speaking Engagements: American Society of Public Administration (panel discussion). Chicago Seminar on Work Camps; First Inter-American Conference on Renewable Natural Resources; Friends Central School; Friends Social Union; Germantown Meeting; Interstate Commission on the Delaware River Basin; New England Yearly Meeting; William Penn Charter School; Shrewsbury Meeting.

Member of the Official United States Group of Participants to the United Nations Scientific Conference on Conservation and Utilization of Resources, Lake Success, 1949.

Member of Board of Directors: American Friends Service Committee, Citizen's Council on City Planning, Lignan University, Foreign Policy Association of Philadelphia, Pendle Hill.

One of 18 Americans issuing report on *New Evidence of the Militarization of America*, Washington: National Council Against Conscription, 1949, 64 pp.

WYLIE, LAURENCE W.

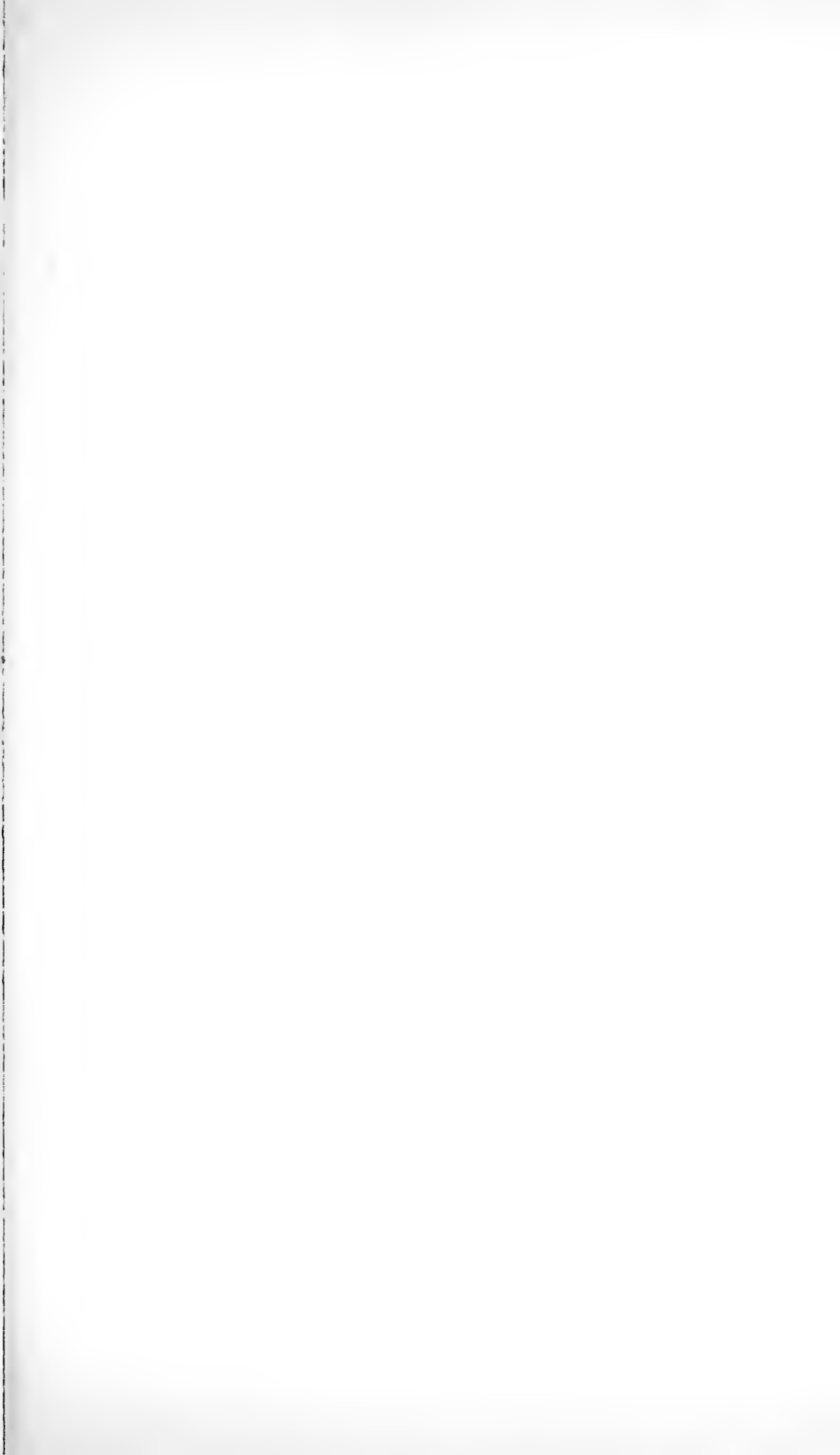
Books: *Saint-Marc Girardin, Bourgeois.* Syracuse, New York: Syracuse University Press, 1948, XIV, 234 pp.

Articles: "Ideas versus Accents: The French Department's Contribution to Liberal Education," *French Review*, 22, No. 5 (March 1949), 395-400.

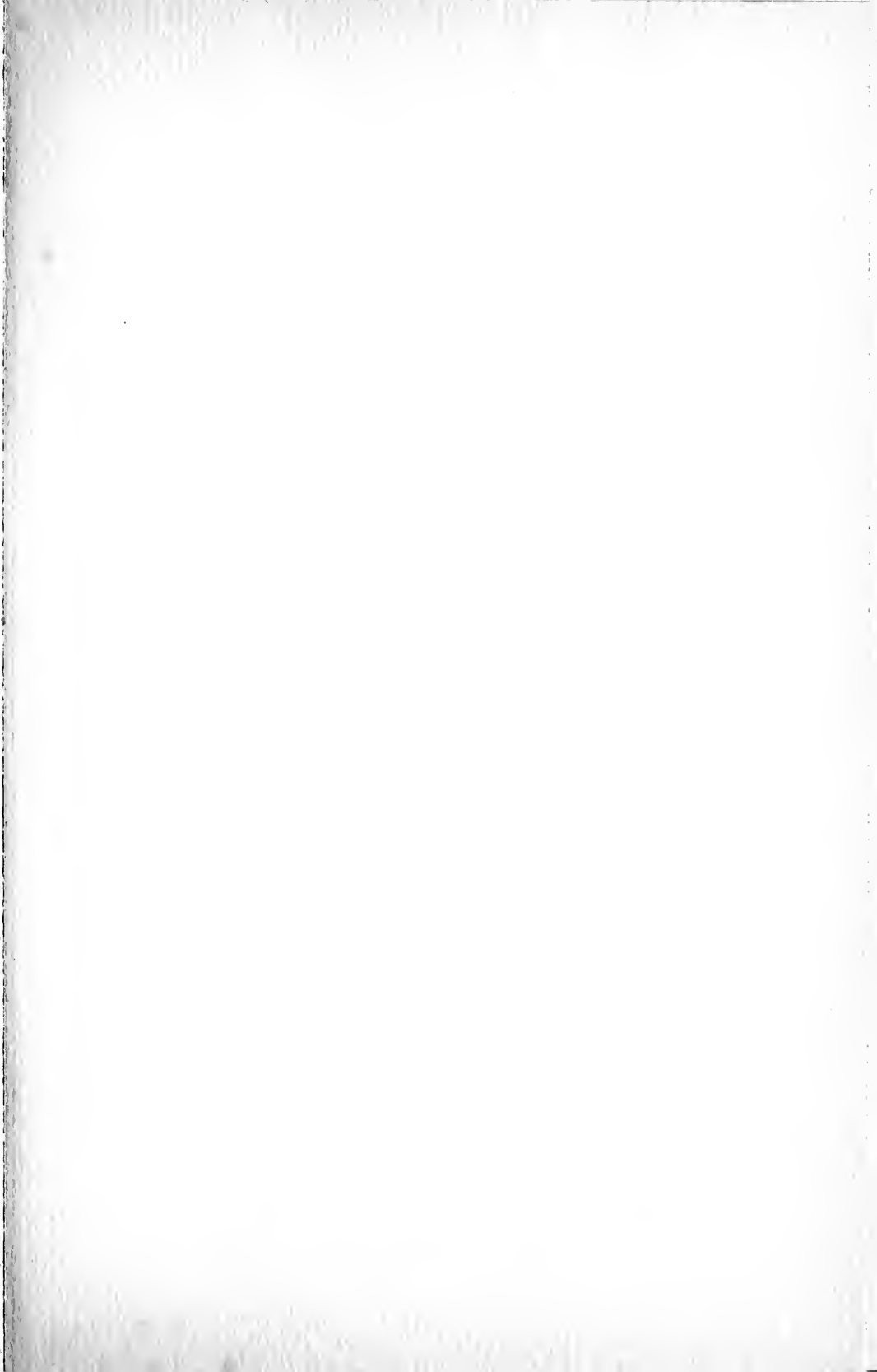
Editorial work: Associate Editor *Symposium.*

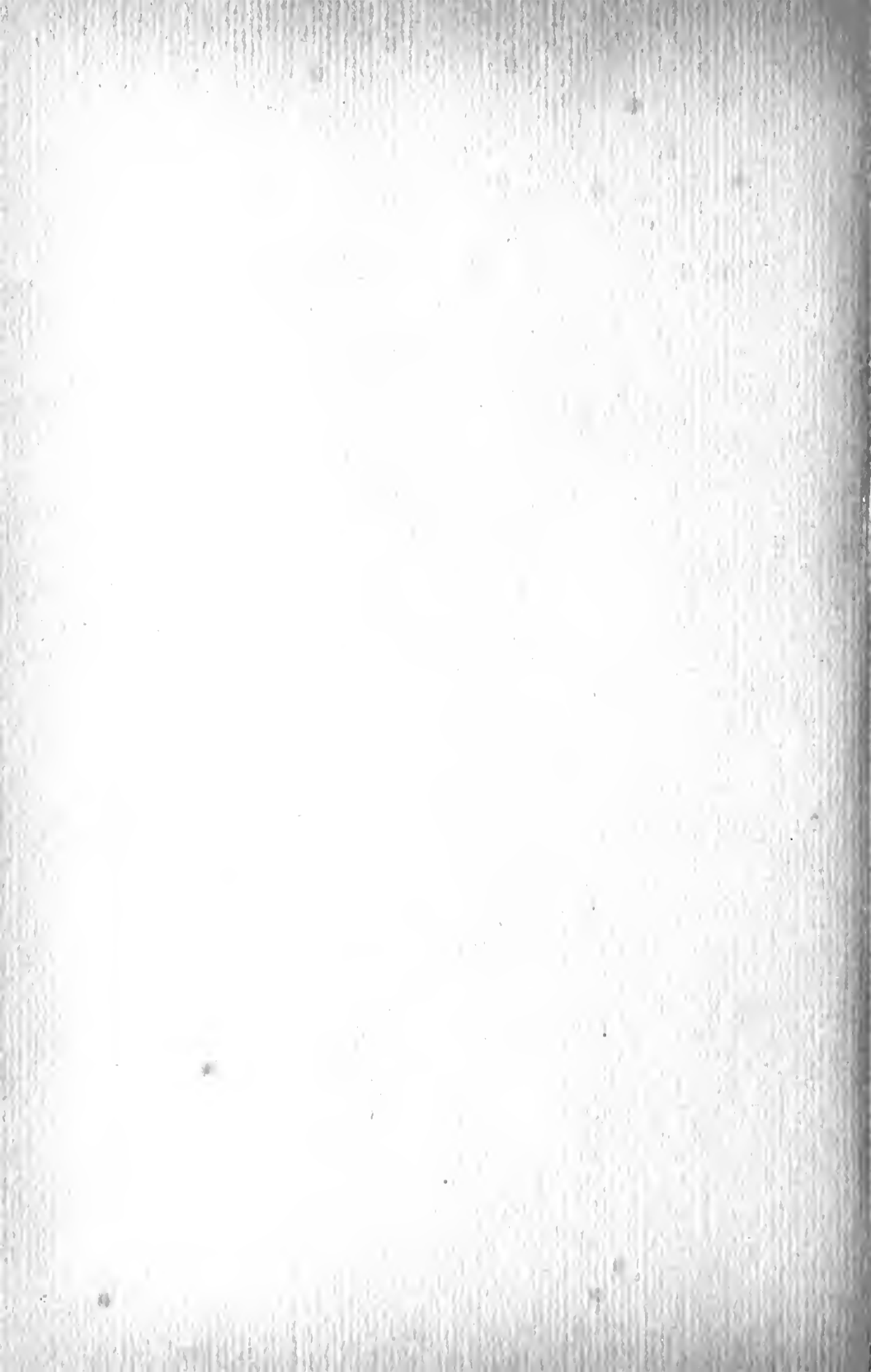
President, Philadelphia Chapter, American Association of Teachers of French.











Haverford College Bulletin



REPORT OF
TREASURER AND COMPTROLLER
OF
THE CORPORATION OF HAVERFORD COLLEGE
FOR YEAR ENDING EIGHTH MONTH 31, 1949

VOLUME XLVIII

NUMBER FOUR

April, 1950

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Photo by Blank & Stoller

J. Henry Scattergood

BOARD OF MANAGERS
THE CORPORATION OF HAVERFORD COLLEGE
MINUTES PASSED OCTOBER 18, 1949

Our dear friend and associate, J. Henry Scattergood, has requested that he be released from service as Treasurer of the College. For thirty-three years he has served in that capacity with outstanding ability and rare devotion. For thirty-three years we have leaned upon him above all others for the carrying of the day-to-day financial responsibilities of Haverford. For thirty-three years we have enjoyed the sense of assurance that we could confidently leave these affairs of the College to his unfailing attention and skillful handling. We can hardly imagine how it will be not to turn to him for such matters in the future. In the Treasurership he has served the longest term of anyone occupying that post, one year longer than his predecessor, our late friend, Asa S. Wing. He has more than earned his release. With reluctant but grateful hearts, we must not press him to withdraw his request.

Eight years ago when Henry Scattergood had been Treasurer for a quarter of a century, we had occasion to review our debt of gratitude to him. It seems fitting to recall our expression of our feelings at that time, feelings which the passage of additional years have only deepened and enhanced. We then said:

"We, the members of the Haverford College Board of Managers, unite in wishing to pay tribute to our fellow member, J. Henry Scattergood, upon the completion of twenty-five years of service as Treasurer of the College, dating from the time of his appointment in October 1916. During this long period much growth, many changes and new problems occurring from time to time, have added greatly to the responsibilities and labors attaching to his office. The invested funds of the College have increased from about two and one-half million dollars to more than four and one-quarter million dollars. A new plan of pensions for members of the Faculty has been established. Insurance on the College buildings has been placed on a perpetual basis. A system of consolidated investments has been put into effect. These are but some of the evidences of the progress and improvements which, in the field of financial operations, have marked the quarter of a century of his treasurership. The extensive reports, comprehensive, detailed, accurate, which he has presented annually to the Board and to the Corporation, bear eloquent, though mute, testimony to the great volume of his work from day to day and from year to year.

"To the task of caring for this work and its heavy responsibilities Henry Scattergood has unstintedly given devoted service. With unwavering faithfulness he has been unsparing of himself in employing for the good of the College his exceptional talents and capacities. Serving without compensation, he has himself borne much of the expense of the work. And as he has moved among us we have been conscious of the unassuming humility and genuine cheerfulness with which he has made his notable contribution to the College."

Such was, in part, our earlier expression, and such today are our feelings of appreciation, augmented by the added years. From the date of his election to the Board on March 20, 1908 to the present is a span of more than forty-one years. We are happy, indeed, that that span is to grow larger by his continuing membership on the Board. We remember, too, other services in those earlier years. Prior to becoming Treasurer he acted as Secretary of the

Board from 1915-1916. In the first year of his treasurership, the income of the College from funds and receipts at the College was about \$197,000; today it is about \$1,142,000. The book value of the Funds today is over four and three-quarter millions.

But figures and dollars seem foreign to what it is in our thought to say. No coin can pay the debt we owe; nor indeed can any words fully convey our sense of it. But with warm hearts we speak again of Henry Scattergood and to him - in the words which closed our former minute:

"Haverford has been fortunate, indeed, in having had in its service for this long period his rare combination of efficiency and dedication. We, his fellow Board members, are happy in having this opportunity to express to him, on behalf of the College, a deep sense of gratitude, to pay him our tribute of honor and esteem and to greet him with affection as our comrade and friend."



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RICHARD M. SUTTON.....785 College Ave., Haverford, Pa.
RICHARD R. WOOD.....272 West Main Street, Moorestown, N. J.

Term Expires 1952

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DR. E. WAYNE MARSHALL.....140 Cedarbrook Road, Ardmore, Pa.

¹Retired Tenth Month 1949

²Term Began Tenth Month 1949

BOARD OF MANAGERS

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ALEXANDER C. WOOD, JR. 325 Chestnut St., Phila. 6
HAROLD EVANS. 1000 Provident Trust Bldg., Phila. 3

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WESLEY M. HEILMAN, *Term Expires 1951*. 126 Edgewood Road, Ardmore, Pa.
WILLIAM P. PHILIPS, *Term Expires 1951*. 200 W. 56th St., New York 19, N.Y.
ROBERT A. LOCKE, *Term Expires 1952*. Haverford, Pa.

FACULTY REPRESENTATIVES

<i>Term Expires 1950</i>	<i>Term Expires 1951</i>
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<i>Alternates: 1949-50: Thomas E. Drake and Carl B. Allendoerfer</i>	

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¹Retired Tenth Month 1949

²Term Began Tenth Month 1949

STANDING COMMITTEES OF THE BOARD OF MANAGERS OF
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*The Chairman of the Board is an
ex-officio member of all Committees.*

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HENRY M. THOMAS, JR., <i>Chairman</i>	M. ALBERT LINTON
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WM. W. COMFORT	L. HOLLINGSWORTH WOOD
GARRETT S. HOAG	

Committee on the College Library

ALEXANDER C. WOOD, JR., <i>Chairman</i>	WILMOT R. JONES
WM. W. COMFORT	WILLIAM P. PHILIPS

COUNSEL

MacCOY, EVANS & LEWIS
1000 Provident Trust Bldg.
Philadelphia 3, Pa.

¹Term Began: Tenth Month 1949

Administration

GILBERT FOWLER WHITE
S.B., S.M. and Ph.D., University of Chicago
President

ARCHIBALD MACINTOSH
A.B., Haverford College; M.A., Columbia University
Vice President and Director of Admissions

LESTER CORNERIUS HAWORTH
S.B., Earlham College
Vice-President

GILBERT THOMAS HOAG
A.B., Haverford College; A.M. and Ph.D., Harvard University
Dean

*ABRAHAM PEPINSKY
B.A. and M.A., University of Minn.
Ph.D., The State University of Iowa
Registrar

MRS. EDYTHA M. CARR
Assistant Registrar

ALDO CASELLI
D.S.E. and C., University of Naples
Comptroller and Business Manager

AMY LYDIA POST
A.B., Earlham College
Acting Librarian

THOMAS EDWARD DRAKE
A.B., Stanford University; A.M., University of Michigan; Ph.D., Yale University
Curator of the Quaker Collection

HERBERT WILLIAM TAYLOR
A.B., Haverford College; M.D., University of Pennsylvania
Physician in Charge

MABEL SYLVIA BEARD
R.N., Lankenau Hospital
Resident Nurse

LOUIS CRAIG GREEN
A.B., A.M., and Ph.D., Princeton University
Director of the Strawbridge Memorial Observatory

SEATON SCHROEDER
B.S. and C.E., University of Pennsylvania
Superintendent of Buildings and Grounds

MRS. ETHEL ELIZABETH BEATTY
Dietician

BENNETT SMEDLEY COOPER
B.S., Haverford College
Alumni Secretary and Assistant to the President

MRS. ALICE MATTSON BERRY
Secretary to the President

GERTRUDE MANN WONSON
S.B., Simmons College
Admissions Office

* Absent on leave, 1949-50

THE CORPORATION OF HAVERFORD COLLEGE

OPERATING STATEMENT

For the Year Ending 8th Month 31, 1949

<i>Receipts at College, applicable to Budget</i>	\$626,021.11	
Less Tuition from Scholarship Funds.....	<u>21,862.25</u>	
		604,158.86
<i>Income from Funds, applicable to Budget</i>		
General Funds.....	\$219,159.82	
Scholarship Funds (as above).....	<u>21,862.25</u>	241,022.07
<i>From Trusts applicable to Budget</i>		
Nathan Branson Hill Trust.....	105.00	
W. Percy Simpson Trust.....	2,528.90	
Henry C. Brown Trust.....	<u>8,014.18</u>	10,648.08
<i>Donations applicable to Budget</i>		
For Cope Field.....	50.00	
For General Purposes.....	168.60	
From Alumni Sustaining Fund.....	<u>15,204.43</u>	15,423.03
<i>Interest Received</i>	<u>1,727.84</u>	
Total Receipts.....		\$872,979.88
<i>Expenses of Running the College</i> (as per following statement)		
		<u>857,584.75</u>
Operating Gain for the Year 1948-1949.....		<u>\$ 15,395.13</u>

THE CORPORATION OF HAVERFORD COLLEGE

STATEMENT OF DEBT OF THE CORPORATION

8th Month 31, 1949

DEBT OF THE CORPORATION

Debt of the Corporation 9th Month 1, 1948

(all for Extraordinary Repairs)..... \$117,080.42

Decreased:

By Refund of Amount previously charged off..... \$ 4.25
By Operating Gain for the Year..... 15,395.13

15,399.38

Debt as of 8th Month 31, 1949
All for Extraordinary Repairs

\$ 101,681.04

REPORT ON THE FUNDS

	Principal			Income		
	Book Value	Decreased	Increased	Book Value	Net Income	Expended
	Sept. 1, 1948	August 31, 1949	August 31, 1949	Sept. 1, 1948	August 31, 1949	August 31, 1949
Funds for General Purposes						
General Endowment Fund.....	\$93,753.86			\$93,753.86	\$5,099.30	\$5,099.30
John Farnum Memorial Fund.....	32,375.19			32,375.19	1,493.24	1,493.24
John M. Whitall Fund.....	10,252.18			10,252.18	557.62	557.62
David Scull Fund.....	43,173.04			43,173.04	2,348.20	2,348.20
Edward L. Scull Fund.....	10,950.03			10,950.03	595.58	595.58
Wistar Morris Memorial Fund.....	4,956.69			4,956.69	269.60	269.60
Israel Franklin Whitall Fund.....	10,388.86			10,388.86	565.05	565.05
Jacob P. Jones Endowment Fund.....	1,253,930.25			1,253,930.25	68,201.67	63,251.67
John Farnum Brown Memorial Fund.....	265,841.10			265,841.10	14,459.18	14,459.18
Ellen Wain Fund.....	10,711.80			10,711.80	582.62	582.62
Clementine Cope Endowment Fund.....	20,710.06			20,710.06	1,126.43	1,126.43
Nathan Branson III Fund.....	5,208.91	5,208.91		---	165.00	105.00
Joseph E. Grillingham Fund.....	40,849.10			40,849.10	2,221.80	2,221.80
Henry Norris Fund.....	5,671.42			5,671.42	308.47	308.47
Elizabeth B. Farnum Fund.....	9,160.24			9,160.24	498.23	498.23
James K. Magee Fund.....	43,382.69	7.40		43,390.09	2,361.34	2,361.34
Albert K. Smiley Fund.....	1,445.31			1,445.31	78.61	78.61
Blochman Astronomical Fund.....	38,074.84			38,074.84	2,070.90	2,070.90
Wm. D. & E. M. L. Scull Fund.....	168,196.24			168,196.24	9,152.49	9,152.49
Alvin Garrett Memorial Fund.....	25,795.00			25,795.00	1,403.00	1,403.00
Arnold Chase Scattergood Fund.....	23,492.69			23,492.69	1,277.78	1,277.78
Francis B. Gummer Memorial Fund.....	120,991.54			120,991.54	6,580.77	6,580.77
Isaac Sharpless Memorial Fund.....	210,754.11			210,754.11	11,462.98	11,462.98
General Education Fund.....	121,480.36			121,480.36	6,607.36	6,607.36
William Penn Foundation.....	98,346.29			98,346.29	5,349.09	5,349.09
Walter Carroll Brinton Memorial Fund.....	13,610.80			13,610.80	740.30	740.30
Corporation Fund.....	77,093.02			77,093.02	4,193.12	4,193.12
Elizabeth J. Shortridge Fund.....	9,635.43			9,635.43	524.07	524.07
Howard Comfort Memorial Fund.....	4,844.02			4,844.02	270.27	270.27
Emma Ridgway Conly Fund.....	500.00	500.00		---	270.27	270.27
Ellen W. Longstreth Fund.....	48,165.07			48,165.07	2,619.71	2,619.71
In Consolidated a c.....	113,710.22			113,710.22	6,184.74	6,184.74
Mary Pearsall Agency a c.....	46.67			46.67		
T. Allen Billes Bequest.....	270,528.30			270,528.30	14,714.11	14,714.11
Leonard L. Greif, Jr. & Roger L. Greif Fund.....	2,963.54			2,963.54	161.19	161.19
Albert L. Bailly Fund.....	4,817.71			4,817.71	262.04	262.04
Elizabeth B. Wistar Warner Fund.....	4,769.54			4,769.54	259.42	259.42
Edward M. Wistar Fund.....	2,408.86			2,408.86	131.02	131.02
Triangle Society Endowment Fund.....	500.00			500.00	27.20	27.20
Morris E. Leeds Fund.....	39,428.52			39,428.52	2,144.53	2,144.53
Forward.....	\$3,262,413.50	\$507.40	\$5,208.91	\$3,257,711.99	\$177,008.03	\$4,950.00

REPORT ON THE FUNDS (Continued)

	Principal			Income				
	Book Value Sept. 1, 1948	Increased	Decreased	Book Value August 31, 1949	Net Income	Expended	Special	Balance August 31, 1949
<i>Forward</i>	\$3,262,413.50	\$507.40	\$5,208.91	\$3,257,711.99	\$177,008.03	\$172,058.03	\$4,950.00	
<u>Funds for General Purposes (Continued)</u>								
Morris E. Leeds Fund #2.....		126,000.00		126,000.00	3,385.80	3,385.80		
J. Henry Scattergood Fund.....	1,979.41			1,979.41	107.66	107.66		
Parker S. Williams Fund.....	103,993.26			103,993.26	5,656.23	5,656.23		
W. Percy Simpson Trust.....					2,528.90	2,528.90		
Clarence W. Bankard Fund.....	4,305.01	113.74		4,418.75	237.24	237.24		
Gilbert C. Fry Fund.....	1,000.00			1,000.00	54.39	54.39		
Daniel B. Boyer Fund.....	2,500.00			2,500.00	135.98	135.98		
Mary K. Comby Fund.....	35,000.00			35,000.00	1,903.66	1,903.66		
Henry C. Brown Fund.....		10,000.00		10,000.00	8,014.18	8,014.18		
Marriott C. Morris Fund.....		1,000.00		1,000.00	543.90	543.90		
Mary Brown Fund.....					13.60	13.60		
	<u>3,411,191.18</u>			<u>3,543,603.41</u>				
<u>Fund for Wistar Brown Graduate School</u>								
Moses Brown Fund.....	349,719.30	1,902.14		351,621.44	19,021.36	12,106.97	5,012.25 ¹ 1,902.14 ²	
<u>Funds for Morris Infirmary</u>								
Infirmary Endowment Fund.....	9,301.50			9,301.50	505.91	505.91		
John W. Pinkham Fund.....	<u>4,875.05</u>			<u>4,875.05</u>	<u>265.16</u>	<u>265.16</u>		
	14,176.55			14,176.55				
<u>Fund for Haverford Union</u>								
Haverford Union Fund.....	1,810.33			1,810.33	98.46	98.46		
<u>Funds for Scholarships</u>								
Thomas P. Cope Fund.....	5,066.13			5,066.13	879.77	275.55	200.00 ¹	\$155.32
Edward Yarnall Fund.....	5,847.96			5,847.96	166.13	318.07	400.00 ¹	24.20
Isiah V. Williams Fund.....	19,094.90			19,094.90	400.67	1,038.58	1,000.00 ¹	439.25
Pichard T. Jones Scholarship Fund.....	4,871.92			4,871.92	102.47	264.99	300.00 ¹	67.46
Mary M. Johnson Scholarship Fund.....	6,757.92			6,757.92	182.68	367.57	400.00 ¹	180.25
Sarah Marshall Scholarship Fund.....	7,631.02			7,631.02	146.08	415.05	400.00 ¹	161.13
Clementine Cope Fellowship Fund.....	<u>22,012.96</u>			<u>22,012.96</u>	<u>2,454.75</u>	<u>1,197.29</u>	<u>400.00¹</u>	<u>3,652.04</u>
<i>Forward</i>	\$71,282.81	\$139,523.28	\$5,208.91	\$71,282.81	\$223,357.56	\$207,616.07	\$14,564.39	\$ 4,649.65

REPORT ON THE FUNDS (Continued)

	Principal			Income			Balance August 31, 1949	
	Book Value Sept. 1, 1948	Increased	Decreased	Book Value August 31, 1949	Net Income	Expended		Special
<i>Forward</i>	\$ 71,282.81	\$139,523.28	\$5,208.91	\$ 71,282.81	\$223,357.56	\$207,616.07	\$14,564.39	\$ 4,649.65
Funds for Scholarships (Continued)								
Isaac Thorner Johnson Scholarship Fund...	8,454.71	59.85		8,514.56	459.85		400.00 ¹	59.85 ²
Casper Wistar Memorial Fund.....	2,843.61			2,843.61	62.77		150.00 ¹	150.00 ¹
J. Kennedy Moorhouse Scholarship Fund.....	4,967.88			4,967.88	270.20		300.00 ¹	77.00
Louis Jaquette Palmer Scholarship Fund.....	4,817.71			4,817.71	507.72		700.00 ¹	69.76
Paul W. Newhall Memorial Scholarship Fund	4,861.65			4,861.65	93.50		250.00 ¹	107.93
Robert Martin Zuckert Memorial								
Scholarship Fund.....	20,813.65			20,813.65	607.17		900.00 ¹	839.23
Samuel E. Billies Scholarship Fund.....	4,834.39			4,834.39	262.94		300.00 ¹	60.39
Class of 1913 Scholarship Fund.....	2,890.62			2,890.62	51.18		150.00 ¹	58.40
Class of 1917 Scholarship Fund.....	5,734.85	250.00		5,984.85	319.51		200.00 ¹	306.26
Daniel B. Smith Fund.....	5,000.00			5,000.00	109.84		300.00 ¹	81.79
Sarah Tatum Billies Memorial Scholarship								
Fund.....	75,534.58			75,534.58	1,387.49		3,650.00 ¹	1,845.84
Elihu Grant Memorial Scholarship Fund...	15,078.73			15,078.73	529.49		700.00 ¹	649.63
Christian Febriger Memorial Scholarship								
Fund.....	8,000.00	9,050.00		17,050.00	192.91		400.00 ¹	433.13
Joseph C. & Anne N. Birdsall								
Scholarship Fund.....	15,000.00	5,000.00		20,000.00	462.57		500.00 ¹	959.73
Joseph L. Markley Memorial Scholarship								
Fund.....	5,000.00			5,000.00	113.82		300.00 ¹	85.77
Daniel E. Davis, Jr. Memorial								
Scholarship Fund.....	3,000.00			3,000.00	87.94			251.11
Jonathan M. Steere Scholarship Fund....		2,300.00		2,300.00	181.27			181.27
	258,115.19			274,775.04				
Augustus Faber Murray Research								
Scholarship Fund.....	22,460.12			22,460.12	148.63		980.00 ³	288.55
Funds for the Library								
Alumni Library Fund.....	16,799.42			16,799.42	913.73		100.00 ⁵	
Mary Farnum Brown Library Fund.....	65,410.51	35.76		65,446.29	3,557.70		35.76 ²	
William H. Jenks Library Fund.....	4,817.71			4,817.71	72.88			121.70
Mary Wistar Brown Williams Library Fund								
	19,566.40			19,566.40	1,545.69		1,757.62 ⁶	852.29
<i>Forward</i>	\$106,594.04	\$156,218.91	\$5,208.91	\$106,629.82	\$ 9,837.15	\$241,012.29	\$208,529.80	\$ 11,986.86

REPORT ON THE FUNDS (Continued)

	Principal			Income						
	Book Value Sept. 1, 1948	Increased	Decreased	Book Value August 31, 1949	Balance Sept. 1, 1948	Net Income	Expended	Special	August 31, 1949	Balance
<i>Forward</i>	\$106,594.04	\$156,218.91	\$5,208.91	\$106,629.82	\$ 9,837.15	\$241,012.29	\$208,529.80	\$30,332.78		\$ 11,986.86
Anna Yarnall Fund.....	166,842.34			166,842.34	17.37	9,074.62		7,423.68 ¹¹		8.99
In Consolidated a-c.....								1,650.94 ⁶		
Agency a-c.....	612.30			612.30		33.30		41.68 ⁶		
F. B. Gamere Library Fund.....										11.69
Edmond Morris Ferrissson, Jr.	965.80			965.80	17.83	52.53		58.67 ⁶		412.37
Memorial Fund.....	6,341.02			6,341.02	67.48	344.89				76.15
Class of 1888 Library Fund.....	1,207.83			1,207.83	10.46	65.69				80.83
Class of 1918 Library Fund.....	600.00			600.00	52.20	32.63		4.00 ⁶		
Quakeriana Fund.....										33.99
Motank Fund for The Rufus Jones	1,500.00			1,500.00		33.99				45.33
Collection on Mysticism.....	5,000.00			5,000.00		45.33				
Rufus M. Jones Book Fund.....										
<i>Forward</i>	283,163.33			289,699.11						
Funds for Old Style Pensions										
President Sharpless Fund.....	39,733.67			39,733.67	2,161.13	2,161.13				
William P. Henszey Fund.....	35,418.53			35,418.53	1,926.43	1,926.43				
Jacob P. Jones Benefit Fund.....	65,630.50			65,630.50	3,569.66	3,569.66				
Pliny Earle Chase Memorial Fund.....	3,152.93			3,152.93	171.49	171.49				
Haverford College Pension Fund.....	107,955.98			107,955.98	5,871.77	5,871.77				
<i>Forward</i>	251,891.61			251,891.61						
Funds for Special Purposes										
Thomas Shipley Fund.....	5,056.68			5,056.68	174.29	275.03		239.46 ⁵		209.83
Elleston P. Morris Fund.....	1,085.68			1,085.68	147.35	59.05		40.42 ⁹		165.98
John B. Garrett Reading Prize Fund.....	2,189.40			2,189.40	744.04	119.08				863.12
Special Endowment Fund.....	8,890.67			8,890.67	1,314.37	539.57		131.72 ¹²		555.99
<i>Forward</i>								50,00 ¹³		
								200.00 ⁷		
								25,00 ⁸		
								183.79 ⁶		
								707.44 ⁴		
								95.00 ¹⁰		
Scholarship Improvement Prize Fund.....	2,213.14			2,213.14	153.19	120.37				178.56
Elizabeth P. Smith Fund.....	1,680.48			1,680.48	556.34	91.40				647.74
<i>Forward</i>	\$ 21,116.05	\$162,718.91	\$5,208.91	\$ 21,116.05	\$ 13,092.07	\$265,600.25	\$222,230.28	\$41,184.61		\$ 15,277.43

REPORT ON THE FUNDS (Continued)

	Principal			Income			Balance August 31, 1949	
	Book Value Sept. 1, 1948	Increased	Decreased	Book Value August 31, 1949	Net Income	Expended		Special
Forward.....	0	\$ 21,116.05	\$ 5,208.91	\$ 21,116.05	\$ 13,092.07	\$ 222,230.28	\$ 41,184.61	\$ 15,277.43
<u>Funds for Special Purposes (Continued)</u>								
S. P. Lippincott History Prize Fund.....	2,454.02		2,454.02	2,454.02	133.47		224.04 ⁶	306.50
Francis Stokes Fund.....	4,933.63		4,933.63	4,933.63	268.34		950.00 ¹⁴	779.47
George Peirce Prize Fund.....	2,571.04	89.84	2,660.88		139.84		50.00 ¹⁰	
							89.84 ²	
Lyman Beecher Hall Prize Fund.....	2,076.43		2,076.43	408.84	112.94		100.00 ¹	421.78
Newton Prize Fund.....	1,346.79		1,346.79	72.76	73.25		48.62 ⁶	97.39
Edward B. Conklin Athletic Fund.....	2,312.51		2,312.51		125.78	125.78		
Arboretum Fund.....	4,420.49		4,420.49	1,286.44	240.43		60.00 ¹⁵	1,466.87
William Ellis Scull Prize Fund.....	1,927.09		1,927.09	368.59	104.82		50.00 ¹⁰	423.41
Paul D. I. Maier Fund.....	963.54		963.54	52.41	32.41	32.41	20.00 ¹⁰	
Strawbridge Observatory Maintenance Fund	3,699.55		3,699.55	220.29	361.22	297.54	35.13 ²	283.97
Jacob Eugenic Bucky Memorial Foundation	4,205.44	35.13	4,240.57		228.74		193.61 ¹⁶	
Mathematics Department Prize Fund	1,170.19	31.65	1,201.84		63.65		32.00 ¹⁰	
Wm. T. Elkinton Fund.....	2,491.50		2,491.50	189.31	135.51	103.50	31.65 ²	221.32
Tilney Memorial Fund.....	5,000.00		5,000.00	743.04	271.95	90.71		924.28
Class of 1902 Latin Prize Fund.....	142.90		142.90	29.24	7.77			37.01
Class of 1898 Gift.....	6,100.00		6,100.00	54.05	331.78			385.83
Edmund J. Lee Memorial Award Fund.....	906.50	100.00	1,006.50		52.48			52.48
	\$ 67,837.67		\$ 68,094.29					
	\$ 4,660,365.28	\$ 162,975.53	\$ 5,208.91	\$ 4,818,131.90	\$ 18,322.83	\$ 222,880.22	\$ 43,069.50	\$ 20,677.74
	\$ 18,322.83	Bal. 9-1-48	Expended	222,880.22				
	268,304.63	Income *	Special	43,069.50				
	286,627.46			265,949.72				
	- 265,949.72	Expense						
	20,677.74	Balance 8-31-49						

- 1 Scholarships
- 2 Income Transferred to Principal
- 3 Printing
- 4 Amnity
- 5 Lecture
- 6 Books
- 7 Religious Education Committee
- 8 Friends Conference on Education
- 9 Prizes
- 10 Friends Institute
- 11 Salaries
- 12 Conference
- 13 Labor Education Association
- 14 Excavating at Pond
- 15 Grass Seed
- 16 Work Camp Project

* Total Income from Receipts..... \$268,084.38
 Add Scull Fund - Refund of Exp. Chgd..... 4.25
 Spec. End. Fd. - Regist'n Fee Family Inst.... 56.00
 Strawbridge Maint. Observatory Fund.....
 Fees from Students..... 160.00
 \$268,304.63

SUMMARY OF THE FUNDS

	Book Value September 1, 1948	Increased	Decreased	Book Value September 1, 1949
Funds for General Purposes.....	\$3,411,191.18	\$137,621.14	\$5,208.91	\$3,543,603.41
Fund for T. Wistar Brown Graduate School.....	349,719.30	1,902.14		351,621.44
Funds for Morris Infirmary.....	14,176.55			14,176.55
Fund for Haverford Union.....	1,810.33			1,810.33
Funds for Scholarships.....	280,575.31	16,659.85		297,235.16
Funds for Library.....	283,163.33	6,535.78		289,699.11
Funds for Old Style Pensions.....	251,891.61			251,891.61
Funds for Special Purposes.....	67,837.67	256.62		68,094.29
	<u>\$4,660,365.28</u>	<u>\$162,975.53</u>	<u>\$5,208.91</u>	<u>\$4,818,131.90</u>
Plus undistributed gain in Consolidated Investments Account.....	109,226.99	24,042.97		133,269.96
	<u>\$4,769,592.27</u>	<u>\$187,018.50</u>		<u>\$4,951,401.86</u>

SUMMARY AS TO CONSOLIDATED AND NON-CONSOLIDATED ACCOUNTS

Consolidated Account.....	\$4,709,501.38	\$187,034.30	\$15.80	\$4,896,519.88
Non-Consolidated Accounts:				
John Farnum Memorial Fund.....	32,375.19			32,375.19
Nathan Branson Hill Fund - Now Trust (In care of First National Bank & Trust Co., Minneapolis, Minnesota)	5,208.91		5,208.91	46.67
Ellen W. Longstreth Fund - Mary Pearsall et al Agency Account.....	46.67			22,460.12
Augustus Taber Murray Research Scholarship Fund.....	22,460.12			22,460.12
	<u>\$4,769,592.27</u>	<u>\$187,034.30</u>	<u>\$5,224.71</u>	<u>\$4,951,401.86</u>

The Book Value Increased \$181,809.59 as follows:

Donations for Additions to Funds.....	\$160,821.14
Income Transferred to Principal.....	2,154.39
Gains on Securities	
Sold.....	\$14,088.75
Matured.....	9,220.02
Real Estate.....	750.00
	<u>24,058.77</u>
	\$187,034.30

LESS:

Loss on Real Estate.....	15.80
Nathan Branson Hill Fund which is now a trust.....	5,224.71 *
	<u>\$181,809.59</u>

* Note: Nathan Branson Hill Fund heretofore was the only fund held in trust for the Corporation and was treated as a non-consolidated fund. We now have other trusts and Nathan Branson Hill Fund as of the end of 1948-49 is being taken out of funds and included with the trusts held for the college under name of Nathan Branson Hill Trust.

CLASSIFICATION OF INVESTMENTS

8th Month 31, 1949

<u>Consolidated Account</u>	<u>Non-Consolidated Account</u>	<u>Total</u>	<u>%</u>	<u>Market Value</u>	<u>%</u>
<u>BONDS</u>					
Government - U.S.	\$ 217,500.00	\$ 217,500.00		\$ 223,604.13	
Industrial	24,562.50	24,562.50		18,500.00	
Public Utility	166,222.68	175,740.18		159,342.50	
Railroad	620,308.07	647,161.46		614,573.75	
Miscellaneous	<u>10,479.00</u>	<u>10,479.00</u>		<u>31,652.50</u>	
	\$ 1,039,072.25	\$ 36,370.89	\$1,075,443.14		21.52
<u>PREFERRED STOCK</u>					
Industrial	292,356.01	292,356.01		286,300.00	
Public Utility	266,860.54	266,860.54		267,665.50	
Railroad	<u>116,343.60</u>	<u>116,343.60</u>		<u>119,750.00</u>	
	675,560.15		675,560.15		13.64
<u>COMMON STOCK</u>					
Bank & Insurance	526,370.89	526,370.89		546,955.00	
Industrial	1,018,853.32	1,019,028.32		1,067,185.38	
Public Utility	662,447.15	672,108.68		605,153.13	
Railroad	175,131.87	180,922.02		117,863.01	
Miscellaneous	<u>36,832.00</u>	<u>36,832.00</u>		<u>46,223.00</u>	
	2,419,635.23	15,626.68	2,435,261.91		49.19
<u>MORTGAGES</u>	264,631.74	1,971.67	266,603.41		5.38
<u>MISCELLANEOUS (Including Campus Houses - \$347,419.72)</u>	387,583.37		387,583.37		7.96
<u>CASH - due to Funds from Corporation (@ 4% Interest)</u>	<u>110,037.14</u>	<u>912.74</u>	<u>110,949.88</u>	<u>2.24</u>	
	\$4,896,519.88	\$4,881.98	\$4,951,401.86		100.00
			<u>387,583.37</u>		7.96
			<u>110,949.88</u>		2.27
			<u>\$4,869,904.56</u>		100.00

NOTE: There are \$65,877.50 Public Utility Stocks not included in the above figures being holdings in C. Wharton Stork Art Gift Fund which is not included in the Funds. This Fund also has an overdraft in Principal cash of \$42,677.50.

INCOME RETURN

There are held also \$5,075 in non-interest bearing U. S. Savings Series "F" Bonds (all in safe keeping) allocated as follows:

\$3,750.	Donations (Field House)
<u>1,325.</u>	Donations (Class of 1934 Gift - in process of redemption for the 15th Class Anniversary Gift to the College)
\$5,075.	

SUMMARY OF THE ACCOUNTS OF
THE CORPORATION OF HAVERFORD COLLEGE

J. HENRY SCATTERGOOD, TREASURER

ALDO CASELLI, COMPTROLLER

For the Year Ending Eighth Month 31, 1949

RECEIPTS

Income from Funds for General Purposes

General Endowment Fund.....	\$ 5,099.30
John Farnum Memorial Fund.....	1,493.24
John M. Whitall Fund.....	557.62
David Scull Fund.....	2,348.20
Edward L. Scull Fund.....	595.58
Wistar Morris Memorial Fund.....	269.60
Israel Franklin Whitall Fund.....	565.05
Jacob P. Jones Endowment Fund.....	68,201.67
John Farnum Brown Fund.....	14,459.18
Ellen Waln Fund.....	582.62
Clementine Cope Endowment Fund.....	1,126.43
Joseph E. Gillingham Fund.....	2,221.80
Henry Norris Fund.....	308.47
Elizabeth H. Farnum Fund.....	498.23
James K. Magee Fund.....	2,361.34
Albert K. Smiley Fund.....	78.61
Hinchman Astronomical Fund.....	2,070.90
W. D. & E. M. L. Scull Fund.....	9,148.24
Albin Garrett Memorial Fund.....	1,403.00
Arnold Chase Scattergood Memorial Fund.....	1,277.78
Francis B. Gummere Memorial Fund.....	6,580.77
Isaac Sharpless Memorial Fund.....	11,462.98
General Education Board Fund.....	6,607.36
William Penn Foundation.....	5,349.09
Walter Carrol Brinton Memorial Fund.....	740.30
Corporation Fund.....	4,193.12
Elizabeth J. Shortridge Fund.....	524.07
Howard Comfort Memorial Fund.....	270.27
Emma Ridgway Comly Fund.....	2,619.71
Ellen W. Longstreth Fund.....	6,184.74
Albert L. Bailly Fund.....	262.04
Elizabeth B. Wistar Warner Fund.....	259.42
F. Allen Hillies Bequest.....	14,714.11
Leonard L. Greif and Roger L. Greif Fund.....	161.19
Edward M. Wistar Fund.....	131.02
Triangle Society Endowment Fund.....	27.20
Morris E. Leeds Fund.....	2,144.53
Morris E. Leeds Fund #2.....	3,385.80
J. Henry Scattergood Fund.....	107.66
Parker S. Williams Fund.....	<u>5,656.23</u>

Forward.....

\$186,048.47

Forward.....		\$186,048.47
<i>Income from Funds for General Purposes (Continued)</i>		
Clarence W. Bankard Fund.....	\$ 237.24	
Gilbert C. Fry Fund.....	54.39	
Daniel B. Boyer Fund.....	135.98	
Mary K. Comly Fund.....	1,903.66	
Marriott C. Morris Fund.....	543.90	
Mary Brown Fund.....	<u>13.60</u>	188,937.24
<i>Income from Fund for T. Wistar Brown Graduate School</i>		
Moses Brown Fund.....		19,021.36
<i>Income from Funds for Morris Infirmary</i>		
Infirmary Endowment Fund.....	505.91	
John W. Pinkham Fund.....	<u>265.16</u>	771.07
<i>Income from Fund for Haverford Union</i>		
Haverford Union Fund.....		98.46
<i>Income from Funds for Scholarships</i>		
Thomas P. Cope Fund.....	275.55	
Edward Yarnall Fund.....	318.07	
Isaiah V. Williamson Fund.....	1,038.58	
Richard T. Jones Scholarship Fund.....	264.99	
Mary M. Johnson Scholarship Fund.....	367.57	
Sarah Marshall Scholarship Fund.....	415.05	
Clementine Cope Fellowship Fund.....	1,197.29	
Isaac Thorne Johnson Scholarship Fund.....	459.85	
Caspar Wistar Memorial Fund.....	154.66	
J. Kennedy Moorhouse Scholarship Fund.....	270.20	
Louis Jaquette Palmer Scholarship Fund.....	262.04	
Paul W. Newhall Memorial Scholarship Fund.....	264.43	
Robert Martin Zuckert Memorial Scholarship Fund...	1,132.06	
Samuel E. Hilles Scholarship Fund.....	262.94	
Class of 1913 Scholarship Fund.....	157.22	
Class of 1917 Scholarship Fund.....	319.51	
Daniel B. Smith Fund.....	271.95	
Sarah Tatum Hilles Memorial Scholarship Fund.....	4,108.35	
Elihu Grant Memorial Scholarship Fund.....	820.14	
Christian Febiger Memorial Scholarship Fund.....	640.22	
Joseph L. Markley Memorial Scholarship Fund.....	271.95	
Joseph C. & Anne N. Birdsall Scholarship Fund.....	997.16	
Daniel E. Davis Jr., Memorial Scholarship Fund.....	163.17	
Jonathan M. Steere Scholarship Fund.....	<u>181.27</u>	14,614.22
<i>Income from Funds for Library</i>		
Alumni Library Fund.....	913.73	
Mary Farnum Brown Library Fund.....	3,557.70	
William H. Jenks Library Fund.....	262.04	
Mary Wistar Brown Williams Fund.....	1,064.22	
Anna Yarnall Fund.....	9,074.62	
F. B. Gummere Library Fund.....	<u>33.30</u>	
Forward.....	\$ 14,905.61	\$223,442.35

<i>Forward</i>	\$ 14,905.61	\$223,442.35
<i>Income from Funds for Library (Continued)</i>		
Edmund Morris Fergusson Jr., Memorial Fund.....	52.53	
Class of 1888 Library Fund.....	344.89	
Class of 1918 Library Fund.....	65.69	
Quakeriana Fund.....	32.63	
Mohonk Fund for Rufus Jones Collection on Mysticism	33.99	
Rufus M. Jones Book Fund.....	<u>45.33</u>	15,480.67
<i>Income from Funds for Old Style Pensions</i>		
President Sharpless Fund.....	2,161.13	
William P. Henszey Fund.....	1,926.43	
John B. Garrett Reading Prize Fund.....	3,569.66	
Pliny Earle Chase Memorial Fund.....	171.49	
Haverford College Pension Plan.....	<u>5,871.77</u>	13,700.48
<i>Income from Funds for Special Purposes</i>		
Thomas Shipley Fund.....	275.03	
Elliston P. Morris Fund.....	59.05	
John B. Garrett Reading Prize Fund.....	119.08	
Special Endowment Fund.....	483.57	
Scholarship Improvement Prize Fund.....	120.37	
Elizabeth P. Smith Fund.....	91.40	
S. P. Lippincott History Prize Fund.....	133.47	
Francis Stokes Fund.....	168.34	
George Peirce Prize Fund.....	39.84	
Lynan Beecher Hall Prize Fund.....	112.94	
Newton Prize Fund.....	73.25	
Edward B. Conklin Athletic Fund.....	125.78	
Arboretum Fund.....	240.43	
William Ellis Scull Prize Fund.....	104.82	
Paul D. I. Maier Fund.....	52.41	
Strawbridge Observatory Maintenance Fund.....	201.22	
Jacob & Eugenie Bucky Memorial Foundation.....	228.74	
Mathematics Department Prize Fund.....	63.65	
William T. Elkinton Fund.....	135.51	
Tilney Memorial Fund.....	271.95	
Class of 1902 Latin Prize Fund.....	7.77	
Class of 1898 Gift.....	331.78	
Edmund J. Lee Memorial Award Fund.....	<u>52.48</u>	<u>3,692.88</u>
Income from the Funds for the College.....		256,316.38
<i>Income from Special Trust</i>		
Augustus Taber Murray Research Scholarship Fund.....		<u>1,119.92</u>
Total Income from all the Funds.....		257,436.30
<i>Income from Trusts held by Trustees</i> <i>(Income to be used for General Purposes)</i>		
Nathan Branson Hill Trust, First National Bank of Minneapolis, Minn., Trustee.....	105.00	
W. Percy Simpson Trust, Provident Trust Company of Philadelphia, Trustee.....	2,528.90	
Henry C. Brown Trust, Pennsylvania Company Trustee	<u>8,014.18</u>	<u>10,648.08</u>
<i>Forward</i>		\$268,084.38

Forward..... \$268,084.38

Income from College Sources

Tuition (Students at opening date 553
at closing date 525)

Cash.....	\$298,739.00	
From Scholarship Funds.....	23,270.50	
From Donations.....	<u>2,795.50</u>	\$324,805.00

Board.....		178,907.52
Rooms.....		70,490.55
Re-examination fees.....		380.00

Room and Board from Non-Students:

Rents.....		3,330.00
Rooms: Employees.....	\$2,150.37	
Summer Conferences	<u>696.99</u>	2,847.36

Meals:

Guest & Faculty Members	9,120.24		
Employees.....	9,010.01		
Summer Conferences.....	11,327.72		
Day Students.....	<u>3,072.95</u>	<u>32,530.92</u>	38,708.28

Miscellaneous Collections:

Book Store.....		1,248.89	
Coop.....		264.23	
Diplomas.....		45.00	
Infirmary.....		407.25	
Fines.....		386.00	
Transcripts.....		72.98	
Sale of Coal.....	124.87		
Wood.....	147.26		
Junk.....	31.00		
Furniture.....	<u>74.00</u>	377.13	
Renting of Land.....	614.13		
Victory Gardens.	64.75		
Trucks.....	<u>70.05</u>	748.93	
Admission to Athletic Games.....		1,604.49	
Overhead expenses in connection with work done for outsiders....		874.03	
Unit Fee.....		5,909.59	
Sundry Minor Collections.....		392.73	
Cash Discount Earned.....		<u>398.51</u>	<u>12,729.76</u>

Receipts at College..... 626,021.11

Interest Received..... 1,727.84

Donations Applicable to Budget (see Donations Account)

From Alumni Sustaining Fund.....	15,204.43	
For Cope Field.....	50.00	
For General Purposes.....	<u>168.60</u>	<u>15,423.03</u>

Forward..... \$911,256.36

Forward..... \$911,256.36

Donations Other than for Funds

Athletics

For Field House - through		
A. Haddleton.....	\$ 12.50	
New Football Stands - through		
Triangle Society.....	3,613.00	
New Football Stands from Games.....	<u>2,064.81</u>	\$ 5,690.31

For Books

For Drama from R. Sherwood.....	110.00	
General.....	50.00	
Greek.....	113.38	
Library Associates-Collections.....	696.25	
Minor Library Donations - Fees, etc.	73.10	
Matzke Royalties.....	<u>37.44</u>	1,080.17
Prizes in Music Award.....		25.00

For Scholarships: -

Japanese Scholar (Adimora).....	327.39	
Anonymous.....	300.00	
Japanese Scholar (Ayusawa).....	1,165.45	
From Edward B. Burling.....	750.00	
From Catherwood Foundation.....	1,000.00	
From Four Corporation Scholarships		
relinquished.....	1,350.00	
From Rose Frauhnkecht.....	300.00	
From Charles Perera.....	500.00	
From Maryland Society of Haverford.	600.00	
From Samuel Mason III.....	150.00	
European Scholarship for Paul Moses	2,600.00	
From New England Society of Haverford	<u>300.00</u>	9,342.84
From Alumni Association for Salaries.....		3,660.00
From Campus Club.....		42.00
From Faculty Publications.....		2,000.00
For Aid to Professors.....		500.00
For Observatory - Estate of Jonathan		
T. Rorer.....		500.00
For Interest on Radio Club Deposit.....		67.72
For Skating Lodge.....		150.00
For Russian Program.....		450.00
For Work Camp Projects - Refunds.....		400.00
For Class of 1934 Fund.....		353.00
For General Purposes.....	168.60	
For Cope Field.....	<u>50.00</u>	218.60
Anonymous for Tennis Courts.....		1,000.00
Ayusawa Scholarship Shortage made up		
from Corporation Account.....		<u>217.79</u>
		25,697.43

Alumni Campaign Fund

Transferred from Campaign in lieu of		
Annual Giving.....	25,000.00	
Transfer from College Budget toward		
Cost of Alumni Directory.....	<u>2,000.00</u>	<u>27,000.00</u>

Forward..... \$ 52,697.43 \$911,256.36

Forward..... \$ 52,697.43 \$911,256.36

Human Relations Gift

Anonymous Gift..... \$7,500.00
 Dividends on Stock Donated..... 216.00 7,716.00

Total Donations (Other than for Funds) 60,413.43

Donations for Additions to Funds

James R. Magee Fund..... 7.40
 Howard Comfort Memorial Fund..... 500.00
 Morris E. Leeds Fund #2 (New)..... 126,000.00
 Clarence W. Bankard Fund..... 113.74
 Marriott C. Morris Fund (New)..... 10,000.00
 Mary Brown Fund (New)..... 1,000.00
 Class of 1917 Scholarship Fund..... 250.00
 Christian Febiger Memorial
 Scholarship Fund..... 9,050.00
 Joseph C. and Anne N. Birdsall
 Scholarship Fund..... 5,000.00
 Jonathan M. Steere Scholarship
 Fund (New)..... 2,300.00
 Mohonk Fund for Rufus Jones
 Collection on Mysticism (New)..... 1,500.00
 Rufus Jones Book Fund (New)..... 5,000.00
 Edmund J. Lee Memorial Award Fund.... 100.00 160,821.14

*Additions to Funds - Income Transferred
 from Principal*

Moses Brown Fund..... 1,902.14
 Isaac Thorne Johnson Scholarship Fund 59.85
 Mary Farnum Brown Library Fund..... 35.78
 George Peirce Prize Fund..... 89.84
 Jacob & Eugenie Bucky Memorial
 Foundation..... 35.13
 Mathematics Department Prize Fund.... 31.65 2,154.39

Total Additions to Funds..... 162,975.53

Reserves for Non-Faculty

(Second Installment to build up this account)

Pensions for Non-Faculty..... 5,000.00
 Interest added..... 458.33 5,458.33
 Death Benefit for Non-Faculty..... 1,000.00 6,458.33

Miscellaneous Receipts

Refund of Expense previously charged against
 W. D. & E. M. L. Scull Fund - income..... 4.25
 Observatory - Fees Collected..... 160.00
 Library Replacements - Fees Collected..... 957.51
 Taxes Withheld on Salaries..... 40,854.26
 Taxes Withheld on Pensions..... 1,705.80
 In and Out - Receipts..... 164.86

Forward..... \$ 43,846.68 \$1,141,103.65

Forward..... \$ 43,846.68 \$1,141,103.65

Miscellaneous Receipts (Continued)

Work in Progress - Collections.....	9,099.59	
Student Store.....	24,470.46	
Loans Repaid.....	579.00	
Student Affairs for Common Room - Fees.....	444.55	
Book Store on Campus - Collections from Students..	21,242.05	
Working Aid to Students - Collections.....	4,980.59	
Accounts Receivable from Students - Collected....	646,378.12	
Accounts Receivable from Students-Special-Collected	26,820.68	
Accounts Receivable from Employees - Collected...	19,315.28	
Accounts Receivable from Government - Collected...	115,703.91	
Working Aid to Students - additional appropriation	537.57	
Special Endowment Fund - Registration Fees - Haverford Family Institute.....	<u>56.00</u>	913,474.48

Items Relating to other Fiscal Years

Advance Receipts for Following Year.....	7,305.15	
Room Rents Collected in Advance.....	6,487.75	
Expenses for Following Year applied.....	37,766.68	
Prepaid Insurance applied.....	6,974.54	
Accounts Payable applied.....	18,689.24	
Reserve for New Boilers - applied.....	3,564.48	
Reserve for New Furnishings - applied \$ 2,450.20		
Reserve for New Furnishings - applied <u>4,900.40</u>	7,350.60	
Reserve for Barclay Hall Fire & Alterations.....	<u>3,430.63</u>	91,569.07

New Construction

Investment in Campus Houses taken over by
Principal of Consolidated Account:

#2 College Lane.....	9,094.18	
521 Parmure Road - Science House.....	3,671.77	
500 Oakley Road - Forman House.....	31,057.27	
Coach House Dwelling.....	15,304.63	
773 College Avenue - Watson House.....	<u>22,763.22</u>	81,891.07

Investments Realized

Consolidated Investments Account

Bonds -

Government.....	\$ 1,014.06	
Public Utility..	30,438.77	
Railroad.....	<u>30,048.04</u>	\$ 61,500.87

Preferred Stock -

Public Utility..	76,452.50	
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Common Stock -

Industrial.....	66,460.41	
Public Utility..	1,822.19	
Miscellaneous...	<u>17,700.00</u>	<u>85,982.60</u>

Forward..... \$223,935.97 \$2,228,038.27

<i>Forward</i>	\$223,935.97		\$1,228,038.27
<i>Investments Realized (Continued)</i>			
Mortgages.....	30,752.89		
Real Estate.....	750.00		
Miscellaneous.....	<u>14,263.03</u>	\$269,701.89	
John Farnum Memorial Fund.....		222.00	
C. Wharton Stork Art Gift Fund			
Dividend Applied.....		<u>300.00</u>	270,223.89
<i>Money Borrowed Temporarily</i>			100,700.00
<i>Balances 9th Month 1, 1948</i>			
In Treasurer's Account.....		8,691.55	
In President's Account.....		<u>15,257.45</u>	<u>23,949.00</u>
			\$ 2,622,911.16

E X P E N D I T U R E S

1948-1949

Expenses of Running the College

Administration

Salaries.....	\$ 74,566.86	
Supplies & Postage.....	4,803.50	
Services.....	1,141.75	
Telegraph & Telephone.....	1,743.58	
Additional Equipment.....	6,642.59	
Insurance.....	212.20	
Traveling.....	1,982.65	
Public Relations.....	5,812.97	
Printing.....	7,074.14	
Entertainment.....	3,113.93	
Not Elsewhere Classified.....	<u>4,720.00</u>	\$111,814.17
Ratio of Admin. Expenses to Total Expenses (14.000)		

Educational Department

Salaries.....	296,435.51	
Supplies & Postage.....	14,663.85	
Services.....	2,831.69	
Telegraph & Telephone.....	1,538.38	
Equipment.....	1,274.58	
Insurance.....	1,756.11	
Traveling.....	3,131.71	
Public Relations.....	78.55	
Not Elsewhere Classified.....	<u>2,129.19</u>	323,839.57
Ratio of Educa. Expenses to Total Expenses (40.5496)		

Maintenance and Operation

Wages.....	72,242.96	
Supplies & Inventory.....	10,544.17	
Contracts.....	17,678.01	
Water, Heat, Light & Power.....	30,049.05	
Telegraph & Telephone.....	436.49	
Small Tools & Equipment.....	4,897.17	
Taxes.....	3,628.29	
Insurance.....	4,147.45	
Not Elsewhere Classified.....	<u>5,879.66</u>	149,503.25
Ratio of Maintenance & Operation Expenses to Total Expenses (18.3448)		

Kitchen

Salaries.....	44,496.04	
Supplies & Postage.....	140,472.65	
Services.....	2,571.30	
Water, Heat, Light & Power.....	6,771.75	
Telegraph & Telephone.....	264.84	
Replacements & Repairs.....	11,335.68	
Taxes.....	0	
Insurance.....	244.03	
Traveling.....	<u>0</u>	206,156.29
Ratio of Kitchen Expenses to Total Expenses (25.8137)		

Forward..... \$791,313.28

Forward.....	\$791,313.28	
Pensions for Non-Faculty.....		10,311.66
Ratio of Pensions to Total Expenses (1.2911)		
Expenses at the College.....		\$801,624.94

Treasurer's and Secretary's Expenses

Auditors.....	\$ 500.00		
Clerical Help & Rent.....	5,050.00		
Stationery & Printing.....	159.55		
Machine Servicing.....	10.95		
Financial Publications.....	125.75		
Notary Fees.....	1.25		
Secretary's Expenses			
Board of Managers.....	\$ 488.51		
Corporation.....	<u>50.00</u>	<u>538.51</u>	6,386.01
Old Style Pensions to Faculty.....			26,358.41
Annuity.....			1,600.00
Interest Paid.....			6,223.32
Stork Art Gift - Shortage of Income to meet interest charge.....			291.00
Third 1/10 of cost of New Boilers in Power Plant....			3,564.48
Third 1/5 of cost of Furniture bought from Gov't....			2,450.20
Third 1/10 of cost of Barclay Hall fire repairs and alterations.....			3,430.63
Fourth & Fifth 1/5 of cost of Furniture.....			4,900.40
Work Aid to Students.....			537.57
Shortage of Donations for Scholarship.....		<u>217.79</u>	31,959.81
Expenses of Running the College.....			857,584.75

*Expenditures from Income of Funds
for Scholarships and Fellowships*

Jacob P. Jones Endowment Fund.....	4,950.00		
Moses Brown Fund			
5 Graduate Fellowships	\$ 5,000.00		
Printing.....	12.25	5,012.25	
Thomas P. Cope Fund.....	200.00		
Edward Yarnall Fund.....	400.00		
Isaiah V. Williamson Fund.....	1,000.00		
Richard T. Jones Scholarship Fund....	300.00		
Mary M. Johnson Scholarship Fund....	400.00		
Sarah Marshall Scholarship Fund.....	400.00		
Isaac Thorne Johnson Scholarship Fund	400.00		
Caspar Wistar Memorial Scholarship Fund.....	150.00		
J. Kennedy Moorhouse Scholarship Fund	300.00		
Louis Jaquette Palmer Scholarship Fund	700.00		
Paul W. Newhall Memorial Scholarship Fund.....	250.00		
Robert Martin Zuckert Memorial Scholarship Fund.....	<u>900.00</u>		
Forward.....	\$ 15,362.25		\$857,584.75

Forward..... \$ 15,362.25

\$857,584.75

Expenditures from Income of Funds for Scholarships and Fellowships (Continued)

Samuel E. Hilles Scholarship Fund....	300.00
Class of 1913 Scholarship Fund.....	150.00
Class of 1917 Scholarship Fund.....	200.00
Daniel B. Smith Fund.....	300.00
Sarah Tatum Hilles Memorial Scholarship Fund.....	3,650.00
Elihu Grant Memorial Scholarship Fund	700.00
Christian Febiger Memorial Scholarship Fund.....	400.00
Joseph L. Markley Memorial Scholarship Fund.....	300.00
Joseph C. and Anne H. Birdsall Scholarship Fund.....	<u>500.00</u>

21,862.25

Expenditures from Income of Special Trust

Augustus Taber Murray Research Scholarship Fund		
Annuity.....	<u>980.00</u>	22,842.25

Expenditures from Income of Funds for Library

Mary Farnum Brown Library Fund		
Books - General.....	\$ 3,056.26	
Books - Christian Knowledge... ..	365.66	
Lectures.....	100.00	3,521.92
William H. Jenks Library Fund		
Books.....		213.22
Mary Wistar Brown Williams Library Fund - Books.....		1,757.62
Anna Yarnall Fund - Books.....		1,650.94
F. B. Gummere Library Fund - Books... ..		41.68
Edmund Morris Fergusson Jr. Memorial Fund - Books.....		58.67
Quakeriana Fund - Books.....	<u>4.00</u>	7,248.05

Expenditures from Income for Special Purposes

Thomas Shipley Fund Lectures, etc....	239.49		
Elliston P. Morris Fund - Books.....	40.42		
Special Endowment Fund.....	1,297.95		
Scholarship Improvement Prize Fund - Prizes.....	95.00		
S. P. Lippincott History Prize Fund - Books.....	224.04		
Francis Stokes Fund - Excavating at Pond.....	950.00		
George Peirce Prize Fund - Prize.....	50.00		
Lyman Beecher Hall Prize Fund - Prize	100.00		
Newton Prize Fund - Books.....	<u>48.62</u>		

Forward..... \$ 3,045.52 \$ 30,090.30 \$857,584.75

Forward..... \$ 3,045.52 \$ 30,090.30 \$857,584.75

Expenditures from Income for
Special Purposes (Continued)

Arboretum Fund - Grass Seed for Pond.....	60.00		
William Ellis Scull Prize Fund - Prize.....	50.00		
Paul D. I. Maier Fund - Prizes.....	20.00		
Strawbridge Observatory Maintenance Fund -			
Equipment..... \$ 276.34			
Supplies..... <u>21.20</u>	297.54		
Jacob & Eugenie Bucky Memorial Foundation Weekend Work Camps.....	193.61		
Mathematics Department Prize Fund - Prizes.....	32.00		
William T. Elkinton Fund - Trips of Students to Washington and Lake Success, etc.....	103.50		
Tilney Memorial Fund - Lecture & Expense.....	<u>90.71</u>	<u>3,892.88</u>	<u>33,983.18</u>
			891,567.93

Spent from Donations

Art and Music:			
For Music from Carnegie Foundation Donation.....	3,765.79		
For Art from Carnegie Foundation Donation.....	273.50		
For Music Project from Boles' Gift.....	<u>225.96</u>	4,265.25	
Athletics - New Football Stands through Triangle Society.....		3,558.00	
Books Bought:			
From Carnegie Foundation Donation..	74.64		
Chemistry Books - Class of 1932....	1.78		
Drama - Sherwood Gift.....	30.81		
German - Jansen Foundation.....	74.02		
Greek.....	60.93		
Library Associates - Books, etc..... \$ 749.08			
Expenses..... <u>415.67</u>	1,164.75		
Minor Library Donations - Books.....	65.21		
Matzke Royalties - Books.....	61.13		
Orientalia - Books.....	9.45		
Post War Planning - Books.....	30.11		
Quaker Books.....	235.00		
Rufus Jones Fund - for binding....	<u>13.50</u>	1,821.33	
Prizes:			
Poetry Prize Class of 1910.....	25.00		
Sugimoto Prize from Christopher Morley.....	<u>100.00</u>	125.00	
Scholarships:			
For Japanese Scholar Adimora.....	326.00		
For Anonymous.....	10.00		
For Guildbranden.....	10.00		
For Japanese Scholar Ayusawa.....	<u>1,383.24</u>		
Forward.....	\$ 1,729.24	\$ 9,769.58	\$891,567.93

Forward..... \$ 1,729.24 \$ 9,769.58 \$891,567.93

Spent from Donations (Continued)

Scholarships (Continued):

For Japanese Scholar Ayusawa.....	.75	
From Edward B. Burling.....	632.50	
From Catherwood Foundation.....	1,000.00	
Corporation Scholarships		
Relinquished and used for others.	900.00	
From Rose Frauhknecht.....	300.00	
From Charles Perera.....	500.00	
From Max Leucher.....	100.00	
From Maryland Society of Haverford.	100.00	
From European Scholarship for		
Paul Moses.....	1,669.06	
From New England Society of		
Haverford.....	300.00	
From Scholarship for Quaker Children	<u>1,395.50</u>	8,627.05

Sundries:

From Alumni Association for Salaries		3,660.00
For Campus Club.....		479.80
For Faculty Publications.....		93.29
For Finland Lecture transferred to		
Students Collections.....		26.00
For Illness of Professor.....		500.00
For Landscaping at Dr. Sutton's House.....		5.50
For Skating Lodge.....		12,195.58
For Skating Lodge from Professor		
Oakley's gift.....		150.00
For Physics Laboratory.....		25.00
For Russian Program.....		562.36
For Work Camp Projects from Carnegie		
Corporation Gift.....		2,672.64
For Class of 1934 Gift - U. S.		
Government Bonds bought.....		148.00
From Gifts of Morris E. Leeds -		
Chemistry Equipment.....	\$ 422.44	
Physics Equipment.....	9.50	
Ladies Room.....	134.75	
Day Students Center.....	272.60	
Seminar & Faculty Rooms.....	2,358.10	
French Records.....	20.00	
Sound Proofing Dining Room.....	2,057.00	
Transfer to Alumni Campaign.....	<u>9,000.00</u>	14,274.39
For Reconditioning Five Tennis Courts	950.00	
and Cost of Nets.....	<u>50.00</u>	1,000.00
Transfer to Corporation Account		
Gifts for Current Expenses:		
Cope Field.....	50.00	
Unassigned.....	<u>168.60</u>	218.60

Triangle Society Gift

Remaining balance used for Collection		
Speakers Account.....		<u>35.89</u>

Forward..... \$ 54,443.68 \$891,567.93

Forward.....	\$ 54,443.68	\$891,567.93
<i>Spent from Donations (Continued)</i>		
<i>Bucky Foundation</i>		
Part of cost of pamphlet on Work Camps (Total cost \$300.).....		202.39
<i>Alumni Campaign Fund</i>		
Support of Alumni Association.....	\$ 10,122.07	
Cost of 4000 copies of Alumni Directory.....	<u>2,375.87</u>	
	12,497.94	
For Operation of College 1948-1949 being balance in Alumni Sustaining Fund as of 9/1/1948 voted by Alumni Committee.....	<u>15,204.43</u>	27,702.37
<i>Human Relations Gift</i>		
Books.....	108.19	
For Travel Expenses.....	91.38	
For Summer Project.....	458.33	
For Department Visitors.....	75.00	
For Mimeographing.....	25.10	
For Salary of Professor.....	<u>5,500.00</u>	<u>6,258.00</u>
Total Spent from Donations.....		88,606.44
Death Benefits Paid from Reserve.....		1,500.00
<i>Miscellaneous Expenditures</i>		
Skating Pond Expenses.....	49.42	
Library Replacements Account - Books bought.....	1,663.71	
Taxes Withheld paid to Government on Salaries.....	40,424.96	
Taxes Withheld paid to Government on Pensions.....	1,672.10	
Work in Progress - Charges.....	8,819.46	
Students' Store.....	25,616.40	
Student Affairs for Common Room Expenses.....	108.15	
Book Store on Campus - Expenses.....	25,224.35	
Working Aid to Students - Work Extended.....	5,518.16	
Accounts Receivable from Students - Charges.....	646,849.37	
Accounts Receivable from Students - Special Charges.....	31,500.95	
Accounts Receivable from Employees - Charges.....	47,383.20	
Accounts Receivable from Government - Charges.....	<u>96,405.78</u>	931,236.01
<i>Items Relating to Other Fiscal Years</i>		
Advance Receipts for Following Year - applied.....	9,416.50	
Room Rents Paid in Advance - applied.....	4,727.51	
Expenses for Following Year.....	28,531.32	
Prepaid Insurance - Costs.....	2,822.38	
Accounts Payable.....	<u>7,825.85</u>	<u>53,323.56</u>
Forward.....		\$1,966,233.94

Forward.....\$1,966,233.94

New Construction and Furnishings (Spent this year)

Forman House - Completed (Total Cost - \$31,057.27)	\$	4,541.33	
Watson House - Completed (Total Cost - \$22,763.22)		9,366.84	
#2 College Lane - Completed (Total Cost - \$9,094.18)		8,221.86	
Coach House Dwelling - Completed (Total Cost - \$15,304.63)		6,310.30	
Science House Alterations - Completed (Total Cost \$3,671.77)		3,671.77	
#2 College Circle - Uncompleted		<u>8,884.22</u>	40,996.32

Investments Made or Donated

Consolidated Investments Account

Bonds - Public Utility..	\$	40,417.50	
Railroad.....		<u>70,397.23</u>	\$110,814.73
Preferred Stock -			
Industrial.....		41,802.04	
Public Utility..		<u>25,736.78</u>	67,538.82
Common Stock -			
Bank & Insurance		18,876.70	
Industrial.....		65,880.03	
Public Utility..		97,193.74	
Miscellaneous...		<u>36,780.00</u>	218,730.47
Mortgages.....		363.40	
Real Estate.....		15.80	
Miscellaneous.....		<u>82,813.66</u>	480,276.88
John Farnum Memorial Fund.....		<u>925.00</u>	481,201.88

Borrowed Money Paid Off

(Amount owing to Bank - \$80,700.)..... 88,000.00

Income Transferred to Principal

Moses Brown Fund.....	1,902.14	
Isaac Thorne Johnson Scholarship Fund.....	59.85	
Mary Farnum Brown Library.....	35.78	
George Peirce Prize Fund.....	89.84	
Jacob & Eugenie Bucky Memorial Foundation.....	35.13	
Mathematics Department Prize Fund.....	<u>31.65</u>	2,154.39

Balance 8th Month 31, 1949

Treasurer's Account.....	14,923.15	
President's Account.....	<u>29,401.48</u>	<u>44,324.63</u>
		<u>\$2,622,911.16</u>

Lawrence E. Brown & Company

ESTABLISHED 1862

Certified Public Accountants

PENNSYLVANIA

ADDISON R. BROWN
JOHN H. HAIRE
W. EDWIN DILL
ROBERT W. JOHNSTON

1917 FIDELITY-PHILADELPHIA TRUST BUILDING

PHILADELPHIA

October 14, 1949

Board of Managers,
The Corporation of Haverford College,
Haverford, Pennsylvania.

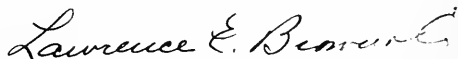
Dear Sirs:

We have examined the statement of receipts and expenditures and the operating statement for the fiscal year ended 8th Month 31, 1949 and the statement of debt of the corporation as of said date as set forth in the annual report of the Treasurer and Comptroller of The Corporation of Haverford College.

Our examination comprised the verification of the receipts and expenditures of the Treasurer and Comptroller for the year; the reconciliation of the cash balance at 8th Month 31, 1949 with the balance on deposit in bank; and the examination of the securities held by the Provident Trust Company as fiscal agent for the Corporation.

In our opinion, the annual report of the Treasurer and Comptroller correctly sets forth the results of the operations of The Corporation of Haverford College for the fiscal year ended 8th Month 31, 1949, in conformity with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

Very truly yours,



Lawrence E. Brown & Company
Certified Public Accountants

DONATIONS FOR ADDITIONS TO FUNDS

JAMES R. MAGEE FUND

Further distribution of principal of Anna J. Magee Trust..... \$ 7.40

HOWARD COMFORT MEMORIAL FUND

Through 1949 Campaign

From Dr. W. W. Comfort..... 500.00

MORRIS E. LEEDS FUND #2 (New)

From - Morris E. Leeds..... \$ 55,000.00

Through 1949 Campaign

From - Morris E. Leeds..... 71,000.00 126,000.00

CLARENCE W. BANKARD FUND

From - Girard Trust Company, Trustee

Final distribution of Estate of Clarence W. Bankard, Deceased 113.74

MARRIOTT C. MORRIS FUND (New)

From Provident Trust Company, Executors under will of

Marriott C. Morris, Deceased..... 10,000.00

MARY BROWN FUND (New)

From Provident Trust Company, Executors under will of

Mary Brown, Deceased..... 1,000.00

CLASS OF 1917 SCHOLARSHIP FUND

Through John W. Spaeth, Jr.

From - William Henry Chamberlin.....	\$ 5.00	
Dr. Donald Chandler.....	100.00	
Albert W. Hall.....	35.00	
M. Alexander Laverty.....	10.00	
W. Clark Little.....	25.00	
Arthur H. Napier.....	5.00	
Edmund T. Price.....	50.00	
John W. Spaeth, Jr.....	15.00	
F. Barclay Whitson.....	<u>5.00</u>	250.00

CHRISTIAN FEBIGER MEMORIAL SCHOLARSHIP FUND

From - Tradesmens National Bank & Trust Company, Executors

under will of Madeline Seabury Febiger, Deceased..... 9,050.00

JOSEPH C. AND ANNE N. BIRDSALL SCHOLARSHIP FUND

From - Dr. & Mrs. Joseph C. Birdsall..... 5,000.00

Forward..... \$151,921.14

Forward.....		\$151,921.14
JONATHAN M. STEERE SCHOLARSHIP FUND (New)		
From - Jonathan M. Steere.....	\$	2,300.00
MOHONK FUND FOR THE RUFUS JONES COLLECTION ON MYSTICISM (New)		
Through 1949 Campaign		
From - Mr. & Mrs. Albert K. Smiley.....	\$	1,000.00
A. Keith Smiley, Jr.....		250.00
Daniel Smiley, Jr.....		<u>250.00</u>
		1,500.00
RUFUS M. JONES BOOK FUND (New)		
From - Girard Trust Company of Trustees under Rufus M. Jones		
Deed of Trust.....		5,000.00
EDMUND J. LEE MEMORIAL AWARD FUND		
Through - Mr. John M. Moon		
From - Miss Mildred W. Lee.....		<u>100.00</u>
	\$	<u><u>160,821.14</u></u>

D O N A T I O N S

ATHLETICS

For FIELD HOUSE

Through A. W. Haddleton..... \$ 12.50

For NEW FOOTBALL STANDS

Through Triangle Society

From -

Class of 1909

Allen J. Hill..... \$ 50.00
A. DeGraw Warnock..... 25.00

Class of 1910

Earlham Bryant..... 10.00
Harold A. Furness..... 25.00
George A. Kerbaugh..... 1,289.00
John Phillips..... 25.00
Charles S. Ristine..... 100.00

Class of 1912

Leonard C. Ritts..... 100.00
Lloyd M. Smith..... 5.00

Class of 1914

Robert A. Locke..... 500.00

Class of 1917

Robert Gibson..... 200.00

Class of 1918

Bennett S. Cooper..... 25.00
Malcolm D. Kerbaugh..... 200.00

Class of 1923

Russell G. Allen..... 135.00
William C. Hunsicker..... 20.00
Wilmot R. Jones..... 10.00
Robert W. Leeds..... 35.00

Class of 1928

Allen C. Thomas, Jr..... 159.00

Class of 1937

Joseph R. Carson..... 700.00

3,613.00

From Games..... 2,064.81 5,677.81 \$ 5,690.31

For PRIZES IN MUSIC AWARD

Anonymous..... 25.00

Forward..... \$ 5,715.31

Forward..... \$ 5,715.31

FOR BOOKS

DRAMA	from R. Sherwood.....	\$	110.00	
GENERAL	from Gilbert White.....		50.00	
GREEK	from A. Post.....	\$	100.00	
	Howard Comfort.....		10.00	
	Orientalia Account.....		<u>3.38</u>	113.38

From LIBRARY ASSOCIATES:
as per list following..... 696.25

From Minor Library Donations..... 73.10

From Matzke Royalties (from Publisher)..... 37.44 1,080.17

FOR SCHOLARSHIPS

For Japanese Scholars

Nwanneka Adimora -

From Overseers of the Public School founded by Charter in Town and County of Philadelphia	77.39	
Friends' Freedman's Association	<u>250.00</u>	327.39

Jun Ayusawa -

From Ernest L. Brown.....	15.00	
Mrs. J. Collins.....	150.00	
William H. Chamberlin.....	10.00	
Donald Chandler.....	20.00	
Loring Dam.....	10.00	
William J. Gardiner.....	20.00	
Joseph W. Greene, Jr.....	5.00	
Dr. Albert W. Hall.....	50.00	
Herbert L. Jones.....	10.00	
Robert B. Hines, III.....	20.00	
M. Alex. Laverly.....	10.00	
Edwin F. Lawrence.....	50.00	
William M. Maier.....	15.00	
H. E. McKinstry.....	5.00	
Arthur H. Napier.....	5.00	
Edmund Price.....	25.00	
Dr. Newlin F. Paxson.....	10.00	
John W. Spaeth, Jr.....	5.00	
Arthur E. Spellissy.....	25.00	
*Mrs. J. Stokes.....	464.70	
Temple Israel.....	200.00	
T. Barclay Whitson.....	10.00	
Richard R. Wood.....	10.00	
Guildbranden Account.....	10.00	
Goodman Account.....	10.00	
Student Council Account.....	<u>.75</u>	1,165.45

Forward..... \$ 1,492.84 \$ 6,795.48

* Dr. & Mrs. Joseph Stokes, Jr.	\$ 99.70	
Anna Evans.....	100.00	
Margaret Scattergood.....	50.00	
Mrs. Marriott C. Morris.....	90.00	
Thomas C. Potts.....	25.00	
Howard W. Elkinton.....	<u>100.00</u>	\$464.70

<i>Forward</i>	\$ 1,492.84	\$ 6,795.48
FOR SCHOLARSHIPS (Continued)		
Anonymous.....	300.00	
From Edward B. Burling.....	750.00	
From Catherwood Foundation.....	1,000.00	
Corporation Scholarships Relinquished		
From - J. E. Carmen.....	\$ 300.00	
J. H. Davison.....	450.00	
Sidney M. Cone.....	300.00	
R. A. Norris.....	<u>300.00</u>	1,350.00
From Rose Frauhnknecht.....	300.00	
From Charles Perera.....	500.00	
From Maryland Society of Haverford.....	600.00	
From Samuel Mason, III.....	150.00	
For Paul Moses - European Scholarship		
From - Robert B. Lea.....	\$ 100.00	
Friends' Freedman's Ass'n...	2,000.00	
Blue Hill Foundation.....	<u>500.00</u>	2,600.00
From New England Society of Haverford.....	<u>300.00</u>	9,342.84
FOR SALARIES		
From Alumni Association.....		3,660.00
CAMPUS CLUB		
Through Professor Oakley		
From - Miss Mabel Beard.....	3.00	
Mr. Aldo Caselli.....	2.00	
Mrs. Sydney B. Dunn.....	15.00	
Mr. John Herndon.....	2.00	
Mr. John A. Kelly.....	5.00	
Mr. & Mrs. L. Arnold Post.....	2.00	
Dr. Legh W. Reid.....	5.00	
Mr. Albert K. Smiley.....	2.00	
Mr. A. G. Tatnall.....	2.00	
Dr. & Mrs. Howard Teaf.....	2.00	
Mr. James Thorpe.....	<u>2.00</u>	42.00
FOR FACULTY PUBLICATIONS		
From Mr. Wm. P. Philips.....		2,000.00
FOR AID TO PROFESSORS		
From P. H. Thomson.....	250.00	
Anne D. Thomson.....	<u>250.00</u>	500.00
FOR OBSERVATORY		
From Estate of Jonathan T. Rorer.....		<u>500.00</u>
<i>Forward</i>		\$ 22,840.32

Forward.....		\$ 22,840.32
FOR RADIO CLUB		
Interest Allowed.....		67.72
FOR SKATING LODGE		
Transferred from Donation for General Purposes.....		150.00
FOR RUSSIAN PROGRAM		
From Bryn Mawr College		
For Library.....	\$ 350.00	
For Minor Expenses.....	<u>100.00</u>	450.00
FOR WORK CAMP PROJECTS		
Refunds.....		400.00
FOR CLASS OF 1934 FUND		
See list following.....		353.00
FOR GENERAL PURPOSES		
From Dr. Legh W. Reid.....	\$ 150.00	
W. R. Jones.....	6.00	
First Church of Christ Scientist.....	<u>12.60</u>	168.60
FOR CARE OF COPE FIELD		
From Alfred G. Scattergood, Trustee.....		50.00
FOR TENNIS COURTS		
Anonymous.....		1,000.00
FROM CORPORATION ACCOUNT		
To make up shortage--Ayusawa Scholarship.....		<u>217.79</u>
		25,697.43
ALUMNI SUSTAINING FUND		
Transferred from Campaign in lieu of		
Annual Giving.....	\$ 25,000.00	
Transferred from College Budget toward Cost		
of Alumni Directory.....	<u>2,000.00</u>	27,000.00
HUMAN RELATIONS GIFT		
Anonymous Gift.....	7,500.00	
Dividends on stock donated.....	<u>216.00</u>	<u>7,716.00</u>
		<u>\$ 60,413.43</u>

CONTRIBUTORS TO THE "LIBRARY ASSOCIATES"

Anonymous.....	\$ 100.00	Brought Forward.....	\$341.00
Mr. & Mrs. Jacob B. Abbott.....	2.00	Mrs. Arthur Leverkus.....	2.50
Mr. & Mrs. Eugene C. Adler.....	5.00	Mr. & Mrs. M. Albert Linton.....	10.00
Mr. & Mrs. A. H. Allen.....	2.00	Miss Dorothy H. Litchfield.....	3.00
Mr. J. Forsythe Alexander.....	6.00	Mr. & Mrs. Richard W. Lloyd.....	5.00
Mr. & Mrs. Carl B. Allendoerfer.....	2.00	Mr. & Mrs. Dean P. Lockwood.....	2.00
Mr. & Mrs. Manuel Ascensio.....	2.00	Mrs. Howard Longstreth.....	2.50
Mr. & Mrs. William T. Ashby.....	5.00	Mr. & Mrs. W. L. Lovelace.....	4.00
Mr. & Mrs. Wilfred Bancroft.....	5.00	Mr. & Mrs. Archibald MacIntosh.....	2.00
Mr. Robert Barrie, Sr.....	5.00	Miss Belle Matheson.....	3.00
Mr. & Mrs. William A. Battey, Sr.....	2.00	Mr. James A. McQuail, Jr.....	5.00
Miss Florence G. Biddall.....	2.00	Mr. & Mrs. Richard W. Mecaskey.....	2.00
Mr. & Mrs. John T. Begien.....	5.00	Mr. & Mrs. James F. Mitchell, Jr.....	5.00
Mr. & Mrs. Paul Bleyden.....	2.00	Mr. Charles Henry Moon.....	2.00
Miss Lucy M. Bostevick.....	2.00	Mr. C. Christopher Morris.....	10.00
Mr. & Mrs. Harold W. Brecht.....	2.00	Mr. & Mrs. Elliott H. Morse.....	4.00
Dr. & Mrs. Arthur A. Briskin.....	2.00	Mr. Clarence N. Myers.....	2.00
Mr. & Mrs. Friedrich Bruns.....	2.00	Mr. Arthur H. Napier.....	3.00
Mrs. Helen C. Bush.....	5.00	Mr. & Mrs. Jesse T. Nicholson.....	25.00
Mrs. Richard L. Cary.....	2.00	Mrs. Carroll B. Nichols.....	7.00
Mr. & Mrs. Aldo Caselli.....	2.00	Mr. & Mrs. Raymond T. Ohl.....	5.00
Miss Edith Chambers.....	2.50	Mr. Nicholas Orehoff.....	5.00
Mrs. George H. Chambers.....	2.50	Mrs. J. M. Poole.....	2.00
Mr. & Mrs. George K. Chandler.....	2.00	Mr. & Mrs. L. Arnold Post.....	5.00
Dr. & Mrs. J. Howard Cloud.....	2.00	Miss Ida W. Pritchett.....	5.00
Mr. Howard H. Coburn.....	2.00	Mr. & Mrs. G. R. Rebmann, Jr.....	5.00
Mrs. William H. Collins.....	5.00	Mr. Wm. H. Reese.....	1.00
Mr. & Mrs. Bennett S. Cooper.....	2.00	Mr. & Mrs. Layton B. Register.....	5.00
Mr. Robert Cryan.....	2.00	Mr. Legh W. Reid.....	3.00
Mr. Claude A. Cubberley.....	2.00	Mr. & Mrs. Charles J. Rhoads.....	10.00
Mr. & Mrs. Charles W. David.....	2.00	Dr. & Mrs. Jonathan E. Rhoads.....	10.00
Dr. David M. Davis.....	4.00	Mr. & Mrs. John F. Rich.....	5.00
Dr. & Mrs. Lovett Dewees.....	2.00	Mrs. Louis B. Robinson.....	5.00
Miss Susan J. Dewees.....	2.00	Mr. & Mrs. George Rosengarten.....	5.00
Mr. & Mrs. Thomas E. Drake.....	4.00	Mrs. John Rusby.....	2.00
Mr. & Mrs. Henry S. Drinker.....	10.00	Mr. & Mrs. William P. Sadler.....	20.00
Mr. & Mrs. Leonard L. Eyster.....	2.00	Dr. Samuel W. Sappington.....	3.00
Mrs. McClure Fahnestock.....	2.00	Mr. & Mrs. Ralph M. Sargent.....	10.00
Mr. & Mrs. Clifford B. Farr.....	2.00	Mr. & Mrs. J. Henry Scattergood.....	5.00
Mr. & Mrs. John W. Flight.....	2.00	Mr. & Mrs. Seaton Schroeder.....	5.00
Miss Esther H. Flynt.....	7.00	Mr. & Mrs. Lucius R. Shero.....	5.00
Miss Kathryn V. Forrest.....	2.00	Mr. Lester M. Smith.....	5.00
Mr. Henry S. Frazer.....	5.00	Miss Mary C. Smith.....	5.00
Mrs. Sara K. Fuller.....	2.00	Dr. Edward D. Snyder.....	4.00
Miss Marion C. Gardiner.....	2.00	Mr. & Mrs. Freas D. Snyder.....	3.00
Mr. & Mrs. James H. Gemung.....	2.00	Dr. & Mrs. William C. Stadie.....	2.00
Mr. Howard L. Goodhart.....	10.00	Mr. & Mrs. Herbert W. Starr.....	2.00
Mr. & Mrs. Douglas Gould.....	4.00	Mr. & Mrs. I. Thomas Steere.....	2.00
Mr. & Mrs. Louis C. Green.....	2.00	Mr. & Mrs. Jonathan M. Steere.....	10.00
Mr. Morris M. Green.....	10.00	Mr. & Mrs. J. Tyson Stokes.....	10.00
Miss Gladys H. Griscom.....	2.00	Mr. & Mrs. S. Emlen Stokes.....	10.00
Mr. & Mrs. John F. Gummere.....	5.00	Mr. & Mrs. Hugh E. Stone.....	5.00
Mr. Richard M. Gummere.....	1.00	Mr. & Mrs. Kenneth E. Stuart.....	3.25
Mr. & Mrs. J. Morgan Harding.....	4.00	Mr. & Mrs. Richard M. Sutton.....	2.00
Miss Ethel Hastings.....	2.00	Mr. & Mrs. Philip S. Sweetser.....	2.00
Mrs. John V. Hastings, Jr.....	5.00	Mr. Emmett R. Tatnall.....	5.00
Mrs. Rayner W. Helsey.....	2.00	Mr. & Mrs. Herbert W. Taylor, Jr.....	5.00
Mr. & Mrs. Howard K. Henry.....	4.00	Mrs. Arthur H. Thomas.....	2.00
Mr. & Mrs. John G. Herndon.....	2.00	Miss Marjorie L. Thompson.....	5.00
Miss Sylvia B. Hetzel.....	3.00	Mrs. Lester D. Tyler.....	2.00
Miss Margaretta S. Hinchman.....	2.00	Mr. & Mrs. Edwin L. Voegel.....	4.00
Mr. & Mrs. Clarence G. Hoag.....	10.00	Mrs. J. Gardner Walton.....	5.00
Mr. & Mrs. Gilbert T. Hoag.....	3.00	Mr. & Mrs. W. Nelson West.....	5.00
Mr. & Mrs. Howard J. Hogenaur.....	5.00	Mr. & Mrs. W. Nelson West, III.....	4.00
Mr. & Mrs. Langley S. Homer.....	5.00	Mr. & Mrs. Gilhert F. White.....	3.00
Mr. & Mrs. Holland Hunter.....	2.00	Mr. H. Justice Williams.....	2.00
Mrs. Ralph D. Jackson.....	2.00	Mrs. Frank A. Wills.....	2.00
Mr. & Mrs. Ames Johnston.....	2.00	Mr. & Mrs. Albert H. Wilson.....	5.00
Mrs. Elizabeth B. Jones.....	2.00	Mr. & Mrs. D. Wright Wilson.....	2.00
Mr. John A. Kelly.....	5.00	Miss Rebecca B. Wistar.....	5.00
Mr. W. M. C. Kimber.....	2.00	Mr. & Mrs. Thomas Wistar.....	10.00
Dr. & Mrs. John M. Kimmich.....	4.00	Mr. & Mrs. Alexander C. Wood, Jr.....	2.00
Mr. & Mrs. John H. Lester, Jr.....	2.00	Mr. & Mrs. Laurence W. Wylie.....	2.00
Carried Forward.....	\$341.00	Total.....	\$ 696.25

GIFTS RECEIVED DURING THE YEAR BY
MEMBERS OF THE CLASS OF 1934
TOWARD THEIR FIFTEENTH ANNIVERSARY GIFT

Mr. Charles S. Barrett, Jr.....	\$ 5.00
Mr. Harbld L. Bodine.....	15.00
Mr. Fritz K. Downey.....	10.00
Mr. Louis W. Flaccus.....	15.00
Mr. Grant V. Frazer.....	20.00
Mr. Richard O. Gibbs.....	10.00
Edward M. Hammaker.....	3.00
Mr. Byron T. Hipple.....	25.00
Mr. Eugene F. Hogenaur.....	10.00
Mrs. Charles A. Horsky (in memory of Oliver Eggleston).....	10.00
Mr. Roy B. Houston.....	20.00
Mr. R. Bruce Jones.....	15.00
Mr. Frank Lee Kennedy.....	10.00
Mr. Thomas Knight, III.....	20.00
Mr. David G. Loomis.....	20.00
Mr. William F. Maxfield.....	20.00
Mr. Roger Scattergood.....	10.00
Mr. Clinton Scilipati.....	10.00
Dr. Frank T. Siebert, Jr.....	20.00
Mr. Bruce D. Smith.....	10.00
Mr. William Wharton Smith.....	10.00
Dr. H. Miles Snyder.....	10.00
Mr. Matthew Wynn Stanley.....	10.00
Mr. Francis W. Stork.....	20.00
Dr. Edwin P. Tripp.....	20.00
Mr. John C. Wilson.....	5.00
	<hr/>
Total*.....	\$353.00
	<hr/> <hr/>

**The above is in addition to the amount of \$851.41 received and reported in previous fiscal years.*

REPORT OF
"LOAN FUND"

Established 1926

Report No. 23

August 31, 1949

Current Year 1948-49

Cash Balance on hand, August 31, 1948.....	\$ 11,331.55
4 Loans repaid during year.....	884.50
18 Partial payments on loans during year.....	607.18
Interest received during year.....	180.20
Loan previously cancelled as uncollectable - recovered.....	100.00
	<u>13,103.43</u>
15 Loans made during year.....	3,000.10
Cash balance on hand, August 31, 1949.....	10,103.33
Loans outstanding, August 31, 1949.....	9,018.31
Interest outstanding, August 31, 1949.....	749.43
	<u>19,871.07</u>
Total Resources, August 31, 1949.....	\$ <u>19,871.07</u>

Total to August 31, 1949

Gifts & Donations.....	\$ 28,131.14
388 Loans Repaid.....	57,727.55
509 Payments on loan.....	21,673.42
Interest Paid Up.....	14,289.64
Other Sundry Collections.....	50.02
	<u>121,871.77</u>
Total Receipts.....	\$121,871.77
Repayments of Gifts & Donations.....	\$ 21,708.05
Loss on funds at Merion Title & Trust Co.....	582.01
Expenses.....	141.96
Loans granted.....	<u>89,336.42</u>
	<u>111,768.44</u>
Cash balance, August 31, 1949.....	10,103.33
Outstanding Interest to August 31, 1949.....	749.43
Outstanding Loans to August 31, 1949.....	<u>9,018.31</u>
	<u>19,871.07</u>
Total Resources, August 31, 1949.....	\$ <u>19,871.07</u>

ENDOWMENT FUNDS

FUNDS FOR GENERAL PURPOSES

GENERAL ENDOWMENT FUND

Founded in 1847 with subscriptions of \$50,000 by a number of Friends. Additions were made as follows: 1868, from an anonymous source, \$5,000; 1869, bequest of Ann Haines to increase the compensation of professors, \$2,670; 1870, bequest of Richard D. Wood, \$18,682.96; 1872, from William Evans, \$1,000; 1874, from executors of Jesse George, deceased, \$5,000; 1880, bequest of Dr. Joseph W. Taylor, \$5,000; 1901, legacy of Ann Williams, \$2,425.50; 1941, from children of Aubrey C. Dickson in his memory, \$300. Present book value, \$93,753.86. The income is used for salaries and scholarships.

JOHN FARNUM MEMORIAL FUND

Founded in 1878 by the heirs of John Farnum by gift of \$25,000 as a memorial to him. Added to in 1899 by legacy of \$10,000 from Elizabeth H. Farnum, widow of John Farnum. The income only is to be used to endow a "professorship of some practical science or literature." The chair of chemistry was designated as the "John Farnum Professor of Chemistry." The principal is held in the name of three Trustees for the benefit of The Corporation of Haverford College. Present book value, \$32,375.19.

JOHN M. WHITALL FUND

Founded in 1880 by bequest of \$10,000 from John M. Whitall, Sr. Present book value, \$10,252.18. The bequest is upon the condition that the art of drawing, especially mechanical drawing, shall be taught, and the income only is to be used, and for this purpose.

DAVID SCULL FUND

Founded in 1885 by bequest of \$40,000 from David Scull, Sr. Present book value, \$43,173.04. The income only is to be used to endow a professorship. The chair of biology was designated as the "David Scull Professor of Biology."

EDWARD L. SCULL FUND

Founded in 1865 by net bequest of \$9,500 from Edward L. Scull, '64. The legacy was added to the General Endowment Fund, but in 1888 it was set apart as a separate fund. Present book value, \$10,950.03. The income only is to be used. The bequest is free from any legally binding conditions, but it was the testator's desire "that some judicious means shall be employed by the Managers to further advise students on the subjects of diet and reading."

WISTAR MORRIS MEMORIAL FUND

Founded in 1892 by gift of \$5,000 in bonds by Mary Morris, widow of Wistar Morris, as a memorial to him. There are no restrictions. The income is used for general college purposes. Present book value, \$4,956.69.

ISRAEL FRANKLIN WHITALL FUND

Founded in 1896 by net legacy of \$9,667.83 from Israel Franklin Whitall. Present book value, \$10,388.86. The income only is used for the payment of professors or teachers.

JACOB P. JONES ENDOWMENT FUND

Founded in 1897 by residuary legacy of Jacob P. Jones. This amounted when received to par value of \$279,021.60; book value, \$332,301.60, and sundry real estate. The real estate has all been sold, netting \$847,709.92. Present book value, \$1,253,930.25. The income only is to be used for general college purposes, and out of said income there shall be admitted a portion at least of the students either free of charge or at reduced rates. In accordance with this provision, about \$7,500 per annum is used for scholarships, and the balance of income for general college purposes. Jacob P. Jones' will contains the following: "My hope is that under the blessing and favor of God there will come from this source a revenue which shall be productive of growth and vigor in the institution as well as help at this critical period of their lives to many deserving young men of slender patrimony."

JOHN FARNUM BROWN FUND FOR THE STUDY OF THE BIBLE, BIBLICAL HISTORY AND LITERATURE, PHILOSOPHY, AND KINDRED SUBJECTS

Founded in 1900 by the late T. Wistar Brown as a memorial to his son, John Farnum Brown, '93. The original gift was in cash and securities of a par value of \$43,000, shortly afterwards increased by further gifts of \$15,000. The founder made further gifts of cash and securities until 1915, the total being \$19,381 cash and \$48,500 par of securities with book value of \$41,490. His total gifts therefore had a book value of \$234,970.81. Of this, \$5,000 donated in 1910 is for endowment of prizes in Biblical History and in Philosophy. A portion of the income was capitalized each year to keep intact the full value of the fund until 1940 when this fund was included in the Consolidation of funds. Present book value, \$265,841.10. The income only is to be used for the purpose of making provision for the regular study of the Bible and Biblical History and Literature, and as way opens for religious teaching. In 1910, the scope and title of the Fund were enlarged to include "and Philosophy and Kindred Subjects." Income up to \$200 may be used for prizes in Biblical Literature and Philosophy.

ELLEN WALN FUND

Founded in 1900 by legacy of \$10,000 from Ellen Waln. Present book value, \$10,711.80. There are no restrictions. The income is used for general college purposes.

CLEMENTINE COPE ENDOWMENT FUND

Founded in 1904 by bequest of \$25,000 from Clementine Cope. There are no restrictions. The income is used for general college purposes. Present book value, \$20,710.06.

NATHAN BRANSON HILL TRUST

Founded in 1904 by deposit with First National Bank and Trust Company of Minneapolis, Minn., Trustee, of a paid up life insurance policy for \$5,000 by Samuel Hill, '78, being in memory of his father, Nathan Branson Hill. The income is to be used to aid in the maintenance of Haverford College so long as it shall remain under the auspices of the Society of Friends. In 1931 Samuel Hill died and the policy realized \$5,039. The Trust is to remain in the care of the above named bank, now known as First National Bank of Minneapolis, until twenty-one years after the death of Samuel Hill's son, James N. Hill, who is still alive. At that time, the Trust is to terminate and the principal is to be vested in Haverford College absolutely.

JOSEPH E. GILLINGHAM FUND

Founded in 1907 by bequest of \$50,000 from Joseph E. Gillingham. The testator said, "I request, but I do not direct, that part of the income of this legacy may be used for free scholarships for meritorious students." In accordance with this request, \$800 was until recently appropriated annually from the income for scholarships, the balance being used for general college purposes. Present book value, \$40,849.10.

HENRY NORRIS FUND

Founded in 1907 by bequest of \$5,000 from Henry Norris. Present book value, \$5,671.42. There are no restrictions. The income is used for general college purposes.

ELIZABETH H. FARNUM FUND

Founded in 1891. The original principal of this fund, amounting to \$10,000, was held by the Provident Trust Co. of Philadelphia under a deed of trust created by Elizabeth H. Farnum of Philadelphia. The income was first paid to a life tenant until 1914, when income first accrued to the College "for the payment of the salaries of teachers and professors by the said College employed." Under date of Ninth Month 18, 1944, upon petition of the Trustee, concurred in by the College, the Court of Common Pleas awarded the principal to the Corporation of Haverford College "to be administered by it for the purposes set forth in the deed of trust in accordance with the non-profit corporation law."

JAMES R. MAGEE FUND

Founded in 1915 by bequest of \$10,000 from James R. Magee, '59, and added to in 1925, 1926, 1928, 1929, 1930, 1931, 1932, 1936, 1937, 1940, and 1944 by additional payments of \$29,182.84, \$1,694.84, \$499.31, \$499.68, \$488.85, \$207.33, \$400, \$250, \$100, \$449.89, \$175.00, 197.99 (1947-48) and \$7.40 (1948-49), under his legacy. Present book value, \$43,390.09. There are no restrictions except that the income only is to be used. This is applied to general college purposes.

ALBERT K. SMILEY FUND

Founded in 1915 by gift of \$1,000 from Daniel Smiley, '78, as a memorial to his brother, Albert K. Smiley, '49, and added to in 1924 and 1926. Present book value, \$1,445.31. There are no restrictions except that preference was expressed that the income only should be used. This is applied to general college purposes.

THE HINCHMAN ASTRONOMICAL FUND

Founded in 1917 by bequest of \$10,000 par value securities from Charles S. Hinchman. Increased in 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, and 1936 by donations of \$28,926.95 from a friend of the College. Present book value, \$38,074.84. The income only to be used "to increase the salary of the astronomical professorship so as to provide a suitable instructor in the ennobling study of the heavens."

WALTER D. AND EDITH M. L. SCULL FUND

Founded in 1918 by bequest of Walter D. Scull, whose death followed shortly after the death of his sister, Edith M. L. Scull. Each left his or her estate to the other, unless predeceased; in this latter case both American estates were left to Haverford College. Both were children of Gideon D. Scull, '43, and resided in England. Income accumulated before the receipt of the fund by the College amounted to \$16,887.66, of which \$15,078.51 was added to the

principal of the fund. Present book value, \$168,196.24. The fund was created to establish a professorship of modern English constitutional history, and the chair has been designated as the Walter D. and Edith M. L. Scull Professorship of History.

ALBIN GARRETT MEMORIAL FUND

Founded in 1919 by legacy of \$25,000 from Mary Hickman Garrett, in memory of her late husband, Albin Garret, '64. Present book value, \$25,795.00. There are no restrictions. The income is used for general college purposes.

ARNOLD CHASE SCATTERGOOD MEMORIAL FUND

Founded in 1919 by gift of \$30,000 in securities from Maria Chase Scattergood in memory of her son, Arnold Chase Scattergood, of the Class of 1919, who died in his Junior year. The income only is to be used toward the payment of professors' salaries. Present book value, \$23,492.69.

FRANCIS B. GUMMERE MEMORIAL FUND

Founded in 1920. This fund was started by a gift of \$25,000 from the late Miss Emily H. Bourne, of New York, conditional upon the raising of \$100,000 additional for an endowment of the Chair of English Literature in memory of her friend, Professor Francis Barton Gummere. A committee of alumni, consisting of J. Stogdell Stokes, '89, chairman; E. R. Tatnall, '07, treasurer; Hans Froelicher, '12, secretary; Charles J. Rhoads, '93; Alfred M. Collins, '97; Winthrop Sargent, Jr., '08, and Parker S. Williams, '94, working with President Comfort, organized a comprehensive campaign among the alumni and friends of the College to raise \$375,000 for this purpose and for increase of professors' salaries; the first \$100,000 of unspecified gifts was used to complete the Francis B. Gummere Memorial Fund to at least \$125,000, and the balance comprised the Isaac Sharpless Memorial Fund. Total, book value, \$120,991.54.

ISAAC SHARPLESS MEMORIAL FUND

Founded in 1920. The alumni of the College conducted during 1920 a campaign for \$375,000 additional endowment for the College to make possible additional salaries to the professors. Appeal was made to found two new funds, the Francis B. Gummere Memorial Fund and the Isaac Sharpless Memorial Fund. The funds received, except where otherwise specified, were first applied to the completion of the former up to \$125,000 (see above). Specified gifts and donations thereafter received, were then applied to the Isaac Sharpless Memorial Fund. The income only is to be used for salaries of professors. Total book value, \$210,754.11.

GENERAL EDUCATION BOARD FUND

The General Education Board of New York appropriated \$125,000 in 1920 to the campaign for increase of endowment when the Francis B. Gummere Memorial Fund and the Isaac Sharpless Memorial Fund, totaling \$375,000, were raised. Interest at five per cent was paid on the full sum for three years, and the \$125,000 in full payment was completed in 1926-1927. Total book value, \$121,480.36.

HVERFORD IMPROVEMENT FUND AND CONSOLIDATED CAMPUS HOUSES ACCOUNT

Founded in 1922 to hold the Corporation's undivided share in College Lane land and eight houses. This property was turned over to the Corporation free of debt on Third Month 17, 1922, and with same the then debt of the Corporation amounting to \$155,942.15 was liquidated. The fund started with an

undivided interest of \$19,000. There was added in 1922, \$9,000; and in 1925, \$2,000. In 1926, \$5,000 of this fund was sold and the proceeds were appropriated for the alterations to Roberts Hall. The balance of this fund, \$25,000, was also used in 1927 for the same purpose. The income was used for general college purposes.

The College Lane land was purchased in 1886 for the benefit of the College by David Scull, Justus C. Strawbridge, Richard Wood and Francis Stokes, Managers of the College and now all deceased. With contributions raised by them and by mortgages on which they went on the bonds, funds were raised to build six dwelling houses, and two houses were built by the Corporation itself. From the income of the houses the debt against the properties was gradually reduced until it was entirely liquidated in 1919. The net income from 1919 until 1922, when the property was turned over to the Corporation, was applied toward the reduction of the Corporation's debt.

As of Ninth Month 1, 1944, all of these eight College Lane houses, together with seven houses which had been bought for the College and formed a part of the College debt, and nine other Campus houses which were owned free of debt, were consolidated at a combined valuation of \$281,331.70 into a new Campus Houses Account held by Consolidated Investment Account. There was a further investment of \$4,614.61 in #1 College Circle. A return of 4% interest is to be credited to income to the College and the balance of net income is to be applied in a building fund for the annual reduction of the investment, and/or to a depreciation reserve fund to cover extraordinary repairs. The book value has thus been reduced to \$271,294.67.

CENTENARY FUND

Centenary Fund (1) was founded in 1926 by gifts to the College in anticipation of the one hundredth anniversary of its founding in 1833. There were no restrictions and the income was used for general college purposes until 1935, when the principal was used in the liquidation of debt.

In 1935 a further campaign among the Alumni was conducted under the direction of William M. Wills, '04, to add to the funds raised in commemoration of the Centenary. This was designated as Centenary Fund (2) but in 1935-1936 the payment of pledges to (1) were merged with (2) at the request of donors, and the two accounts are now considered as one.

During 1936-1937, \$9,000 additional donations were made by members of the Strawbridge family, and of these \$3,372.63 were transferred for the final cost of the William J. Strawbridge '94 Memorial Astronomical Observatory, and \$5,627.37 were set aside to establish the Strawbridge Observatory Maintenance Fund. Other additional gifts of \$16,017.04 were made in 1936-1937, \$7,700 in 1937-1938, \$2,150 in 1938-1939, and \$15 in 1939-1940 bringing the totals contributed to both funds to date, for the Observatory \$47,000, and for other uses \$145,947.55.

From the \$16,017.04, together with \$1,550 realized from a previous gift of an investment, the balance of the debt for pension contributions \$12,022.57 was met, \$5,544.47 was applied to the debt for accrued deficits, \$7,700 was applied to the operating year 1937-1938, and \$2,150 to that of 1938-1939, \$15.00 to that of 1939-1940, and \$11.34 for 1940-1941, and \$50 for 1943-1944.

There remained one investment in this fund not yet realized upon with a book value of \$231.06. At end of 1943-44 this was absorbed into Consolidated Investment Account, and the debt reduced further by \$231.06.

WILLIAM PENN FOUNDATION

Started in 1926 toward a fund of \$120,000 to establish a chair or lectureship in Political Science and International Relations. This fund forms a part of the Centenary program to raise \$1,000,000. This foundation is to be devoted, at the discretion of the Managers, to providing adequate undergraduate instruction in the theory and practice of our own and other governments, in the history of past attempts to secure international agreements and in the methods by which good international understanding may be promoted and maintained. Book value to date, \$98,346.29.

WALTER CARROLL BRINTON MEMORIAL FUND

Founded in 1920 by gift of \$5,000 by the family of Walter Carroll Brinton, Class of 1915, who died in France Twelfth Month 8, 1918, while engaged in Friends' Reconstruction Work. The fund sustained the Walter Carroll Brinton Scholarship until 1926-1927. It was then increased \$6,000 by further gifts of the founders, and at their request the purpose was changed from a scholarship fund to form a separately named fund of the William Penn Foundation, with its income to be used for the same objects. Present book value, \$13,610.80.

CORPORATION FUND

Founded in 1928 by setting aside \$70,000 of proceeds from sale of 5.811 acres of land on the southern boundary and at the southeastern corner of the College farm. In 1937, the fund was increased \$8,810, being proceeds of the sale of 1.762 acres of land to the Philadelphia Skating Club and Humane Society for their new ice skating rink. Present book value, \$77,093.02. The fund is invested and the income used for general college purposes, until otherwise directed by the Managers.

ELIZABETH J. SHORTRIDGE FUND

Founded 12 Month 22, 1930, by bequest from Elizabeth J. Shortridge, without restrictions. Until otherwise directed by the Managers, the income only is used for general purposes. Present book value, \$9,635.43.

HOWARD COMFORT MEMORIAL FUND

Founded in 1934 by gift of \$1,000 from President William Wistar Comfort in memory of his father, Howard Comfort, Class of 1870, who was a Manager from 1880 until his death in 1912, and Secretary of the Board of Managers from 1884 until 1908.

The fund was added to by further gifts from the same donor of \$1,000 in 1935, \$1,000 in 1936, \$2,000 in 1937 and \$500 in 1949. The income only is to be used for general purposes. Present book value \$5,344.02.

EMMA RIDGWAY COMLY FUND

Founded 1935 by bequest of \$50,000 from Emma Ridgway Comly, a Philadelphia Friend. The bequest was unrestricted as to both principal and income. The income is used for general purposes. Present book value, \$48,165.07.

ELLEN W. LONGSTRETH FUND

Founded 1935 by bequest of \$20,000 and her residuary estate from Ellen W. Longstreth, a Friend belonging to Haverford Meeting, and living in Bryn Mawr. The principal and income are both unrestricted. The bequest of \$20,000 and residuary \$84,416.28 in 1935-36, together with further realization on residuary assets, viz. \$3,338.69 in 1936-37, \$73.33 in 1938, \$166.80 in 1942-43,

and \$258.00 in 1943-44 and in 1947-1948, \$10,785.65 additional was received upon the death of a life tenant of a trust, making a total of \$119,038.75. Present book value, \$113,756.89.

ALBERT L. BAILY FUND

Founded in 1936 by an unrestricted bequest of \$5,000 from Albert L. Baily, '78. The income is used for general purposes. Present book value, \$4,817.71.

ELIZABETH B. WISTAR WARNER FUND

Founded First Month 16, 1937, by unrestricted bequest of \$4,950 from Elizabeth B. Wistar Warner, of Germantown, widow of George M. Warner, '73. The income is used for general purposes. Present book value \$4,769.54.

T. ALLEN HILLES BEQUEST

Founded First Month 19, 1937, by receipt of the proceeds of a trust fund created in 1935 by T. Allen Hilles, class of 1870, formerly of Wilmington, Delaware, recently of Glen Mills, Pa., who died 11th Month 15, 1935. The amount received in stocks and cash was \$285,000. Proceeds of mortgages of \$7,460.94 in 1938, and final cash from executor in 1939 of \$1,603.37 brought the gross total to \$294,064.31. From this was deducted in 1939 the final settlement of taxes and fees totalling \$13,300, thus making the final net bequest \$280,764.31. Accumulated income of \$12,489.77 was also received on First Month 19, 1937. In the trust created by the donor in 1935 he provided: "The gift to Haverford College shall constitute a fund to be known as 'The Hilles Bequest,' and the income shall be used for repair, upkeep and improvement of the building which I have given to Haverford College known as the Hilles Laboratory of Applied Science of Haverford College. My purpose in making this gift is primarily to relieve the Corporation of Haverford College from any additional expense on account of the erection of the building which I have given them, and the accompanying expansion of its educational activities, but whenever and if the Board of Managers or other governing body of the College shall determine it to be for the best interest of the College to devote the whole or any part of the income of the fund to uses other than those above specified, such income may be applied to such uses and in such manner as the Board of Managers or other governing body may in its absolute discretion determine." Present book value, \$270,528.30.

LEONARD L. GREIF, JR., AND ROGER L. GREIF FUND

Founded Ninth Month 29, 1937, by gift of \$1,000 from Leonard L. Greif, '34, and Roger L. Greif, '37, of Baltimore. The gift was unrestricted, but the Managers have set aside this fund as endowment for general purposes, the income only to be used, until otherwise determined by them. Further gifts of \$1,000 from each of the above donors were made in 1947-1948.

EDWARD M. WISTAR FUND

Founded First Month 9, 1938, by gift of \$2,500 from Edward M. Wistar, '72, for endowment, the income only to be used for general purposes. Present book value, \$2,408.86.

TRIANGLE SOCIETY ENDOWMENT FUND

In 1934, the Triangle Society set up a plan of taking out insurance policies on the lives of some of its younger members. To date ten such policies have been issued, nine for \$500 each and one for \$1,000, with the College as beneficiary.

The actual fund was opened in 1945-46 with \$500, proceeds on the life of H. Conrad Atkinson, '40, who was lost in the Pacific in 1942 while serving in the Air Corps. Present book value, \$500.

MORRIS E. LEEDS FUND

Founded Sixth Month 26, 1941, by gift of 400 Participating Shares of Leeds and Northrup Stock Trust. Value \$40,000.00. The fund is unrestricted as to principal and interest, but was ordered by the Managers, until otherwise directed, to be included among the funds for General Purposes, the income only to be used. This fund is subject to an annuity of \$1,600, during the life of its donor. Present book value, \$39,428.52.

MORRIS E. LEEDS FUND No. 2

Founded Ninth Month 24, 1948, by gift from Morris E. Leeds of 550 Participating Shares of Leeds and Northrup Stock Trust, valued at \$55,000.

On Sixth Month 15, 1949, this Fund was increased by a further gift from Morris E. Leeds (made through the 1949 Campaign Account) of 620 Participating Shares of Leeds and Northrup Stock Trust, valued at \$62,000.

On Seventh Month 11, 1949, there was transferred to this Fund (through the 1949 Campaign Account) at the donor's request, a previous cash donation of \$9,000 which was being carried in Donations Account.

Total book value of Fund, \$126,000. This Fund is unrestricted as to Principal and interest, but was ordered by the Managers, until otherwise directed, to be included among the funds for General Purposes, the income only to be used.

J. HENRY SCATTERGOOD FUND

Founded Tenth Month, 1941, by donations totaling \$1,660, made by members of the Board of Managers in recognition of the services for 25 years of J. Henry Scattergood, '96, as Treasurer of the Corporation of Haverford College. A further gift of \$340 was made in 1943-44.

The income of this fund is to be used in the field of International Relations and to be at the disposal of the President of the College and the William Penn Professor holding the Chair in Political Science and International Relations. If the income in any year is not used for the special purposes as stated, in the discretion of the President, it may be used for general purposes. It is further provided that after Tenth Month 1, 1951 the use of the fund for other purposes, both as to principal and income, shall be subject to the direction of the Board of Managers of Haverford College.

PARKER S. WILLIAMS FUND

Founded Tenth Month 1, 1947, by unrestricted bequest of \$100,000 under the will of Parker S. Williams, Class of 1894, of Villanova, Pa., who died in 1942. The actual amount received from the executors was \$103,993.26, due to the increased value of certain investments, which were held, instead of being converted, under an agreement with the College. Income was paid to the College from time to time until the receipt of the bequest.

W. PERCY SIMPSON TRUST

Provident Trust Co. and William J. Clark Trustees

This perpetual Trust was established under the will of W. Percy Simpson, Class of 1890, who died Second Month 19, 1938. The will provides that one fourth of the net income from the residuary estate, after the death of his

widow (who died in 1940) and of his son (who died in 1946), shall go to two grandchildren, and of the remaining three quarters one tenth shall go to Haverford College. Thus Haverford's share of the income now is 3/40th. The income comes partly from securities but largely from Texas Oil Royalties and rentals. Of the present income as estimated by the Trustees, Haverford's share is about \$1,875 per annum.

The will further provides "without imposing any obligation upon Haverford College, I recommend to it the advisability of expending the moneys which shall from time to time come to it under this will or so much thereof as may be required, for the examination and analysis of applicants for admission to the College with respect to their mental, physical and general qualifications, and of students therein for the purpose of determining the field of activity best suited to the individual."

The will further provides that whenever a vacancy shall occur by the death or resignation or otherwise of the individual Trustee, the selecting of a new Trustee shall be done by the governing body of Haverford College, and that if The College fails to perform this duty, the payment of further income to it shall terminate.

CLARENCE W. BANKARD FUND

Founded Second Month 10, 1948, by unrestricted bequest from Clarence W. Bankard, Class of 1901, of Philadelphia, amounting to \$4,418.75. The Board until otherwise ordered, set up a new fund for general purposes unrestricted as to principal and income.

GILBERT C. FRY FUND

Founded Fourth Month 2, 1948, by an unrestricted gift of \$1,000 U. S. Treasury Bond from Gilbert C. Fry, of Germantown, Philadelphia, Class of 1923, in remembrance of his 25th anniversary of graduation. A new fund was set up and until otherwise ordered by the Managers, the income only will be used for general purposes.

DANIEL B. BOYER FUND

Founded Third Month 3, 1948, with an initial gift of \$2,500 in stock from Daniel B. Boyer, Boyertown, Pa., Class of 1911. The donor's letter states: "It is my desire that the income from the stock be allocated for faculty use. If present reduced College income is not sufficient to cover current faculty needs, the Board of Managers should not hesitate to sell the shares and apply the proceeds for that purpose." A new fund was set up, and until otherwise ordered by the Managers, the income only will be used for faculty salaries.

MARY K. COMLY FUND

Founded Sixth Month 29, 1948, by unrestricted bequest of Mary K. Comly, of Philadelphia, of \$35,000. A new fund was set up, and until otherwise ordered by the Managers, the income only is to be used for general purposes.

HENRY C. BROWN TRUST

Pennsylvania Co. for Banking and Trusts, Trustee

Founded Eighth Month 18, 1948, by bequest of estimated value of \$183,000 from Henry C. Brown, of Philadelphia, ex Class of 1866, to the Pennsylvania Co., in trust for benefit of Haverford College. The will provides that the income is to be used for current expenses. The will further provides that "the said College shall have power in its discretion to use a portion of the principal of the said trust estate not exceeding in any one year twenty per cent

of the original fund for permanent purposes such as buildings, books and equipment proper for conducting the work of instruction and education.”

The Managers have not as yet made any requisition to the Trustee for any share of the principal of the Trust.

MARRIOTT C. MORRIS FUND

Founded Ninth Month 1, 1948, by unrestricted bequest of \$10,000 from Marriott C. Morris, Class of 1885, of Germantown.

The fund is classified among unrestricted funds for General Purposes, and is included in Consolidated Investment Account. Book value, \$10,000.

MARY BROWN FUND

Founded Sixth Month 1, 1949, by unrestricted bequest of \$1,000 from Dr. Mary Brown, of Drexel Hill, Pennsylvania.

The fund is classified among unrestricted funds for General Purposes, and is included in Consolidated Investment Account. Book value, \$1,000.

**FUND FOR GRADUATE SCHOOL
MOSES BROWN FUND**

A trust founded by T. Wistar Brown, in 1906, as a memorial to his father, Moses Brown. Transferred to the College in 1916 after his death, having at that time a par value of \$372,821.91 and book value of \$318,823.56. Present book value, \$351,621.44. The fund was created to establish a graduate course in religious study in harmony with and supplementary to the teaching and study provided for by the John Farnum Brown Fund. The income only is to be used; at least ten per cent of the total income must be capitalized each year. The unused income, if any, is likewise capitalized at the close of each fiscal year. The graduate school supported by the Moses Brown Fund was designated "The Thomas Wistar Brown Graduate School." In 1927 the former separate school was discontinued and eight graduate scholarships were created.

In 1937-1938, arrangements were first made for cooperation in courses with Pendel Hill, a school for religious education under the care of Friends, located at Wallingford, Pa.

**FUNDS FOR INFIRMARY
INFIRMARY ENDOWMENT FUND**

Founded in 1911 from subscriptions totaling \$9,072.55, raised among alumni and friends of the College. The income is used toward the expenses of the Morris Infirmary. Present book value, \$9,301.50.

JOHN W. PINKHAM FUND

Founded in 1911 by legacy of \$5,000 from Dr. John W. Pinkham, '60, being transmitted by gift from his widow, Cornelia F. Pinkham. There are no binding conditions, but as she expressed an interest in the Morris Infirmary, then building, the Board of Managers directed that the income of this fund should be used in the support and maintenance of the Infirmary. Present book value, \$4,875.05.

**FUND FOR HAVERFORD UNION
HAVERFORD UNION FUND**

Founded in 1920 by gift from the former Haverford Union Members of \$1,000 par value of bond at book value of \$800 and \$678.59 cash, and all the personal property in the Union from the Haverford College Union. The College assumed the responsibility for the care of the building First Month 16, 1920. The income is used toward the maintenance of the Union building. Present book value, \$1,810.33.

FUNDS FOR SCHOLARSHIPS
THOMAS P. COPE FUND

Founded in 1842 by gift of sixty shares of Lehigh Coal and Navigation Co. stock, par value \$3,000, from Thomas P. Cope. Present book value, \$5,066.13. The income only is to be used "for the education of young men to qualify them to become teachers, but who are not of ability to pay their own schooling." This fund sustains the Thomas P. Cope Scholarships.

EDWARD YARNALL FUND

Founded in 1860 by bequest of \$5,000 from Edward Yarnall. Present book value, \$5,847.96. The income only is to be used for "the support of free scholarships." The fund sustains the Edward Yarnall Scholarships.

ISAIAH V. WILLIAMSON FUND

Founded in 1876 and increased in 1883 by gifts of sundry ground rents from Isaiah V. Williamson. Present book value, \$19,094.90. The income only is to be used for free scholarships. The fund sustains the Isaiah V. Williamson Scholarships.

RICHARD T. JONES SCHOLARSHIP FUND

Founded in 1885 by bequest of \$5,000 from Jacob P. Jones as a memorial to his late son, Richard T. Jones, '63. The income only is to be used to sustain the "Richard T. Jones Scholarship." Present book value, \$4,871.92.

MARY M. JOHNSON SCHOLARSHIP FUND

Founded in 1897 by bequest of \$5,000 from Mary M. Johnson. Accrued interest before payment to the College increased the fund by \$3,062.95. The bequest was to establish a "perpetual scholarship." The fund sustains the Mary M. Johnson Scholarships. Present book value, \$6,757.92.

SARAH MARSHALL SCHOLARSHIP FUND

Founded in 1897 by bequest of \$5,000 from Sarah Marshall. Accrued interest before payment to the College increased the fund by \$2,589.49. The bequest was to establish a "perpetual scholarship." The fund sustains the Sarah Marshall Scholarships. Present book value, \$7,631.02.

CLEMENTINE COPE FELLOWSHIP FUND

Founded in 1899 by gift of \$25,000 from Clementine Cope. The gift was to establish the "Clementine Cope Fellowship Fund, to assist worthy and promising graduates of Haverford College in continuing their course of study at Haverford or at some other institution of learning in this country or abroad." The selection of the Fellows is made by the Board of Managers upon nomination by the Faculty. Present book value, \$22,012.96.

ISAAC THORNE JOHNSON SCHOLARSHIP FUND

Founded in 1916 by gift of \$5,000 from Isaac Thorne Johnson, '81. Present book value, \$8,514.56. The gift was to establish "The Isaac Thorne Johnson Scholarship to aid and assist worthy young men of Wilmington Yearly Meeting or of the Central West to enjoy the privileges of Haverford College." Unused income is added to the principal of the fund.

CASPAR WISTAR MEMORIAL SCHOLARSHIP FUND

Founded in 1920 by gift of Edward M. and Margaret C. Wistar of \$5,000 par value in bonds in memory of their son, Casper Wistar, of the Class of 1902, who died in Guatemala in 1917 while engaged in mission service in that country. The income only is to be used for scholarships, primarily for sons of parents engaged in Christian service, including secretaries of Young Men's Christian Associations, or students desiring preparation for similar service in America or other countries. Present book value, \$2,843.61.

J. KENNEDY MOORHOUSE SCHOLARSHIP FUND

Founded in 1926 by gifts totaling \$3,000, with \$1,000 added in 1926, and \$1,000 in 1928 and \$1,000 in 1929 from the Class of 1900 in memory of their classmate, J. Kennedy Moorhouse. The scholarship provided by this fund is "to be awarded, whenever a vacancy shall occur, to the boy ready to enter the Freshman class, who in the judgment of the President of the College appears best fitted to uphold at Haverford the standard of character and conduct typified by J. Kennedy Moorhouse, 1900, as known to his classmates: A man, modest, loyal, courageous, reverent without sanctimony; a lover of hard play and honest work; a leader in clean and joyous living." Present book value, \$4,967.88.

LOUIS JAQUETTE PALMER SCHOLARSHIP FUND

Founded in 1928 by gift of \$5,000 from Triangle Society, as follows:

"The Triangle Society of Haverford College herewith presents to the Corporation of Haverford College, a fund of Five Thousand Dollars (\$5,000) to be hereafter known and designated as the 'Louis Jaquette Palmer Scholarship Fund';

"This fund represents contributions from the members of the Triangle Society of Haverford College who have been thus inspired to perpetuate the memory of their fellow member, Louis Jaquette Palmer, of the Class of 1894, one of the founders of the Triangle Society, whom they admired for his cooperative spirit and constructive interest in student and community welfare. The fund is placed with the Corporation of Haverford College with the understanding:

"That such student shall be selected from a list of those eligible for entrance to Haverford College, who shall have combined in his qualifications the fulfillment of such conditions as apply to applicants for the Rhodes Scholarships under the terms of its creation, and furthermore that the student so selected and entered in Haverford College may continue to receive said scholarship fund throughout his course at College, subject to the approval of the Committee, otherwise preference shall be given to applications for the Freshman Class;

"That the selection of said student and the determination of the qualities and conditions hereinbefore mentioned shall be subject to the decision and control of a committee of three (3), which committee shall be composed of two (2) members of the Triangle Society and the President of Haverford College, the said members of the Triangle Society to select and recommend the applicants and the committee as a whole to determine their qualifications and eligibility.

"Finally, in the event that no student is selected by the Triangle Society or that a vacancy occurs, the income from said funds and any additions shall accumulate as provided under the customary rules and regulations of the Corporation of Haverford College." Present book value, \$4,817.71.

PAUL W. NEWHALL MEMORIAL SCHOLARSHIP FUND

Established in 1931 by bequest of \$5,045.60 from Mary Newhall in memory of her father, Paul W. Newhall, a Manager, 1844-48, for the establishment of a scholarship fund. The income only to be used for free scholarship purposes. Present book value, \$4,861.65.

ROBERT MARTIN ZUCKERT MEMORIAL SCHOLARSHIP FUND

Founded in 1935 by gift of \$750. \$2,000 each year, 1936 to 1940, and in 1942; \$2,500 in 1941; \$1,000 in 1943; \$1,000 in 1944; \$2,000 in 1945; and \$2,000 in 1947-1948, by Harry M. Zuckert, New York, in memory of his son, Robert Martin Zuckert, of the Class of 1936, who was killed in an accident in June, 1935. The income is to be used for scholarship and the donor said, "I should prefer a boy who is a native of New York or Connecticut and who now resides in one of those States." Present book value, \$20,813.65.

SAMUEL E. HILLES ENDOWMENT CREATED BY MINA COLBURN HILLES

Founded in 1935 by gift of \$5,000 from Mrs. Mina Colburn Hilles, of Orlando, Fla., in memory of her husband, Samuel E. Hilles, Class of 1874, formerly of Cincinnati, who died in 1931. This fund was created under a trust deed with Central Title and Trust Co., Orlando, Fla., to whom annual reports are to be made. The income only is to be used for scholarships for worthy students who are unable to finance their expenses at Haverford College. Present book value, \$4,834.39.

CLASS OF 1913 SCHOLARSHIP FUND

Founded Fourth Month 15, 1937, by gift of \$3,000 from Class of 1913 for the endowment of scholarship aid. The income only is to be used for scholarship aid, to be awarded annually to a worthy student of any undergraduate class. Preference is to be given to sons of members of the Class of 1913 who may apply and who meet the usual requirements of the College. Present book value, \$2,890.62.

THE AUGUSTUS TABER MURRAY RESEARCH SCHOLARSHIP FUND

Founded Fifth Month 31, 1939, by gift from two anonymous friends of Dr. Augustus Taber Murray, '85, by gifts of \$20,000 par value of securities subject to annuity during their lives, and with permission to use principal for the annuity payments, if necessary.

Upon the deaths of the two annuitants, the remaining principal shall be held in a fund, the "Income to be used for scholarships in recognition of the scholarly attainments of Augustus Taber Murray, a distinguished Alumnus of Haverford College, of the Class of 1885, and for many years a professor of Leland Stanford University, the fund to be known as 'The Augustus Taber Murray Research Scholarship.' Then scholarships in English literature or philology, the classics, German literature or philology (in order of preference) shall be awarded upon such terms and conditions as the College may from time to time establish to students who have received the bachelor's degree at Haverford College, and shall be awarded for the purpose of study in other institutions toward the degree of Doctor of Philosophy or such degree as may in the future correspond to that degree."

The amount of the Scholarship is to be \$900 a year whenever awarded, and only unmarried students are eligible to hold it. Present book value, \$22,460.12.

THE CLASS OF 1917 SCHOLARSHIP FUND

Founded Seventh Month 13, 1942, by initial gift of \$2,000.00 from the Class of 1917, John W. Spaeth, Jr., Treasurer, as a Twenty-fifth Anniversary Gift. A further gift of \$250.00 was made at the same time to cover the first two years of a scholarship of \$125.00 per year. Preference is to be given to a son of a member of the Class of 1917. The income only is to be used for a scholarship to the extent of \$150.00 per annum. This was increased to \$200.00 per annum in 1947-1948. Further contributions from the members of the Class of 1917 are to be applied in the following order:

(1)—To supplement the annual income from the principal sum of \$2,000.00, so that the annual scholarship stipend shall be \$150.00 (increased to \$200 in 1947-48), or as near that sum as may be;

(2)—To add to the principal sum any surplus of these annual contributions not needed to serve the purpose of (1). Since the scholarship stipend for the years 1942-1943 and 1943-1944 was already provided for by the additional \$250.00 already contributed by the Class of 1917, the annual contributions from the Class in these two years was added at once to the principal sum of \$2,000.00, thus serving the purpose of (2) above. Further contributions of \$500 were made in 1944-1945; \$425 in 1945-1946; \$810 in 1946-1947; and \$985 in 1947-1948; \$250 in 1948-1949. Present book value, \$5,984.85.

DANIEL B. SMITH FUND

Founded Tenth Month 6, 1943, by gift of \$2,500 from Anna Wharton Wood, of Waltham, Mass., who died in 1944. This was increased Fifth Month 24, 1945 by a bequest of \$2,500 made by Miss Esther Morton Smith, of Germantown, Philadelphia, who died Third Month 18, 1942.

This fund is established by the granddaughters of Daniel B. Smith "in loving memory of their grandfather and his intimate association with the early years of the College."

The income is to be used, in the discretion of the Faculty as an annual scholarship for some young man needing financial aid in his College course. Preference is to be given to a descendant of their father, Benjamin R. Smith, if any such should apply. Present book value, \$5,000.00

SARAH TATUM HILLES MEMORIAL SCHOLARSHIP FUND

Founded Eleventh Month 1, 1943 by bequest of \$75,534.58 from Joseph T. Hilles 1888, in memory of his mother "Sarah Tatum Hilles."

The will directs that the income be used "to provide for such number of annual scholarships of \$250 each as such income shall be sufficient to create"; they are to be awarded by the Managers upon "needy and deserving students," and to be known as "Sarah Tatum Hilles Memorial Scholarships."

It is estimated that twelve scholars can be thus provided for at present. Present book value \$75,534.58.

ELIHU GRANT MEMORIAL SCHOLARSHIP FUND

Established Second Month 2, 1944 by gift of \$200 from Mrs. Elihu Grant* to supplement the simultaneous transfer of \$803.73 to this new fund from Donations Account, being the balance of Donations made by Dr. Grant during his lifetime to the Beth Shemesh account, and \$75.00 realized from the sale of some of his books. Mrs. Grant has made a further gift of \$1,000 in 1943-44 and \$2,000 in 1944-45. And, Grant Foundation, Inc., gave \$10,000, also in 1944-45. Mrs. Grant made a further gift of \$1,000 in 1945-46.

With the donor's approval, the terms of the fund are as follows:

"Founded in 1944 to commemorate the service to Haverford College of Dr. Elihu Grant, from 1917 to 1938, a member of the College faculty. The income from this fund is applied to scholarship assistance to students in the Humanities, primarily those specializing in the study of Biblical Literature and Oriental subjects, and is limited to those whose major subject has been approved by the College faculty. In special circumstances the income may be utilized to assist those working for a post-graduate degree at Haverford College."

If conditions change, the Managers are given power to change the use of the fund. Present book value, \$15,078.73.

CHRISTIAN FEBIGER MEMORIAL SCHOLARSHIP FUND

Founded Sixth Month 13, 1946 by a gift of \$8,000 from Madeleine Seabury Febiger, of Philadelphia, in memory of her husband, Christian Febiger, Class of 1900.

On Third Month 18, 1949 a bequest of \$9,050 was received from the executors of Mrs. Madeleine Seabury Febiger, who died September 27, 1947, and was added to this fund.

The income only is to be used in paying the tuition or other college expenses of worthy, needy students at Haverford College. Present book value, \$17,050.

JOSEPH L. MARKLEY MEMORIAL SCHOLARSHIP FUND

Founded 2nd Month 10, 1947 by gift of \$5,000.00 from Mrs. Mary E. B. Markley of Ann Arbor, Michigan, widow of Joseph L. Markley, A.B. '85, M.A. '86, who was Professor of Mathematics at University of Michigan. The gift was made "to be held as an endowment fund in memory of Joseph L. Markley of the Class of 1885. The income of which is to be granted each year, in the discretion of the faculty, as a scholarship to some student on the basis of character, scholarship and financial need."

JOSEPH C. AND ANNE N. BIRDSALL SCHOLARSHIP FUND

Founded 2nd Month 24, 1947 by initial gift of \$10,000 from Dr. Joseph C. Birdsall of Haverford, "for the establishment of a new fund to be known as "Joseph C. and Anne N. Birdsall Scholarship Fund, the income only to be granted each year, in the discretion of the faculty of Haverford College, as scholarship aid to some student or students of Haverford College who are preparing for medicine,—the selection to be upon the basis of character, scholarship and financial need." Further gifts 1947-48, \$5,000; 1948-49, \$5,000. Present book value, \$20,000.

DANIEL E. DAVIS, JR., MEMORIAL SCHOLARSHIP FUND

Founded by gifts made First Month 20 and Second Month 17, 1948, totalling \$3,000, by Mr. and Mrs. Daniel E. Davis, of Sewickley, Pa., to establish the Daniel E. Davis, Jr., Memorial Scholarship Fund, in memory of their son, ex Class of 1944, who was killed in aerial warfare in the Pacific.

The income from the fund is to be granted each year, in the discretion of the Faculty, as a scholarship to some student on the basis of character, scholarship and financial need.

JONATHAN M. STEERE SCHOLARSHIP FUND

Founded Twelfth Month 28, 1948 by gift of \$2,300 from Jonathan M. Steere, Class of 1890. Classified among the Scholarship Funds and included in Consolidated Investment Account. Present book value, \$2,300.

The donor's provisions governing the use of the fund are as follows: "With this stock, or its proceeds, I wish to establish a fund for a scholarship primarily for a graduate of Moses Brown School, Providence, R. I., now under the care of New England Yearly Meeting of Friends. Should the scholarship not be awarded in any one year to a graduate of Moses Brown School, it may be awarded to someone else, preferably from New England, in the discretion of the College. If advisable, it may be given to more than one boy in any year. My preference is that it be awarded to a member of the Society of Friends, but I do not so restrict it. Should the time come when, for any reason, scholarships may not be needed or desirable, having full confidence in the Management of the College, I wish that both the principal and the income be used as the College in its sole discretion shall determine.

"I suggest that at the College it be known as the 'Moses Brown School Scholarship', and at the School as the 'Haverford Scholarship'."

FUNDS FOR THE LIBRARY

ALUMNI LIBRARY FUND

Founded in 1863 by contributions from the alumni and other friends of the College. In 1909 the unexpended balance (about \$5,000) of a fund of \$10,000 raised in 1892, and known as the "New Library Fund," was merged into the Alumni Library Fund. Present book value, \$16,799.42. The income is used for binding and miscellaneous expenses of the Library.

MARY FARNUM BROWN LIBRARY FUND

Founded in 1892 by gift of \$20,000 from T. Wistar Brown, executor of the Estate of Mary Farnum Brown. Additions were made by T. Wistar Brown in 1894, \$10,000 for a lecture fund, and in 1913, \$20,000. In 1916, after T. Wistar Brown's death, there was added to this fund \$34,499.78 par value of securities, book value, \$30,149.78, being a trust which he had created for this purpose in 1908 and to which he had made additions in subsequent years. Present book value, \$65,446.29. The purpose of this fund (except \$10,000) is for the increase and extension of the Library. The income only is to be used for the purchase of books, and one-fifth of same is to be spent for books promoting the increase of Christian knowledge. The books purchased with the income of this fund are marked by a special book-plate. The income of \$10,000 of the fund is to provide for an annual course of lectures upon Biblical subjects designated "The Haverford Library Lectures." Unused income from the fund, if any, must be capitalized at the end of each fiscal year.

WILLIAM H. JENKS LIBRARY FUND

Founded in 1910 by gift of \$5,000 from Hannah M. Jenks, widow of William H. Jenks. The fund was first known as "Special Library Fund," but after the death of Hannah M. Jenks was changed, in 1916, to "William H. Jenks Library Fund." The purpose of this fund is that the income shall be used for the care of the collection of Friends' books made by William H. Jenks and given by his widow to Haverford College, and to make appropriate additions thereto. Any income not used for these purposes may be used toward the general needs of the Library. Present book value, \$4,817.71.

MARY WISTAR BROWN WILLIAMS LIBRARY FUND

Founded in 1914 by gift of \$20,000 from Parker S. Williams, '94, as a memorial to his late wife, Mary Wistar Brown Williams. The income only is to be used for the purchase of books for the Library, preferably books coming within the classes of history, poetry, art, and English and French literature. The books purchased with the income of this fund are marked by a special book-plate.

ANNA YARNALL FUND

Founded in 1916 by residuary bequest of \$13,000 par value of securities with book value of \$7,110, and one-half interest in suburban real estate from Anna Yarnall. Additional amount under bequest was received in 1918. Present book value, \$166,842.34. The real estate was sold in 1923 and netted the College \$164,820.50. The bequest was made for the general use of the Library. The Testatrix says, "I do not wish to restrict the managers as to the particular application of this fund, but desire them to use the income arising from it as in their best judgment and discretion shall seem best, for the purchase of books and manuscripts, book cases, rebinding of books, and, if need be, the principal or portions thereof, or the income or portions thereof, for additions to the pres-

ent Library building, or the erection of new Library buildings. I direct that all books purchased with this fund shall be plainly marked 'Charles Yarnall Memorial' in memory of my father, Charles Yarnall."

F. B. GUMMERE LIBRARY FUND

Founded in 1920 by gift of \$635.41, raised among the students by the Students, Association of the College as a memorial to Professor Francis Barton Gummere. The income only is to be used to buy for the Haverford College Library books on the subjects that he taught or was interested in.

The student's Association voted to raise twenty-five dollars for a special shelf in the Library to be known as the "F. B. Gummere Memorial Shelf." This shelf, with its proper inscription, holds the books purchased by this fund. Present book value, \$612.30.

EDMUND MORRIS FERGUSSON, JR., CLASS OF 1920 MEMORIAL FUND

Founded in 1920 by memorial gift of \$1,000 from the family of Edmund Morris Fergusson, Jr., Class of 1920, who died at the College in his Senior year. The income only is to be used for the maintenance and increase of the Library's Department of English and American Literature. The books purchased with the income of this fund are marked by a special book-plate indicating its source. Present book value, \$965.80.

CLASS OF 1888 LIBRARY FUND

Founded Sixth Month 15, 1938, by gifts totaling \$5,250 from members and families of the Class of 1888, on the occasion of their fiftieth anniversary. The conditions of the gift are as follows:

- (1) A fund is to be established, to be known as "THE CLASS OF 1888 LIBRARY FUND."
- (2) The income only of this fund is to be used exclusively for the purchase of books for the Haverford College Library, except as noted below (in Clause 6).
- (3) The fund established now will be added to later by gift or bequest.
- (4) Members of the Class also expect to donate books to the Library, with the understanding that when such books are duplicates of books already in the Library, they may be exchanged for books needed, or sold, and the money so obtained used in the same way as the income of the fund.
- (5) All books purchased by the income of the fund (or obtained as in 4) are to be provided with a special book-plate to be furnished by the Class.
- (6) Income from the Class Fund or moneys obtained by sale of duplicate books may, when necessary, be used for binding or repair of books designated as belonging to the Class collection. Additional donations were made as follows: \$500 in 1939-40; \$100 in 1943-44; \$500 in 1944-45 and \$200 in 1945-46. Present book value, \$6,341.02.

CLASS OF 1918 LIBRARY FUND

Founded Third Month 24, 1938 by gift from the Class of 1918 in commemoration of their twentieth anniversary. The gift was \$1,753.52 of which \$500 was spent for a portrait of the late Rayner W. Kelsey, Professor of History, who died Tenth Month 29, 1934; and the balance of \$1,253.52 was used in establishing a new Library Fund, the income to be used for books. Present book value, \$1,207.83.

QUAKERIANA FUND

Founded 1st Month 8, 1947, by gift of \$600 from President Emeritus William Wistar Comfort '94, as explained in letter from him as follows: "In 1940 some Alumni gave me a sum of money to buy books for myself. This I have done, and now there remains \$600 which I wish to make over to the Corporation, the interest of which may provide books or manuscripts for the Quaker collections. As a compliment to the donors of the fund, I should like the enclosed bookplate to be inserted in such future purchases."

MOHONK FUND FOR THE RUFUS JONES COLLECTION OF MYSTICISM

Founded Third Month 21, 1949 by gifts totaling \$1,500 from members of the Albert K. Smiley family of Mohonk Lake, N. Y.

The gift was made "to make possible additions to the Rufus Jones Collection on Mysticism in the College Library," with the further provision that "it may be used at the discretion of Haverford College, if the purpose for which it is intended should no longer be applicable or desirable."

The fund is classified among Library Funds, and is included in Consolidated Investment Account. Book value, \$1,500.

RUFUS M. JONES BOOK FUND

Founded Seventh Month 11, 1949 from bequest of \$5,000 through a deed of Trust established by Rufus M. Jones during his life, "the income only to be used—for the purchase of books on Mysticism, to be added to the Collection of books on that subject," which he turned over to the College a few years before his death.

The fund is designated as the Rufus M. Jones Book Fund, is classified among Library Funds, and is included in Consolidated Investment Account. Book value, \$5,000.

FUNDS FOR PENSIONS

PRESIDENT SHARPLESS FUND

Founded in 1907 by contributions from interested friends of the College, finally amounting to \$40,000. Present book value, \$39,733.67. The income is to be used for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

WILLIAM P. HENSZEY FUND

Founded in 1908 by gift of \$10,000 from William P. Henszey, donated in connection with the raising of the President Sharpless Fund, but kept as a separate fund. Increased in 1909 by legacy of \$25,000 from William P. Henszey. Present book value, \$35,418.53. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

JACOB P. JONES BENEFIT FUND

Founded in 1909 and increased in 1910 by proceeds of land sold for account of Jacob P. Jones legacy. Present book value, \$65,630.50. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

PLINY EARLE CHASE MEMORIAL FUND

Founded in 1909 by transfer to the College of a fund raised in 1887 in memory of Professor Pliny Earle Chase, and amounting to par value of \$4,173.04. The income of this fund is used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. This income is transferred annually to the Haverford College Pension Fund, for old style pensions, or, if not needed for pensions, is capitalized in said fund. Present book value, \$3,152.93.

HAVERFORD COLLEGE PENSION FUND

Founded in 1920 and added to since, being accumulations of income from the President Sharpless Fund, the William P. Henszey Fund, the Jacob P. Jones Benefit Fund and the Pliny Earle Chase Memorial Fund, not needed for pensions. Present book value, \$107,955.98. The income from this fund, together with the income from the four above-mentioned funds, is used for old style pensions. Income not needed for pensions was capitalized until 1932; then any unused income was used toward the College's share in cost of new contributory pensions with the Teachers' Annuity and Insurance Association. Now the old style pensions call for more than the income of all these Pension Funds. When the proper time comes in an actuarial sense, the principal of this fund can be used as well as the income for the old style pensions until they cease.

FUNDS FOR SPECIAL PURPOSES

THOMAS SHIPLEY FUND

Founded in 1904 by gift of \$5,000 from the late Samuel R. Shipley as a memorial to his father, Thomas Shipley. Present book value, \$5,056.68. The income only to be used for lectures on English Literature at the College. In case of actual need, at the discretion of the President of the College, the income can be used for general expenditures.

ELLISTON P. MORRIS FUND

Founded in 1906 by gift of \$1,000 from Elliston P. Morris, '48. The income is to be used as a prize for essays to be written by students on the subject of Arbitration and Peace. "The Elliston P. Morris Prize" of \$40 is given in each year, the competition being open to all undergraduates and to graduates of not more than three years' standing.

In 1929, it was determined, with the consent of the family of Elliston P. Morris, that when the prize is not awarded the income may be used for the purchase of library books on arbitration and peace. Present book value, \$1,085.68.

JOHN B. GARRETT READING PRIZE FUND

Founded in 1908 by a gift of \$2,000 par value of bonds by the late John B. Garrett, '54. It was the purpose of the donor to ensure the permanence of a prize or prizes for Systematic Reading, which he had given for a number of years. The prizes were not awarded from 1922 to 1939 on account of default of the bonds. Reorganization has resulted in 1939 in sufficient recovery of value to provide again for this prize. Present book value, \$2,189.40.

SPECIAL ENDOWMENT FUND

Founded in 1909 by gift of \$12,000 par value of bonds, book value \$11,800, from an anonymous donor. The income only of this fund to be used "to furnish opportunity for study of social and economic and religious conditions and duties connected therewith, especially from a Christian point of view." The income is used toward the expenses of Summer Schools for Religious Study, which have been held at Haverford and Swarthmore Colleges from time to time, and also for religious education under Friends' care.

On Fifth Month 16, 1930, the Managers adopted the following amendment, made at the suggestion of the donor, now revealed to be John Thompson Emlen, 1900: "If, however, it shall in the course of time be deemed advisable by the President and the Managers that the income of this fund can be used more profitably by the College for other purposes than those herewith stated, it is my desire that they shall act in accordance with their judgment." Present book value, \$8,890.67.

SCHOLARSHIP IMPROVEMENT PRIZE FUND

Founded in 1913 by gift of \$2,000 par value of bonds, book value, \$1,200, from John L. Scull, '05. Present book value, \$2,213.14. The income only to be used to establish two prizes of \$50 and \$45 annually to the two students in the graduating class showing the most marked and steady improvement in scholarship during their college course.

ELIZABETH P. SMITH FUND

Founded in 1915 by bequest of \$1,000 from Elizabeth P. Smith. Present book value, \$1,680.48. The income only to be used as a prize for the best essays on Peace written by students of the College.

S. P. LIPPINCOTT HISTORY PRIZE FUND

Founded in 1917 by gift of \$2,500 par value of bonds, book value, \$2,546.88, from beneficiary of the estate of S. P. Lippincott, '86. The income only to be used as an annual history prize, which is designated "The S. P. Lippincott History Prize." The award is to be made on the basis of a competitive essay. In any year when no award is made, the income is to be used for the purchase of library books in the field of the unawarded prize. Present book value, \$2,454.02.

FRANCIS STOKES FUND

Founded in 1919 by gift of \$5,000 in securities, book value, \$5,000, from Francis J. Stokes, '94, in memory of his father, Francis Stokes, of the Class of 1852, and a Manager of Haverford from 1885 until his death in 1916. The income is to be used for extending the planting of trees and shrubs on the College grounds. The wish is expressed, but not as a binding condition of the gift, that the Campus Club should have the direction of the expenditure of this income. Present book value, \$4,933.63.

GEORGE PEIRCE PRIZE FUND

Founded in 1919 by gift of \$600, and increased in 1920 by further gift of \$400 from Harold and Charlotte C. Peirce in memory of their deceased son, George Peirce, '03. Present book value, \$2,571.04. The income only is to be used for a prize, to be called the George Peirce Prize in Chemistry or Mathematics, to the student who, in the opinion of the Faculty, has shown marked proficiency in either or in both of these studies and who wishes to follow a profession which calls for such preparation. Unused income is capitalized, as requested by the founders of the fund. Present book value, \$2,660.88.

LYMAN BEECHER HALL PRIZE FUND

Founded in 1924 by donation of securities of par value, \$2,000, book value, \$1,820, from the Class of 1898 in commemoration of their 25th anniversary of graduation to establish an annual prize of \$100 in Chemistry in honor of Doctor Lyman Beecher Hall, Professor of Chemistry at Haverford College from 1880 to 1917. Present book value, \$2,076.43.

NEWTON PRIZE FUND

Founded in 1925 by donation of five shares of General Electric Co. stock by A. Edward Newton, par value, \$500, and book value, \$1,348.25. The income only is to be used for "The Newton Prize in English Literature to the undergraduate who shall submit the best essay on some subject connected with English literature." In 1930, the award was changed to be on the basis of Final Honors, and in any year when no award is made the income is to be used for the purchase of library books in the field of the unawarded prize. Present book value, \$1,346.79.

EDWARD B. CONKLIN ATHLETIC FUND

Founded in 1925 and added to in 1926, 1927 and 1929 by Frank H. Conklin, '95, in memory of his brother, Edward B. Conklin, '99. Present book value, \$2,312.51. The income is to be used without restriction in any branch of athletics.

ARBORETUM FUND

Founded in 1928 by setting aside \$5,000 from proceeds from sale of 5.811 acres of land on the southern boundary and southeast corner of the College farm. Until otherwise ordered by the Managers, the fund is to be invested and

the income only is to be used under the direction of the Campus Club for trees and shrubs upon the College grounds, or for their care, or for other similar purposes. Present book value, \$4,420.49.

WILLIAM ELLIS SCULL PRIZE FUND

Founded in 1929 by William Ellis Scull, '83, by a gift of \$2,000. The income is to be used annually, so long as the Managers may judge expedient, as a prize to be awarded at Commencement by the Faculty to that upper classman who in their judgment shall have shown the greatest improvement in voice and the articulation of the English Language. The prize is to be known as "The William Ellis Scull Prize." Present book value, \$1,927.09.

C. WHARTON STORK ART FUND

In First Month, 1930, C. Wharton Stork, of Class of 1902, donated to the Corporation securities of a then value of \$69,000 on account of a contemplated gift for the purpose of erecting, equipping, and furnishing an Art Museum at the College. Purchases were made by C. Wharton Stork of paintings, which are hung in the Library. This fund is to be liquidated and is not included in the total of the funds.

PAUL D. I. MAIER FUND

Founded Tenth Month 7, 1936, by bequest of \$1,000 from Paul D. L. Maier, '96, of Bryn Mawr, Pa. The bequest provides for the continuance of the Class of 1896 Prizes of \$10 each in Latin and Mathematics, and any balance of income is to be used for general purposes. Present book value, \$963.54.

STRAWBRIDGE OBSERVATORY MAINTENANCE FUND

Founded Second Month 13, 1937, from donations of \$5,627.37 from members of the Strawbridge family, being the amount in excess of the actual cost of the rebuilding and reequipping of the William J. Strawbridge, '94. Memorial Astronomical Observatory. The income is used for the maintenance and equipment of the observatory. The principal can be used for additional equipment, if so determined by the Board of Managers. In 1938 and 1939 an astrographic camera was so purchased at a cost of \$1,787.83. Present book value, \$3,699.55.

JACOB AND ENGENIE BUCKY MEMORIAL FOUNDATION

Founded Sixth Month 4, 1942 by gift of \$2,000.00 from Colonial Trust Company of New York and Solomon L. Fridenberg of Philadelphia, co-trustees under the will of Eugenie Bucky, deceased (late of New York), the income only to be used. At the same time accumulated income of \$2,000.00 was also donated as Bucky Foundation Gift, this amount to be available for use for the same purposes as the income of the Foundation. Extracts from Mrs. Bucky's will and codicils in reference to the purposes of the Bucky Foundation are here made as follows:

"The purpose or object of such a Foundation or Fund is and shall be for the encouragement of them who seek new truths, and who endeavor to free and clear from mystery and confusion our knowledge concerning God¹; and thereby to enforce more effectively the common laws of mutual love and obligation, peace and goodwill, between and among our several creeds, races, nations, and markets.²

"My aim, intention, purpose and object is to help in promoting piety among men, enlightening their ignorance and bettering their condition, by making more and more extensive and by spreading among the public at large not only the preaching but also the practicing of the words of the . . . American motto 'In

God We Trust,' and of the . . . Preamble to the Constitution for the United States of America. I believe and therefore I aim, intend and purpose that the uplifting of men, women and children to the standard of life taught in the Scriptures and the Constitution for the United States of America is indeed the work of Charity, dispels ignorance, inculcates generous and patriotic sentiments, and fits the public groups and the individual men or women for their good usefulness in the American Commonwealth."

1. Associated with the American motto "In God We Trust."

2. Associated with the Preamble of the Constitution for the United States of America—"to form a more perfect union, establish justice, insure domestic tranquility, provide the common defense, promote the public welfare, and secure the blessings of liberty to ourselves and our posterity."

In 1945-1946, a further gift of \$1,000 from the Trustees was added to the fund. Unused income, if any, has also been capitalized. Present book value, \$4,240.57.

MATHEMATICS DEPARTMENT PRIZE FUND

Founded May 20, 1943 from gifts totaling \$900.00 of members of the Mathematics faculty and others. A further gift of \$125 was made in 1943-44. The unused income is added to principal. This capitalized the annual prizes that had been given by the Mathematics professors for many years.

The Mathematics Department Prizes for freshmen, \$25.00, are awarded annually, in competition, by examination. Present book value, \$1,201.84.

WILLIAM T. ELKINTON FUND

Founded Ninth Month 6, 1944, by bequest from William T. Elkinton, of Philadelphia, arising from a Trust set up by him during his lifetime. The principal was \$2,491.50 and income received, \$11.11, a total of \$2,502.61. After the death of a life beneficiary, the Trust provided: "to pay over, assign and transfer one of said equal parts unto the Corporation of Haverford College (a corporation of the State of Pennsylvania); the principal fund thus passing to said Corporation to constitute a part of such endowment as may be established at Haverford College as a fitting memorial of Friends' relief work abroad, which memorial 'should foster the peaceful relations of the United States with foreign countries by acquainting our youth with the principles of European governments and with international problems'; provided however, that if no such Endowment should be established at Haverford College prior to the expiration of one year after the principal of the Fund hereby conveyed becomes distributable under the provisions of this deed, the said one-third part of the fund hereby conveyed shall be devoted by the Corporation of Haverford College for such other purpose as the Trustees acting hereunder, their survivor or successor, shall designate, preferably for the furtherance of education in some form at Haverford College or for providing assistance in the form of scholarships to promote education."

In accordance with a suggestion from President Morley, concurred in by Thomas W. Elkinton representing the Trustees, the Managers voted on Ninth Month 22, 1944, that "the income until otherwise directed, is to be used for traveling and other expenses in the attendance at intercollegiate conferences for discussion of international problems by representatives of the International Relations Club at Haverford." The Trustee further stated "as long as the activities of the Club are closely related to 'acquainting our youth with the principles of European governments and with international problems,' the use of the income by the Club would be satisfactory."

TILNEY MEMORIAL FUND

Founded in First Month, 1945, by gifts totaling \$2,000 by I. Sheldon Tilney, 1903, in memory of his parents, John S. and Georgiana E. Tilney. The income is to be used "to try to influence the student body towards a more religious viewpoint of life." Permission was also granted by the donor that "the income may be used also in connection with a scholarship for students in the field of Philosophy or Biblical Literature."

In 1945-1946 the fund was increased to \$5,000, by gifts of \$1,000 from Georgiana S. Kirkbride and \$2,000 from Robert W. Tilney, sister and brother of I. Sheldon Tilney. In 1948-49 a further gift of \$250 was received from I. Sheldon Tilney. Present book value, \$5,250.

CLASS OF 1902 LATIN PRIZE FUND

Founded Second Month 2, 1945, by gift from Class of 1902 of \$142.20, being proceeds of sale of security formerly purchased and held by the Class to perpetuate a Latin Prize of \$10 annually at Haverford. The Class had donated the income for this prize since 1913. An unused balance of \$39.00 of such donations was transferred to the income account of this fund.

CLASS OF 1898 GIFT

Founded Sixth Month 12, 1948, by contributions totaling \$6,100 from members of the Class of 1898 as a 50th Anniversary Gift of their graduation. The conditions of the gift were "For a period of 25 years the income only produced by the fund is to be used to pay the expenses of lectures at the College by qualified persons on such subjects and at such times as the President of the College, with the advice of the Faculty, may think best, including at the discretion of the President, conferences between the lecturers and the students. After August 31, 1973, the income and/or principal of the fund, may, at the discretion of the Board of Managers, be used for any purpose in connection with the College."

EDMUND J. LEE MEMORIAL AWARD FUND

Founded Eighth Month 31, 1948, by donations totaling \$906.50 from members of the Class of 1943 on the occasion of their Fifth Reunion. The Class desired "to perpetuate the memory of Edmund Jennings Lee, 2nd, its sole member killed in the past war, and to stimulate in the College that spirit of service for which he was known. In 1948-1949 a further gift of \$100 was received from Miss Mildred W. Lee, sister of Edmund J. Lee.

"The proceeds from the invested fund shall be used to establish an annual award to be known as the Edmund J. Lee Memorial Award to be awarded annually beginning in 1949, to the recognized undergraduate organization which has contributed most toward the furtherance of academic pursuits, extra-curricular activities, spiritual growth, or college spirit, in individuals or in the College as a whole during the year. The Award is to be used by its recipient in continuing to render such service."

STATED MEETINGS OF THE CORPORATION
AND THE MANAGERS

The Annual Meeting of "The Corporation of Haverford College" is held in Tenth Month at such time and place as the Board of Managers may determine.

The Stated Meetings of the Managers for 1949-50 will be held on the third Sixth-day of First, Third, Fifth, Ninth and Eleventh months.

LEGACIES

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

FORM OF BEQUEST OF PERSONAL PROPERTY

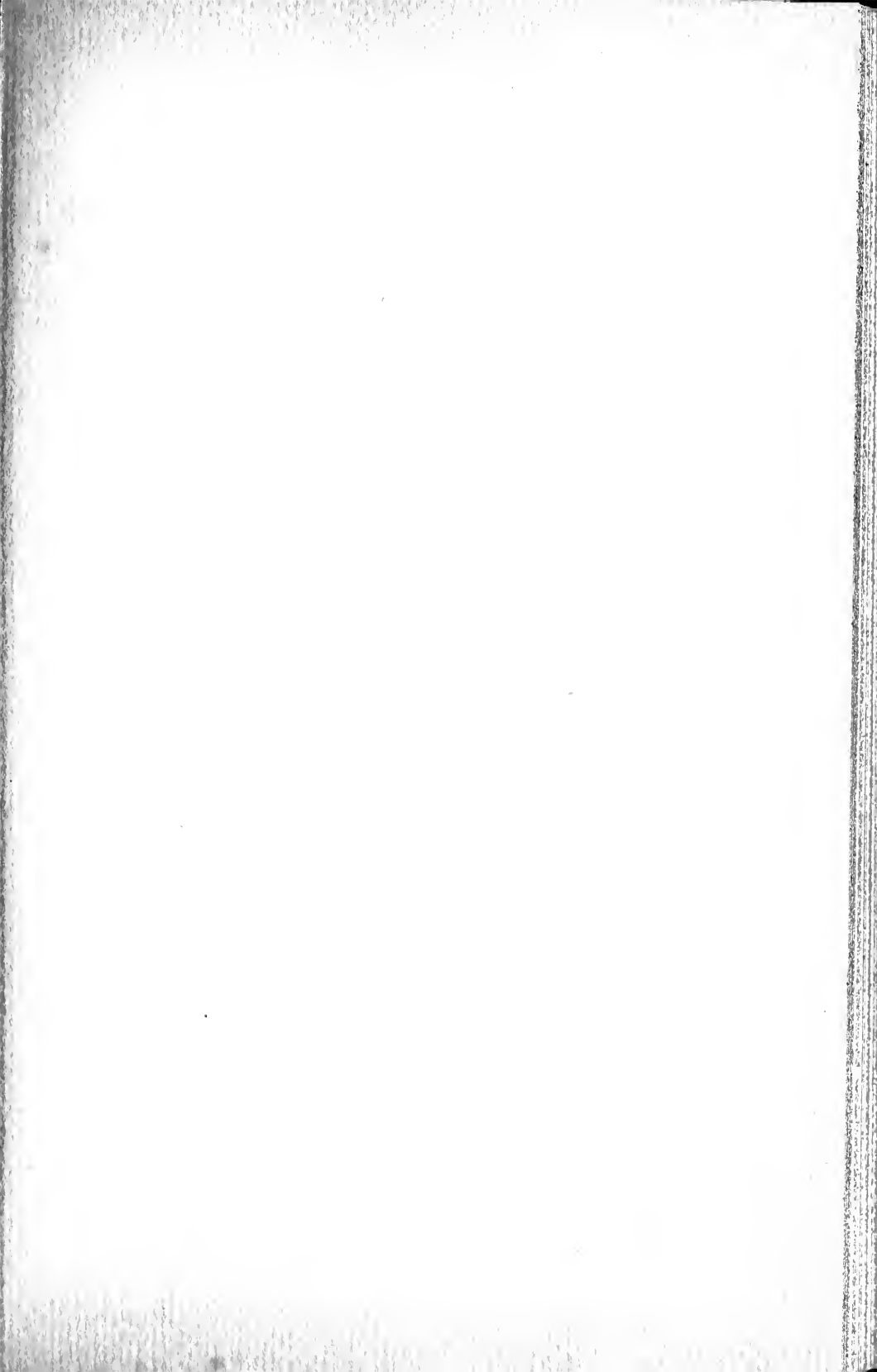
I give and bequeath, free and clear of all estate, inheritance on other similar taxes, unto the Corporation of Haverford College, the sum ofDollars.

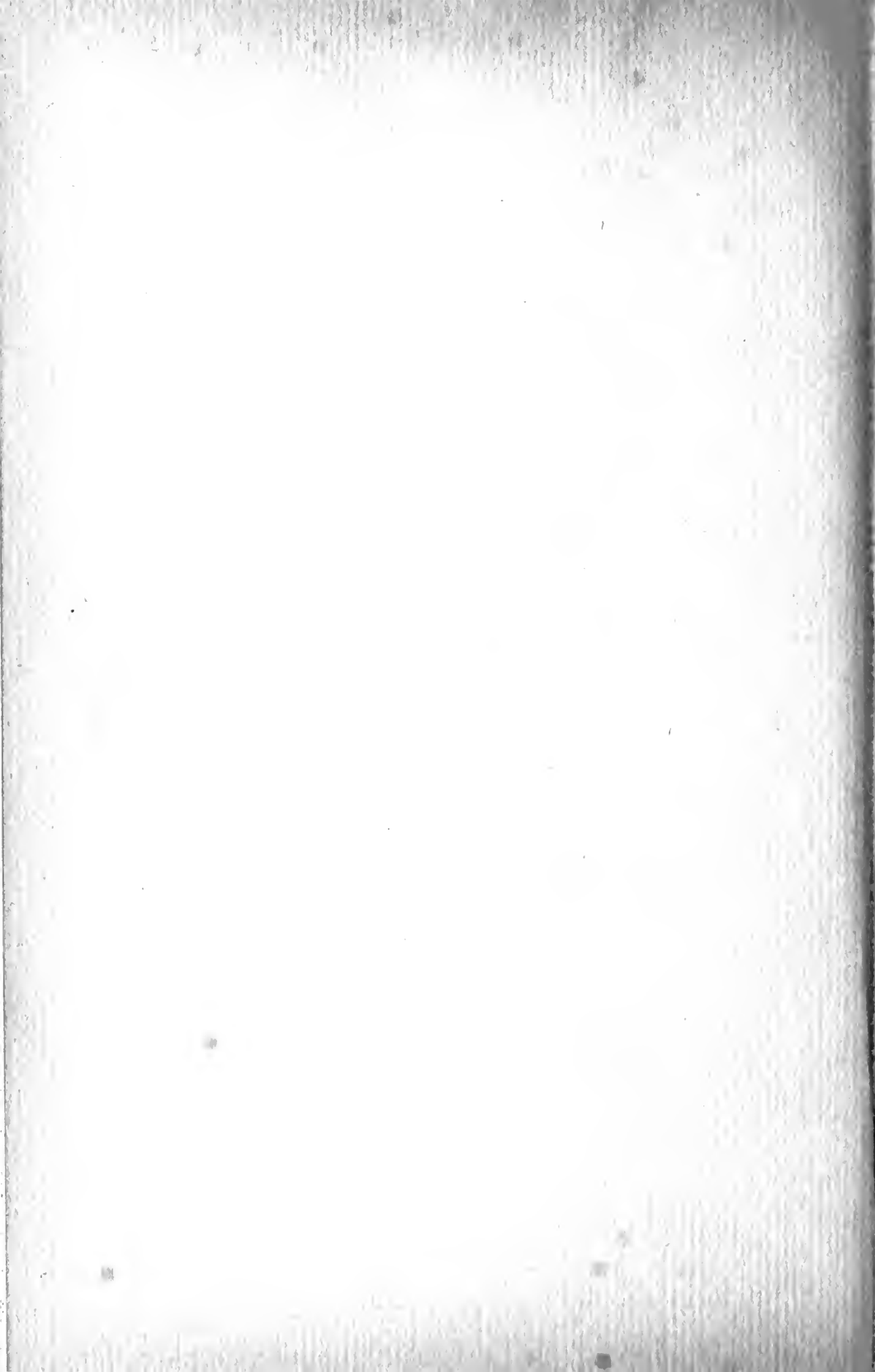
FORM OF DEVISE OF REAL ESTATE

I give and devise, free and clear of all estate, inheritance or other similar taxes, unto The Corporation of Haverford College, its Successors and Assigns, in fee, the following described real estates: (Here describe the real estate.)









HAVERFORD COLLEGE BULLETIN



Catalog, 1950-1951

VOLUME XLVIX

NUMBER ONE

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College, Haverford, Pennsylvania

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HAVERFORD COLLEGE BULLETIN



1950-1951

HAVERFORD, PENNSYLVANIA

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1950

		S	M	T	W	T	F	S			S	M	T	W	T	F	S
Sept.							1	2	Nov.					1	2	3	4
		3	4	5	6	7	8	9			5	6	7	8	9	10	11
		10	11	12	13	14	15	16			12	13	14	15	16	17	18
		17	18	19	20	21	22	23			19	20	21	22	23	24	25
		24	25	26	27	28	29	30			26	27	28	29	30		
Oct.		1	2	3	4	5	6	7	Dec.							1	2
		8	9	10	11	12	13	14			3	4	5	6	7	8	9
		15	16	17	18	19	20	21			10	11	12	13	14	15	16
		22	23	24	25	26	27	28			17	18	19	20	21	22	23
		29	30	31							24	25	26	27	28	29	30
									31								

1951

		S	M	T	W	T	F	S			S	M	T	W	T	F	S
Jan.			1	2	3	4	5	6	April		1	2	3	4	5	6	7
		7	8	9	10	11	12	13			8	9	10	11	12	13	14
		14	15	16	17	18	19	20			15	16	17	18	19	20	21
		21	22	23	24	25	26	27			22	23	24	25	26	27	28
		28	29	30	31						29	30					
Feb.						1	2	3	May				1	2	3	4	5
		4	5	6	7	8	9	10			6	7	8	9	10	11	12
		11	12	13	14	15	16	17			13	14	15	16	17	18	19
		18	19	20	21	22	23	24			20	21	22	23	24	25	26
		25	26	27	28						27	28	29	30	31		
March						1	2	3	June							1	2
		4	5	6	7	8	9	10			3	4	5	6	7	8	9
		11	12	13	14	15	16	17			10	11	12	13	14	15	16
		18	19	20	21	22	23	24			17	18	19	20	21	22	23
		25	26	27	28	29	30	31			24	25	26	27	28	29	30

College Days in heavy-face type.

Calendar

1950-51

Registration of all new students.....	September 18-19
Beginning of College year with Assembly, 9 a.m.....	September 20
Registration of returning students to be filed by 4 p.m.....	September 20
First semester classes begin, 8 a.m.....	September 21
First quarter ends	November 11
Thanksgiving recess (dates inclusive).....	1 p.m., November 22-26
Major Registration Cards for men in the fourth term must be filed by 4 p.m.....	December 6
Registration (Spring Term)	December 13-15
Christmas recess (dates inclusive).....	12 noon December 16-January 2
First semester classes end, 1 p.m.....	January 16
All papers assigned must be turned in by 4 p.m.*	
Senior comprehensive examinations (dates inclusive).....	January 18-20
Mid-year examinations (dates inclusive)**.....	January 22-February 3
Second semester classes begin, 8 a.m.....	February 5
Applications for fellowships for the following year must be filed by.....	March 1
Third quarter ends.....	March 24
Spring recess (dates inclusive).....	12 noon March 24-April 1
Applications for undergraduate scholarships for the following year must be filed by.....	April 15
Major Registration Cards for men in the fourth term must be filed by 4 p.m.....	April 18
Manuscripts in competition for prizes must be filed in the Registrar's Office by 4 p.m.....	May 1
Registration (Fall Term).....	May 9-11
Second semester classes end, 1 p.m.....	May 19
All papers assigned must be turned in by 4 p.m.*	
Senior comprehensive examinations (dates inclusive).....	May 21-23
Final examinations (dates inclusive)**.....	May 25-June 7
Commencement	June 9

*Late papers will receive no credit unless arrangements have been made *in advance* with the instructor in the course and the Dean.

**Laboratory notebooks must be turned in not later than the scheduled time of the examination in the course. Late notebooks will receive no credit unless arrangements have been made *in advance* with the instructor in the course and the Dean. In courses which have no scheduled examination, notebooks must be turned in by 4 p.m. of the fourth day preceding the end of the examination period.

Corporation of Haverford College

Officers

DR. S. EMLÉN STOKES, *President*
Moorestown, N. J.

WM. MORRIS MAIER, *Treasurer*
1411 Walnut Street, Philadelphia 2, Pa.

JOHN F. GUMMERE, *Secretary*
W. School Lane and Fox Street, Philadelphia 44, Pa.

Members of the Standing Nominating Committee of the Corporation

Term Expires 1950

STANLEY R. YARNALL.....5337 Knox Street, Philadelphia 44, Pa.
WILLIAM E. CADBURY.....225 South 15th Street, Philadelphia 2, Pa.
HUBERT R. TAYLOR.....910 Girard Trust Building, Philadelphia 2, Pa.

Term Expires 1951

WILMOT R. JONES.....Alapocas Drive, Wilmington, Del.
RICHARD M. SUTTON.....Haverford College, Haverford, Pa.
RICHARD R. WOOD.....272 W. Main Street, Moorestown, N. J.

Term Expires 1952

DR. FREDERIC C. SHARPLESS.....Rosemont, Pa.
THEODORE B. HETZEL.....Haverford College, Haverford, Pa.
DR. E. WAYNE MARSHALL.....140 Cedarbrook Road, Ardmore, Pa.

Board of Managers

Ex-officio as Officers of Corporation

DR. S. EMLÉN STOKES, *President*.....Moorestown, N. J.
WM. MORRIS MAIER, *Treasurer*.....1411 Walnut Street, Philadelphia 2, Pa.
JOHN F. GUMMERE, *Secretary*, W. School Lane and Fox St., Philadelphia 44, Pa.

Term Expires 1950

J. HENRY SCATTERGOOD.....1411 Walnut Street, Philadelphia 2, Pa.
MORRIS E. LEEDS.....1025 Westview Street, Philadelphia 19, Pa.
M. ALBERT LINTON.....4601 Market Street, Philadelphia 39, Pa.
EDWARD WOOLMAN.....Haverford, Pa.
THOMAS W. ELKINTON.....Public Ledger Building, Philadelphia 6, Pa.
HENRY C. EVANS.....635 Manatawna Avenue, Philadelphia 28, Pa.
J. COLVIN WRIGHT*.....116 E. Penn Street, Bedford, Pa.
GARRETT S. HOAG.....131 Glen Road, Wellesley Farms, Mass.
DR. JONATHAN E. RHOADS.....3400 Spruce Street, Philadelphia 4, Pa.

Term Expires 1951

CHARLES J. RHOADS.....Ithan Road, Bryn Mawr, Pa.
EDWARD W. EVANS.....Awbury, Germantown, Philadelphia 38, Pa.
WILLIAM A. BATTEY.....605 Walnut Lane, Haverford, Pa.
DR. FREDERIC C. SHARPLESS.....Rosemont, Pa.
JOHN A. SILVER.....1605 Race Street, Philadelphia 3, Pa.
WILLIAM B. BELL.....30 Rockefeller Plaza, New York 20, N. Y.
WILMOT R. JONES.....Alapocas Drive, Wilmington, Del.
H. JUSTICE WILLIAMS.....1331 Fidelity-Phila. Trust Bldg., Phila. 9, Pa.
WESLEY M. HEILMAN*.....126 Edgewood Road, Ardmore, Pa.
WILLIAM P. PHILIPS*.....200 West 56th Street, New York 19, N. Y.

Term Expires 1952

FREDERIC H. STRAWBRIDGE.....801 Market Street, Philadelphia 7, Pa.
JONATHAN M. STEERE.....2517 Girard Trust Building, Philadelphia 2, Pa.
L. HOLLINGSWORTH WOOD.....133 E. 40th Street, New York 16, N. Y.
STANLEY R. YARNALL.....5337 Knox Street, Philadelphia 44, Pa.
WILLIAM W. COMFORT.....Haverford, Pa.
DR. HENRY M. THOMAS, JR.....314 Overhill Road, Baltimore 10, Md.
ALEXANDER C. WOOD, JR.....325 Chestnut Street, Philadelphia 6, Pa.
HAROLD EVANS.....1000 Provident Trust Building, Philadelphia 3, Pa.
ROBERT A. LOCKE*.....1207 Land Title Building, Philadelphia 10, Pa.

Faculty Representatives on Board of Managers

Term Expires 1951

WILLIAM B. MELDRUM

Alternates, 1950-51: THOMAS E. DRAKE and LOUIS C. GREEN

Term Expires 1952

RALPH M. SARGENT

Officers

Chairman of Board

DR. S. EMLÉN STOKES

Secretary of Board

WM. NELSON WEST, 3rd

* Alumni Representative Manager.

Standing Committees of the Board of Managers of the Corporation of Haverford College

*The Chairman of the Board is an ex-officio
member of all committees*

Executive Committee

S. EMLÉN STOKES, <i>Chairman</i>	EDWARD W. EVANS
JONATHAN M. STEERE	JOHN F. GUMMERE
J. HENRY SCATTERGOOD	WILMOT R. JONES
FREDERIC C. SHARPLESS	JONATHAN E. RHODS
ALEXANDER C. WOOD, JR.	WESLEY M. HEILMAN
THOMAS W. ELKINTON	WM. MORRIS MAIER
MORRIS E. LEEDS	

WM. NELSON WEST, 3rd, *Secretary*

Committee on Finance and Investments

JONATHAN M. STEERE, <i>Chairman</i>	M. ALBERT LINTON
J. HENRY SCATTERGOOD	WM. MORRIS MAIER
ALEXANDER C. WOOD, JR.	WILLIAM P. PHILIPS

Committee on College Property and Farm

WILLIAM A. BATTEY, <i>Chairman</i>	HENRY C. EVANS
FREDERIC H. STRAWBRIDGE	THOMAS W. ELKINTON
EDWARD WOOLMAN	JOHN A. SILVER

ROBERT A. LOCKE

Committee on Honorary Degrees

HENRY M. THOMAS, JR., <i>Chairman</i>	M. ALBERT LINTON
STANLEY R. YARNALL	HAROLD EVANS
WILLIAM W. COMFORT	L. HOLLINGSWORTH WOOD

GARRETT S. HOAG

Committee on the College Library

ALEXANDER C. WOOD, JR., <i>Chairman</i>	WILMOT R. JONES
WILLIAM W. COMFORT	WILLIAM P. PHILIPS

Counsel

MACCOY, EVANS AND LEWIS
1632 Chestnut Street, Philadelphia 3, Pa.

Faculty

- GILBERT FOWLER WHITE.....*President*
S.B., S.M., and Ph.D., University of Chicago.
- WILLIAM WISTAR COMFORT.....*President, Emeritus*
A.B., A.M. and LL.D., Haverford College; A.M. and Ph.D., Harvard University; Litt.D., University of Pennsylvania; LL.D., University of Maryland and Lake Forest College.
- LEGH WILBER REID.....*Professor of Mathematics, Emeritus*
S.B., Virginia Military Institute; A.B., Johns Hopkins University; S.M., Princeton University; Ph.D., University of Göttingen.
- ALBERT HARRIS WILSON.....*Professor of Mathematics, Emeritus*
S.B. and S.M., Vanderbilt University; Ph.D., University of Chicago.
- FREDERIC PALMER, JR.....*Professor of Physics, Emeritus*
A.B., A.M., and Ph.D., Harvard University.
- LEON HAWLEY RITTENHOUSE.....*Professor of Engineering, Emeritus*
M.E., Stevens Institute of Technology.
- FRANK DEKKER WATSON.....*Professor of Sociology and Social Work, Emeritus*
S.B. in Economics and Ph.D., University of Pennsylvania.
- DEAN PUTNAM LOCKWOOD.....*Professor of Latin, Emeritus*
A.B., A.M., and Ph.D., Harvard University.
- ALFRED WILLIAM HADDLETON.....*Assistant Professor of Physical Education, Emeritus*
- JOHN OTTO RANTZ.....*Instructor in Engineering, Emeritus*

(The active members of the Faculty are arranged in the order of their appointment to their present rank. Two or more appointed in the same year are listed in alphabetical order.)

- WILLIAM EDWARD LUNT.....*Walter D. and Edith M. L. Scull*
Professor of English Constitutional History
A.B. and L.H.D., Bowdoin College; A.M. and Ph.D., Harvard University; Litt.D., Princeton University.
- WILLIAM BUELL MELDRUM.....*John Farnum Professor of Chemistry*
B.A. and M.Sc., McGill University; Ph.D., Harvard University.
- LEVI ARNOLD POST.....*Professor of Greek*
A.B. and A.M., Haverford College; A.M., Harvard University; B.A. and M.A., Oxford University.
- EMMETT REID DUNN.....*David Scull Professor of Biology*
A.B. and A.M., Haverford College; Ph.D., Harvard University.
- EDWARD DOUGLAS SNYDER.....*Professor of English*
A.B., Yale University; A.M. and Ph.D., Harvard University.
- JOHN ALEXANDER KELLY.....*Professor of German*
A.B., Emory and Henry College; A.M. and Ph.D., Columbia University.
- *DOUGLAS VAN STEERE.....*T. Wistar Brown Professor of Philosophy*
S.B., Michigan State College; B.A., Oxford University; A.M. and Ph.D., Harvard University.
- CLETUS ODIA OAKLEY.....*Professor of Mathematics*
S.B., University of Texas; S.M., Brown University; Ph.D., University of Illinois.

* Absent on leave, first semester.

- RICHARD MANLIFFE SUTTON.....*Professor of Physics*
S.B., Haverford College; Ph.D., California Institute of Technology.
- RALPH MILLARD SARGENT.....*F. B. Gummere Professor of English*
A.B., Carleton College; Ph.D., Yale University.
- CARL BARNETT ALLENDOERFER.....*Professor of Mathematics*
S.B., Haverford College; B.A. and M.A., Oxford University; Ph.D., Princeton University.
- HOWARD MORRIS TEAF, JR.....*Professor of Economics*
S.B. in Economics, A.M., and Ph.D., University of Pennsylvania.
- JOHN WILLIAM FLIGHT.....*Professor of Biblical Literature*
A.B., Hope College; A.M., Yale University; B.D. and Ph.D., Hartford Theological Seminary.
- JOHN GOODWIN HERNDON.....*Professor of Public Finance*
A.B. and A.M., Washington and Lee University; Ph.D., University of Pennsylvania.
- ABRAHAM PEPINSKY.....*Professor of Psychology*
A.B. and A.M., University of Minnesota; Ph.D., State University of Iowa.
- IRA DE AUGUSTINE REID.....*Professor of Sociology*
A.B., Morehouse College; A.M., University of Pittsburgh; Ph.D., Columbia University.
- ALFRED JULIUS SWAN.....*Professor of Music on joint*
B.A. and M.A., Oxford University. *appointment with Swarthmore College*
- HARRY WILLIAM PFUND.....*Professor of German*
A.B., Haverford College; A.M., and Ph.D., Harvard University.
- WILLIAM RAYMOND LONGLEY.....*Visiting Professor of Mathematics,*
second semester 1949-50
A.B., Butler College; B.S., M.S., Ph.D., University of Chicago.
- WILLIAM ERNEST HOCKING.....*Visiting Professor of Philosophy,*
first semester 1950-51
A.B., A.M., Ph.D., Harvard University; Phil. et Litt.D., University of Leiden.
- *HOWARD COMFORT.....*Associate Professor of Latin and Greek*
A.B., Haverford College; A.M. and Ph.D., Princeton University.
- ROY EARL RANDALL.....*Associate Professor of Physical Education*
and Director of Intercollegiate Athletics
Ph.B., Brown University.
- *THOMAS EDWARD DRAKE.....*Associate Professor of American History*
A.B., Stanford University; A.M., University of Michigan; Ph.D., Yale University.
- CLAYTON WILLIAM HOLMES.....*Associate Professor of Engineering*
S.B. and M.E., University of New Hampshire; A.M., Haverford College.
- RICHARD MAX BERNHEIMER.....*Associate Professor of History of Art on*
Ph.D., University of Munich. *joint appointment with Bryn Mawr College*
- *WILLIAM EDWARD CADBURY, JR.....*Associate Professor of Chemistry*
S.B. and A.M., Haverford College; Ph.D., University of Pennsylvania.
- THOMAS OSWELL JONES.....*Associate Professor of Chemistry*
B.E., Oshkosh Teachers College; Ph.M. and Ph.D., University of Wisconsin.

* Absent on leave.

- LOUIS CRAIG GREEN.....*Associate Professor of Astronomy*
A.B., A.M. and Ph.D., Princeton University.
- FILLMORE HARGRAVE SANFORD.....*Associate Professor of Psychology*
A.B., Richmond University; A.M. and Ph.D., Harvard University.
- HERMAN MILES SOMERS.....*Associate Professor of Political Science*
S.B. and Ph.M., University of Wisconsin; A.M. and Ph.D., Harvard University.
- WILLIAM DOCHERTY, JR.....*Associate Professor of Physical Education*
S.B., Temple University. *and Director of Physical Education*
- THEODORE BRINTON HETZEL.....*Associate Professor of Engineering*
S.B., Haverford College; S.B. in M.E., University of Pennsylvania; M.S. and Ph.D., Pennsylvania State College.
- *LAURENCE WILLIAM WYLIE.....*Associate Professor of Romance Languages*
A.B. and A.M., University of Indiana; Ph.D., Brown University.
- FREDERICK WAKEFIELD THON.....*Associate Professor of the Drama,*
A.B., Harvard College; M.F.A., Yale University. *Bryn Mawr College*
- HOWARD KNICKERBOCKER HENRY.....*Assistant Professor of Biology*
S.B., University of Pennsylvania.
- MANUEL JOSE ASENSIO.....*Assistant Professor of Spanish*
B.A., University of Granada; Perical de Aduanas, Academie Oficial de Aduanas, Madrid; A.M., University of Pennsylvania.
- JOHN ASHBY LESTER, JR.....*Assistant Professor of English*
S.B., Haverford College; A.M. and Ph.D., Harvard University.
- THOMAS ALONZO BENHAM.....*Assistant Professor of Physics*
S.B. and S.M., Haverford College.
- FRANCES DE GRAAFF.....*Assistant Professor of Russian*
Ph.D., University of Leiden. *on joint appointment with Bryn Mawr College*
- OTTO THEODOR BENFEY.....*Assistant Professor of Chemistry*
B.Sc. and Ph.D., London University.
- HOLLAND HUNTER.....*Assistant Professor of Economics*
S.B., Haverford College; A.M. and Ph.D., Harvard University.
- JAMES HARRY STREET.....*Assistant Professor of Economics*
A.B. and A.M., University of Texas.
- MARCEL MARC GUTWIRTH.....*Assistant Professor of French*
A.B., Columbia College; A.M. and Ph.D., Columbia University.
- H. FIELD HAVILAND, JR.....*Assistant Professor of Political Science*
A.B., A.M. and Ph.D., Harvard University.
- FRANCIS HOWARD PARKER.....*Assistant Professor of Philosophy*
A.B., Evansville College; A.M., Indiana University; Ph.D., Harvard University.
- JOHN ASHMEAD, JR.....*Assistant Professor of English*
A.B. and A.M., Harvard University.
- JOHN PEARSON ROGHE.....*Assistant Professor of Political Science*
A.B., Hofstra College; A.M. and Ph.D., Cornell University.

* Absent on leave.

- WILLIAM HEARTT REESE.....*Assistant Professor of Music and Director of Glee Club and Orchestra on joint appointment with Bryn Mawr College*
A.B., Amherst College; M.A., Columbia University; Ph.D., University of Berlin.
- IRWIN MURRAY ROSENSTOCK.....*Assistant Professor of Psychology*
S.B., City College, New York; A.M. and Ph.D., University of California.
- WAYNE CLAYSON BOOTH.....*Assistant Professor of English*
A.B., Brigham Young University; A.M. and Ph.D., University of Chicago.
- HERBERT WILLIAM TAYLOR.....*Lecturer in Hygiene*
A.B., Haverford College; M.D., University of Pennsylvania.
- MARTIN FOSS.....*Lecturer in Philosophy*
LL.D., University of Jena.
- CLARENCE EVAN PICKETT.....*Lecturer in Christian Ethics*
A.B., Penn College; B.D., Hartford Theological Seminary.
- ARLINGTON EVANS.....*Instructor in Physical Education*
B.P.E., Normal College A.G.U.; S.M., Temple University.
- ALFRED GILBERT STEER, JR.....*Instructor in German*
A.B., Haverford College; A.M., Duke University.
- RICHARD HARDIN WARREN.....*Instructor in English*
S.B., Haverford College; A.M., Harvard University.
- EDWIN BLAINE BRONNER.....*Instructor in History*
A.B., Whittier College; A.M., Haverford College.
- MADELYN GUTWIRTH.....*Instructor in Romance Languages*
A.B., Brooklyn College; A.M., Bryn Mawr College.
- ANDRÉ MALÉCOT.....*Instructor in Romance Languages*
A.B., University of Delaware; A.M., Middlebury College.
- WILLIAM HOOD WISHMEYER.....*Instructor in English*
A.B. and A.M., Johns Hopkins University.
- NORMAN BARGE BRAMALL.....*Assistant in Physical Education*
- RAYMOND TAYLOR BRAMALL.....*Assistant in Physical Education*
B.S., M.S. and Ed.D., University of Pennsylvania.
- LOUIS RAYMOND SPEALLER.....*Assistant in Physical Education*
S.B. and M.E., Temple University.
- NORMAN MONTGOMERY WILSON.....*Assistant in Engineering*
- JOHN HAUGHTON WRENN.....*Assistant in Public Speaking*
A.B. and A.M., University of Michigan.
- AUSTIN COMLY HOOD.....*Assistant in Chemistry*
S.B., Alderson-Broadbudd College.
- JOSEPH LEROY STANMYER, JR.....*Assistant in Chemistry*
A.B., Haverford College.
- SIDNEY ELLIOTT JACKSON.....*Assistant in Physical Science*
A.B., Vassar College.
- DAVID SHOEMAKER RICHIE.....*Adviser in Work Camp Program*
S.B., Haverford College.
- FORREST DUANE COMFORT.....*Counsellor in Remedial Reading, 1949-50*
A.B., Penn College; A.M., Haverford College; Ed.M., Harvard University.
- WILLIAM HARBOLD NEWLIN.....*Laboratory Assistant in Physics*
- RICHARD WARREN LAITY.....*Frederick Gardner Cottrell Fellow in Chemistry*
A.B., Haverford College.

The Vice-Presidents, the Dean and the Comptroller are members of the Faculty.

Administration

- GILBERT FOWLER WHITE.....*President*
S.B., S.M. and Ph.D., University of Chicago.
- ARCHIBALD MACINTOSH.....*Vice-President and Director of Admissions*
A.B., Haverford College; A.M., Columbia University.
- LESTER CORNERIUS HAWORTH.....*Vice-President*
S.B., Earlham College.
- GILBERT THOMAS HOAG.....*Dean*
A.B., Haverford College; A.M. and Ph.D., Harvard University.
- ABRAHAM PEPINSKY.....*Registrar*
A.B. and A.M., University of Minnesota; Ph.D., The State University of Iowa.
- MRS. EDYTHA M. CARR.....*Assistant Registrar*
- ALDO CASELLI.....*Comptroller and Business Manager*
D.S.E. and C., University of Naples.
- JOHN ASHBY LESTER, JR.....*Librarian*
S.B., Haverford College; A.M. and Ph.D., Harvard University.
- AMY LYDIA POST.....*Assistant Librarian*
A.B., Earlham College.
- *THOMAS EDWARD DRAKE.....*Curator of the Quaker Collection*
A.B., Stanford University; A.M., University of Michigan; Ph.D., Yale University.
- HERBERT WILLIAM TAYLOR.....*Physician in Charge*
A.B., Haverford College; M.D., University of Pennsylvania.
- MABEL SYLVIA BEARD.....*Resident Nurse*
R.N., Lankenau Hospital.
- LOUIS CRAIG GREEN.....*Director of the Strawbridge Memorial Observatory*
A.B., A.M. and Ph.D., Princeton University.
- SEATON SCHROEDER.....*Superintendent of Buildings and Grounds*
S.B. and C.E., University of Pennsylvania.
- MRS. ETHEL ELIZABETH BEATTY.....*Dietician*
- BENNETT SMEDLEY COOPER.....*Alumni Secretary and Assistant to the President*
S.B., Haverford College.
- MRS. ALICE MATTSON BERRY.....*Secretary to the President*
- MARIS MOORE.....*Secretary to the Dean*
A.B., Rosemont College.
- GERTRUDE MANN WONSON.....*Admissions Office*
S.B., Simmons College.

* Absent on leave.

Standing Committees of the Faculty and Administration

The President and the Vice-Presidents are ex-officio members of all committees. The President, the three elected divisional representatives of the Faculty, the Vice-Presidents and the Dean compose the Academic Council. Under the chairmanship of the President this body meets occasionally to consider student petitions and matters of college policy. The elected members for 1950-51 are Messrs. Somers (Social Science), Allendoerfer (Natural Sciences), and Asensio (Humanities).

ACADEMIC STANDING: Mr. Docherty, *Chairman*.

Messrs. Ashmead, Benfey, Haviland, Parker, Teaf.

ADMISSIONS: Mr. MacIntosh, *Chairman*.

Messrs. Asensio, Bernheimer, Herndon, Lester.

CURRICULUM AND COLLEGE PROGRAM: Mr. Reid, *Chairman*.

Messrs. Allendoerfer, Green, Hoag, Pfund, Sanford.

FELLOWSHIPS AND PRIZES: Mr. Herndon, *Chairman*.

Messrs. Holmes, Hunter, Kelly, Lunt, Somers, Warren.

GRADUATE STUDENTS: Mr. Meldrum, *Chairman*.

Messrs. Bronner, Dunn, Flight, Foss, Parker, Post, Steere.

LIBRARY: Mr. Sargent, *Chairman*.

Messrs. Benfey, Gutwirth, Henry, Roche.

NON-ACADEMIC INSTRUCTION: Mr. Hetzel, *Chairman*.

Messrs. Benham, Randall, Reese, Snyder, Street, N. Wilson.

PREMEDICAL EDUCATION: Dr. Taylor, *Chairman*.

Messrs. Henry, Jones, Sanford, Street, Sutton.

STUDENT AFFAIRS: Mr. Oakley, *Chairman*.

Messrs. Docherty, Hoag, Pepinsky, Thomsen; Miss deGraaff.

Student members: Robert Chase, Kenneth Dolbeare, Thomas Feeser.

THE COLLEGE PROGRAM



HAVERFORD COLLEGE

AS A QUAKER COLLEGE, Haverford stresses in its educational policy the importance of personal and social ideals. In the past, this concern has been expressed through Fifth Day Meeting and Collection, rather than in any formal way in the requirements for the degree. Recent changes in faculty rulings, however, have put a heavier emphasis on philosophic and evaluative courses within the academic curriculum itself. The College is not satisfied with scholarship and intellectual expertness alone, though it values highly these qualities; in its new plans, Haverford will stress increasingly the importance of sound ethical judgment based upon clear perception of individual and social aims.

In its curricular work, Haverford insists on a high standard of achievement. The College's selective admissions policy brings together a varied group of promising young men in each Freshman class. A reasonably high aptitude for academic work is an essential prerequisite, but selection is made also with qualities of personality and character in mind. In its strictly academic work, the College stresses intellectual integrity, independence of judgment, the imaginative grasp of interrelationships, and the capacity to do independent work. Mastery of facts and of the techniques of research is always important, but even more so is the desire and moral capacity to use these skills for worthwhile ends.

Student government and extra-curricular activities are planned to develop qualities of character not commonly cultivated in the classroom. The non-academic program recently instituted is calculated to encourage growth in a sense of responsibility for constructive community service, in the appreciation of beauty, and in certain creative skills not properly included in the curriculum itself. The meditative silence of Fifth Day Meeting continues, as always, to make an important contribution to the spiritual development of Haverford men.

These aims have always been important in Haverford's educational program; the changes now contemplated are intended to increase their importance in the curricular work of the College.

History

HAVERFORD COLLEGE was founded in 1833 as the first college established by members of the Society of Friends in the United States. Wherever the first Quaker settlers set up their meetings for worship, they also opened schools, but because Friends have no ordained ministry or priesthood set apart from secular life, they made in the beginning no provision for institutions of higher learning. With the expansion of science and learning in the early nineteenth century, however, the need for advanced training was felt by the Friends as it was by the many other religious groups in America which founded colleges in that era. A tragic separation in American Quakerism in 1827-28 brought this need sharply to the attention of certain leaders of the "Orthodox" Quaker body in Philadelphia and New York. They organized Haverford, therefore, as an institution which would provide an "enlarged and liberal system of instruction" to meet the intellectual needs of "Friends on this continent," offering a course of instruction in science, mathematics, and classical languages "as extensive as given in any literary institution in this country." In religion, morals, and manners, the students who attended Haverford were, in the Quaker phrase of the day, to receive a "guarded" education, but their training was to be "equal in all respects to that which can be obtained in colleges." Haverford College in those days was modestly called Haverford School, but the intent was clear to create an intellectual center that would give to Friends the kind of education which other young Americans were receiving in the best colleges.

The choice of the site of Haverford College exercised its founders for three years; it was settled by the purchase of 198 acres of rolling farmland in the center of the Welsh Tract, a large area originally set apart by William Penn for Quaker immigrants from Wales. The region still bears the native place-names of its settlers, of which Haverford is one. The site was propitious. Today the College campus (increased to 216 acres) is a beautiful area of fields and woodlands, although the Philadelphia suburbs have spread out along the Main Line to Haverford and beyond. What had been fields grew into a graceful sweep of lawns, distinguished by trees and by planting reminiscent of an English garden. This was the contribution of William Carvill, an English

landscape gardener whose careful planting gave Haverford a campus of great charm.

During the first forty years of the College's existence, Founders Hall, the original building, Alumni Hall, which is now incorporated in the Library, and an Astronomical Observatory comprised the major part of the physical plant. Throughout this era Haverford men were proving by their effectiveness in their communities the soundness of the principles on which the College had been founded. In 1847 Haverford opened its doors to young men who were not members of the Society of Friends, and in 1856 it became a degree-granting institution, with a tradition of high scholarship which has continued unshaken. At the same time it has adhered to its Quaker traditions of simplicity of living and enlightened interest in social issues.

An era of progress began in 1874 under the presidency of Thomas Chase. He and his brother, Professor Pliny Earle Chase, brought the institution to full academic stature, and strengthened its endowment. In this period a number of new buildings were erected, notably Barclay Hall, which, as the principal dormitory, became the center of student life.

President Isaac Sharpless, 1887-1917, led Haverford College into the forefront of American collegiate institutions. His many-sided genius enabled him to gather and hold together a faculty of extraordinary capacity. In his regime, and the years immediately following, modern dormitories and classrooms, well-equipped laboratories for Chemistry, Physics, Biology, and Engineering were added to the growing assembly of buildings. The Gymnasium was erected in 1900; Roberts Hall, containing administrative offices and a large auditorium, in 1903. The Haverford Union, used for many College activities, dates from 1910; the Morris Infirmary from 1912. A modern Observatory was built in 1933, and a modern addition to the Library was completed in 1941.

As the College enrollment has grown in recent years, the need for residences in which men of like tastes and interests might have more intimate associations has been met by the establishment of a Spanish House and a French House, each with a resident director. In these specialized student residences the occupants have the advantages of group life without the social discrimination of a fraternity system.

The original fund of \$60,000 raised when the College was started has been increased by generous bequests and donations to more than \$4,500,000. This endowment enables the College to maintain a superior

faculty of unusual size in proportion to the number of students. Student enrollment is limited in order that teaching may continue on the basis of personal acquaintance in a unified community, as it has throughout the history of Haverford College.

Haverford Station on the Pennsylvania Railroad, between Bryn Mawr and Ardmore, is twenty minutes from downtown Philadelphia. The campus fronts on the famous Lancaster Pike (U. S. 30). It is approximately two hours train journey from Haverford to New York or Baltimore and less than three hours to Washington. Philadelphia's Orchestra, its museums and libraries, its scientific laboratories and industrial plants are all easily accessible to Haverford students, who can make full use of the cultural opportunities of a city while enjoying the beauty of a college campus in a quiet suburban **setting**.

Admission

THE POLICY of Haverford College is to admit to the Freshman class those applicants who, in the opinion of the Committee on Admissions, are best qualified to profit by the opportunities which the College offers and at the same time to contribute to undergraduate life. Due regard is given not only to scholarly attainment, as shown by examination and by school record, but also to character, personality, and interest and ability in important extra-curricular activities.

Whenever practicable, the College will arrange for the candidate to have a personal interview with the Director of Admissions or another administrative officer. Every applicant should realize that, in view of the limited enrollment, he is entering a competition for admission to a carefully selected and comparatively small student organization. On the basis of all information available — College Board reports, school record, class standing, evidence touching on character and personality — the application will be accepted or rejected, and the decision of the Committee on Admissions is final. Preference will be given to those with superior records and credentials rather than to those with mere priority of application.

Students who are accepted will be admitted without conditions. Those who, on entrance, show marked proficiency in certain subjects will be permitted to take courses usually not open to Freshmen; in such cases, however, the number of courses required for a degree will not be diminished.

Each applicant for admission must take the Scholastic Aptitude Test and, after consultation with the Admissions Office, three Achievement Tests given by the College Entrance Examination Board. Applications involving divergence from the normal procedure must be discussed in detail with the Director of Admissions. In addition, the applicant must obtain blank forms from the College, on which he must submit his school record and a certificate of character signed by his school principal. The school certificate must show satisfactory attainment in 15 units* of work.

The preparatory course must include four years of English, at least a year and a half of Algebra and one year of Geometry, and three years

* A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. A four years' secondary school curriculum should be regarded as representing not more than 16 units of work.

of a foreign language. Cases involving divergence from the requirements should be discussed with the Director of Admissions. The remaining units will be drawn from laboratory science, social science, history, and additional mathematics and language.

A candidate may offer an elective in a subject not usually listed, provided he shows proficiency which indicates an amount of study and intellectual effort commensurate with that required in other subjects. The subject chosen must have the approval of the Admissions Committee.

Information Concerning College Entrance Board Tests

The College Entrance Examination Board will hold a complete series of examinations on each of the following dates during the academic year 1950-1951:

Saturday, December 2, 1950	Saturday, March 10, 1951
Saturday, January 13, 1951	Saturday, May 19, 1951
Wednesday, August 15, 1951	

On each of the dates listed above, the schedule of tests will be as follows:

8:30 A.M.—Scholastic Aptitude Test (Verbal and Mathematical Sections)

1:45 P.M.—Achievement Tests—Candidates may take not more than three of the following:

English Composition	Advanced Mathematics
Social Studies	Biology
French Reading	Chemistry
German Reading	Intermediate Mathematics
Latin Reading	Physics
Spanish Reading	

In addition, at the March, 1951, series only, Achievement Tests in Greek Reading and Italian Reading will be offered, but only to candidates who register in advance specifically for these tests.

The schedule permits a candidate to take the morning Scholastic Aptitude Test and a maximum of three of the afternoon Achievement Tests.

Copies of the Bulletin of Information may be obtained without charge from the College Entrance Examination Board. The Bulletin contains rules regarding applications, fees, and reports; rules for the conduct of the tests, advice to candidates, descriptions of the tests, sample questions, and lists of examination centers.

Candidates should make application by mail to the College Entrance Examination Board. Students who wish to take the examinations in any of the following States, territories, or foreign areas should address their inquiries and send their applications to College Entrance Examination Board, P. O. Box 2416, Terminal Annex, Los Angeles 54, California.

Arizona	New Mexico	Territory of Hawaii
California	Oregon	Province of Alberta
Colorado	Utah	Province of British Columbia
Idaho	Washington	Republic of Mexico
Montana	Wyoming	Australia
Nevada	Territory of Alaska	Pacific Islands, including Japan and Formosa

Candidates applying for examination in any State or foreign area not given above should write to College Entrance Examination Board, P. O. Box 592, Princeton, New Jersey.

Application forms will be sent to any candidate upon request. When ordering the forms candidates must state whether they wish applications for the December, January, March, May or August tests. Application forms for the December tests will be available early in the fall; those for the January tests will be ready for distribution about November 21; forms for any other particular series will be available immediately after the preceding series has been held. A copy of the Bulletin of Information is routinely sent to every candidate requesting an application blank.

Each application submitted for registration must be accompanied by the examination fee. A detailed schedule of fees follows:

Scholastic Aptitude Test and one, two or three

Achievement Tests\$12.00

Scholastic Aptitude Test only..... 6.00

One, two or three Achievement Tests only..... 8.00

All applications and fees should reach the appropriate office of the Board not later than the dates specified below:

<i>Date of Tests</i>	<i>In the United States, Canada, the Canal Zone, Mexico, or the West Indies</i>	<i>Outside the United States, Canada, the Canal Zone, Mexico, or the West Indies</i>
December 2, 1950	November 11, 1950	October 14, 1950
January 13, 1951	December 23, 1950	November 25, 1950
March 10, 1951	February 17, 1951	January 20, 1951
May 19, 1951	April 28, 1951	March 31, 1951
August 15, 1951	July 25, 1951	June 27, 1951

Applications received after closing dates will be subject to a penalty fee of three dollars in addition to the regular fee.

Candidates are urged to send in their applications and fees as early as possible, preferably at least several weeks before the closing date, since early registration allows time to clear up possible irregularities which might otherwise delay the issue of reports. Under no circumstances will an application be accepted if it is received at either of the Board offices later than one week prior to the date of the examination. No candidate will be permitted to register with the supervisor of an examination center at any time. Only properly registered candidates, holding tickets of admission to the centers at which they present themselves, will be admitted to the tests. Requests for transfer of examination center cannot be considered unless these reach the Board offices one week prior to the date of the examination or earlier.

The Board will report the results of the tests to the institutions indicated on the candidates' applications. The colleges will, in turn, notify the candidates of the action taken upon their applications for admission. Candidates will not receive reports upon their tests from the Board.

Advanced Standing

Since Haverford offers an integrated education, admission with advanced standing is ordinarily granted only in a limited number of cases. An undergraduate who comes from an approved college must submit an official statement of his honorable dismissal, together with a full list of his accepted preparatory subjects, and a list of all his college courses, with his record therein.

In some cases the College Board Intermediate Tests for transfer students may be required.

Financial Arrangements

Rooms

ENTERING FRESHMEN are assigned the rooms available after the other classes have made their choice. It is not always possible to meet the desire of Freshmen for the cheapest rooms. The College assumes that a new student will accept any available room of approximately the same price as the room for which a preference is expressed. The choice of rooms by other students is governed by published rules.

A deposit of \$35 is required of all new students at the time they are notified of their admission. A similar deposit is required also of those students who have not been in attendance at the College during the immediately preceding semester. This amount will be deducted from the bill for the following year. If the student fails to present himself at the beginning of the semester for which he has been enrolled, the deposit will be forfeited.

Students are expected to treat College property with the same consideration as their own. A student is held financially responsible for any damage to his room, and any damage wilfully done will be sufficient reason for requesting withdrawal from the College.

Expenses

The tuition charge for all regular students is \$600 for the academic year. Tuition for special students is \$80 per course, per semester. The board is \$12.50 per week, and room rent ranges from \$132.50 to \$287.50 according to the location of the room and the number of occupants. The Unit Fee is \$55 per year. Charges are subject to alteration by the Board of Managers.

The room charges include heat, electric light, service, and the use of necessary bedroom furniture, i.e., a bureau, table, chair, study lamp, and a bed, the linen for which is furnished and laundered by the College. Students will supply their own study furniture, blankets, and towels.

The College requires that bills rendered August 15 and January 15 for the following semester's tuition, board, room, unit fee, and deposits be paid in full before the beginning of the semester.

In order to avoid last minute congestion, it is suggested that bills be paid by mail in advance. Upon receipt of payment, registration cards will be released by the Comptroller's Office to the Registrar, and students, except Freshman or transfer students, need not report at the Office of the Comptroller.

The Unit Fee includes the following: Student activities fee, laboratory fees, health fee, accident insurance (to a maximum of \$500 per accident), diploma, and psychological tests when required by the College. Students who are insured at home on a blanket accident policy, for no less than \$500 per accident, will be granted a reduction from the unit fee equal to the premium the College would pay to the insurance carrier, on condition that their personal accident policy covers all accidents without any exclusion whatsoever, and that the policy is filed with the Office of the Comptroller at the time when relief from payment of this share of the unit fee is requested.

The College requires a \$40 deposit to cover the cost of books and any other incidental charges which may arise during the school year. When the balance is \$10.00, a bill for the actual charges already made will be sent to the student, and payment is expected upon presentation of the bill, thus reinstating the deposit to the original \$40.00. If this bill, or any other indebtedness, is not paid by the end of the semester, credits will not be granted for the work performed. Any unspent balance is refunded at the end of the academic year.

Resident veterans in training under Public Law 16 or Public Law 346 will be required to pay for their tuition on the first day of each semester unless they have presented satisfactory evidence that they have complied with the appropriate regulations of the Veterans Administration.

No reduction or refund of the tuition charge will be made after the first two weeks of any semester. If a student withdraws before the completion of the first two weeks, there will be a complete refund of his tuition. In case of illness or absence for any reason from the College, for four weeks or more, there will be a prorated refund of board. In case of withdrawals at any time, there will be no reduction of room rent for the semester unless the same room is re-rented, in which case the withdrawn occupant will receive the amount paid to the College by the new occupant. The unit fee cannot be refunded for any reason.

College Responsibility

The College is not responsible for loss due to fire, theft, or any other cause. Students who wish to cover the fire risk may apply for information at the Office of the Comptroller.

Monthly Payments

Because some parents may prefer to pay tuition and other College fees in equal monthly installments during the academic year, the College is glad to offer this convenience under The Tuition Plan. The cost is 4% greater than when payment is made in cash at the beginning of each semester.

Student Loan Fund

A loan fund is available for deserving students, other than members of the Freshman Class and transfer students during their first year, who may require financial assistance during their college course.

For information apply at the Office of the Comptroller.

Student Aid

In addition to the Student Loan Fund and to scholarship help, the College offers students the opportunity to work at standard rates in the library and as clerical assistants to faculty and administrative officers of the College. Appointments are made from a list of eligible students prepared by Vice-President MacIntosh.

Scholarships

SCHOLARSHIPS are of two kinds: competitive, and those awarded on a basis of merit and individual need. No scholarship is given for more than one year.

No scholarship will be given to a student who has a failure against him at the time of application.

No scholarship will be given to a student whose previous college bill has not been paid in full.

All preliminary correspondence and applications for undergraduate scholarships for 1951-1952, together with supporting letters from parents or guardians, should be in the hands of the Vice-President before April 15, 1951.

It is assumed that requests for scholarships will not be made by those whose expenses can be met by their parents or from other sources.

I. CORPORATION SCHOLARSHIPS.—Twelve scholarships of the annual value of \$300 each are awarded, without formal application, to the four students in each of the three upper classes who have the highest average grades. Ranking is determined by their general average for the year. In the case of the Freshman class, entering in September 1950, four Corporation Scholars will be chosen after the May examinations (see page 21). Each of these men will be awarded \$50 in books, and the money formerly applied to these scholarships will go into the general scholarship funds. This change marks the beginning of a plan which in four years will place these awards in a different category from that of the past.

II. ISAIAH V. WILLIAMSON SCHOLARSHIPS.—Three scholarships, normally \$250 each, usually awarded to members of the Senior and Junior classes.

III. RICHARD T. JONES SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

IV. EDWARD YARNALL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

V. THOMAS P. COPE SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

VI. SARAH MARSHALL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

VII. MARY M. JOHNSON SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

VIII. ISAAC THORNE JOHNSON SCHOLARSHIP.—One scholarship, normally of the annual value of \$225, available for a student of Wilmington College or a member of Wilmington (Ohio) Yearly Meeting of Friends.

IX. CASPAR WISTAR MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$250, available preferably for sons of parents engaged in Christian service (including secretaries of Young Men's Christian Associations) or students desiring to prepare for similar service in America or other countries.

X. LOUIS JAQUETTE PALMER MEMORIAL SCHOLARSHIP.—This scholarship of \$200 is awarded on application, preferably to a member of the Freshman Class who, in the opinion of a committee representing the donors and the President of the College, shall give evidence of possessing the qualities of leadership and constructive interest in student and community welfare which his friends observed in Louis Jaquette Palmer of the Class of 1894.

XI. J. KENNEDY MOORHOUSE MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$300, intended for the member of the Freshman Class who shall appear best fitted to uphold at Haverford the standard of character and conduct typified by the late J. Kennedy Moorhouse of the Class of 1900—"a man modest, loyal, courageous, reverent without sanctimony; a lover of hard play and honest work; a leader in clean and joyous living."

XII. PAUL W. NEWHALL MEMORIAL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

XIII. ROBERT MARTIN ZUCKERT MEMORIAL SCHOLARSHIPS.—Two or more scholarships, normally of the annual value of \$250, preference to be given to "a native of New York or Connecticut who now resides in one of those States."

XIV. SAMUEL E. HILLES MEMORIAL SCHOLARSHIP.—One scholarship normally of the annual value of \$200.

XV. CLASS OF 1913 SCHOLARSHIP.—One scholarship, normally of the annual value of \$125, preference to be given to sons of members of

the Class of 1913 who may apply and who meet the usual requirements of the College.

XVI. ISAAC SHARPLESS SCHOLARSHIP FUND.—Founded in 1941. Scholarships open to graduates of secondary schools and undergraduates of Haverford College. Awards based upon fulfillment by applicant of requirements used in selection of Rhodes Scholars to the University of Oxford. Awards granted from list submitted to Selection Committee by the Director of Admissions, subject always to final approval by the President of the College; amount variable.

XVII. CLASS OF 1917 SCHOLARSHIP.—One scholarship, normally of the annual value of \$300, preference to be given to sons of members of the Class of 1917 who may apply and who meet the usual requirements of the College.

XVIII. THE GEOFFREY SILVER MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$500, available to a Public School graduate in this general area who may enter Haverford.

XIX. DANIEL B. SMITH SCHOLARSHIP.—One scholarship, normally of the annual value of \$200, awarded "in the discretion of the Faculty, as an annual scholarship for some young man needing financial aid in his College course. Preference is to be given to a descendent of Benjamin R. Smith, if any such should apply."

XX. SARAH TATUM HILLES MEMORIAL SCHOLARSHIP FUND.—Founded November 1, 1943, by bequest of \$75,534.58 from Joseph T. Hilles, Class of 1888, in memory of his mother, Sarah Tatum Hilles, "to provide for such number of annual scholarships of \$250 each as such income shall be sufficient to create"; to be awarded by the Managers to "needy and deserving students, and to be known as 'Sarah Tatum Hilles Memorial Scholarships.'"

XXI. ELIHU GRANT MEMORIAL SCHOLARSHIP FUND.—Two scholarships, normally of the annual value of \$300 each, established February 2, 1944, by Mrs. Elihu Grant "to commemorate the service to Haverford College of Dr. Elihu Grant, from 1917 to 1938 a member of the College Faculty. The income from this fund is applied to scholarship assistance to students in Humanistic studies, primarily those specializing in the study of Biblical Literature and Oriental subjects." In special circum-

stances the income may be utilized to assist those working for a post-graduate degree at Haverford College.

XXII. JOSEPH L. MARKLEY MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$500, awarded at the discretion of the Faculty, "on the basis of character, scholarship and financial need."

XXIII. JOSEPH C. AND ANNE N. BIRDSALL SCHOLARSHIP.—One scholarship, normally of the annual value of \$500, awarded at the discretion of the Faculty "to some student or students preparing for medicine, the selection to be based on character, scholarship and financial need."

XXIV. DANIEL E. DAVIS, JR. MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$125, awarded at the discretion of the Faculty, "on the basis of character, scholarship and financial need."

XXV. CHRISTIAN FEBIGER MEMORIAL SCHOLARSHIP.—One scholarship, normally of the annual value of \$200, established June 13, 1946, by Mrs. Madeleine Seabury Febiger in memory of her husband, Christian Febiger, of the Class of 1900. The income of this fund is applied in paying tuition and other college expenses of worthy, needy students.

XXVI. THE W. W. COMFORT FUND.—This fund, established in 1947 by the Haverford Society of Maryland, provides an annual grant of \$300. Grants from this fund are made with the understanding that the recipient shall, at an unstated time after leaving college, repay to the fund the amount which he received while an undergraduate.

XXVII. JONATHAN M. STEERE SCHOLARSHIP FUND.—Established in December 1948 by Jonathan M. Steere, of the Class of 1890. The scholarship is intended primarily for a graduate of Moses Brown School, Providence, Rhode Island, who shall be a member of the Society of Friends.

XXVIII. WILLIAM GRAHAM TYLER MEMORIAL SCHOLARSHIP.—Founded in 1949 in memory of William Graham Tyler, of the Class of 1858. Preference shall be given to students from Oskaloosa, Iowa, or from William Penn College, on the basis of character, scholarship and financial need.

Most of the scholarships listed above are permanent foundations. In addition, the alumni in various districts support regional scholarships.

Curriculum

General

HAVERFORD is a liberal arts college. Its curriculum is designed to develop in its students the capacity to learn and understand, and to make sound judgments based on knowledge and on thought. The requirements for the degree insure the exercise of these skills in each of the broad fields of human knowledge, and their subtler development in a single field of concentration.

Bachelor's Degree

Students who have received credit for the full number of courses in prescribed and elective studies, provided they have met the other requirements of the College, attained a general average of 70 or above for both the Junior and Senior years, and provided they have passed their Major examinations with a grade of 70 or above, are granted the Degree of Bachelor of Arts or Bachelor of Science. The degree normally conferred upon all candidates meeting these requirements is that of Bachelor of Arts. Upon request by the candidate and approval by the department concerned, however, the Bachelor of Science degree will be granted to men majoring in Natural Science, Mathematics, or Engineering.

Every student in full standing at Haverford College shall normally carry a program of five courses per semester for four years. The minimum full schedule of four courses will be approved by the Dean only under unusual circumstances. To graduate, a student must have completed successfully the work of forty semester-courses, and in addition three years of Physical Education or of non-academic courses. The courses may be classified as follows:

Required	2
Limited Electives (either two or four in Foreign Languages—see below)	14 or 16
Major Concentration (maximum)	12
Free Electives	10 or 12
	<hr/>
Total	40

The award of Honors for work toward the Bachelors' degree is described on pages 116, 117.

Required Courses

English 11-12 is required of all Freshmen. There are no other required courses at Haverford College.

Limited Electives

To ensure breadth of distribution, every student is required to pass a certain number of courses, as indicated in each of four groups. This requirement must be satisfied before a student can be admitted to Senior standing. Exceptions may be made by agreement between the Major Supervisor and the Dean. The requirements are as follows:

1. **FOREIGN LANGUAGES:** One full-year course in a foreign language beyond the elementary grade. For the purpose of this requirement, all first year foreign language courses, with the exception of Greek 11-12, are considered as of elementary grade.

(N.B. A single full-year language course, if included among those listed under the Humanities requirements below, will satisfy requirements in both Group 1 and Group 2.)

2. **HUMANITIES:** The requirement may be met by passing four semester courses as follows:

(a) Two semester courses from the following:

Biblical Literature 12, 13, 23.

Humanities 21-22, 31-32.

Philosophy 11, 12, 21-22, 26 (if taken in 1948-49), 28, 29H, 32.

(b) Two semester courses from the following:

Biblical Literature 11, 22.

English 22, 23, 24, 25, 26, 29, 31, 32, 34, 35, 36, 39, 40, 41-42.

French 12, 13-14, 23-24, 25-26.

German 21-22, 31, 32, 35, 36, 37 or 38.

Greek 11-12, 21-22, 29.

History of Art 21-22; Bryn Mawr 201, 203, 204, 301, 302.

Latin 13-14, 15, 16, 23, 24.

Music 11, 12, 21, 22.

Philosophy 23 or 29; 24, 26.

Spanish 21-22, 31, 32.

3. **NATURAL SCIENCES:** The requirement may be met by passing four semester courses, two each from two of the following three groups:

(a) Biological Science General Course; Biology; Psychology.

(b) Physical Science General Course; Chemistry; Physics.

(c) Astronomy; Geology (at Bryn Mawr College); Mathematics.

4. **SOCIAL SCIENCES:** The requirement may be met by passing four

semester courses selected from at least two of the following departments:
Social Science General Course; Economics; History; Political Science; Sociology.

Free Electives

A number of courses sufficient to bring the total to forty semester courses shall be chosen by the student, with the understanding that for the Freshman and Sophomore years the College reserves the right, through the Faculty Adviser and the Dean, to prevent unreasonable combinations of courses, and that in the Junior and Senior years the student will choose his free electives after consultation with his Major Supervisor.

Non-Academic Electives

Three terms of Physical Education or of non-academic subjects are required of all Freshmen, Sophomores, and Juniors. These courses must be passed in addition to the 40 semester courses of academic work required for a degree.

Major Concentration

A student may elect to major in any one of the following departments: Astronomy, Biblical Literature, Biology, Chemistry, Economics, Engineering, English, French, Geology (Bryn Mawr College), German, Greek, History, History of Art (Bryn Mawr College), Latin, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Sociology, Spanish.

Definite requirements are stated under the name of each department on pages 47-97. During the fourth semester of his attendance each student should confer with the Major Supervisor of the department in which he wishes to major, and apply to him for written approval of a program of courses for the last four semesters. Such a program must provide for the completion, by the end of the Senior year, of no fewer than twelve semester courses, or the equivalent, at least six of which must be in the Major Department and the others in closely related fields. Should the student's application be rejected by the department of his first choice, he must immediately apply in another. Failure to file with the Dean, before the date specified on the College Calendar, a copy of his Major Program signed by his Major Supervisor, will entail a fine of \$5. Any student who continues delinquent in this matter will be debarred from the final

examinations in his fourth semester. Should the student's application be rejected by all the departments to which he applies, he will not be promoted.

A student who applies for permission to become a Major in any department may be rejected *for scholastic reasons only*. The College rule on this point is:

If, at the time specified for application, the average of the grades obtained by a student in the "preliminary courses"* of any department is 75 or above, the student will be accepted by that department.

If the average of the grades obtained in these courses is below 70, the student will be accepted in that department only under exceptional circumstances.

If the average of the grades obtained in these courses is 70 or above, but below 75, the decision will be at the discretion of the Major Supervisor.

Each Senior must take a special Major comprehensive examination (written, oral, or both) during the week preceding the final examination period. The passing grade for this examination is 70. In case of failure, a candidate may, with the permission of his Major Supervisor, present himself for re-examination at a date (to be determined by the Major Supervisor) later than Commencement Day of the current year.

If the re-examination is taken one year later, during the regular period of Major examinations, there is no fee. But if the candidate applies for re-examination at an earlier date (involving the preparation of a special examination for one individual), and if the request is granted, the fee is \$25.

A student who has been formally accepted as a Major by any department has the right to remain as a Major in that department as long as he is in College. Should he wish to change from one department to another after the beginning of his fifth semester, the change can be made only with the consent of the new Major Supervisor and the Dean.

In order to allow time for preparation for the comprehensive examination, any Senior may omit, with the consent of his Major Super-

* "Preliminary courses" are any courses the student may already have taken in the department to which he is applying. If the applicant has not already taken any courses in that department, the department may name courses in other departments which are to be regarded as "preliminary."

visor, one non-Major semester course in the semester preceding his comprehensive examination. The time thus taken for preparation for the comprehensive examination shall be technically called course 100 in the student's department of concentration. Hence there will be no diminution in the total requirement of forty semester courses for the degree.

Examinations in courses in the Major subject taken in the last semester of the Senior year may be omitted at the discretion of the Major Supervisor.

Freshman Program

Although the Faculty Adviser is instructed to lay out for each Freshman a plan of study suited to his special needs, the Faculty requires that English be taken throughout the year, and recommends in all usual cases that Freshmen take one foreign language. In addition, three courses chosen from Mathematics or Natural Science, Social Science, and Philosophy make a reasonable Freshman program.

The courses open to Freshmen, in addition to the required work in English 11-12, and in Physical Education, are numbered 11 to 20 in the section on Courses of Instruction. Where the student is qualified, Freshmen may be permitted by the department concerned and by the Dean to take more advanced courses.

The Department of Psychology administers a series of standard tests to all entrants within the first few days of the first semester. The tests are used to determine which Freshmen should be recommended to take the voluntary course in Remedial Reading, which is offered each term, for no credit, to students who feel the need of establishing reading habits that will improve their comprehension and increase their speed in reading. The other tests are useful in various ways throughout the student's undergraduate course.

Preparation for Professions

A large number of Haverford College students plan, after graduation, to enter upon courses of study in preparation for professions. As a liberal arts college, Haverford arranges its curriculum in such a way that men who have such plans are acceptable applicants to professional schools. The College does not, however, attempt to anticipate in its own curriculum the work of any of the graduate schools. It is the conviction of the Faculty that the best preparation for graduate work is sound

training in basic disciplines, to which more specialized training may later be added.

Students interested in laying a firm foundation at Haverford College for later specialization are advised to consult with the Major Supervisors in the departments most closely related to their eventual professions, and to plan with them a program of courses calculated to give the best possible basis for advanced work. Men who plan to go on in the field of Engineering should consult with the Chairman of the Department of Engineering; those who are preparing for the ministry should see the Chairman of the Department of Biblical Literature. Men who plan to prepare for the Law may consult with the Dean of the College and with their Advisers, and, if they choose, also with members of the Departments of Economics, of Political Science, and of History. Men who plan to prepare in Graduate School for careers in teaching should consult early with the Major Supervisors of the departments in which they are interested, in order to plan their work to include the prerequisites for admission to Graduate School.

In consequence of the relatively large number of students who prepare at Haverford for medical school, a special Faculty Committee to advise students planning to become physicians or dentists has been set up. The Chairman of the Committee on Premedical Education is glad to consult with students who seek his advice. Every student who intends to study medicine should consult with him early in each college year.

The premedical program makes provision not only for the necessary courses in the premedical sciences but also for a sufficient number of courses in the non-science fields to ensure the student a well-balanced education. Over-specialization in science in the premedical course is not encouraged by the College nor by the medical schools. Since only 14 to 16 semester courses in the premedical sciences are needed, an ample number of courses remain to meet any special requirements of particular medical schools and the requirements of the College in limited electives, as well as to enable the student to choose a Major in accord with his scholastic interest.

A satisfactory preparation for work in medical school would involve the following courses at Haverford College: Biological Science 11, Biology 12, 21-22, Chemistry 13, 14, 23, 25, 26, and 28, Mathematics 11-12, Physics 13-14.

The premedical student must see to it that any special requirements of the medical school of his choice are met in his college program. If Amer-

ican history has not been studied in high school, it must be taken in college in order to meet a requirement of State Boards of Medical Licensure.

All candidates for admission to medical schools must take the Medical College Admission Test, conducted twice each year, in May and November, by the Educational Testing Service for the Association of American Medical Colleges. Students are advised to take the test in May of the year preceding that in which they intend to enter medical school. The November test is primarily for those who were unable to take the earlier test. The Graduate Record Examination (including one "Advanced Test") must be taken by students applying to Harvard or McGill Medical School.

Regulations

Conflicting Courses

A student is not allowed to elect conflicting courses, except with the permission of the Dean and the two instructors concerned.

Additional Courses

In general, Freshmen will be permitted to take only five courses. Sophomores and upperclassmen may take a sixth course only if they have passed five courses in the preceding semester with an average of not less than 80. Exceptions to this rule may be made at the discretion of the Dean in the case of Seniors. A fee of \$40 per semester is charged for every additional course.

Special Cases

Whenever a student gives proof of special abilities, the College is prepared to lay aside such requirements of the normal program as stand between him and the development of his gifts.

Grading of Students

In determining the standing of the student, daily recitations, papers, hour examinations, and final examinations are all considered. Reports, with numerical grades and averages, are issued at the end of each semester.

Freshmen are required to obtain a general average for the year of at least 60 for promotion to the Sophomore class; Sophomores are required to obtain a general average for the year of at least 65 for promo-

tion to the Junior class; Juniors, 70 for promotion to the Senior class; and Seniors, 70 for graduation. Students who fail to make promotion averages will normally be dropped from College.

Failures and Dropped Courses

A student who receives a grade of 50-59 (E) as his semester mark in any course is allowed to take a special examination to make up this work. The grade in the special examination will replace the grade originally earned in the mid-year or final examination of the course; the new grade will be entered on the student's transcript and the semester average will be revised accordingly.

The special examinations for courses failed at mid-years will be given immediately after spring vacation of the year in which the failure occurred. The special examinations for courses failed in June will be given in the following September. Unless the student is ill or otherwise incapable of taking the examinations at the scheduled time, there will be no other opportunity of making up the work.

The Senior who receives a course grade of 50-59 in June is permitted to take the special examination during Commencement Week. This arrangement does not, however, apply to the comprehensive examination. (See Page 35). These examinations are known as make-up examinations. They are scheduled only upon written request by the student and on the payment of the fee of \$5.00 for each examination. In the case of make-up examinations to be taken after spring vacation, which apply to courses failed at mid-year's, the request and the fee must be received at least one week before the beginning of spring vacation. In the case of make-up examinations to be taken in September, which apply to courses failed in June, the written request and the fee must be filed by August 1st. When applications are received late, it may not be possible to arrange for an examination; in any case, late applicants are subject to an additional fee of \$5.00. A student who receives a grade below 50 in any course is not permitted to take a make-up examination in that course.

A student with a grade below 50 as his semester grade, or with 50-59 as his semester grade in any course after the special examination privilege has lapsed, or after taking a make-up examination, must repeat the course if it is a required course (repeated courses are recorded and averaged in the year of repetition), or may substitute some other course if the failure is in an elective course. No course may be repeated more

than once; failure to pass a repeated required course will consequently prevent a student from obtaining his degree.

When a student drops a course, an arbitrary grade of 40 shall be recorded by the Registrar unless the instructor turns in a lower grade, except that in unusual cases, with the permission of the instructor in the course and of the Dean, a course may be dropped without a recorded grade. All recorded grades will be included in the semester average.

A course once reported to the College office shall not be removed from the student's record. In the case of failure this shall apply, even though the credit deficiency has been made up by taking an extra course in a subsequent semester, or by applying a credit previously obtained.

Any student whose record is such as to justify the belief that he is not availing himself of the opportunities offered by Haverford College may be dropped.

The Committee on Academic Standing is allowed some latitude in dealing with the student who fails to measure up to the Haverford standard of scholarship; but it usually acts adversely in extreme cases: when a student fails in several courses simultaneously, for example, or is three half-courses behind at the opening of College in September. On the other hand, the same Committee often recommends remedial training for a conscientious student who is in scholastic difficulty.

Intercollegiate Cooperation

Because of the cooperative relationship between Bryn Mawr College, Haverford College, Swarthmore College, and the University of Pennsylvania, full-time students of any of these four institutions may, upon presentation of the proper credentials, enroll for courses in another institution of the group. This does not involve the payment of additional fees, except in laboratory courses. Visiting students will be charged the same laboratory fees or deposits as in their own institution.

Students desiring to take advantage of this arrangement should secure permission from the Dean. A small committee at Haverford will consider each application. Those men whose records have been on the whole unsatisfactory at Haverford will not be permitted to take courses at other institutions. It is the student's responsibility to register in the selected course on registration day at the institution where the course is to be given. The course should also be entered on his registration card in his own institution.

Graduate students should obtain permission to take courses at other institutions from the Committee on Graduate Students. Ordinarily, the holder of a graduate fellowship will not be permitted to take more than one course in another institution for credit on his Haverford record.

Visitors and Lectures

Under a recently announced policy, the College has arranged that during every academic year each Department of the Faculty will invite a visitor to Haverford for a few days to meet with the members of the department and with men concentrating in that field of work. These departmental visitors, who will sometimes give public lectures, are expected to contribute considerably to the vitality of the work in the various departments.

The Haverford Library Lectures and the Shipley Lectures, both endowed lectureships, provide annual speakers. The endowment for the former, a gift from the estate of Mary Farnum Brown, is available "for an annual course or series of lectures before the Senior Class of the College, and other students, on the Bible, its history and literature, and as a way may open for it, upon its doctrine and its teaching." The fund for the latter was presented by Samuel R. Shipley, in memory of his father, Thomas Shipley. The income from the Shipley fund is used "for lectures on English literature." At the weekly Collection meetings of the whole College prominent visitors talk to the student body on subjects of current interest.

The Class of 1898 Lectureship was established by that class in 1948.

Current Changes

A committee of the Faculty has for several years been occupied in evaluating the College's program and suggesting improvements. As these suggested changes are accepted by the Faculty, they are put into effect. Among them have recently been included the new Limited Elective requirements, the introduction of general courses, and the non-academic courses offered in September, 1948, for the first time.

This work of the Committee is likely to result in progressive changes during the undergraduate course of students now entering Haverford. The tendency of these changes has thus far been, and will very probably continue to be, toward a heavier stress on the philosophical, evaluative, and ethical elements in liberal arts studies.

Graduate Study

Admission to Candidacy for Master's Degree

GRADUATES OF INSTITUTIONS of standing equivalent to that of Haverford College, who present satisfactory evidence of character, seriousness of purpose, and scholarly attainments, may be admitted as candidates for the degree of Master of Arts or Master of Science. The number of graduate students to be admitted each year will be determined by the administration, in view of the situation obtaining in the College and in individual departments in that year. A candidate for the graduate degree must show competence in one language besides English. Each applicant will be advised, on request, of the language requirements to be met in the particular department in which he wishes to carry out his specialized study.

Requirements

A candidate is required to pass four full-year advanced courses or their equivalent,* each with a grade of not less than 80, and to do satisfactory additional intensive work, which may take the form of a thesis or other research, equivalent to a full course. At least two of the courses and the additional intensive work must be in the special field chosen by the candidate, and the remaining courses in allied subjects. In addition, the candidate may be required, at the discretion of the professor in charge, to pass a comprehensive examination upon the field of his special study. The scope of the examination will be determined by the professor in charge, and will be communicated to the candidate when he is admitted as a graduate student. The entire plan of study must be drawn up by the candidate in consultation with the professor under whom he proposes to do the major part of his work. This plan must be submitted for approval before October 1 to the Chairman of the Committee on Graduate Students. After approval by this Committee, the program must be filed with the Registrar. In cases where a thesis is required, each candidate must deposit two copies of his thesis in the College Library by May 10.

A minimum of one year's residence is required, and a candidate, if

* In a full-year course in which credit is not granted for the work of a single semester, the course grade is the average of the two semester grades; in other cases each semester's work is a separate course, for the purposes of this requirement.

well prepared, should be able to complete his work for the degree in this time. If his preparation is inadequate, a longer period of residence may be necessary, but candidates for the Master's degree must complete the required work in not more than two academic years. Courses taken before the registration of the candidate as a graduate student at Haverford College will not usually be counted toward the degree.

Candidates who engage in any occupation or employment other than graduate study will not generally be able to satisfy the requirements for the degree in one year.

Fellowships

Five Thomas Wistar Brown Fellowships of \$1000 each are available every year primarily for members of the Society of Friends and for the graduates of other Friends' colleges in the United States. Should any of these Fellowships be unclaimed by eligible candidates from Friends' colleges, they will be open to graduates of other colleges. These Fellowships are intended for qualified men who wish to avail themselves of a year in the Quaker environment of Haverford to pursue graduate studies in the fields of religion, philosophy, sociology, history, and kindred subjects. Each candidate and his proposed schedule of study must be approved by the Committee on Graduate Students. Holders of these Fellowships may live at Haverford or, by arrangement with the Vice-President of the College, at the community of Pendle Hill, situated a few miles from Haverford.

Applications should be accompanied by the following records: a certified list of the applicant's courses and grades as an undergraduate; three letters concerning the character, personality, financial condition, and qualifications of the applicant; a copy of the catalog of the institution in which the applicant was an undergraduate; and three copies of a small photograph. Applications and other material should be in the hands of the Vice-President of Haverford College before March 1 to secure consideration for the following year.

Charges.—For charges and fees see pp. 25-27.



COURSES OF INSTRUCTION

Course Numbering

THE NUMBERING SYSTEM used in this catalog involves a two-digit number for each semester course. Courses numbered from 11 through 20 are open to Freshmen; courses numbered from 21 through 30 are open to Sophomores; courses numbered from 31 through 60 are open to Juniors; courses numbered from 61 through 80 are open only to Seniors; courses numbered from 81 through 99 are project courses open to Seniors and often also to Juniors; in each department the course in preparation for the comprehensive examination is numbered 100.

When two course numbers, followed by a single description, are joined by a hyphen, the course is a year course; credit will not normally be given for the first semester without the second. When two course numbers followed by a single description are separated by a comma, the first semester may be taken without the second, though the two are normally taken together as a year course.

Unless otherwise stated, courses with uneven numbers are given in the first semester; those with even numbers in the second.

Astronomy

THE DEPARTMENTAL WORK is designed to give students an understanding of and an interest in the universe in which they live. At all times in the course work the relation of astronomy to the other fields of learning is kept to the fore. The courses progress from the elementary, through courses requiring more mathematical and physical background, to the strictly logical and critical development of a limited problem.

Major Requirements

Astronomy 11-12, 31, 32, 81, 82, and 100.

Four courses to be chosen from Mathematics 21-22, 31, 32, 63, and Physics 13-14, 21, 32.

Three written comprehensive examinations of three hours each.

11-12. DESCRIPTIVE ASTRONOMY—*Four hours. Three class periods and one laboratory period a week.* Mr. Green.

Our knowledge of the motions, composition, organization, and evolution of the solar system, stars, and galaxies is presented, together with explanations of the methods by which this information is obtained. The laboratory work consists of visual, photographic, and spectroscopic observations of the sun, moon, planets, stars, and nebulae. These observations are treated as illustrations of the theory of optical instruments and the theory of measurement. Year course. Offered in 1951-1952.

31. ASTROPHYSICS—*Three class periods a week.* Mr. Green.

An introduction to spectroscopy and statistical mechanics leads to the study of ionic and molecular equilibria in the atmosphere of the stars, in the diffuse nebulae, and in interstellar space. Prerequisite: *Physics 13-14* and *Mathematics 21-22*; Junior or Senior standing. Semester course.

Offered annually.

32. ASTROPHYSICS—*Three class periods a week.* Mr. Green.

The transfer of radiation in stellar atmospheres and the internal constitution of the stars. Prerequisite: *Physics 13-14* and *Mathematics 21-22*; Junior or Senior standing. Semester course.

Offered annually.

81, 82. SPECIAL TOPICS IN ASTROPHYSICS—*Three class periods a week.* Mr. Green.

The content of this course may vary from year to year to suit the needs of advanced students. It may be repeated for credit. Prerequisite: Considerable maturity in Mathematics, Physics, and Astronomy, such as *Mathematics 63*, *Physics 21*, and *Astronomy 31*; Senior standing. Semester course.

Offered annually.

Biblical Literature

THE COURSES in this Department are intended to give opportunity for study of our literary, moral, and religious heritage from the cultures which flourished in the Eastern Mediterranean lands where the roots of our civilization lie.

Those courses which are specifically Biblical in content are directed toward appreciation and understanding of Old and New Testaments and Apocrypha, their history, meaning, and interpretation. These courses cover broadly the historical backgrounds, literary qualities, and enduring religious values in these works of creative genius. Course 11, a survey of the whole Bible, is recommended as properly introductory to this field, but it is not a prerequisite for election of all other courses in the Department. Courses 12, 13, and 22, somewhat more advanced, place emphasis respectively upon the growth of religious ideas, the beginnings of the Christian movement, the literary history and art of the Bible, and its influence upon English and other literatures. Most of these courses deal inevitably with the wider implications of Biblical teachings in the religious life of man and the world. Advanced research or conference courses offer opportunity for intensive work by individual students on problems of archaeological, historical, philosophical, or religious interest. Course 30 affords study of the broad background of the great early culture-centers of the Near East, where the first significant steps toward civilization were taken, many of whose achievements have come down in unbroken line into our western civilization. Finally, a course in comparative religion (Biblical Literature 23) is designed to acquaint the student with the nature and significance of religion in various cultures of our modern world.

Besides helping to orient the student in his religious thought and life, the work in this Department may serve as a broad foundation for graduate study looking toward teaching, the ministry, or other professional service.

Major Requirements

Six half-year courses in Biblical Literature, and Biblical Literature 100.

Six other half-year courses in either Biblical Literature or related departments, such as English, History, Philosophy, Psychology, Sociology.

Special study of one selected Biblical field, e.g., history, literature, the Old or New Testament.

A comprehensive examination covering the history, literature, and criticism of the Bible, and the religious and moral life of the Hebrews, Jews, and Christians.

11. INTRODUCTION TO THE BIBLE—*Three periods a week.* Mr. Flight.
Literary history of the Biblical books; problems of origins, growth, interpretation, literary and religious values. Semester course.
Offered annually.
12. DEVELOPMENT OF CHRISTIAN THOUGHT—*Three periods a week.*
Mr. Flight.
Exploration of selected problems and principles of Christian living, with reference to their backgrounds and their meaning and application to contemporary life. Prerequisite: *Biblical Literature 11, 13, or 23.* Semester course.
Offered annually.
13. THE RISE OF CHRISTIANITY—*Three periods a week.* Mr. Flight.
A study of the background, early development, and spread of the Christian movement, up to the third century, as reflected in the New Testament, particularly in the book of Acts and the letters of Paul, and in the writings of the Church Fathers. Semester course.
To be offered in 1951-52 and alternate years.
22. THE ENGLISH BIBLE—*Three periods a week.* Mr. Flight.
(Also called *English 22.*)
History and literary art of the English Bible, particularly the King James version, and its influence on English and other literature. Not open to Freshmen. Semester course.
To be offered in 1951-52 and alternate years.
23. COMPARATIVE RELIGION—*Three periods a week.* Mr. Flight
A comparative study of the great living religions, their founders, their scriptures, their characteristic ideas and ideals. Not open to Freshmen. Semester course.
Offered in 1950-51 and alternate years.
30. ANCIENT HISTORY OF THE NEAR EAST—*Three periods a week.*
Mr. Flight.
(Also called *History 30.*)
The beginnings of Western civilization in the cultures of the Near East; archaeological and historical. Not open to Freshmen. Semester course.
Offered in 1950-51 and alternate years.
- 81 or 82. SPECIAL TOPICS—ADVANCED SEMINAR—*Three periods a week.*
Mr. Flight.
Individual work to be elected by the student from one or more of the following divisions of the field: literature, archaeology, history, philosophy. Prerequisite: A grade of 85 or more in one course in the Department. Limited to six students. May be repeated for credit with change of content. Semester course.
Offered annually.

Biology

THE COURSES in Biology are planned to meet the needs of the general student, as well as those of the specialist. Since man is himself a living organism, knowledge of the generalizations derived from studies of living organisms is reasonably to be considered part of the equipment of every educated man.

The careers opening from a background of undergraduate biology courses are: (a) medicine, dentistry, and veterinary medicine, all of which require some undergraduate biology—a field of endeavor which may be termed *biological correction*; (b) positions in wild life and fish and game services, forestry, agriculture, animal husbandry—a field which may be termed *biological control*; (c) positions in museums and other research and curatorial capacities which may be termed *biological investigation*; (d) teaching.

Beginning with the basic course, Biological Science 11, sequences can be planned leading through the various other courses to advanced individual work in Botany, in Ecology, in Entomology, and in Vertebrate Zoology or Vertebrate Anatomy. Such advanced work should be elected and registered as Biology 81, 82.

Major Requirements

The minimum Major requirements consist of Biological Science 11, Biology 12, 14, 31-32 plus three other semester-courses in Biology. Any work in Biology 81, 82 is to be additional to the minimum.

Four semesters of work in at least two other fields of science, in courses to be approved by the Department after consultation.

Reading and reporting on some fifteen approved books, to be done at any time between the end of the Sophomore year and the comprehensive examination at the end of the Senior year.

Comprehensive examination, partly written and partly oral, near the end of the Senior year. The grade on this and the reported reading will be entered under the heading of Biology 100.

11. BIOLOGICAL SCIENCE 11.

(See General Courses, p. 64.)

12. GENERAL ZOOLOGY—*Four hours. Two class periods and two laboratory periods a week.* Mr. Dunn and Mr. Henry.

This is a strict course in structure and classification. The objective is a knowledge of the diversity of the animal kingdom and the methods employed in investigating and dealing with that diversity. The lectures will deal with the principles and practice of classification, the laboratory with the evidences for

the structural basis for the classification. Required of all Biology Majors and of all premedical students. Prerequisite: *Biological Science 11*. Semester course.

Offered annually.

14. BASIC BOTANY—*Three hours. Two class periods and one laboratory period a week.* Mr. Henry.

This course has been designed to extend the knowledge of general principles gained in *Biological Science 11* to the distinctive characteristics of plants. Structure, physiology, and classification are considered with particular attention to the special relationship of plants and plant activities to human welfare. Required of all Biology Majors. Prerequisite: *Biological Science 11*. Semester course.

Offered annually.

21-22. VERTEBRATE MORPHOLOGY (Anatomy and Embryology)—*One class period and two laboratory periods a week.* Mr. Dunn.

The laboratory work of this course includes the dissection of the principal types of vertebrates. The lectures deal with the development, status, and history of the organ systems of vertebrates. Prerequisite: *Biology 12*. Year course.

Offered annually.

25. ADVANCED BOTANY—*Two class periods and one laboratory period a week.* Mr. Henry.

The work of this course consists of the identification of representative flowering plants, together with the study of their taxonomy, distribution, and economic importance. The preparation of a local collection is encouraged. Prerequisite: *Biology 14*. Semester course.

Offered annually.

31-32. EVOLUTION, HEREDITY, AND OTHER GENERAL BIOLOGICAL PROBLEMS—*Three class periods a week.* Mr. Dunn.

This course is intended not only for students of Biology, but for all who wish to be informed on recent developments in the field of biology, especially students of sociology, philosophy, and history. Special emphasis is given to the modern theories of evolution and of heredity. Prerequisite: Junior standing. Year course.

To be offered in 1951-52 and alternate years.

33-34. ENTOMOLOGY—*Two class periods and one laboratory period a week.* Mr. Henry.

The lectures and reading in this course furnish a background for the study of the physiology and anatomy of insects. The value of a knowledge of insects to man is stressed in both lectures and laboratory work. The preparation of a local collection is encouraged. Prerequisite: *Biology 12*. Year course.

Offered annually.

61-62. FUNDAMENTALS OF SYSTEMATICS—*Three hours.*

Given at the Philadelphia Academy of Sciences. Open only to Seniors, with consent of the Department. Year course.

81, 82. PROJECT COURSES—*Three hours.* Mr. Dunn and Mr. Henry.

Open only by permission of the instructor.

Offered annually.

Chemistry

THE PROGRAM of courses in chemistry is planned for the purposes of sound education rather than of technical training. When taken in proper sequence they afford a developing knowledge of chemistry as a rational science. Fundamental principles are stressed but sufficient experimental and other factual material is introduced to render these principles clear and to illustrate their applicability. Emphasis is placed upon precision of observation, measurement, and statement, and upon the application of the inductive-deductive method of scientific development, with the aim of making the study of chemistry of general educational value.

A Major in chemistry who intends to undertake graduate study in Chemistry should include in his program courses 24, 31, 32, 63, 64 and 65, together with German 13-14, Mathematics 21-22, and Physics 13-14. This is in accord with the level of accomplishment recommended by the American Chemical Society, which has placed Haverford on its approved list. Course 81 or 82, giving some insight into the aims and methods of original research, is also desirable. For the courses in chemistry needed for premedical preparation, see page 37.

Students whose scholastic record prior to entrance indicates a satisfactory proficiency in elementary chemistry may enter the more advanced course, Chemistry 13, directly from high school. Others desiring work in chemistry will take Physical Science 11 and Chemistry 12 in preparation for Chemistry 13.

Major Requirements

Chemistry 13, 14, 23, 25, 26, 28 (or 31, 32), and 100.

Physics 13-14, and two additional advanced courses in Chemistry.

The comprehensive examination will cover the general field of the Chemistry courses listed above.

Majors will meet with members of the Staff for one period per week during the second semester of their Senior year for a critical discussion of the chemical principles studied in the courses and the application of these principles to modern developments in the science.

Candidates for Final Honors in Chemistry will pursue, during the Junior and Senior years, a course of reading and conference on the history of chemistry, recent advances in chemistry, and the philosophy of science. The Honors program should be arranged with the Major Supervisor at the beginning of the Junior year.

12. **ELEMENTARY CHEMISTRY**—*Four hours. Three class periods and one laboratory period a week.* Mr. Benfey.

A study of the fundamentals of chemistry, the preparation, properties, and uses of the more common elements and their compounds, and the application of general principles of chemistry to industrial processes. Prerequisite: *Physical Science 11*. Semester course.

Offered annually.

13, 14. **INORGANIC CHEMISTRY AND QUALITATIVE ANALYSIS**—*Four hours. Three class periods and one laboratory period a week.* Mr. Meldrum and Mr. Jones.

Lectures and recitations dealing with the fundamental principles of chemistry, solutions of nonelectrolytes and electrolytes, the ionic theory and its application to analytical processes and electrolytic phenomena, the periodic law, radiations, and the theories of atomic and molecular structure and their applications in chemistry. The systematic qualitative analysis of inorganic materials by the semimicro method will be emphasized in the laboratory. Prerequisite: *Chemistry 12* or High school chemistry and consent of the instructor. Semester courses.

Offered annually.

23. **QUANTITATIVE ANALYSIS**—*Four hours. Two class periods and two laboratory periods a week.* Mr. Meldrum.

Lectures and laboratory work dealing with the general principles of gravimetric, volumetric, electrolytic, and colorimetric methods of analysis. Prerequisite: *Chemistry 14*. Limited to forty students. Semester course.

Offered annually.

24. **ADVANCED QUANTITATIVE ANALYSIS**—*Three hours. One class period and two laboratory periods a week.* Mr. Meldrum.

Lectures and conferences dealing with general methods for the quantitative determination of the elements and the analysis of industrial materials. The laboratory work includes the complete quantitative analysis of certain inorganic materials. Prerequisite: *Chemistry 23*. Semester course.

Offered annually.

25, 26. **ORGANIC CHEMISTRY**—*Four hours. Three class periods and one laboratory period a week.* Mr. Meldrum and Mr. Jones.

A study of aliphatic, aromatic, and heterocyclic compounds. In the laboratory, experiments illustrating the synthesis and chemical properties of such substances are carried out. Prerequisite: *Chemistry 14*. Limited to forty students. Semester courses.

Offered annually.

28. **PREMEDICAL PHYSICAL CHEMISTRY**—*Three class periods a week.*

Mr. Benfey.

A lecture and conference course dealing particularly with those phases of physical chemistry which find application in physiology, physiological chemistry, and other medical school subjects. Among the topics emphasized are: gases and solutions, hydrogen ion concentration and pH and their measurement, reaction velocity and catalysis, enzyme action, adsorption, and colloids. Prerequisite: *Chemistry 23*. Semester course.

Offered annually.

31, 32. **PHYSICAL CHEMISTRY**—*Four hours. Three class periods and one laboratory period a week.* Mr. Cadbury.

A study of the general properties of matter, using both the kinetic and thermodynamic methods, colligative and electrolytic properties of solutions, reaction velocity and catalysis, adsorption, colloids, and the phase rule. The laboratory work involves illustrative physico-chemical measurements. Prerequisite: *Chemistry 23*, *Mathematics 21-22*, and *Physics 13-14*; Junior standing. Semester courses.

Offered annually, but omitted in 1950-1951.

62. **ADVANCED INORGANIC CHEMISTRY**—*Three class periods a week.*

Mr. Jones.

Lectures and conferences dealing with advanced phases of inorganic chemistry, such as atomic structure, modern concepts of valence, isotopes and their application in research, Werner's complexes, intermetallic compounds, and metal hydrides. Prerequisite: *Chemistry 23, 26*, and *Physics 13-14*; Senior standing or consent of the instructor. Semester course.

Offered annually. To be given in the first semester in 1950-1951.

63. **ADVANCED ORGANIC CHEMISTRY**—*Four hours. Two class periods and two laboratory periods a week.* Mr. Benfey.

A study of the principles involved in qualitative organic analysis and the application of electronic theories to selected chemical systems. The laboratory work involves the identification of organic substances by classification reactions and by the preparation of derivatives. Prerequisite: *Chemistry 26*; Senior standing or consent of the instructor. Semester course.

Offered annually.

64. **ORGANIC SYNTHESSES**—*Four hours. Two class periods and two laboratory periods a week.* Mr. Jones.

A study of stereochemistry, organo-metallic compounds, rearrangements, unsaturated systems, and special preparative reactions of organic chemistry with emphasis upon general reaction mechanisms. Special syntheses constitute the laboratory work. Prerequisite: *Chemistry 63*; Senior standing or consent of the instructor. Semester course.

Offered annually.

65. **QUANTITATIVE ANALYTICAL METHODS**—*Three hours. One class period and two laboratory periods a week.* Mr. Jones.
Lectures and laboratory work dealing with micro, semimicro, instrumental and other special methods of quantitative analysis. Prerequisite: *Chemistry 23 and 26*; Senior standing or consent of the instructor. Semester course.
Offered annually.
- 81 and 82. **CHEMICAL RESEARCH**—*Three conferences a week.* Mr. Meldrum and staff.
Open only to Senior Chemistry Majors and to Graduate students in Chemistry. May be elected as one or more courses. Prerequisite: *Chemistry 26, and 28 or 32.* May be taken in either semester; may be repeated for credit with change of content. Semester courses.
Offered annually.
84. **SPECIAL TOPICS IN THEORETICAL CHEMISTRY**—*Three conferences a week.* Mr. Meldrum.
Open only to Seniors and to Graduate students in Chemistry. Semester course.
Offered annually.

Economics

THE WORK in Economics is intended primarily to give students an understanding of the working of modern economic society, to give practice in the interpretation of economic data, to arouse an informed interest in public affairs, and to give the basis for the formation of intelligent judgments in the field of economic policy. The elementary course is designed to give the basic understanding of economic processes and of economic organization that should be part of a liberal education in the modern age. The advanced courses also are given as part of a program of liberal education, but at the same time are designed to meet the needs of men going into business or finance, or going on to graduate work in economics or business administration. Several of the advanced courses should be of special value to men planning to enter the foreign service or other fields of government work, or going into journalism or law. In the advanced courses emphasis is placed on the use of source materials and on research methods in economics, and students are given practice in the preparation of analyses and reports.

Economics is part of the larger field of the Social Sciences and has close relations with many aspects of the Natural Sciences. Men majoring in Economics are required to take Social Science 11-12 and supporting courses from Political Science, History, and Sociology and are encouraged to take the elementary course in Statistics offered by the Department of Mathematics.

Major Requirements

Economics 21-22, 31, 37, 61, 100, and three other half-year courses in Economics. Mathematics 23 (Introduction to Statistics) may be considered as one such half-year course. Economics 100 consists of selected readings on the history of economic thought and on current economic problems.

Social Science 11-12 or Sociology 21-22 and two other half-year courses in supporting fields, as approved by the departmental adviser.

A comprehensive examination which normally includes a written examination, an oral examination, and the preparation of a research memorandum.

21-22. ELEMENTARY ECONOMICS—*Three periods a week.* Mr. Teaf, Mr. Hunter, and Mr. Street.

The purpose of this course is to acquaint the student with the main features of modern economic life, and to develop an understanding of the principles underlying economic relationships. Emphasis is laid on the application of these principles to present-day problems. Prerequisite: *Social Science 11-12.* Year course.

Offered annually.

31. MONEY AND BANKING—*Three periods a week.* Mr. Street.

A study of the history and principles of money, credit, and banking, with particular reference to American conditions. Problems concerning monetary standards, commercial and central banking policy, operation of the Federal Reserve system, price movements and their effects, and monetary aspects of the business cycle are considered. Prerequisite: *Economics 21-22.* Semester course.

Offered annually.

32. CONSERVATION OF NATURAL RESOURCES—Mr. White.

(See *Geography 32.*)

34. SOCIAL SECURITY—Mr. Somers.

(See *Political Science 34.*)

35. PUBLIC FINANCE—Mr. Herndon.

(See *Political Science 35.*)

36. LABOR ECONOMICS AND LABOR RELATIONS—*Three periods a week.* Mr. Teaf.

(Also called *Sociology 36.*)

A study of the fundamentals of the employer-employee relationship, such as wages, hours, security; the functioning of labor organizations and government; the purposes and methods of collective bargaining. Special emphasis is placed on methods of resolving industrial conflict. Prerequisite: *Economics 21-22.* Semester course.

Offered annually.

37. ACCOUNTING—*Three periods a week.* Mr. Teaf.

The balance sheet and statement of profit and loss; the classification of

accounts; the theory of debit and credit; the books of original entry and of record; opening and closing the books; corporation accounts, reserves, etc. Discussion is accompanied by practice problems. Emphasis is placed upon the bearing of accounting theory and practice upon economic theory and current economic problems. This course is intended to provide an understanding of accounting sufficient for students going into the professions as well as a foundation for advanced accounting courses for those who will go into business. Prerequisite: *Economics 21-22*. Semester course.

Offered annually.

38. THE CORPORATION—*Three periods a week*. Mr. Hunter.

Economic functions and legal responsibilities of the corporation and its members; types of securities; general financial policy; the distribution of securities; expansion, combination, and reorganization. Social and political problems created by the growth of corporations are given special attention. Prerequisite: *Economics 37*. Semester course.

Offered annually.

39. GOVERNMENT AND BUSINESS—*Three periods a week*. Mr. Hunter.
(Also called *Political Science 39*.)

A study of the economic basis, the historical development, and the present problems of the regulation of business organization and policies by government. Special attention is given to such topics as the trust movement, anti-trust legislation, the Federal Trade Commission, competitive practices, cartels and trade associations. Prerequisite: *Economics 21-22*. Semester course.

Offered annually.

40. THE SOVIET ECONOMY—*Three periods a week*. Mr. Hunter.

An analysis of the changing structure of the economy of the U.S.S.R., after brief treatment of the pre-Revolutionary economy. Topics examined: the process of industrialization; the political, social, and economic revolution in agriculture; eastward expansion of the economy; political, social, and economic problems of a planned economy. Prerequisite: *Economics 21-22*. Semester course.

Offered in 1950-51.

53-54. INTERNATIONAL RELATIONS: ECONOMIC AND POLITICAL—
Three periods a week. Mr. Street and Mr. Haviland.

(Also called *Political Science 53-54*.)

An examination of the major factors which affect international relations with special emphasis on the political and economic elements. The first semester's work will deal with the general environment and instruments of international relations including the principles and practices of international trade and investment. The second semester's work will involve intensive study, through case studies, of major modern problems in international relations. Prerequisite: *Economics 21-22* or *Political Science 22* or *24*. Year course.

Offered annually.

61. NATIONAL INCOME AND INVESTMENT—*Three hours a week.*
Mr. Hunter.
A study of the meaning of national income and the methods of measuring it; its distribution in the United States; the economic effects of the allocation of national income as between consumption, investment, and hoarding; the significance of investment in the modern economy; the effects of governmental policy on the level of national income. Intended primarily for Economics Majors, but open also to qualified students from other departments. Prerequisite: *Economics 31*; Senior standing. Seminar. Semester course. Offered annually.
62. SEMINAR IN ECONOMIC PROBLEMS—*Three hours a week.* Mr. Teaf.
This seminar will deal with an economic problem of current importance, with emphasis on the relation between economic analysis and the formulation of public policy.
The subject of the course may shift from year to year, or the same topic may be continued for several years, depending on developments in world economic affairs. In case of a shift in the subject matter of the course, it may be repeated for credit. Prerequisite: *Economics 21-22*. Semester course.
Subject, 1950-51: *Economic Factors in Social Development*.
Offered annually.

Engineering

THE OBJECTIVE of the Engineering Department of Haverford College is to prepare students in the fundamentals of engineering by giving them training in the sciences and engineering, together with a broad liberal arts background under the influence of the philosophical and religious atmosphere available to all Haverford students.

Students not intending to enter the highly specialized fields of design and research will find the Haverford course ample for their needs. Graduates of Haverford who have majored in engineering are admitted to the student-engineers' courses of the leading industrial companies on equal terms with graduates of the larger engineering colleges. Those who desire more specialized training before entering the active work of the profession are granted substantial credit toward advanced standing in technical institutions or are admitted to their graduate schools.

Engineering 33 and 34 may be counted as courses in Physics for the purpose of satisfying any curricular requirements.

Major Requirements

Engineering 11, 12, 21, 22, 31, 32, 33, 34, Engineering Seminar (a two-year, non-credit requirement), Comprehensive Examination (Course 100), Mathematics 21-22, Physics 13-14, and two half-year courses in Chemistry.

Courses in Mathematics, Physics and Chemistry will be considered preliminary courses as defined on page 35.

11. PRINCIPLES OF ENGINEERING DRAWING AND SHOP METHODS—

Three laboratory periods a week. Mr. Hetzel and Mr. Wilson.

Lettering, projection, perspective, sketching, conventions, detail and assembly drawings. Exercises in machine-tool work. Inspection trips. Text: Giesecke, Mitchell & Spencer, *Technical Drawing and Technical Drawing Problems*. Semester course.

Offered annually.

12. ENGINEERING DRAWING, SURVEYING, AND SHOP METHODS—

Three laboratory periods a week. Mr. Hetzel, Mr. Holmes, and Mr. Wilson.

Additional work on detail and assembly drawings. Exercises in machine-tool work. Two periods per week for the last eight weeks in the spring are spent on Plane Surveying. Lectures by outside specialists in the various branches of engineering will be arranged for orientation purposes. Inspection trips. Prerequisite: *Engineering 11*. Semester course.

Offered annually.

21. KINEMATICS OF MACHINES—*One class period and two laboratory periods a week.* Mr. Holmes.

Velocity and acceleration analysis of mechanisms; cams, belts, chains, gears, etc. Inspection trips. Text: Keown and Faires, *Mechanism*, and Hall and Azpell, *Mechanism Problems*. Prerequisite: *Engineering 11* or consent of the instructor. Semester course.

Offered annually.

22. ANALYTICAL MECHANICS—*Three class periods a week.* Mr. Holmes.

A study of forces and moments of forces; determination of forces in trusses and cranes: centroids and center of gravity; rectilinear and curvilinear motion; translation and rotation of bodies; work, power, and energy; impulse and momentum; balancing and moments of inertia. Text: Seely and Ensign, *Analytical Mechanics for Engineers*. Prerequisite or parallel course: *Mathematics 21-22*. Semester course.

Offered annually.

31. THERMODYNAMICS—*Three class periods a week and occasional laboratory periods.* Mr. Holmes.

Energy, gas laws, vapors; mixtures of gases and vapors; theoretical and actual thermodynamic cycles for power and refrigeration. Text: Doolittle and Zerban, *Engineering Thermodynamics*. Not open to Freshmen and Sophomores. Prerequisite: *Physics 13-14*. Semester course.

Offered annually.

32. MECHANICS OF MATERIALS—*Two class periods and one laboratory period a week.* Mr. Holmes.

A study of stress and strain, beams and columns, shafting, girders, combined stresses, etc. Inspection trips. Text: Laurson and Cox, *Mechanics of Materials*. Prerequisite: *Mathematics 21-22* and *Engineering 22*. Semester course. Offered annually.

33. ELEMENTS OF ELECTRICAL ENGINEERING—*Four hours. Three class periods and one laboratory period a week.* Mr. Benham, Mr. Hetzel, and Mr. Wilson.

Direct current circuits and machinery. The course includes electromagnetism, induced electromotive force, electric and magnetic fields, direct current motors and generators, commutation, armature reaction, parallel operation of generators, and the systems for distributing direct current. Prerequisite: *Physics 13-14*, *Mathematics 21-22*. Given jointly with *Physics 33*. Semester course. Offered annually.

34. ELEMENTS OF ELECTRICAL ENGINEERING—*Four hours. Three class periods and one laboratory period a week.* Mr. Benham, Mr. Hetzel, and Mr. Wilson.

Alternating current circuits and machinery. Single phase and polyphase circuits, transformers, induction motors, generators, synchronous motors, single phase motors; transmission and distribution of alternating current; illumination. Prerequisite: *Engineering 33*. Semester course. Offered annually.

81, 82. SPECIAL PROJECTS.

Required of candidates for High and Highest Honors in Engineering but open to all students with the necessary prerequisites after consultation with the instructor. Students in Engineering are encouraged to do individual work in some special field of investigation.

The following fields of study are suggested:

FLUID MECHANICS. Mr. Holmes.

Prerequisite: *Mathematics 21-22* and *Physics 13-14*.

DESIGN OF MACHINE ELEMENTS. Mr. Holmes.

Prerequisites: *Mathematics 21-22*, *Engineering 22*.

INTERNAL COMBUSTION ENGINES. Mr. Hetzel.

Prerequisite: *Physics 13-14*.

Offered annually.

English Language and Literature

THE DEPARTMENT believes it essential to insure that all undergraduates should be able to use the English language efficiently. Freshmen, therefore, are required to prove their ability in this respect.

It believes, further, that the departmental curriculum must provide a general cultural background for those students whose interests are

chiefly in the sciences or social sciences. It offers, therefore, intermediate courses in English and American literature and in composition. See, for example, 23, 24, 25, 26, 27, and 41-42.

It believes, finally, that courses must be provided for students who intend to specialize in English, and perhaps do graduate work in literature or related fields. It offers, therefore, advanced courses designed both in content and method to supplement the elementary and intermediate courses and to prepare for graduate work.

The Department recognizes that these purposes cannot be rigidly differentiated, and it has no intention that they should be. Considerable freedom of selection is possible for the individual student after appropriate consultation.

Individual projects under Faculty supervision occupy about one-third of the study time in most of the English courses, and the entire study time in English 37 and English 61.

The attention of slow readers is called to the remedial work in reading offered by the Department of Psychology.

English 11-12, or its equivalent, is a prerequisite to all other courses in the Department.

Major Requirements

For each student an individual program equivalent to six two-semester courses, planned to suit his special interests but always stressing Elizabethan literature and nineteenth-century poetry and prose. The courses will in a few cases be entirely in the field of English, but more often they will include work in related fields. Students who contemplate graduate study for the degree of Ph.D. in English must necessarily include Latin, French, and German. English courses always required are: 23, 31, 32, 34, 61, 62, and 63.

The comprehensive examination (never more than nine hours) is flexible enough to fit each of the several programs.

A student who wishes to work for Final Honors in English should apply to the Chairman of the Department during the first semester of his Junior year.

11-12. READING AND WRITING, with PUBLIC SPEAKING—*Three periods a week with an added period of Public Speaking for one semester.* Mr. Sargent, Mr. Lester, Mr. Ashmead, Mr. Booth, Mr. Warren, Mr. Wishmeyer. Public Speaking in charge of Mr. Snyder and Mr. Wrenn.

Readings in the Humanities, centered on Areas of Concern for values in Western Civilization. Weekly writing, based on reading program. Two class meetings and one tutorial meeting weekly. One semester Public Speaking. Year course.

22. THE ENGLISH BIBLE—Mr. Flight.
(See *Biblical Literature* 22.)
23. SHAKESPEARE—*Three Periods a week.* Mr. Sargent.
Reading and study of twelve plays, with emphasis on features of general and popular interest. Prerequisite: Sophomore standing. Semester course.
Offered annually.
24. CONTEMPORARY DRAMA—*Three periods a week.* Mr. Snyder and Mr. Warren.
A study of the techniques and practice of the modern drama, as illustrated in the works of Ibsen and the best modern dramatists of England and America. Prerequisite: Sophomore standing. Semester course.
Offered annually.
25. AMERICAN LITERATURE TO THE CIVIL WAR—*Three periods a week.* Mr. Snyder and Mr. Warren.
Prerequisite: Sophomore standing. Semester course.
Offered annually.
26. AMERICAN LITERATURE 1860-1900—*Three periods a week.* Mr. Snyder.
Prerequisite: Sophomore standing. Semester course.
Offered annually.
27. INTERMEDIATE COMPOSITION AND ORAL DISCUSSION—*Three periods a week.* Mr. Snyder.
Practice in expository writing and in the techniques of public discussion. Limited to twelve students. Semester course.
Offered annually.
29. GREEK LITERATURE IN ENGLISH—Mr. Post.
(See *Greek* 29.)
31. NINETEENTH-CENTURY POETRY—*Three periods a week.* Mr. Snyder.
A study of six poets: Coleridge, Wordsworth, Shelley, Byron, Keats, and Tennyson. Lectures and classroom discussions. Prerequisites: Junior standing. Semester course.
Offered annually.
32. NINETEENTH-CENTURY PROSE—*Three periods a week.* Mr. Lester.
Lectures, discussions, and reading. Prerequisite: Junior standing. Semester course.
Offered annually.
34. ELIZABETHAN LITERATURE—*Three periods a week.* Mr. Sargent.
Chief writers of the English Renaissance, omitting Shakespeare. Prerequisite: *English* 23. Semester course.
Offered annually.

35. EIGHTEENTH-CENTURY LITERATURE—*Three periods a week.*
Mr. Ashmead.
Novel and Drama. Prerequisite: Junior standing. Semester course.
Not offered in 1950-51.
36. EIGHTEENTH-CENTURY LITERATURE—*Three periods a week.*
Mr. Ashmead.
Dr. Johnson and his Club (*Boswell's Life of Johnson*); the chief poets: Pope, Gray, and Burns; *Ossian*. Prerequisite: *English 35*; Junior standing. Semester course.
Not offered in 1950-51.
37. CREATIVE WRITING—*Three periods a week.* Mr. Sargent.
Practice in writing imaginative literature. Chiefly confined to prose fiction. Regular assignments, class discussion, and personal conferences. Prerequisite: Junior standing. Semester course.
Offered annually.
40. BRITISH AND AMERICAN LITERATURE OF THE TWENTIETH CENTURY—*Three periods a week.* Mr. Sargent.
Fiction and verse by selected writers from Conrad and Crane to Auden and Hemingway. Prerequisite: Two semester courses in English beyond the Freshman year. Semester course.
Offered annually.
- 41-42. GENERAL COURSE IN ENGLISH LITERATURE—*Three hours a week.* Mr. Ashmead.
A study of ten to twelve major works in the field of English and American literature (e.g. Chaucer's *Troilus and Criseyde*, Milton's *Paradise Lost*, Boswell's *Life of Johnson*, Joyce's *Ulysses*, Eliot's *Waste Land*) for full understanding, as examples of significant experience and points of view. Prerequisite: Junior standing. (*Humanities 21-22* is advised, though not required, as a prerequisite). Year course.
Offered in 1950-51.
61. SPECIAL TOPICS IN NINETEENTH-CENTURY LITERATURE—*Three hours a week.* Mr. Lester.
Studies in the development of nineteenth-century thought as expressed in English literature. Seminar reports and discussions; each student submits three critical essays. Required of all English Majors. Prerequisite: *English 32* and consent of the instructor. Seminar. Semester course.
Offered annually.
62. SPECIAL TOPICS IN POETRY—*Three hours a week.* Mr. Snyder.
Browning's Poems. Also treatises on poetic theory from Aristotle to Whitman. Prerequisite: *English 31* and consent of the instructor. Required of all English Majors. Seminar. Semester course.
Offered annually.

63. TOPICS IN SHAKESPEARE—*Three hours a week.* Mr. Sargent.

Advanced study of plays not read in *English 23*. Attention to the intellectual, social, and literary background of Shakespeare. Some introduction to literary scholarship. Three reports and one piece of original investigation. Required of all English Majors. Prerequisite: *English 23* and *34*, and consent of the instructor. Seminar. Semester course.

Offered annually.

The following courses are given at Bryn Mawr College:

201. ENGLISH LITERATURE OF THE MIDDLE AGES—*Three hours a week.* Mr. Herben.

The emphasis is upon Chaucer and his contemporaries. Sufficient instruction is given in Middle English to enable the student to read ordinary texts. Year course.

Offered annually.

210a. PLAYWRITING AND PRODUCTION—*Three hours a week.* Mr. Thon.

Writing of two original one-act plays. Production of selected scripts and training in theatre arts. Not open to Freshmen. Semester course.

Offered annually.

210b. ADVANCED PLAYWRITING AND PRODUCTION—*Three hours a week.* Mr. Thon.

Writing of a full-length play and preparation of its production book. Prerequisite: *English 210a* and consent of the instructor. Not open to Freshmen. Semester course.

Offered annually.

General Courses

BIOLOGICAL SCIENCE 11. GENERAL PRINCIPLES OF BIOLOGICAL SCIENCE—*Four hours. Three class periods and one laboratory period a week.* Mr. Dunn and Mr. Henry.

The object of this course is to impart to the student some knowledge and appreciation of the generalizations which have resulted from the study of living organisms. An outline of these generalizations and of their historical origin will be given in the lectures of the course. The discussion group periods will be utilized for clarification and testing. In the laboratory period opportunity will be afforded to utilize those methods of study, and to verify those generalizations which can be brought into the confines of a college laboratory. Limited to ninety-six students. Semester course.

Offered annually.

HUMANITIES 21-22. INTERPRETATION OF LIFE IN WESTERN LITERATURE—*Three periods a week.* Mr. Gutwirth.

Study in their entirety of selected literary works which are great imaginative

presentations of attitudes toward life. Prerequisite: *English 11-12*; Sophomore standing. Year course.

Offered annually.

HUMANITIES 31, 32. CULTURE OF THE FAR EAST—*Three hours a week.*
Mr. Post.

This course is designed to introduce students to the life and literature of the Far East, through the use of translations, and to develop their mastery of a major field and of expository writing. G. Nye Steiger, *A History of the Far East*, is recommended for supplementary reading. Essays, weekly or biweekly, for discussion at individual meetings with the instructor. It may be taken as one or two half-courses in either half-year by a limited number of students who will be admitted only after a personal interview and only if there is still room for them when they apply to the instructor. Prerequisite: Junior standing. Limited to six students. Seminar. Semester course.

Offered annually.

PHYSICAL SCIENCE 11, 12. GENERAL PHYSICAL SCIENCE—*Four hours.*
Three class periods and one laboratory or discussion period a week.
Mr. Green.

This course is concerned with the nature and presuppositions of scientific method, the status of present-day physical science, and the relationship of science to the rest of our culture. It tries to illuminate these subjects by a study of some aspects of the development of our knowledge of mechanics, the properties of matter, electricity and light, and the structure of atoms. Semester courses.

Offered annually.

SOCIAL SCIENCE 11-12. GENERAL COURSE IN SOCIAL SCIENCE—*Three periods a week.* Mr. Street, Mr. Reid, and Mr. Roche.

The purpose of this course is to acquaint the student with the appropriate techniques of the social sciences and to stimulate thinking about significant social issues. Major importance is attached to the analysis of specific evidence in the social sciences and its significance for an understanding of social behavior. The first semester is devoted to inquiry into the factors which shape human nature and social institutions. This inquiry forms the basis for the development of informed judgments on contemporary social issues to be analyzed in the second semester. Year course.

Offered annually.

Geography

32. CONSERVATION OF NATURAL RESOURCES—*Three periods a week.*
Mr. White.

Analysis of the basic principles of conservation of land, water, and mineral resources as they relate to social policy. Field study in selected areas. Prerequisite: *Economics 22* or *Sociology 33* or *Political Science 22*. Semester course.

Offered annually.

German

THE MAIN OBJECTIVE of German study is the acquisition of the language as a means of access to the civilization of which it is the medium. The courses are planned and conducted with the aim of enabling the individual student to fulfill most effectively his prospective needs. Hence provision is made for acquiring a practical speaking knowledge of the language as well as the ability to read it for postgraduate research, for which in many fields it is indispensable, and for an appreciation of German literature.

German 11-12, 13-14, 15-16, and 23 are primarily language courses. The remaining courses are devoted largely to the history of German literature from the earliest times to the present, and to the intensive study of special periods and eminent authors.

The collateral reading required in German 13-14 and German 15-16 is in literary or scientific works, as the student chooses.

Opportunity is given to students who complete German 11-12 or German 13-14 with distinction to advance rapidly into higher courses by passing a special examination on a prescribed program of collateral reading. A plan is in effect by which students may obtain credit on the reading course either for German 13-14 or for German 15-16.

It is possible and in some cases highly desirable for a Major in German to take his Junior year abroad in one of the supervised intercollegiate Junior Year programs.

Major Requirements

German 15-16, and 21-22, 23, 31, 32, 35, 36, and 100.

Supporting courses to be arranged in conference with the Major Supervisor.

A comprehensive examination covering: 1. The German language; 2. History of the German language; 3. German literature; 4. German history, 1517-1914; and 5. A special period, literary movement, or author.

11-12. **ELEMENTARY GERMAN**—*Three periods a week.* Mr. Kelly, Mr. Pfund, and Mr. Steer.

Grammar, conversation, and the reading of simple texts. Year course.

Offered annually.

13-14. **INTERMEDIATE GERMAN**—*Three periods a week.* Mr. Kelly, Mr. Pfund, and Mr. Steer.

Texts of moderate difficulty are read both in class and as outside work. Composition and conversation. Prerequisite: *German 11-12* or the equivalent. Year course.

Offered annually.

- 15-16. **ADVANCED GERMAN**—*Three periods a week.* Mr. Pfund.
 Reading of standard works of German literature. Composition and conversation. Prerequisite: *German 13-14* or the equivalent. Year course.
 Offered annually.
- 21-22. **LESSING, GOETHE, SCHILLER**—*Three hours a week.* Mr. Kelly.
 Prerequisite: *German 15-16* or the equivalent. Seminar. Year course.
 Offered annually.
23. **ADVANCED COMPOSITION AND CONVERSATION**—*Three periods a week.* Mr. Pfund.
 Readings in modern German literature, including works of contemporary writers, make up the subject matter of this course. Its objective is, accordingly, literary as well as linguistic. Prerequisite: *German 15-16* or the equivalent. Semester course.
 Offered annually.
31. **GERMAN ROMANTICISM**—*Three hours a week.* Mr. Kelly.
 A study of the Romantic movement in Germany and its relations to English and French Romanticism. Prerequisite: *German 15-16* or the equivalent. Seminar in part. Semester course.
 To be offered in 1951-52 and alternate years.
32. **THE GERMAN DRAMA OF THE NINETEENTH CENTURY**—*Three periods a week.* Mr. Kelly.
 Prerequisite: *German 15-16* or the equivalent.
 To be offered in 1951-52 and alternate years.
35. **HISTORY OF GERMAN LITERATURE FROM ITS ORIGINS TO THE SEVENTEENTH CENTURY**—*Three periods a week.* Mr. Pfund.
 Lectures in German, with collateral reading in modern German. Translation, discussion, written and oral reports. Prerequisite: *German 15-16* or the equivalent. Semester course.
 Offered in 1950-51 and alternate years.
36. **HISTORY OF GERMAN LITERATURE FROM THE SEVENTEENTH CENTURY TO THE PRESENT**—*Three periods a week.* Mr. Pfund.
 A survey course with lectures in German. Collateral reading, discussions, written and oral reports. Prerequisite: *German 15-16* or the equivalent. Semester course.
 Offered in 1950-51 and alternate years.
- 37 or 38. **SEMINAR COURSES**—*Three hours a week.*
 Prerequisite: At least one course beyond *German 15-16*. Semester course.
FAUST—Mr. Pfund.
 An intensive study of Goethe's *Faust* in the original. Consideration is given to kindred works in European literature.
 Offered in 1950-51 and alternate years.

RICHARD WAGNER—Mr. Kelly.

A study of Wagner's music dramas and theoretical writings, with special reference to their place in the history of ideas.

To be offered in 1951-52 and alternate years.

GERMAN LYRIC POETRY—Mr. Pfund.

Not offered in 1950-51.

81 or 82. *Three hours a week.* Mr. Kelly and Mr. Pfund.

Individual work in various fields of German culture. Prerequisite: Satisfactory completion of at least one course in the Department beyond *German 15-16*. May be repeated for credit with change of content. Semester course.

Offered annually.

Greek

THE WORK in Greek can be modified to suit the needs of individual students. The elementary course provides some insight into the culture of the ancient Greeks, and into linguistic problems generally, besides leading to a knowledge of Greek adequate for the reading of the Gospels and of easy classical authors. More advanced courses are intended for students with an interest in history, philosophy, or literature; the authors read are studied for their value in these fields. Students are encouraged, to the extent of their capacity, to develop an imaginative understanding of art, philosophy, and science as forces in human life. The special contribution of the Greeks in these fields will be assessed and its significance in European history and in current education will be noted. A knowledge of Greek is a great asset in many fields of graduate study.

Major Requirements

Greek 31, 32, and four half-year courses selected in consultation with the Major Supervisor; Greek 100.

Three additional courses to be arranged in conference with the Major Supervisor.

If Greek 21, 22 is not taken in college, an additional half-course will be required.

A comprehensive examination on Greek language and literature, Greek history, and Greek civilization.

11-12. ELEMENTARY GREEK—*Three periods a week.* Mr. Post.

Thorough study of the elements of the language followed by the reading of simple prose. This course should be taken in the Freshman year, if possible. Year course.

Offered annually.

- 21, 22. INTERMEDIATE GREEK—*Three periods a week.* Mr. Post.
A rapid reading course in such authors as Homer, Euripides and Plato.
Prerequisite: *Greek 11-12* or the equivalent. Semester courses.
Offered annually.
29. GREEK LITERATURE IN ENGLISH—*Three periods a week.* Mr. Post.
(Also called *English 29.*)
Lectures on Greek literature. Reading of Greek poetry, drama, and literary criticism in translation. Essays and discussions. No knowledge of Greek is required in this course, but a general acquaintance with English literature is essential. Prerequisite: Sophomore standing. Semester course.
Offered annually.
- 31, 32. ADVANCED GREEK—*Three periods a week.* Mr. Post.
Selections from Thucydides, Menander, Aristophanes, and the tragedians are read. Prerequisite: *Greek 21, 22.* Semester courses.
Offered annually.
- 61, 62. ADVANCED GREEK—*Three periods a week.* Mr. Post.
The instructor will arrange with students electing this course a systematic study of special subjects in Greek philosophy, history, literature, or composition in connection with the reading of Greek authors. May be repeated for credit with change of content. Prerequisite: *Greek 31, 32.* Semester courses.
Offered annually.

History

THE COURSES IN HISTORY are designed to give some conception of the development of the civilizations which exist in Europe and in the United States today. Since history is the story of what men have done, it is related to every other field in the curriculum, but the limitation of time forces a selection of those aspects of human activity which can be treated in any course. In all courses except History 33-34 an attempt is made to give a reasonably rounded view of those developments which are deemed most important in the period under consideration as a background for understanding other subjects in the fields of the humanities and the social sciences. With a variation of emphasis in each course, caused in part by the nature of the growth of civilization in the period and in part by the amount and the kind of historical evidence which has survived from the period, attention is given to such phases of development as the political, constitutional, social, economic, religious, and intellectual. History 11-12 is intended to be an introductory course by the nature of the subject, which is closely related both to European and to

American history, and by the practice given in organizing historical material and weighing its value. It is not, however, a prerequisite for the election of any other course in the Department.

The study of history provides a background against which current problems of internal and external policies may be viewed to advantage. It also helps to develop critical standards for the evaluation of evidence which can often be applied in forming opinion with regard to the solution of such problems. Finally, it is useful as a foundation for professional studies not only in history but also in such subjects as public administration, journalism, and law.

Major Requirements

Four full-year courses (or three full-year courses and two half-year courses) in History, other than History 11-12; History 100.

Two full-year courses or their equivalent in related departments.

Four written examinations of three hours each.

11-12. ENGLISH HISTORY—*Three periods a week.* Mr. Lunt.

A survey of political, constitutional, economic, and social history, intended as an introductory course. Open to Freshmen and Sophomores. Year course.

Offered annually.

21-22. FOUNDATIONS OF THE UNITED STATES, 1492-1865—*Three periods a week.* Mr. Bronner.

Lectures, reading, and discussion in American colonial and early national history. Not open to Freshmen. Year course.

Offered annually.

23-24. MEDIEVAL HISTORY—*Three periods a week.* Mr. Lunt.

A survey of the history of Europe from the time of the barbarian invasions to about 1500. Elective for Sophomores who have had *History 11-12*, and for Juniors and Seniors without prerequisite. Year course.

To be offered in 1951-52 and alternate years.

25-26. MODERN EUROPEAN HISTORY—*Three periods a week.* Mr. Lunt.

A survey of the history of Europe from about 1500. Elective for Sophomores who have had *History 11-12*, and for Juniors and Seniors without prerequisite. Year course.

Offered in 1950-51 and alternate years.

27. GREEK HISTORY—*Three periods a week.* Mr. Comfort.

A survey of Greek history, with frequent reports on the art, archaeology, and political institutions of Greece. A knowledge of Greek is not required. Not open to Freshmen. Semester course.

To be offered in 1951-52 and alternate years.

28. SURVEY OF ROMAN PROBLEMS—*Three periods a week.* Mr. Comfort.
(See *Latin 28.*)
30. ANCIENT HISTORY OF THE NEAR EAST—*Three periods a week.*
Mr. Flight.
(See *Biblical Literature 30.*)
- 31-32. NATIONAL DEVELOPMENT OF THE UNITED STATES, 1865 TO
THE PRESENT—*Three periods a week.* Mr. Bronner.
A study of institutional growth, with the larger social and political issues of
the present considered in their historical setting. A lecture, reading, and dis-
cussion course, intended primarily for Juniors and Seniors. Year course.
Offered annually.
- 33-34. ENGLISH CONSTITUTIONAL HISTORY—*Three periods a week.*
Mr. Lunt.
A study of the formation and growth of English institutions, designed to be
useful particularly to those who are interested in government and law. Open
to Juniors and Seniors. Year course.
Offered in 1950-51 and alternate years.

History of Art

UNDER the co-operative arrangement between the Colleges, Haverford students who wish to take advanced courses in History of Art may do so at Bryn Mawr College. The introductory course is given at Haverford.

Major Requirements

Students majoring in History of Art are required to take four full courses (or the equivalent): the first year course, one of the second year courses, and two other courses, one of which shall be considered as an advanced course.

Allied subjects: English, French, German, History, Music, Philosophy.

The final examination for students majoring in History of Art consists of three parts of three hours each:

1. An examination conducted with slides and/or photographs testing the student's ability to identify important monuments and to analyze stylistic and iconographic elements within the field of major concentration.
2. A written examination on fundamental problems of style, evolution and cultural relationships in art. This examination will be based primarily on the first year introductory course.
3. A detailed examination on one of the following fields chosen from the broader field of major concentration:
 - a. Early Medieval Art
 - b. Gothic Art

- c. Art of the Northern Renaissance
- d. Italian Art after 1300
- e. Art of the Seventeenth and Eighteenth Centuries
- f. Modern Art (after 1800)
- g. Art of the Far East

21-22. INTRODUCTION TO THE HISTORY OF ART (Given at Haverford College)—*Three periods a week.* Mr. Bernheimer.

This course deals with the history of Western art from its beginning in ancient Greece to modern times, with emphasis upon the Christian periods. It is conceived as a history of human values in terms of the visual forms in which they have been cast. The course parallels *Humanities 21-22*. In order to bring out the human significance of art, religious and philosophical ideas are discussed as they influenced the form and subject matter of art.

An introductory section deals with aesthetic principles and their application in the fields of painting, sculpture, and architecture. The purpose of the course is threefold: to widen the student's comprehension of past attitudes and beliefs so that he will be better able to understand his own; to enlarge his range of aesthetic appreciation; and to give him the technical knowledge required for further studies in the history of art. Not open to Freshmen. Year course.

Offered annually.

The following courses are given at Bryn Mawr College:

201. ITALIAN ART—*Three periods a week.* Mr. Sloane.

The arts of Italy from the thirteenth century to the end of the fifteenth century are discussed in the first semester. The second semester covers the later phases of Italian art with some consideration of its influence on the baroque in Spain and Germany. Year course.

Offered annually.

202. MEDIEVAL ART—*Three periods a week.* Mr. Soper and Mr. Bernheimer.

The first semester covers the early medieval period, the second semester the Romanesque and Gothic. Year course.

Offered in 1950-51 and alternate years.

203a. NORTHERN RENAISSANCE ART—*Three periods a week.* Mr. Soper.

From the beginning of the fifteenth century through Breughel.

To be offered in 1951-52.

204b. NORTHERN BAROQUE ART—*Three periods a week.* Mr. Sloane.

From the late sixteenth century to the classic revival in the eighteenth century.

To be offered in 1951-52.

301 ART OF THE FAR EAST—*Three periods a week.* Mr. Soper.

Chinese and Japanese art from the earliest dynasties to the present, including a survey of Indian art as an introduction to Buddhism in the Far East. Year course.

Offered annually.

302. MODERN ART—*Three periods a week.* Mr. Sloane and Mr. Soper.

In the first semester the pictorial arts are traced from David to the present day; in the second semester, the development of architecture and sculpture in the same period. Year course.

Offered annually.

Latin

THE LATIN DEPARTMENT offers instruction in the language, literature and civilization of the Roman people. Knowledge of the Latin language is fundamental to an understanding and proper use of the English and Romance languages; familiarity with the Latin classics is an indispensable background for the Western European literary tradition; and the history and civilization of Rome provide an explanation of, and parallels to, many pressing contemporary political, economic, social, and religious problems.

Principal emphasis is laid upon meeting the Roman legacy through the medium of the Latin language; but for those whose knowledge of Latin is too limited for this purpose, Latin 28 offers an opportunity to examine selected topics.

Major Requirements

Four full-year courses (except Latin 11-12), some of which may be taken at Bryn Mawr College; Latin 100. The Latin Department reserves the right to exclude Latin 13-14, in individual cases, from consideration as fulfilling a part of the Major requirements.

Four additional semesters in other departments, to be arranged in conference between the student and the Major Supervisor.

A written comprehensive examination. Candidates for Honors must pass an oral examination also.

11-12. BEGINNING LATIN—*Three periods a week.* Mr. Comfort.

Elementary grammar and vocabulary for students who have not previously studied Latin; preparatory to Latin 13-14. Year course.

To be offered in 1951-52 upon sufficient demand.

13-14. LATIN LITERATURE—*Three periods a week.* Mr. — — .

For students offering two or three years of preparatory Latin. Review of grammar and vocabulary; reading in Vergil and other authors. Year course.

Offered annually.

15, 16. LATIN LITERATURE—*Three periods a week.* Mr. — — .

For students offering *Latin 13-14* or four years of preparatory Latin. Reading of Roman comedy, and of authors of the Republic and the Augustan Age. Semester courses.

Offered annually.

23, 24. INDIVIDUAL TOPICS IN LATIN LITERATURE—*Three periods a week.* Mr. — — .

Systematic study of one or more aspects of Latin literature and Roman life. Prerequisites: at the discretion of the Latin Department. May be repeated for credit with change of content. Offered either semester.

Offered annually.

28. SURVEY OF ROMAN PROBLEMS—*Three periods a week.* Mr. — — .
(Also called *History 28.*)

An attempt to analyze the Roman attitude toward certain persistently significant literary, philosophical, and political problems. Lectures and collateral reading in translation; no knowledge of the Latin language is required. Prerequisite: Sophomore standing. Semester course.

Offered annually.

Mathematics

THE AIMS of courses in Mathematics are: (1) to promote rigorous thinking by exhibiting a systematic, deductive, intellectual discipline; (2) to explain the role which Mathematics has played in the development of the culture of our age; (3) to foster technical competence in Mathematics as an aid to the better comprehension of the physical, biological, and social sciences.

Freshman Mathematics emphasizes mathematical ideas rather than techniques of computation. It is designed as a terminal course for the non-specialist who plans to take only one year of Mathematics as well as the beginning course prerequisite to further work in the Department.

The more advanced courses cover work in the fields of analysis, algebra, geometry, and statistics. The student majoring in the Department extends his studies into all of these areas; he may prepare for teaching in preparatory school, for graduate study leading to college teaching or industrial research, or for statistical and actuarial work.

The sequence in analysis and algebra, Mathematics 21-22, 31, 32, 33, 34, 63, is especially suited to the needs of the physical sciences, while Mathematics 23 and 38 deal with those concepts of statistics and probability which are fundamental to the biological and social sciences.

Major Requirements

Mathematics 11-12, 21-22, 31, 32, 33, 34, 35, 40, 63, 82, and 100.

Recommended collateral courses are Physics 13-14, 32, 61, 62, or, for prospective actuaries, Economics, 21-22, 37.

Prescribed parallel reading on the history and general principles of mathematics.

Three written comprehensive examinations, each three hours in length. An oral examination will be required for Final Honors.

It is recommended that facility in reading French and German be acquired as early in the college course as possible.

11-12. FRESHMAN MATHEMATICS—*Four periods a week.* Mr. Allendoerfer, Mr. Oakley, Mr. Tomber, and Mr. Wilson.

An introductory course designed to present the fundamental concepts of modern Mathematics and to give numerous applications of these concepts to practical problems in the natural and social sciences. Topics included are: logic and the nature of mathematical proof, the number system, statistics and probability, functions and graphs, plane analytic geometry, and elementary calculus. Year course.

Offered annually.

21-22. CALCULUS—*Three periods a week.* Mr. Oakley.

Differential and integral calculus, with applications. Prerequisite: *Mathematics 11-12.* Year course.

Offered annually.

23. INTRODUCTION TO STATISTICS—*Three periods a week.* Mr. Allendoerfer.

Tabular and graphic methods, frequency distribution, averages, measures of central tendency, dispersion and skewness, correlation, tests of significance. Lectures and computing laboratory. Prerequisite: *Mathematics 11-12.* Semester course.

Offered annually.

31. DIFFERENTIAL EQUATIONS—*Three periods a week.* Mr. Wilson.

Methods of solution of the standard types of ordinary differential equations with applications to problems in physical science. Prerequisite: *Mathematics 21-22.* Semester course.

Offered annually.

32. ADVANCED CALCULUS—*Three periods a week.* Mr. Wilson.

Advanced topics in calculus, including infinite series, elliptic integrals, partial derivatives, Jacobians, line integrals, and Stokes' Theorem. Prerequisite: *Mathematics 21-22.* Semester course.

Offered annually.

33. THEORY OF EQUATIONS—*Three periods a week.* Mr. Allendoerfer.

Advanced topics in the theory of equations; introduction to modern abstract algebra. Prerequisite: *Mathematics 21-22.* Semester course.

Offered in 1950-51 and alternate years.

34. VECTORS AND MATRICES—*Three periods a week.* Mr. Allendoerfer.

The algebra of vectors, vector spaces, and matrices, with applications to mathematical physics. Prerequisite: *Mathematics 21-22, 33.* Semester course.

Offered in 1950-51 and alternate years.

35. **ADVANCED ANALYTIC GEOMETRY**—*Three periods a week.* Mr. Allendoerfer.
Advanced plane and solid analytic geometry. Homogeneous coordinates. Introduction to the geometry of n-dimensions. Prerequisite: *Mathematics 21-22.* Semester course.
To be offered 1951-52 and alternate years.
38. **MATHEMATICAL STATISTICS**—*Three periods a week.* Mr. Oakley.
Theoretical presentation of the mathematical background of elementary statistics and probability. Prerequisite: *Mathematics 21-22, 23.* Semester course.
To be offered in 1951-52 and alternate years.
40. **DIFFERENTIAL GEOMETRY**—*Three periods a week.* Mr. Allendoerfer.
The differential geometry of curves and surfaces. Introduction to vector and tensor analysis. Prerequisite: *Mathematics 21-22, 35.* Semester course.
To be offered in 1951-52 and alternate years.
- 61, 62. **INTRODUCTION TO MATHEMATICAL PHYSICS**—Mr. Benham and Mr. Sutton.
(See *Physics 61, 62.*)
63. **INTRODUCTION TO ANALYSIS**—*Three periods a week.* Mr. Oakley.
Rigorous treatment of fundamental ideas in analysis: real and complex numbers, functions, limits, continuity, differentiations, and integration. Applications to Fourier Series and differential equations. Prerequisite: *Mathematics 31, 32.* Semester course.
Offered annually.
- 81 or 82. **SPECIAL TOPICS**—*Three hours a week.* Members of the Department.
Seminar course involving wide reading in the literature, and presentation of papers for group discussion. The content varies from year to year to suit the needs of advanced students. The course may be repeated for credit with change of content. Semester course.
Offered annually.

Music

THE COURSES offered in Music have as their objective (1) the stimulation of the creative energies of the student through musical composition, and (2) the development of understanding of music and of thought concerning music as revealed in scientific and aesthetic treatises. In furthering and strengthening the discipline of music—one of the oldest in our culture—the College has no intention of training musical performers by conservatory methods. The intention is rather to form enlightened workers in the field of music.

The center of the Haverford instruction is therefore in laying the

foundations of music for beginners and strengthening these foundations for those who have already been initiated into the art. Those who wish to take their degrees with a Major in Music will have further opportunity to work in the larger forms of composition and to get an introduction into musicology.

A very important aspect of the music instruction is the laboratory work leading to public performances of the creative efforts of the students. To this end a series of informal concerts is given in a small auditorium before a limited audience.

Major Requirements

Three full-year courses in Music and three full-year (or six half-year) courses in related fields, such as History of Art, advanced German, Elizabethan literature, Mediaeval history, or other courses in Music. These courses are to be arranged in conference with the professor in charge.

A comprehensive examination in two parts:

1. The History of Music. Candidates will be expected to show a knowledge of all styles from the mediaeval chants to the romantic era, as well as a special knowledge, including acquaintance with sources of one particular period, preferably anterior to 1600 A.D.
2. Musical Composition. Candidates will be expected to submit compositions involving three- and four-part writing for voices (in free counterpoint) and instrumental scoring for an ensemble of the classical type.

11, 12. FOUNDATIONS OF MUSIC—*Two class periods and one laboratory period a week.* Mr. Swan.

In the first semester this course takes up the study of melodic writing in two and three parts (counterpoint), preparatory to which comes a thorough practice in the modes. Certain models from the fifteenth and sixteenth centuries are examined. The goal is the production of a three-part motet. In the second semester this free contrapuntal technique is transferred to writing for instruments (string trio and string quartet, or piano) in some of the forms of the seventeenth century (*ricercar*, *canzona*, *fugue*). Concurrently with composition there are class discussions of methods and styles. Limited to twenty students. Semester courses.

Offered annually.

21, 22. ADVANCED MUSICAL COMPOSITION—*One three-hour laboratory period a week.* Mr. Swan.

A continuation of the preceding for students who are able to attempt composition on a larger scale, in such forms as sonata, rondo and variation. Scoring for small orchestra. Limited to five students. Prerequisite: *Music 11, 12* or its equivalent. Semester courses.

Offered annually.

41, 42. SEMINAR—*One evening a week at Swarthmore College.* Mr. — — .

Intended for students who have completed Music 11, 12, and want an insight into the music of the remoter past (Middle Ages and Renaissance), or into the whole field of modern music. Texts: Reese, *Music in the Middle Ages*; Besseler, *Die Musik des Mittelalters und der Renaissance*; Medtner, *The Muse and the Fashion*; Glebov, *Russian Music*. Semester courses.

Offered by arrangement with the Chairman of the Department.

Philosophy

THE COURSES in Philosophy are intended first of all to acquaint students with the major currents of interpretation and reflection upon the recurring problems, such as the nature of man, the nature of the universe, the nature of the processes by which man apprehends and responds to that universe. Since these problems underlie the work of literature and furnish it with many of its most basic themes; since they underlie the presuppositions of political, sociological, and economic thought; since they reappear in the frame in which every thoughtful scientist works and affect not only the use to which his results will be put, but his very method, just as his methods have influenced in turn the formulation of the problems, the study of philosophy is an important tool in connection with work in any of these fields.

In the second place the courses in philosophy are designed to assist in integrating material presented in literature, history, the social and physical sciences, in art, and in religion in order to assist the student in drawing together what he has learned, and in approaching a more responsible, intentional, and intelligent world view with which to confront life.

The courses are so planned as to require such orientation as would be secured in either Philosophy 11 (which examines in an elementary way the great problems man confronts) or Philosophy 21-22 (which deals with these same problems as it presents the great classical philosophical thinkers chronologically) before proceeding to the more specialized philosophical disciplines such as ethics, aesthetics, logic, political philosophy, philosophy of science, philosophy of religion, and to more specialized studies of certain philosophical thinkers.

Major Requirements

Philosophy 12, 21-22, 63-64 and two other half-year courses in Philosophy. Philosophy 100.

Four half-year courses in related fields to be arranged in conference with the Major Supervisor.

A comprehensive examination in two parts: three hours on the history of philosophy and three hours on one optional field selected from topics in philosophy since 1800, or religious thought.

11. INTRODUCTION TO PHILOSOPHY—*Three periods a week.* Mr. Steere, Mr. Foss and Mr. Parker.

An understanding of the nature and function of philosophy and of its relations to other fundamental human interests such as science, religion, and art is sought through a consideration of representative philosophical problems. Semester course.

Offered annually in either semester.

12. ETHICS—*Three periods a week.* Mr. Foss and Mr. Parker.

A study of (1) conflicts of ethical values involved in contemporary life; (2) certain classical ethical devices for resolving those conflicts; (3) the role of the individual and of the group in the realization of ethical values. Case material drawn from contemporary situations and from literature will be widely used. Discussions, lectures, and papers. Prerequisite: One semester-course in Philosophy. Semester course.

Offered annually.

- 21-22. HISTORY OF PHILOSOPHY—*Three periods a week.* Mr. Foss and Mr. Parker.

A study of the development of philosophy with special reference to Plato, Aristotle, Descartes, Locke, Berkeley, Hume, Spinoza, Leibnitz, Kant, and Hegel. First-hand acquaintance with selected writings of these philosophers; reports, lectures, and class discussions. Not open to Freshmen. Year course.

Offered annually.

23. CLASSICS OF RELIGIOUS LITERATURE—*Three periods a week.* Mr. Steere.

A study which will include such books as Augustine, *Confessions*; Bernard of Clairvaux, *On Consideration*; Meister Eckhart, *Sermons*; *Little Flowers* of St. Francis of Assisi; Thomas à Kempis, *Imitation of Christ*; *Theologica Germanica*; Francis de Sales, *Introduction to the Devout Life*; Pascal, *Thoughts*; John Woolman, *Journal*; Soren Kierkegaard, *Purity of Heart*; Von Hügel *Letters*; George Tyrell, *Autobiography*. Semester course.

Not offered in 1950-51.

24. HISTORY AND PHILOSOPHY OF QUAKERISM—*Three periods a week.* Mr. W. W. Comfort.

The Quaker Movement is studied in its relation to other intellectual and religious movements of its time, particularly those found in English philosophy. The development of the dominant Quaker conceptions is traced to the present day and critically examined. The course is designed for non-Friends as well as for Friends. Not open to Freshmen. Semester course.

Offered in 1950-51.

26. AESTHETICS—*Three periods a week.* Mr. Foss.
A study of the philosophical principles underlying the creative and appreciative aspects of art. Prerequisite: One semester-course in Philosophy. Semester course.
Offered in 1950-51 and alternate years.
27. LOGIC—*Three periods a week.* Mr. Parker.
The principles of valid inference and their application to reasoning in everyday life, and in the sciences; the syllogism and other types of formal reasoning, the nature of proof, the detection of fallacies; introduction to the logic of scientific method and to contemporary developments in symbolic logic.
Offered in 1950-51.
28. PHILOSOPHY OF RELIGION—*Three periods a week.* Mr. Foss.
A study of the basic problems which the field of religion presents to a thoughtful mind. Prerequisite: One semester-course in Philosophy. Not open to Freshmen. Semester course.
To be offered in 1951-52 and alternate years.
- 29H. RELIGION IN CIVILIZATION—*Three periods a week.* Mr. Hocking.
A study of the role of religion in civilization. After a preliminary examination of the part played by religion in certain selected civilizations and of the role accorded to religion in current philosophies of history, the influence of Christianity upon the law, morals, arts, science and philosophy of Western Civilizations will be scrutinized. Lectures and Reports. Semester course.
Offered in 1950-51.
32. NINETEENTH CENTURY THINKERS—*Three periods a week.* Mr. Steere.
Selected writings of Schopenhauer, Nietzsche, Tolstoy, and Bergson. Semester course.
Offered annually.
33. PHILOSOPHY OF SCIENCE—*Three periods a week.* Mr. Benfey.
Designed mainly for science Majors. A study of the development of scientific thought, the nature of scientific knowledge and methods, and the mutual influence of science and society. Prerequisite: Two years of laboratory science, and *Philosophy 11* or *21-22* or *27*, or consent of the instructor. Semester course.
Offered in 1950-51.
- 63-64. PHILOSOPHICAL SEMINAR—*Three hours a week.* Mr. Hocking, Mr. Steere, and Mr. Foss.
Specialized work in some restricted field of philosophic or religious thought is undertaken, the precise subject depending upon the needs of the students and

the general interests of the group. Primarily designed for Seniors majoring in Philosophy and for Graduate students. Prerequisite: *Philosophy 21-22*; Majors unless by special arrangement. Limited to ten students. Year course.

Offered annually.

65-66. THE DEVELOPMENT OF POLITICAL THOUGHT—*Three hours a week.* Mr. Parker and Mr. Steere.

A seminar course based upon the writings of selected political philosophers from Plato to the present day. Prerequisite: *Philosophy 11* or *21-22*; one semester of Political Science; otherwise by consent of the Department. Limited to sixteen students. Year course.

Offered annually.

Physical Education

COURSES in Physical Education are arranged in accordance with the plan for all-year physical training in the Freshman, Sophomore, and Junior years. The aim of this plan is to make possible active participation in athletics for the majority of students at Haverford College, with emphasis on the sports with carry-over value. Beginning with the class of 1951 (entering Sept., 1947) each student will be required to take, during his first three years, nine terms (fall, winter, spring) of Physical Education or of certain non-academic courses (see p. 98), with a minimum of six terms in Physical Education: three in the Freshman year, two in the Sophomore year, and one in the Junior year.

A thorough medical and physical examination is given to each student upon entrance. A tuberculin test is given to all Freshmen, followed by an x-ray if necessary, as part of this required examination. A swimming test is given to all entering students following the physical examination. This test must be passed by all students before graduation. Swimming instruction is given in the gymnasium pool during the early fall and late spring. Only those students whose physical condition is satisfactory will be permitted to take part in athletics.

The outdoor facilities include: Walton Field for football and track, with a 440-yard oval and a 220-yard eight lane straight-away cinder track; the Class of 1888 and Merion fields for soccer, both of which are used for baseball and softball in the spring; a skating pond; Cope Field for cricket; an athletic field presented by the Class of 1916; a baseball field presented by the Class of 1922, used also for soccer in the fall; and twelve tennis courts, five of which were presented by the Class of 1923.

There are four dinghies available during the spring and fall for those who wish to sail.

The indoor facilities are all included in the Gymnasium. The basement contains dressing rooms, showers, a swimming pool, a wrestling room, and a training room. Through the generosity of the Class of 1928, it has recently been possible to provide additional locker and dressing facilities, a new storage room for athletic equipment, and a laundry and drying room. A regulation basketball court is on the main floor and is used for Varsity and Junior Varsity basketball, the interclass and intramural program, and for instruction in Physical Education. Adjoining this floor are dressing facilities for instructors, for coaches and officials, and rooms for the administration of medical and physical examinations. A special section for corrective and body-building work, an indoor track, a trophy room, and the administrative offices are located on the second floor.

11. PHYSICAL EDUCATION—*Three hours a week.* Mr. Randall, Mr. Haddleton, Mr. Evans, Mr. Docherty, Mr. Ray Bramall, and Mr. Spealler.

A course of elementary instruction in athletic games, including football, soccer, basketball, tennis, golf, track, volley-ball, handball, badminton; partly elective. Special corrective exercises for men who need them, during the winter term.

12. PHYSICAL EDUCATION—*Three hours a week.* Mr. Randall, Mr. Haddleton, Mr. Evans, Mr. Docherty, Mr. Norman Bramall.

A course of advanced instruction in athletic games, with emphasis on intramural sports.

13. PHYSICAL EDUCATION—*Three hours a week.* Mr. Randall, Mr. Haddleton, Mr. Evans, Mr. Docherty, Mr. Norman Bramall.

A course, almost entirely elective, involving participation in some organized and supervised athletic activity.

Physics

COURSES in Physics are intended to acquaint students with important fields of knowledge, to train them in analytical thinking, to give them an appreciation of the scientific method, and to help them gain first-hand experience and insight into the methods of experimental investigation.

All students, whether or not they plan to specialize in science, will find value in the integrated course called Physical Science 11, 12. This

course undertakes to develop an appreciation of the methods of science based upon a thorough treatment of a limited number of selected topics.

Students of physics, medicine, engineering, mathematics, chemistry or other sciences will find the foundation offered by General Physics (Physics 13-14) indispensable. Physics 13-14 is ordinarily taken in the Sophomore year after Mathematics 11-12 or Physical Science 11, 12, but Freshmen with adequate preparation may be admitted.

For the student with professional aims in science, the Department offers courses leading to a Major in Physics which should equip a man to enter graduate school or industry on a favorable footing. Sound knowledge of mathematics is essential. Ability to understand and use the calculus is assumed in most of the advanced courses. The Department desires to cultivate in its Major students independence of thought and initiative at progressive levels of maturity; to that end, a sequence of courses following Physics 13-14 has been arranged, culminating in Physics 81, 82. The latter offers opportunity to conduct an extended individual investigation with training in the mastery of theory and experiment, and with emphasis upon independence and the ability to express oneself clearly both orally and in writing on the subject of investigation. Physics 81, 82 is not, however, limited to students majoring in Physics; it may be elected by others after consultation.

Physics 21 is open to qualified students who seek a broad understanding of modern concepts of matter and radiation. Physics 33-34 and 61, 62 are particularly recommended to students of chemistry, mathematics, and engineering who plan to do graduate work.

Major Requirements

Physics 13-14, 33-34, 81, 82 and either *61, 62* or *63-64*, constitute the minimum requirement of courses in this Department. In addition, *Physics 21* and *32* are strongly recommended.

Mathematics 11-12, 21-22, and 31.

History of physics (collateral reading).

A written comprehensive examination in two parts: (a) on general physics and history treated comprehensively; (b) on an extended, open-book problem designed to test each individual's ability to correlate his knowledge. In addition, an oral examination is expected of candidates for Honors. The granting of Honors in Physics is based upon excellence (an average of 85 or better) in course work, particularly in *Physics 81, 82*, and evidence of accomplishment beyond the usual course requirements.

Students who desire to combine a Major in Physics with advanced work in some other related department may do so by special arrangement between the two

departments concerned. In such cases, a program is mapped out with some modification of the requirements normally expected of a Major in a single department.

11, 12. PHYSICAL SCIENCE 11, 12.

(See General Courses, page 64.)

13-14. GENERAL PHYSICS—*Four hours. Three class periods and one laboratory period a week.* Mr. Sutton.

This is the basic course for work in physics, engineering, chemistry or other sciences. Mechanics, sound, heat, electricity, and light are studied with the help of problems, laboratory experiments, lecture demonstrations, and discussion. This course is commonly taken in the Sophomore year, but qualified Freshmen are admitted. Algebra and trigonometry are essential and the methods of calculus are frequently employed. Freshmen must offer four years of high school mathematics and a year of high school physics or chemistry, and should take *Mathematics 11-12* concurrently. Sophomores who have passed *Mathematics 11-12* or *Physical Science 11, 12*, or both, will be admitted. Year course.

Offered annually.

21. ATOMIC PHYSICS—*Three hours. Three class periods a week and occasional laboratory periods.* Mr. Sutton.

A course of lectures, class experiments, discussion, and outside readings on atoms, electrons, neutrons, ionization, photoelectricity, x-rays, radioactivity, atomic and nuclear structure, cosmic radiation, and an introduction to quantum mechanics. This course emphasizes the experimental rather than the more theoretical aspects of modern physics. Prerequisite: *Physics 13-14*, or consent of the instructor. Semester course.

Offered annually.

22. PHYSICAL OPTICS—*Three hours. Three class periods a week and occasional laboratory periods.* Mr. Sutton.

A study of the principles of physical optics, with laboratory experiments, covering systematically such fields as refraction, diffraction, interference, and polarization, with an introduction to Maxwell's equations. Prerequisite: *Physical Science 11, 12* or *Physics 13-14*. Semester course.

Offered in 1950-51.

32. MECHANICS—*Three class periods a week.* Mr. Sutton.

Analytical mechanics, treating the statics, kinematics, and dynamics of particles and rigid bodies. Lectures and problems on the application of calculus and vector methods to mechanical systems, including an introduction to Lagrange's equations and the special theory of relativity. This course and *Physics 61, 62* are complementary. Prerequisite: *Physics 13-14* and *Mathematics 31*. Semester course.

Offered annually.

33-34. ELECTRICITY AND MAGNETISM—*Four hours. Three class periods and one laboratory period a week.* Mr. Benham.

A course of lectures, readings, and laboratory experiments designed to familiarize the student with precision electrical measurements, Kirchoff's laws, Gauss's theorem, magnetic circuits, potential, capacitance, inductance, alternating current, and the laws of the electro-magnetic field. Prerequisite: *Physics 13-14* and *Mathematics 21-22; Mathematics 31* should be taken previously or concurrently. Year course.

Offered annually.

61, 62. INTRODUCTION TO MATHEMATICAL PHYSICS—*Three class periods a week.* Mr. Benham and Mr. Sutton.

(Also called *Mathematics 61, 62.*)

Lectures and problems on selected topics in mathematical physics, such as classical mechanics, hydrodynamics, thermodynamics, quantum mechanics, statistical mechanics, theory of electric field. Prerequisite: *Physics 13-14* and *Mathematics 31*. Year course, but students from other departments may take first semester only.

Offered annually.

63, 64. ELECTRONICS—*Four hours. Three class periods a week and one laboratory period.* Mr. Benham.

This course includes circuit theory (resonant and coupled circuits, filter networks, impedance matching, etc.), electron theory, study and application of vacuum-tubes, and problems pertaining to design and analysis of typical circuits employing them. Laboratory experiments are designed to give the student experience in the relation of circuit theory to practice. Some industrial applications are studied. Prerequisite: *Physics 33-34* or *Engineering 33-34*. Year course, but students from other departments may take first semester only.

Offered annually.

81, 82. PHYSICS SEMINAR—*Three hours. One meeting a week and individual study and laboratory.* Mr. Sutton and Mr. Benham.

Individual work in selected fields of investigation. Each student pursues comprehensive reading and sustained experimental work on a problem. Weekly meetings are held with the members of the Department to discuss the progress in each field of investigation. Each student becomes familiar with problems other than his own and gains experience in presenting his own work. Not restricted to Major students. Year course. By permission, one semester only may be elected.

Offered annually.

Political Science

THE POLITICAL SCIENCE CURRICULUM is designed to give the students an understanding of political organization and political forces in modern society, to provide knowledge and a basis for insight and judgment on

the problems involved in the relationship of the individual to the state and of governments to one another. The broad areas of study include: analysis of political theory in relation to its institutional environment; comparison and appraisal of different types of governments and their political organization; American political institutions; and problems of international relations.

The tools of analysis include theory and experience. The purposes and the actual workings of political institutions are appraised. In advanced courses, emphasis is placed upon individual research and analysis—practice in location, organization, and presentation of data, and independent judgment.

The courses are designed primarily for a liberal arts education and are intended to create intelligent and lasting interest and participation in the formulation of public policy. The training will also serve the practical needs of those men contemplating professional careers which involve an understanding of modern government, such as law, journalism, and the public service.

Men majoring in political science are expected to understand the relationship of this field to other social studies and also the purposes and methods of the social sciences as a whole. They are thus expected to take supporting courses in economics, history, and sociology.

Major Requirements

Political Science 21, 22, 100 and six other courses in Political Science distributed among the areas of study indicated above.

At least four other semester courses in social sciences other than Political Science.

A seven-hour comprehensive examination covering the major fields of study. A portion of the comprehensive examination will be oral.

Candidates for High Honors and Highest Honors are required to submit a thesis of independent research work. Such thesis may obtain course credit through *Political Science 81* or *82*.

Economics 21-22, Mathematics 23, Philosophy 65-66 and *Sociology 81* are recommended for Political Science Majors.

(Note: *Political Science 23* is a discontinued course.)

21. FREEDOM AND CONTROL: Foundations of Western Political Thought—
Three periods a week. Mr. Somers, Mr. Haviland, and Mr. Roche.

An analysis of the development of the main currents of western political thought, studied primarily through the original works of thinkers who have had greatest influence in shaping modern ideas and institutions, with special

reference to the central issue of reconciling individual liberty with social control. Prerequisite: *Social Science 11-12*.

Offered annually.

22. MODERN POLITICAL INSTITUTIONS AND ISSUES—*Three periods a week*. Mr. Somers, Mr. Haviland, and Mr. Roche.

A comparison and analysis of modern governmental institutions and practices with reference to their ideological foundations. Central problems of government will be examined in relation to comparative structures, administration, and operative ideals. Special attention will be devoted to the United States, which will also be used as a basis of comparison. Prerequisite: *Social Science 11-12*.

Political Science 21 and *22* are designed as a year course. Together they present the basic elements for understanding of modern politics for students who will continue in political science as well as for those who do not intend to take additional courses in this field. By permission of the Department either semester may be taken independently.

Offered annually.

31. PARTIES, PRESSURES, AND THE PUBLIC INTEREST—*Three periods a week*. Mr. Somers.

A study of political parties, their organization and techniques, as an instrument of democratic government; the relationship of private associations to the party system; the role of such associations in a democracy; and the ultimate problem of how the public interest can be determined and served. Prerequisite: *Political Science 22* or *23*. Semester course.

Offered annually.

32. CONSERVATION OF NATURAL RESOURCES—Mr. White.

(See *Geography 32*.)

33. AMERICAN CONSTITUTIONAL DEVELOPMENT—*Three periods a week*. Mr. Roche.

A study of the development of the American constitution through judicial interpretation, related to the changing political, social, and economic problems of the United States. Definitive Supreme Court cases shaping the course of American development will serve as the primary basis of study. Prerequisite: *Political Science 21* and *22*. Semester course.

To be offered in 1951-52 and alternate years.

34. SOCIAL SECURITY—*Three periods a week*. Mr. Somers.

(Also called *Economics 34* and *Sociology 34*.)

A study of the economic and political problems caused by the insecurity and hazards of modern industrial society, their social and political costs, methods of alleviation and control, with particular reference to social insurances and related governmental programs. The nature of public interest and public responsibility in relation to individual disaster is examined. Prerequisite:

Political Science 22 or Economics 21-22 or Sociology 21-22. Semester course.
To be offered in 1951-52 and alternate years.

35. PUBLIC FINANCE—*Three periods a week.* Mr. Herndon.
(Also called *Economics 35.*)

A study of the general principles of public revenues, public expenditures, public indebtedness, fiscal administration, and of the principles of equity in the distribution of tax burdens. Prerequisite: *Political Science 22 or 23; or Economics 21-22.* Semester course.

Offered annually.

36. FEDERAL TAXATION—*Three periods a week.* Mr. Herndon.

A study of the principal aspects of taxation by the federal government with emphasis upon income and estate tax policies and problems, together with consideration of the leading constitutional law developments in this field. Prerequisite: *Political Science 22 or 23; or Economics 21-22.* Semester course.

Offered annually.

38. GOVERNMENT ADMINISTRATION AND PUBLIC POLICY—*Three periods a week.* Mr. Somers.

A study of administration as a central element of contemporary civilization with special reference to the problems involved in the development of the modern "service state"; administrative theory and process in relation to the formulation and execution of public policy. The approach is analytical rather than descriptive. Prerequisite: *Political Science 22 or 23.* Semester course.

Offered in 1950-51 and alternate years.

39. GOVERNMENT AND BUSINESS—Mr. Hunter.

(See *Economics 39.*)

51. AMERICAN FOREIGN POLICY—*Three periods a week.* Mr. Haviland.

A critical analysis of the forces which shape United States foreign policy including its objectives, methods, and consequences. Major emphasis will be placed on the preparation of project papers concerning specific contemporary issues in United States foreign policy. Prerequisite: *Political Science 22 or 23.* Semester course.

Offered in 1950-51 and alternate years.

- 53-54. INTERNATIONAL RELATIONS: ECONOMIC AND POLITICAL—
Three periods a week. Mr. Haviland and Mr. Street.

(Also called *Economics 53-54.*)

An examination of the major factors which affect international relations with special emphasis on the political and economic elements. The first semester's work will deal with the general environment and instruments of international relations including the principles and practices of international trade and investment. The second semester's work will involve intensive study, through case studies, of major modern problems in international relations. Prerequisite: *Economics 21-22 or Political Science 22 or 24.* Year course.

Offered annually.

55. COMPARATIVE GOVERNMENT—*Three periods a week.* Mr. Roche.
 An advanced comparative study of political institutions of selected foreign governments. Emphasis is placed on recent constitutional developments and their implications, and on the changing role of government in society. Prerequisite: *Political Science 22*. Semester course. (This course may not be taken for credit by students who took *Political Science 24* in 1948-49.)
 Offered in 1950-51 and alternate years.
56. INTERNATIONAL LAW AND ORGANIZATION—*Three periods a week.*
 Mr. Haviland.
 A critical analysis of the evolution of major instrumentalities for the achievement of world order and law. Particular attention will be given to the League of Nations, the United Nations, and various proposals for regional and world government. Prerequisite: *Political Science 22* or *23*. Semester course.
 To be offered in 1951-52 and alternate years.
57. AMERICAN POLITICAL THOUGHT—*Three periods a week.* Mr. Roche.
 An approach to understanding the enduring significance of the American heritage through the study of outstanding political and social writings. Prerequisite: *Political Science 21*. Semester course.
 To be offered in 1951-52 and alternate years.
64. MODERN POLITICAL AND SOCIAL THEORY—*Three periods a week.*
 Mr. Roche.
 (Also called *Sociology 64*.)
 A study of leading political doctrines of the nineteenth and twentieth centuries which have had major influence in shaping the issues and conflicts of the modern world. Prerequisite: *Political Science 21* and *22* or *24*; or *Sociology 21-22*. Semester course.
 Offered annually.
- 81, 82. INDEPENDENT PROJECT COURSES—*Individual consultation plus one two-hour period a week.* Mr. Somers.
 Research papers and oral reports on special topics based upon the individual interests of advanced students. Open only to Senior Social Science Majors by permission of the instructor. Theses of candidates for High Honors and Highest Honors may be written for credit in this course. Limited enrollment. May be taken as semester or year course by arrangement with instructor.
 Offered annually.

Psychology

COURSES in Psychology are intended to acquaint the student with the factors which underlie his own mental processes and the mental processes of those about him. The subject deals primarily with an understanding of the problems of human adjustment to environment. In

addition to the basic and possibly unique contribution which psychology can make to a general education, the study of psychology is of special significance for students who are preparing themselves for business, law, medicine, the ministry, or other fields in which the professional man is called upon to deal with other human beings.

Major Requirements

Psychology 21-22, 31-32, 33, 34, 61, 82, and 100.
Comprehensive examination.

21-22. GENERAL PSYCHOLOGY—*Four hours. Three demonstration lectures and one laboratory period a week.* Mr. Rosenstock.

A systematic survey of the basic facts and principles in the various fields of psychology. Year course.

Offered annually.

31-32. HUMAN RELATIONS—*Three periods a week.* Mr. Sanford.
(Also called *Sociology 31-32.*)

The course is designed to increase the understanding of inter-personal relations in modern society. It will concern itself mainly with materials from social psychology, but will draw relevant facts and principles from other fields of psychology, and from other social sciences. Prerequisite: *Sociology 21-22*, or *Psychology 21-22*. Year course.

Offered annually.

33. EXPERIMENTAL PSYCHOLOGY—*Three class periods and one laboratory period a week.* Mr. Pepinsky.

A survey of the psychological processes (sensation, perception, attention) which lend themselves most readily to experimental methods. Prerequisite: *Psychology 21-22*. Semester course.

Offered annually.

34. PSYCHOLOGY IN MENTAL HYGIENE—*Three periods a week and occasional visits to clinics conducted by Dr. Edward A. Strecker, Professor of Psychiatry, School of Medicine, University of Pennsylvania.* Mr. Pepinsky.

Consideration is given to the dynamics of behavior and adjustment; motivation and its modification by cultural and organic influences; forms of adjustive behavior, normal, neurotic, and psychotic; adjustments typical of different age levels; and adjustments influenced by counseling. Prerequisite: *Psychology 21-22*. Semester course.

Offered annually.

61. PSYCHOLOGY OF PERSONALITY—*Three periods a week.* Mr. Pepinsky.

The study of the problems of development and organization of personality. Prerequisite: *Psychology 34*. Semester course.

Offered annually.

82. SPECIAL TOPICS IN PSYCHOLOGY—*Two hours of seminar discussion and one laboratory period a week.* Mr. Pepinsky.

A seminar for special work in restricted fields of psychology. A project course. Elective for Seniors by consent of the instructor. This course may be repeated for credit with change of content. Prerequisite: *Psychology 61*. Semester course.

Offered annually.

REMEDIAL READING. Mr. Pepinsky.

Designed to help students having difficulty with their rate and comprehension in reading. Telebinocular and ophthalmographic diagnosis is undertaken for each candidate. For corrective measures students are referred to appropriate agencies. Practice in the use of the Harvard Remedial Films and Equated Transfer Readings. No credit.

Offered each semester.

Romance Languages

ADMISSION of new students to all French and Spanish courses except French 11-12 and Spanish 11-12 is contingent upon placement examinations administered by the Department prior to the opening of such courses.

Opportunity is given to students who complete French 11-12, Spanish 11-12 or Spanish 13-14 with distinction to advance rapidly into higher courses by passing a special examination in September on a prescribed program of vacation study.

Residence in the French and Spanish Houses, attendance at the language tables in the college dining room and participation in the Cercle français and Club español afford an opportunity for supplementary oral practice.

Students who might profitably spend their Junior year in France or Mexico are encouraged by the Department to apply for admission to the institutions sponsoring foreign study groups.

Students majoring in Romance Languages are encouraged to spend a summer in France or Mexico. Foreign summer schools and projects sponsored by the American Friends Service Committee and other organizations offer exceptional opportunities in this regard.

FRENCH

The program of French courses offer students an opportunity:

- 1) to learn to read, understand, speak and write French. In French 11-12 emphasis is placed on the ability to read and pronounce

French. In French 13-14 a special effort is made to teach students to understand spoken French. French 21 and 22 are planned for the benefit of students primarily interested in learning to speak and write French;

- 2) to achieve an understanding of the basic attitudes implicit in a foreign culture which has exerted a profound influence in the shaping of western civilization;
- 3) to read with an increasing awareness of philosophical, moral, aesthetic and social implications the most significant French literary works.

Major Requirements

French 23-24, 25-26, 81 or 82, and 100.

Supporting courses to be arranged in individual conference with the Major Supervisor.

Comprehensive Examination.

11-12. INTRODUCTION TO FRENCH LANGUAGE AND THOUGHT—

Three periods a week. Mr. and Mrs. Gutwirth.

First semester: Study of those aspects of French grammar without a knowledge of which one cannot read French intelligently. Training in pronunciation. Second semester: Reading of authors who have concerned themselves with important problems. One class hour a week is devoted to translation, another to concentrated analysis of short texts, and the third to discussion of rapid reading. Year course.

Offered annually.

13-14. CHARACTERISTIC FRENCH ATTITUDES—*Three periods a week.*

Mrs. Gutwirth and Mr. Malécot.

The purpose of this course is to aid the student, through analysis of basic French attitudes and comparison with equivalent American attitudes to achieve a more objective understanding of certain cultural forces which have had a part in shaping his own life. Lectures and reading are in French, but class discussion is carried on in English. Prerequisite. *French 11-12* or the equivalent. Year course.

Offered annually.

21. SPOKEN FRENCH—*Three periods a week.* Mrs. Gutwirth and Mr. Malécot.

This course is designed to develop the student's ability to speak French correctly and without embarrassment. At first most of the work will be carried on through individual conferences and laboratory periods; as the ability of the student increases and general discussion becomes more profitable, more emphasis will be placed on regular class meetings. Attendance at the French

table in the College Dining Hall is expected. Students who plan to take this course are encouraged to make arrangements to live in the French House. Prerequisite: *French 13-14* or special permission of the Department. Enrollment limited to twelve students. Semester course.

Offered annually.

22. THE FRENCH LANGUAGE—*Three periods a week.*—Mrs. Gutwirth and Mr. Malécot.

The development and structure of the French language are studied as a means to a more general understanding of the nature and function of language. Through extensive drill an attempt is made to teach students to write French correctly. Prerequisite: *French 21* or the equivalent. Semester course.

Offered annually.

23-24. CURRENTS OF FRENCH THOUGHT—*Three periods a week.* Mr. Wylie.

A study of the fundamental trends of French thought from Humanism to Existentialism. Special emphasis is placed on the relationship of philosophical, social, and literary schools of thought. Although importance is attached to historical development, this course does not constitute a survey of French literature. Prerequisite: *French 13-14* or the equivalent. Year course.

To be offered in 1951-52 and alternate years.

25-26. A SYMPOSIUM OF SIGNIFICANT FRENCH WRITINGS—*Three periods a week.* Mr. Gutwirth.

This course, while independent of *French 23-24*, is complementary to it. It consists of readings in French masterpieces from the *Chanson de Roland* to Camus's *L'Etranger*. Emphasis is placed on intrinsic values rather than on century-by-century coverage. Some of the men read are Villon, Montaigne, Pascal, Racine, Voltaire, Diderot, Rousseau, Stendhal, Flaubert and Gide. Prerequisite: *French 13-14* or the equivalent. Year course.

Offered in 1950-51 and alternate years.

81, 82. SPECIAL PROJECT IN FRENCH LITERATURE.

This course offers the student of French literature an opportunity to probe more deeply and more independently into a problem in which he is particularly interested. The nature of the course will therefore vary to suit the needs of individual students. Semester courses.

Offered annually.

SPANISH

The courses offered in Spanish are designed to give the students a thorough knowledge of the Spanish language and an understanding of Spanish and Spanish-American thought and culture. Elementary Spanish and Intermediate Spanish are primarily language courses, with emphasis

on grammar, reading, and conversation. Even in these elementary courses the approach corresponds to the liberal tradition of the College, placing emphasis on the human value of the language, and its importance in international and continental solidarity and understanding. The elementary courses are followed by general courses in civilization and literature, as the basis for the more advanced courses covering special periods, works, and authors in Spanish and Spanish-American literatures.

Major Requirements

Spanish 21-22, 31, 32, 81 or 82, and 100.

History of Spain and Spanish America, as a background for literature.

Supporting courses to be arranged in individual conference with the Major Supervisor.

Comprehensive Examination.

11-12. ELEMENTARY SPANISH*—*Three regular periods and one special discussion period a week.* Mr. Malécot.

Grammar, with written and oral exercises; reading; thorough drill in conversation. Year course.

Offered annually.

13-14. INTERMEDIATE SPANISH—*Three periods a week.* Mr. Asensio.

Review of grammar, with written and oral exercises; composition, reading, and conversation. Prerequisite: *Spanish 11-12* or the equivalent. Year course.

Offered annually.

15-16. INTRODUCTION TO HISPANIC CIVILIZATION—*Three periods a week.* Mr. Asensio.

Geographic, cultural, and historical background. Emphasis is laid on basic attitudes underlying the Spanish and Spanish-American culture pattern and contrasting with characteristic American attitudes. Lectures, reading, discussion, written reports. Prerequisite: *Spanish 13-14* or the equivalent. Year course.

Not offered in 1950-51.

21-22. INTRODUCTION TO SPANISH LITERATURE—*Three periods a week.* Mr. Asensio.

A survey of Spanish literature from the beginnings to modern times; lectures, written and oral reports. Prerequisite: *Spanish 13-14* or the equivalent. Year course.

Offered annually.

* This course meets four times a week, with corresponding reduction in outside preparation; three hours credit.

31. INTRODUCTION TO LATIN-AMERICAN LITERATURE—*Three periods a week.* Mr. Asensio.
A survey of Latin-American literature from the Colonial period to modern times; lectures, written and oral reports. Prerequisite: *Spanish 13-14* or the equivalent. Semester course.
Not offered in 1950-51.
32. SPANISH LITERATURE OF THE GOLDEN AGE—*Three periods a week.* Mr. Asensio.
Cervantes, Lope de Vega, Tirso de Molino, Calderon; lectures, written and oral reports. Semester course.
Not offered in 1950-51.
- 81, 82. SPECIAL TOPICS IN SPANISH LITERATURE—*Three periods a week.* Mr. Asensio.
Reading and lectures; written and oral reports. This course may be repeated, with change of content, for full credit. Semester courses.
Offered annually.

Russian

- 11-12. ELEMENTARY RUSSIAN*—*Five Periods a week.* Miss deGraaff.
Russian grammar, conversation, and reading. Year course.
Offered annually.
- 21-22. INTERMEDIATE RUSSIAN—*Four periods a week.* Miss deGraaff.
Grammar review, reading in Russian classics and contemporary material, conversation. Prerequisite: *Russian 11-12* or the equivalent. Year course.
Offered annually.

The following courses are given at Bryn Mawr College:

201. READING IN RUSSIAN LITERATURE—*Three periods a week.*
Miss Lamkert.
Representative writers of the nineteenth century. Conducted mostly in Russian. Prerequisite: *Russian 21-22.* Year course.
Offered annually.
203. RUSSIAN LITERATURE IN TRANSLATION—*Three periods a week.*
Miss Linn.
The leading Russian writers of the nineteenth century in translation. Students registering for the course should read in the preceding summer the following novels: Dostoevsky's *Crime and Punishment*, Tolstoi's *War and Peace*, and two of Turgenev's novels. Year course.

* This course meets five times a week with corresponding reduction in outside preparation; three hours credit.

Sociology

THE CURRICULUM in Sociology is designed primarily to help the student understand the social structure, the social process, and the web of social relationships in and through which man functions. In other words, it will treat man, his groups, his organizations, and his communities. The curriculum is given as a phase of a program of liberal education. Courses are offered for those who would make Sociology their area of major interest as well as for those students wishing to study such specific groups and institutions as populations, the family, and the community as they function in modern society.

Major Requirements

A major program requires three two-semester courses or their equivalent in the field of sociology, and the equivalent of four semester courses selected from the related courses listed below. Sociology courses always required are 21-22, 33 or 34, 37 or 38, 81, 82. Related courses may be selected from the following group, when chosen in consultation with the Major Supervisor: *Economics* 21-22, 36; *Geography* 32; *Political Science* 21, 31; *Psychology* 21-22. *Social Science* 11-12 is a prerequisite for the introductory course in this Department.

A comprehensive examination designed to test the student's knowledge, as well as his ability to integrate and utilize the subject matter of sociology and other social sciences is given in the Senior year.

Candidates for Final Honors in Sociology will be required to complete two research projects, one in the field of *Social Groups and Institutions* during the Junior year, another in the field of *Social Values and Issues* during the Senior year.

21-22. SOCIAL AND CULTURAL LIFE—*Three periods a week.* Mr. Reid and Mr. — — .

The introductory course in sociology designed to study the principles, structures and processes of contemporary and primitive societies. Prerequisite: *Social Science* 11-12. Year course.

Offered annually.

31-32. HUMAN RELATIONS—Mr. Sanford.
(See *Psychology* 31-32.)

33. POPULATION POLICIES AND PROBLEMS—*Two periods a week.*
Mr. Reid.

A study of the restrictive, expansive, and eugenic characteristics of national populations, with special reference to the phenomena of fertility and fecundity, birth and death rates, food supply, density, and migration. Special attention is given to current population problems in the Western Hemisphere. Prerequisite: *Sociology* 21-22 or *Economics* 21-22. Semester course.

Offered in 1950-51 and alternate years.

34. SOCIAL SECURITY—Mr. Somers.
(See *Political Science* 34.)
36. LABOR ECONOMICS AND LABOR RELATIONS—Mr. Teaf.
(See *Economics* 36.)
37. THE FAMILY—*Three periods a week.* Mr. Reid.
A study of the institutions designed to guarantee the perpetuation of the group and its cultural heritage in comparative societies. The course will analyze functions and forms of the institutions of marriage and the family in different societies. Individual projects. Prerequisite: *Sociology 21-22* or *Economics 21-22*. Semester course.
To be offered in 1951-52 and alternate years.
38. THE MODERN URBAN COMMUNITY—*Three periods a week.*
Mr. Reid.
A study of the social and spatial aspects of modern urban community organization as influenced by personal, technological, ecological, economic and political factors. Individual projects. Prerequisite: *Sociology 21-22* or *Economics 21-22*.
Offered in 1950-51 and alternate years.
40. RACE AND CULTURE GROUPS IN THE MODERN WORLD—*Three periods a week.* Mr. Reid.
An analysis of the secularization of the world's peoples and the contemporary "minorities" situations in the world; how these situations arise; how they are perpetuated, and how they are resolved. Individual projects. Prerequisite: *Sociology 21-22* or *Economics 21-22*. Semester course.
To be offered in 1951-52 and alternate years.
64. MODERN POLITICAL AND SOCIAL THEORY. Mr. Roche.
(See *Political Science* 64.)
81. SOCIAL RESEARCH—*Individual consultation and one two-hour period a week.* Mr. Reid.
An analysis of classic and significant studies in the fields of the social sciences with a view toward understanding the methods, tools, techniques, and hypotheses of social research. Studies will demonstrate the use of statistical, case, historical, and other research procedures. Individual projects. Required of Sociology Majors. Seminar. Semester course.
Offered annually.
82. ISSUES IN SOCIETY—(Companion seminar to *Sociology 100.*) *Individual consultation and one two-hour period a week.* Mr. Reid.
This seminar is designed to treat a sociological problem of current or potential importance, emphasizing the nature and problems of social change with references to social values and social structure. Individual projects. Required of Sociology Majors. Semester course.
Offered annually.

Non-Academic Program

THE FACULTY OF HAVERFORD COLLEGE adopted in the spring of 1947 a program which involves a new departure in American education. This program is designed to cultivate aesthetic perception, creative control of materials, a love of fine workmanship, and other important areas of learning and of experience, such as community service, which have often been neglected in the liberal arts program. The Faculty feels that, though courses (called "units") in these areas cannot properly be included in the academic curriculum, they are of no less importance in the development of personality than strictly intellectual work.

Every student is required to take nine terms of work which is not academic in nature. It is mandatory that six of these terms be taken in Physical Education: three in the Freshman year, two in the Sophomore year, and one in the Junior year. The remaining three terms may be devoted either to offerings of the Department of Physical Education or to units of the Non-Academic Program described here. The first election of such units in the Non-Academic Program may be made in the fall or winter term of the Sophomore year.

In its non-academic work, the College insists on the same high quality of teaching which it demands in its curricular courses. A distinction in the two types of work is needed not because one is thought to be less important than the other, but because in the opinion of the Faculty the two kinds of work are different and should not be equated.

Most of the following units will be offered during the winter term in 1950-51. Certain units, in addition to those so designated, may be offered during the fall term, depending upon the enrollment.

COMMUNITY CENTER ACTIVITIES—*Three hours a week.* Mr. Hetzel.

Non-academic credit will be given to students who participate during the winter term as group leaders in the activities of community services. Activities include athletics, scouting, clubs, music, dramatics, hobbies, and other youth-leadership work. Competent social workers will supervise the work, and guidance will be given by sociologists to make the experience profitable.

PAINTING AND DRAWING—*Three hours a week.* Mr. Janschka.

The purpose of instruction in this unit is to help students in acquiring skill in drawing and painting. The range will extend from hasty sketches to the careful execution of finished works in the graphic arts, and from delicate brush painting to the techniques of the Old Masters in tempera and oils. The counsel and help of the instructor is intended to contribute to the mastery of these various techniques. Offered in the winter term.

METAL WORKING—*Three hours a week.* Mr. Holmes and Mr. N. Wilson

The unit for beginners will be conducted in the fall term and will include machine tool work on the lathe, milling machine, shaper, and drill-press. Those who have sufficient skill will be permitted to use the scheduled period for approved projects of their own choice.

MUSIC APPRECIATION 1—*Three hours a week.* Mr. Reese.

This unit will be focused on the regular weekly broadcasts of operatic and symphonic music. Two hours per week will be devoted to the study and analysis of literature based on these programs. This will lead to a discussion of the art-forms, the composers, and to an appraisal of performance. Offered in the winter term.

MUSIC APPRECIATION 2—*Three hours a week.* Mr. Reese.

An application of the principles studied in *Music Appreciation 1* to a specialized field, e.g. the symphony. A survey of the history and development of the symphony by means of analysis of representative symphonies from the time of Haydn to Hindemith. Offered in the fall term.

PHOTOGRAPHY—*Three hours a week.* Mr. N. Wilson.

The unit for beginners will include instruction in the use and characteristics of photographic equipment, the processing of films and papers, and the composition of subject material both indoors and outdoors. Those who already have some proficiency will be offered help and the use of facilities to work along lines of their own interests. Offered in the winter term.

PUBLIC SPEAKING—*One two-hour period each week.* Mr. Snyder.

This unit is based on the assumption that members, having taken required Public Speaking (*English 11-12*), have already had elementary training whereby they have been freed from stagefright and platform awkwardness. A large part of the time will be devoted to logic and to a fair-minded breakdown and analysis of controversial problems in order to enable the student to find impartially what are the main issues of a controversy and to test the validity of his own research and thinking. Offered in the winter term.

RADIO COMMUNICATION—*Three hours a week.* Mr. Benham.

This unit, which will meet in the winter term, will include training in the fundamental, simplified theory of radio, actual construction of equipment, and group instruction in the International Morse Code. It may serve as preparation for the amateur license examination given by the Federal Communications Commission.

THEATRE ARTS—*Three hours a week.* Mr. Thon.

This unit meets during the winter term and covers acting, directing, and theatre production by means of lectures, demonstrations, and laboratory work. The technical elements of theatre production are considered, such as designs for scenery, costume and make-up, charts for lighting, and scale drawings for technical work, followed by actual construction and painting of scenery, hanging of lights, and application of make-up. The acting and directing work covers such elements as characterization, movement, pantomime, rhythm,

casting and rehearsal techniques, while centering on selected scenes from representative modern and classic plays.

WEEK-END WORK CAMPS—Mr. Richie and Mr. Hetzel.

Students electing this unit will spend three week-ends participating in the work of renovating houses in certain areas in Philadelphia. Consultations with expert social workers and discussion within the camp group will promote an interest in and understanding of social problems.

WOODWORKING—*Three hours a week.* Mr. Holmes.

Instruction will be offered during the winter term in woodworking with hand tools on selected tasks. Qualified students may work on projects of their own choice insofar as facilities permit. Limited to six students at one time.

Extra-curricular Activities

Student Government

THE COLLEGE ADMINISTRATION has delegated to the Students' Association the responsibility for nearly all aspects of student conduct on the campus; and the Students' Association has assumed this responsibility. Student Government is exercised through an elected Students' Council, on which are representatives of all the classes and of some of the undergraduate organizations.

The students at Haverford College believe that the success of self-government depends upon the individual's realization and acceptance of his social responsibilities. This concept forms the basis of the Haverford Honor System, which is a compact entered into by all members of the Students' Association. The Honor System is designed to maintain certain standards which represent the opinion of the Students' Association on what is desirable conduct on the campus. It applies to the conduct of examinations, the preparation of papers outside of class, to the rules governing the presence of women in the dormitories, and to some other aspects of college life. The Honor System is administered by the Students' Council with the active cooperation of all members of the Students' Association.

The Students' Council is an administrative and judicial body. It handles all phases of the administration of regulations for the Students' Association. It manages extra-curricular activities on the campus and allocates to each a percentage of the Student Activities Fee (\$15 per year, charged to every undergraduate as a part of the Unit Fee) on the basis of a yearly budget. In intercollegiate relations, except athletics, it serves as the representative of the Haverford student body.

The chairmanship of the Students' Council is the most important undergraduate office. The Chairman represents the student body before the Board of Managers, the College Administration, and the Faculty. He serves both as liaison officer and executive. He conveys to the College Administration the recommendations of the Students' Council in disciplinary matters.

The Honor Pledge, which is quoted below, is called to the attention of each applicant for admission to Haverford College. It is signed upon entrance, and is signed again whenever the student takes an examination, though its force is not limited to examinations only. In signing the pledge the individual student accepts the Honor System in its entirety,

as currently in force and as it may be changed while he is an undergraduate at Haverford. Every entering student should make sure, before selecting Haverford, that he can give his active support to the Honor System. He should realize that its success, which is of great importance to him personally and to the whole student body, and indeed to the College itself, depends upon his willingness to give it his complete support.

HONOR PLEDGE

"I hereby accept the Haverford College Honor System, realizing that it is my responsibility to safeguard, uphold, and preserve each part of the Honor System and the attitude of personal and collective honor upon which it is based."

THE STUDENTS' ASSOCIATION is made up of all undergraduates in good standing at Haverford College. It is the body for student self-government. The Students' Council is elected from among the members of the Students' Association, and carries most of the burden of leadership in the undergraduate body. In addition, the Students' Council annually appoints deputies, so that it will have representatives in every dormitory.

Societies and Organizations

THE COUNCIL FOR STUDENT ACTION is an organization of men interested in political affairs. It includes several subsidiary groups, such as the following: International Relations Club, United World Federalists, Political Action Committee, Students' League for Industrial Democracy, and United Nations Student Council. The CSA conducts an Open Forum for the discussion of political matters of general interest.

THE INTER-FAITH ORGANIZATION is a group of men interested in religious matters. It conducts services on a non-sectarian basis, arranges discussion groups, and undertakes social work in the community.

THE W. W. COMFORT DEBATING SOCIETY elects to membership men who have shown a consistent interest in debating, and who have represented the College on more than one occasion. Every year, a series of intercollegiate debates is conducted.

THE CAP AND BELLS CLUB includes the dramatic society, which presents four plays a year, usually in conjunction with the dramatic society of Bryn Mawr College, the Glee Club, the orchestra, and the band. The undergraduate president of Cap and Bells is an ex-officio member of the Students' Council.

THE COLLEGE GLEE CLUB: The Glee Club, which is the chief musical organization of the College, is open to all who have a love of music and enjoy singing. Rehearsals are held twice weekly. The repertoire is varied, including shorter numbers of various types as well as a major work each season.

Tryouts are held during the first week of school for Freshmen and upperclassmen as well.

THE ORCHESTRA. The orchestra is a combined enterprise with Bryn Mawr College. All students playing orchestral instruments are invited to get in touch with the director (Dr. Reese). Rehearsals are held at Bryn Mawr weekly. The orchestra studies particularly works from the 17th and 18th century as well as works of contemporary composers. Smaller ensemble groups for chamber music are fostered at both colleges. There is opportunity for further instrumental study from noted teachers at nearby music institutions.

THE RADIO CLUB operates the college radio station, WHRC. Members of the club arrange programs, operate the station, and build or buy necessary equipment. The studios are located in the third floor of the Union Building.

THE VIC DANCE COMMITTEE runs victrola dances on announced dates, usually on Saturday evenings. Its members are appointed by the Students' Council.

THE FILM CLUB arranges for and presents interesting films, sometimes from the archives of the Museum of Modern Art, and sometimes in foreign languages.

THE PHOTOGRAPHIC CLUB promotes interest in photography and has the use of a dark-room and equipment located in Hilles Laboratory.

THE NAUTICAL CLUB is composed of undergraduate students of the college. Its purpose is to promote an interest in sailing for pleasure and to engage in inter-collegiate dinghy racing. It is a member of the Inter-Collegiate Yacht Racing Association.

THE VARSITY CLUB of Haverford College, organized in 1936, is composed of undergraduates who have won varsity letters. Its purpose is to advance the interests of the College and of athletics in every way consistent with the high ideals of the College.

DEPARTMENTAL CLUBS. There are at Haverford various departmental groups, which arrange for outside speakers, and often for discussion

groups. Among these are the French Club, German Club, Spanish Club, Mathematics Club, Biology Club, and Chemistry Club. Some of these clubs occasionally sponsor social gatherings.

Joint Faculty and Student Groups

THE COMMITTEE ON STUDENT AFFAIRS is a joint committee made up of members of the Faculty and undergraduates. It is charged with supervising the arrangements for social affairs on campus, and with reviewing the budgets of various recognized student organizations.

THE CAMPUS CLUB is an association of graduates, faculty members, undergraduates, and friends of the College who are interested in maintaining and increasing the beauty of the college campus.

Student Publications

THE HAVERFORD NEWS is a weekly newspaper, sent to all undergraduates and to all members of the alumni body. It is published on Wednesdays, during term-time, altogether by undergraduates, who are also responsible for the business management of the paper. Its editor is an ex-officio member of the Students' Council.

COUNTERPOINT is a literary magazine managed jointly by students of Haverford and Bryn Mawr Colleges. It publishes creative writing and essays by students of both campuses and it includes art work and music. Contributions from Faculty members and from Alumnae and Alumni are also printed in each issue of Counterpoint.

THE HAVERFORD COLLEGE HANDBOOK is published each fall under the auspices of the Students' Council. It contains information particularly valuable to new students.

THE RECORD is published annually by the Senior class, with the support of the Students' Association. It includes a record of the year, with particular emphasis upon the activities of the graduating class.

Health Program

EACH STUDENT is given a thorough examination at the beginning of the Freshman year, and at other times as recommended by the College physician. Chest x-rays are included in these examinations.

Each student is entitled to unlimited dispensary service, at stated hours, and first-aid service at any time.

In case of illness, each student is entitled to two weeks of residence in the Morris Infirmary each semester, ordinary medicine, diagnostic laboratory work, any x-rays needed for diagnosis, and the services of the College physician and resident nurse.

Students will be charged \$5.00 a day for residence in the infirmary after their first two weeks. Day students will be charged for board while in the infirmary.

Each student is also covered by a blanket accident policy which pays actual expenses resulting from any accident up to a limit of \$500 for each accident. The expenses covered include x-rays, medicine, surgical appliances, hospital bills, nursing care, physician's fee, surgeon's fee, and also dentist bills for repair or replacement of natural teeth as a result of an accident, subject to the approval of the College physician. The coverage is in force from 12:01 A. M. Standard Time three days before the date when registration of entering students begins until midnight three days after Commencement Day.

All of these services are covered by the Unit Fee which is paid by all students (see page 25).

The infirmary, presented by John T. Morris, '67, contains ten beds, a surgical room, an isolation ward for contagious diseases, its own kitchen, and accommodations for a resident nurse. Every provision has been made for medical and surgical treatment of all cases among students during the college year. The danger of infection through illness in the college dormitories is thus minimized.

Library, Laboratories, and Other Academic Facilities

The Library

THE HAVERFORD COLLEGE LIBRARY illustrates the steady growth of the College in facilities for study and research. The original building, constructed in 1863, now forms the north wing of the Library. To this first structure four successive additions have been made. The last two of these, a commodious Stack and a Treasure Room, were dedicated in April, 1941.

The Haverford Library collection now contains about 180,000 volumes. Over four hundred literary and scientific periodicals are taken. Library endowments provide six thousand dollars yearly for the purchase of books. The Library is also a depository of government publications.

With the exception of certain rare books, all volumes in the Library are freely accessible to readers. Though designed especially for the use of officers and students of the College, the Library affords to others the privilege of consulting and, under certain restrictions, of withdrawing books. The Library is open on week-days from 8:00 A.M. to 11:00 P.M., and on Sundays from 2:00 to 11:00 P.M. Special hours are arranged for vacation periods.

THE GUMMERE-MORLEY MEMORIAL READING ROOM, decorated and equipped by the Class of 1892, provides a special reading and browsing room for Haverford students.

THE TREASURE ROOM, provided through the generosity of Morris E. Leeds of the Class of 1888, contains the Quaker Collection as well as other rare books, and collections of a special nature.

Special Collections

THE QUAKER COLLECTION, containing both books and manuscripts, is probably the most complete in America. It forms a central repository for Friends' literature in this country, and makes Haverford a prime source for the study of the Society of Friends.

THE WILLIAM H. JENKS COLLECTION OF FRIENDS' TRACTS, mostly of the seventeenth century, numbers about fifteen hundred separately bound titles.

THE RUFUS M. JONES COLLECTION ON MYSTICISM contains almost a thousand books and pamphlets from the fifteenth century to the present day.

THE TOBIAS COLLECTION OF THE WRITINGS OF RUFUS M. JONES is practically complete. It consists of 168 separate volumes and 16 boxes of pamphlets and extracts.

THE CHARLES ROBERTS AUTOGRAPH COLLECTION contains more than 20,000 items, embracing not only autograph letters of authors, statesmen, scientists, ecclesiastics, monarchs, and others, but also several series of valuable papers on religious and political history.

THE CHRISTOPHER MORLEY COLLECTION OF AUTOGRAPH LETTERS comprises about 200 letters and memoranda selected by Mr. Morley from his correspondence files. Over one hundred authors are represented.

THE FRANCIS B. GUMMERE MEMORIAL COLLECTION OF SHAKESPEARE FOLIOS was presented to the Library in 1947 by William P. Philips, '02.

THE HARRIS COLLECTION OF ANCIENT AND ORIENTAL MANUSCRIPTS contains over sixty Hebrew, Greek, Latin, Arabic, Syriac, and Ethiopian rolls and codices collected by J. Rendel Harris.

Affiliations

Haverford maintains a cooperative arrangement with Bryn Mawr and Swarthmore whereby the facilities of the libraries of all three colleges are open to the faculty and students of each of the colleges.

THE PHILADELPHIA BIBLIOGRAPHICAL CENTER AND UNION LIBRARY CATALOG, the largest cooperative catalog in America, enables users of the Haverford Library to locate books in over one hundred and fifty libraries of the Philadelphia region. The Haverford Library is also a member of THE PHILADELPHIA METROPOLITAN LIBRARY COUNCIL.

THE LIBRARY ASSOCIATES is an organization of graduates and friends of the College, devoted to increasing the usefulness of the Library. It serves to bring the facilities of the Library to wider notice and to make them available to the whole Haverford community; to encourage the making of gifts to the Library; and to aid in the use of the Library for exhibition purposes. Inquiries should be addressed to The Library, Haverford College.

Scientific Laboratories

THE WILLIAM J. STRAWBRIDGE MEMORIAL OBSERVATORY is equipped with three equatorially mounted telescopes; a 10-inch and two 4½-inch refractors, and a 6-inch reflector; a reflecting telescope with 8-inch mirror and altazimuth mounting; a meridian circle telescope of 3¾-inch aperture; a zenith telescope of 2¼-inch aperture; a spectrohelioscope; an astrographic mounting provided with two 4-inch Ross lenses and a 4-inch guiding telescope; two sidereal clocks; a chronograph by Bond; and other instruments. The astronomical library is housed in the Observatory.

THE LYMAN BEECHER HALL CHEMISTRY LABORATORY is a three-story structure with working space in the various laboratories for about two hundred and fifty students. Separate laboratories are available for general chemistry and qualitative analysis, quantitative analysis, organic chemistry, qualitative organic analysis and organic synthesis, semimicro quantitative analysis, and physical chemistry, respectively. In addition two rooms are devoted to the needs of research students. The building is furnished with water, gas, compressed air, and alternating current electricity, and is provided with an excellent system of forced draft ventilation. The apparatus equipment is ample for the undergraduate courses. Books and periodicals dealing with chemical subjects are housed in a comfortably furnished library on the first floor which is open to the students.

THE HILLES LABORATORY OF APPLIED SCIENCE houses the Engineering Department. This modern building contains classrooms, drawing rooms, a departmental library, mechanical, electrical, and electronics laboratories.

Exceptional facilities for observing the practical side of the work are offered by the many manufacturing companies in and near Philadelphia and frequent inspection trips are made.

SHARPLESS HALL is occupied on the two lower floors by the Department of Physics. The laboratories include darkrooms, shops, and room for individual work. Through the gift of William P. Philips, '02, and through other acquisitions, the department is equipped for advanced work in electronics and x-rays.

The upper floors house the Biology and Psychology laboratories.

Natural History Collections

THE NATURAL HISTORY COLLECTIONS, presented to the College by a considerable number of interested friends, are displayed in Sharpless Hall through a gift of the Class of 1915.

Archaeological Collection

THE BETH SHEMESH MUSEUM on the third floor of Sharpless Hall exhibits the archaeological finds made by the late Professor Elihu Grant during a series of five field excavations at the site of that name in Palestine. These materials reveal the life of a typical Near East community in the many aspects of its development and interplay with other peoples over a span of 2000 years. Thus, the collections provide a laboratory for study of the cultural cross-currents which met in Palestine during one of the great formative periods of civilization.

Art Collection

A permanent art collection, including paintings and drawings by Homer, Inness, Pintoricchio, Sargent, Turner, and Whistler, is displayed in the Library.

Temporary exhibitions of paintings, drawings, and photographs are held from time to time at the College.

Framed reproductions of outstanding paintings are available for loan to students at the beginning of each semester.

Music Collection

In addition to a considerable collection of musical scores and books in the general Library, the special equipment of the Music Department consists of several pianos and a collection of scores, books, and phonograph records presented in 1933 by the Carnegie Corporation. This collection has been amplified by yearly accessions, and now numbers close to 1600 records. A large part of this collection is available to students at stated hours in a special listening room.

THE ALFRED PERCIVAL SMITH ROOMS in the Haverford Union are reserved for music study. There is a larger room with a Steinway Grand for the holding of classes and informal concerts organized by the Music Department, and a small library in which valuable books, scores and records are kept.

The large concerts are held in Roberts Hall where a concert piano and a Hammond organ are at the disposal of artists.

Campus

THE ARBORETUM AND THE WOOLMAN WALK, the latter the gift of Mr. Edward Woolman, '93, contain a wide variety of woody plants, both indigenous and exotic, thus permitting direct observation and study by students of the natural sciences.

THE MARY NEWLIN SMITH MEMORIAL GARDEN which adjoins the south side of the Library, while primarily developed as a decorative feature, contains a wealth of flowering shrubs of interest to the botanist.

The Bucky Foundation

THE BUCKY FOUNDATION, which has as its goal the promotion of a spiritually grounded political and economic order, and the training of responsible students for such an order, maintains an office at the College.

Income from the Foundation has been used to sponsor a Constructive Citizenship program and for the training of students through the Relief and Reconstruction Unit. It is being used to support Haverford participation in a program of week-end work camps.

Fellowships, Prizes and Honors

Fellowships

THE CLEMENTINE COPE FELLOWSHIP was established in 1899. The income is applied to "assisting worthy and promising graduates of Haverford College in continuing their studies at Haverford or at some other institute, in this country or abroad, approved by the Board of Managers. Candidates shall be nominated by the College Faculty to the Board of Managers."

The Faculty will nominate to the Board of Managers a First Cope Fellow whose stipend shall be \$1,000.00, and a Second Cope Fellow whose stipend, not in excess of \$500.00, will be determined by the Board.

THE CATHERWOOD FOUNDATION FELLOWSHIP in the sum of \$1,000.00 is to be awarded to a member of the Senior class for study during the academic year 1951-1952 in an approved graduate or professional school. This award is to be made on the basis of merit rather than of financial need. Consideration will be given to those qualities of distinction in character and intellect which indicate promise of outstanding achievement.

Applications for a Clementine Cope Fellowship or the Catherwood Foundation Fellowship must be in the hands of the President before March 1, accompanied by whatever statement of extra-curricular activities the candidate considers relevant.

GRADUATE FELLOWSHIPS.—For information regarding graduate fellowships, see page 43.

Prizes

All material submitted in competition for prizes should be deposited with the Registrar, under assumed name, with a sealed envelope containing the writer's real name, before May 1.

All prizes awarded in books are marked with appropriate bookplates. As soon as possible after the award a list of standard books, from which selection is to be made, should be submitted for approval to the head of the department awarding the prize. Books selected from the approved list may then be ordered through the College Business Office. The College grants an average discount of ten per cent on prize books, and supplies the bookplates.

ALUMNI PRIZE FOR COMPENSATION AND ORATORY.—A prize of \$50 was established by the Alumni Association in 1875 to be awarded annually for excellence in composition and oratory. Competition is open to Freshmen and Sophomores, but the same man may not receive the prize twice.

JOHN B. GARRETT PRIZES FOR SYSTEMATIC READING.—A first prize of \$50 and a second prize of \$25 will be given at the end of the Junior or Senior year to the two students who, besides creditably pursuing their regular course of study, shall have carried on the most profitable program of reading in a comprehensive topic during at least two years of their college career.

The administration of these prizes is in the hands of the Committee on Fellowships and Prizes, with which the candidate shall register and which shall approve the subject chosen. The Committee will then recommend the candidate to the department or departments to which he should apply for counsel and guidance. A written or oral examination will be arranged in the final year to determine the scope and quality of the reading.

The winners will be determined by the Committee after consultation with the departments concerned. Either or both of these prizes may be omitted if, in the judgment of the Committee, the work does not justify an award.

THE CLASS OF 1896 PRIZES IN LATIN AND MATHEMATICS.—Two prizes of \$10 each, in books, to be known as "The Class of 1896 Prizes in Latin and Mathematics," were established by the bequest of Paul D. I. Maier of the Class of 1896. They are awarded at the end of the Sophomore year to the students who have done the best work for two years in the Departments concerned.

THE LYMAN BEECHER HALL PRIZE IN CHEMISTRY.—A prize of \$100 was established by the Class of 1898 on the twenty-fifth anniversary of its graduation in honor of Lyman Beecher Hall, Professor of Chemistry at Haverford College from 1880 to 1917.

This prize may be awarded to a student who has attained a high degree of proficiency in Chemistry and who shows promise of contributing substantially to the advancement of that science. It may be awarded to a Junior, to a Senior, or to a graduate of Haverford College within three years after graduation. It may be awarded more than once to the same student, or it may be withheld.

THE CLASS OF 1902 PRIZE IN LATIN.—A prize of \$10 in books is offered annually by the Class of 1902 to the Freshman whose work in Latin, in recitation and examinations combined, shall be the most satisfactory. At the discretion of the professor in charge of the Department, this prize may be omitted in any year.

THE DEPARTMENT PRIZES IN MATHEMATICS.—A first prize of \$15 and a second prize of \$10 are awarded on the basis of a three hour examination on selected topics in Freshman Mathematics. The examination is held annually on the first Monday after the Spring Recess, and is open to Freshmen only.

THE ELLISTON P. MORRIS PRIZE.—A prize of \$40, open to all undergraduates and to graduates of not more than three years' standing, is offered annually for the best essay bearing on the general problem of "International Peace and the Means of Securing It."

THE ELIZABETH P. SMITH PRIZE.—A prize of \$40 is offered each year to the undergraduate who presents the best essay on international peace.

No prize will be awarded unless a high standard of merit is attained. Essays should be deposited with the Registrar before May 1. The judges shall be appointed by the President of the College.

For the 1950-51 competition the following subjects are offered:

1. The Possibilities and Conditions of International Peace in a World of Divergent Ideologies.
2. An Evaluation of Ghandi's Contribution to the Cause of International Peace.
3. Current Problems of Race and their Bearing upon International Peace.
4. The National and International Work Camp and its Significance as a Factor in Education for International Peace.

PRIZES IN PHILOSOPHY AND BIBLICAL LITERATURE.—A prize of \$40 and a second prize of \$25, in books, are offered annually to any student who, in the judgment of the professor in charge, does the most satisfactory outside reading in Philosophy in connection with the courses in that Department.

A prize of \$40 and a second prize of \$25, in books, are offered annually to any student who, in the judgment of the professor in charge, does the most satisfactory reading on the Bible and related subjects.

THE SCHOLARSHIP IMPROVEMENT PRIZES.—A first prize of \$50 and a second prize of \$45 are awarded at the end of the Senior year to the two students who, in the opinion of the judges appointed by the President of the College, show the most steady and marked improvement in scholarship during their college course.

THE CLASS OF 1910 POETRY PRIZES.—A first prize of \$15 and a second prize of \$10 are awarded for the best verse written by a Haverford undergraduate during the year. Typewritten manuscript, under an assumed name, should be deposited with the Registrar before May 1. The judges shall be appointed by the President of the College.

THE FOUNDERS CLUB PRIZE.—A prize of \$25 is offered and awarded annually by the Founders Club to the Freshman who is judged to have shown the best attitude toward college activities and scholastic work.

THE S. P. LIPPINCOTT PRIZE IN HISTORY.—A prize of \$100 is offered annually for competition in the Department of History under the following general provisions:

First—The prize may be withheld in any year, if the conditions listed below are not met by any of the competitors to the satisfaction of a majority of the judges.

Second—The prize shall not be awarded twice to the same student.

Third—Competition is open to Sophomores, Juniors, and Seniors who have taken or are taking work in the Department of History.

Conditions

In competition for this prize an essay of not less than 5,000 words shall be submitted as evidence of scholarly ability in the collection and presentation of historical material, treating a subject selected from a list announced by the Department of History before November 15. The essay should contain references in footnotes to the authorities consulted and a bibliography of works cited.

The essay shall be typewritten and deposited, under an assumed name, with the Registrar before May 1.

For the 1950-51 competition the following subjects are offered:

1. The Effects of the Industrial Revolution on English Laborers.
2. The Relations between Great Britain and Germany on Imperial Questions from 1882 to 1901.

3. The American Anti-Slavery Movement, 1831-1865.

4. The Neutrality Policy of the United States, 1933-1941.

THE NEWTON PRIZE IN ENGLISH LITERATURE.—A prize of \$50 established by A. E. Newton may be awarded annually on the basis of Final Honors in English, provided that the work of the leading candidate, in the judgment of the English Department, merits this award.

THE WILLIAM ELLIS SCULL PRIZE.—A prize of \$50 established in 1929 by William Ellis Scull, '83, is awarded annually to the upperclassman who shall have shown "the greatest achievement in voice and in the articulation of the English language."

THE GEORGE PEIRCE PRIZE IN CHEMISTRY OR MATHEMATICS.—A prize of \$50 in memory of Dr. George Peirce, '03, is offered annually to a student of Chemistry or Mathematics "who has shown marked proficiency in either or both of these studies and who intends to follow a profession which calls for such preparation. Preference is to be given to a student who has elected organic chemistry, and failing such a student, to one who has elected Mathematics or some branch of Chemistry other than organic. Should there be two students of equal promise, the one who is proficient in Greek shall be given preference." The prize is offered, however, exclusively for students who have expressed the intention of engaging in research.

THE MUSIC PRIZE.—A prize of \$25 is offered by an anonymous donor to that student at Haverford College who submits by May 1, 1951, to the Committee on Fellowships and Prizes the best original written musical composition. Competitors must receive no aid from any member of the music faculty or from a professional musician. The prize will not be awarded unless at least a total of five competing compositions are submitted. The award will be made by a special committee who will judge the music from the standpoint of its originality as an artistic expression and its composer's mastery of musical materials.

THE STUDENT ORGANIZATION PRIZE.—Classmates of Edmund Jennings Lee, 1942, who lost his life in the service of his country, have established in his memory a fund, the income from which is to be given annually to that student organization which, in the opinion of a committee of judges, has contributed most toward advancing the interests of the College.

Honor Societies

PHI BETA KAPPA.—The Haverford College Chapter of the Phi Beta Kappa Society of America was chartered in 1898 as Zeta of Pennsylvania. Election of members-in-course, alumni members, and Honorary members, based upon scholarly attainment and distinction, takes place at the end of the academic year. *President*: Legh W. Reid, Hon. '04; *Secretary*: Carl B. Allendoerfer, '32.

FOUNDERS CLUB.—The Founders Club was established in 1914 as a Haverford organization of students, alumni, and faculty. Election to its membership is recognition of a sound academic record combined with noteworthy participation in extra-curricular activities. Undergraduate elections are usually limited to the Junior and Senior classes. *President*: John A. Zapp, '32; *Secretary*: Kenneth M. Moser, '50.

Honors

Honors are awarded for excellence in the studies of single courses or departments. They are never given merely for performance of routine work in courses; a considerable amount of extra work is demanded in every case.

Honors are of two kinds: *Honorable Mention* in a single course, and *Final Honors* for work in a department.

Honorable Mention will be awarded at the end of the Freshman or Sophomore years for work in a single course meeting at least two hours per week throughout the year,* and additional work to the total amount of not less than 75 hours. Candidates for *Honorable Mention* must obtain a minimum grade of 85 in the regular work of the course and creditably pass an examination on the additional work required. Two courses of one semester each in the same department may be construed as a single course.

A Freshman who has received the prescribed grade in the regular work of a course required for *Honorable Mention*, but who has not done the additional work required in connection with that course, may do so, with the consent of the professor in charge, during the Sophomore year.

* *Honorable mention* is awarded in Freshman English in connection with the work of English 11-12.

Final Honors are graded as Honors, High Honors, or Highest Honors. They will be awarded upon graduation only to students whose work in a Major field of concentration has been done with marked distinction and has been more profound in its scope than the minimum required. The award of Honors is at the discretion of the Major Department, but the award of High or Highest Honors is to be made by vote of the Faculty upon recommendation of a department or a group of related departments. In order to receive High or Highest Honors, the student will usually be given a public oral examination, and for Highest Honors the verdict of an outside examiner may be obtained if it is thought desirable. The various departments and divisions will adopt such specifications for Final Honors as they see fit. Honors, High Honors, and Highest Honors shall automatically add one, two, and three points, respectively, to the average for the Senior year of each student receiving one of these awards.

General Alumni Association of Haverford College

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Meridian Club

Chancellor and Camac Sts., Philadelphia, Pa.

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<i>Treasurer</i>	JOHN C. LOBER, '27 1500 Walnut St., Philadelphia 2, Pa.

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- President*.....WILLARD E. MEAD, '26
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- Secretary*.....J. STANTON CARSON, '24
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1317 House Office Bldg., Washington, D. C.

HAVERFORD SOCIETY OF CHICAGO

President.....THOMAS FANSLER, '21
National Safety Council, 20 N. Wacker Dr., Chicago 6, Ill.

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Secretary.....GEORGE E. DUTTON, JR., '35
Equitable Trust Co., Wilmington, Del.

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840 - 22nd St., Santa Monica, Cal.

HAVERFORD SOCIETY OF NORTHERN CALIFORNIA

President.....RICHARD WISTAR, '28
Mills College, Oakland 13, Cal.

HAVERFORD SOCIETY OF ALLENTOWN

President.....HENRY H. FETTERMAN, M.D., '45
2608 Tilghman St., Allentown, Pa.

Secretary.....DAVID K. SPELT, '30
1505½ Chew St., Allentown, Pa.

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Chairman.....ROBERT W. STARR, III, '42
A. S. Aloe Co., 19th and Olive Sts., St. Louis 3, Mo.

HAVERFORD SOCIETY OF LANCASTER

Chairman.....BARTON K. FEROE, '45
924 Janet Ave., Grandview Heights, Lancaster, Pa.

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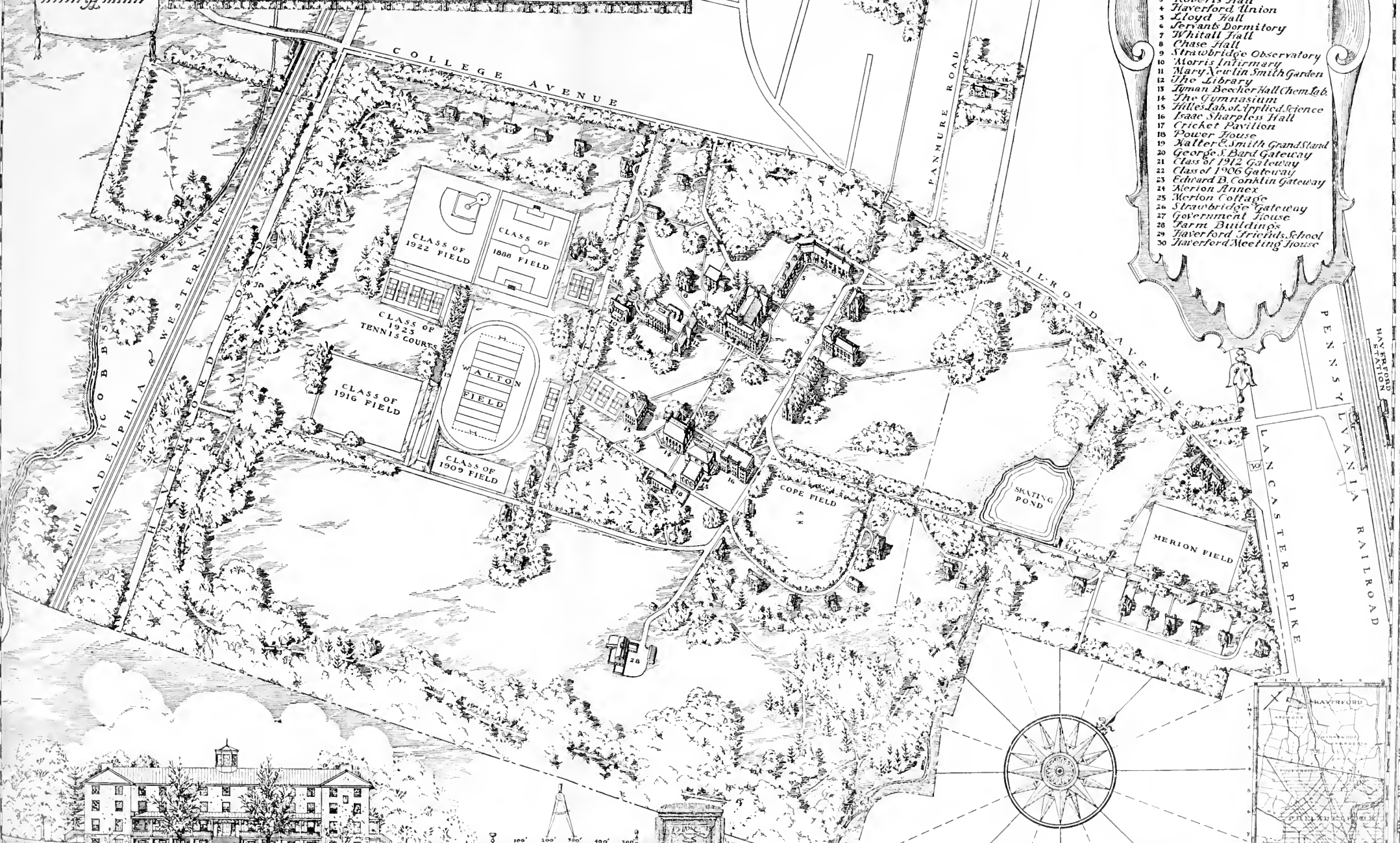




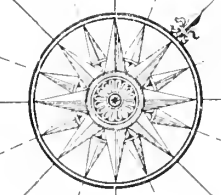
A MAP OF THE GROUNDS OF HAVERFORD COLLEGE

Founded by the SOCIETY of FRIENDS in 1833
Sited in Haverford Township, Delaware County, and in
Lower Merion Township, Montgomery County,
HAVERFORD, PENNA.

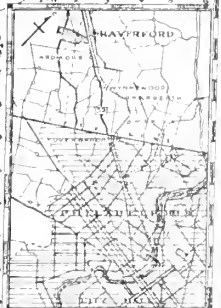
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- 1 Founders Hall
 - 2 Barclay Hall
 - 3 Roberts Hall
 - 4 Haverford Union
 - 5 Lloyd Hall
 - 6 Servants Dormitory
 - 7 Whitall Hall
 - 8 Chase Hall
 - 9 Strawbridge Observatory
 - 10 Morris Infirmary
 - 11 Mary Newton Smith Garden
 - 12 The Library
 - 13 Lyman Beecher Hall Chem Lab
 - 14 The Gymnasium
 - 15 Hill's Lab. of Applied Science
 - 16 Isaac Sharpless Hall
 - 17 Cricket Pavilion
 - 18 Power House
 - 19 Walter C. Smith Grand Stand
 - 20 George S. Bard Gateway
 - 21 Class of 1912 Gateway
 - 22 Class of 1906 Gateway
 - 23 Edward B. Conklin Gateway
 - 24 Merion Annex
 - 25 Merion Cottage
 - 26 Strawbridge Gateway
 - 27 Government House
 - 28 Farm Buildings
 - 29 Haverford Graded School
 - 30 Haverford Meeting House



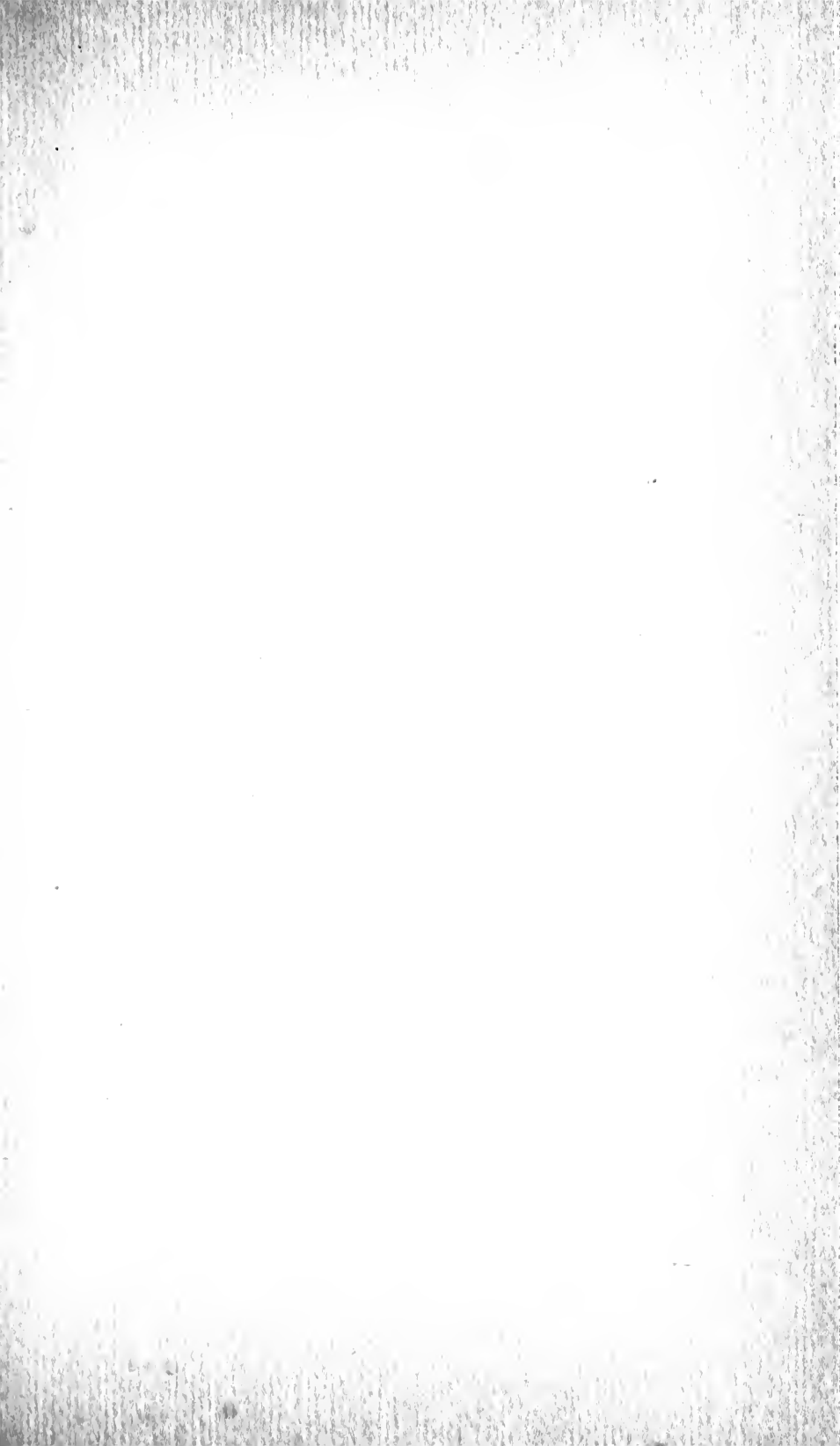
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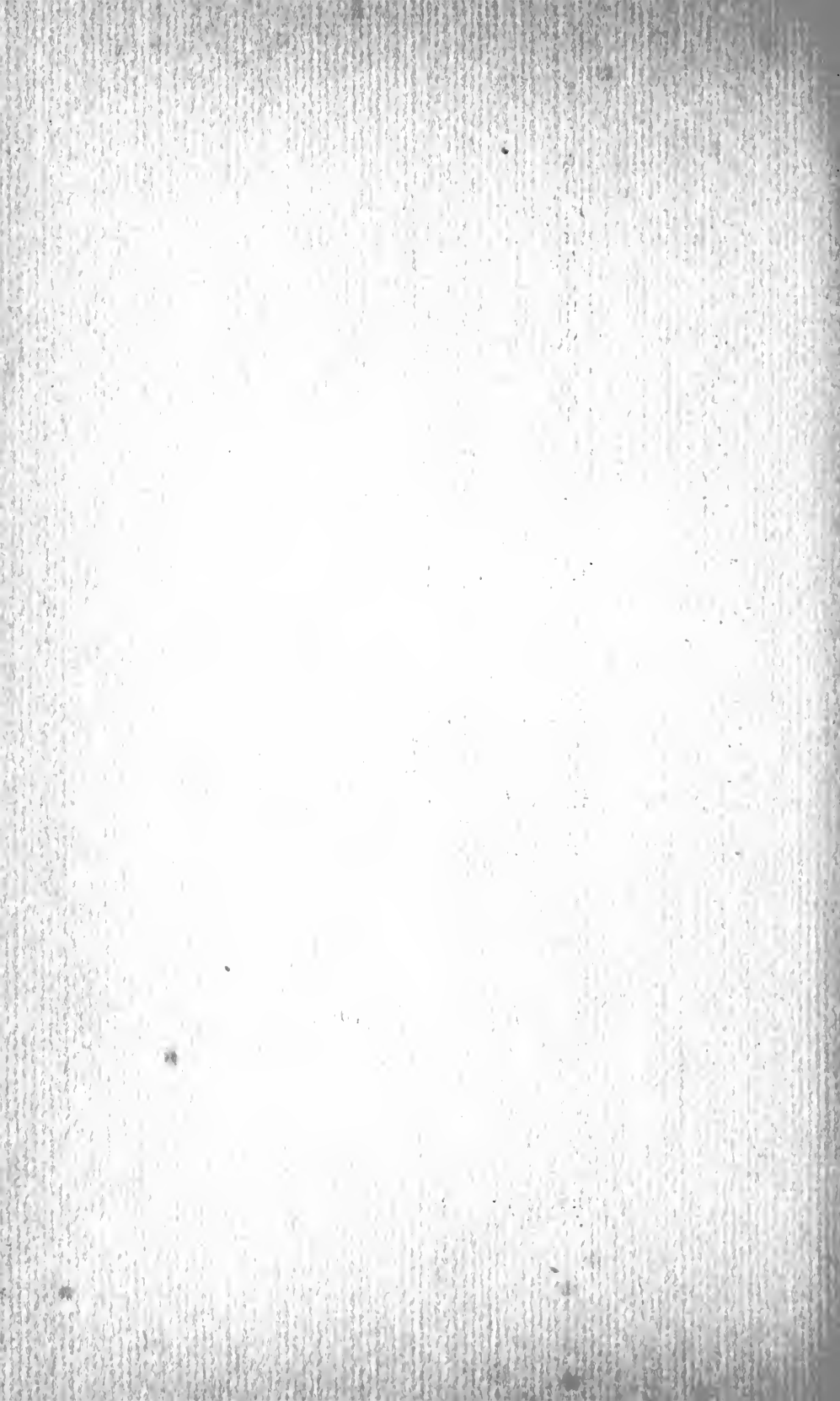


E. NELSON EDWARDS
FRUIT - 1914









Haverford College Bulletin



Directory, 1950-1951

VOLUME XLVIX

NUMBER TWO

October, 1950

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Jan.	S	M	T	W	T	F	S	April	S	M	T	W	T	F	S	
		1	2	3	4	5	6			1	2	3	4	5	6	7
	7	8	9	10	11	12	13		8	9	10	11	12	13	14	
	14	15	16	17	18	19	20		15	16	17	18	19	20	21	
	21	22	23	24	25	26	27		22	23	24	25	26	27	28	
	28	29	30	31					29	30						
Feb.	S	M	T	W	T	F	S	May	S	M	T	W	T	F	S	
					1	2	3					1	2	3	4	5
	4	5	6	7	8	9	10		6	7	8	9	10	11	12	
	11	12	13	14	15	16	17		13	14	15	16	17	18	19	
	18	19	20	21	22	23	24		20	21	22	23	24	25	26	
	25	26	27	28					27	28	29	30	31			
March	S	M	T	W	T	F	S	June	S	M	T	W	T	F	S	
					1	2	3								1	2
	4	5	6	7	8	9	10		3	4	5	6	7	8	9	
	11	12	13	14	15	16	17		10	11	12	13	14	15	16	
	18	19	20	21	22	23	24		17	18	19	20	21	22	23	
	25	26	27	28	29	30	31		24	25	26	27	28	29	30	

College Days in heavy-face type.

Calendar

1950-51

Registration of all new students.....	September 18-19
Beginning of College year with Assembly, 9 a.m.....	September 20
Registration of returning students to be filed by 4 p.m.....	September 20
First semester classes begin, 8 a.m.....	September 21
First quarter ends.....	November 11
Thanksgiving recess (dates inclusive).....	1 p.m., November 22-26
Major Registration Cards for men in the fourth term must be filed by 4 p.m.....	December 6
Registration (Spring Term).....	December 13-15
Christmas recess (dates inclusive).....	12 noon December 16-January 2
First semester classes end, 1 p.m.....	January 16
All papers assigned must be turned in by 4 p.m.*	
Senior comprehensive examinations (dates inclusive).....	January 18-20
Mid-year examinations (dates inclusive)**.....	January 22-February 3
Second semester classes begin, 8 a.m.....	February 5
Applications for fellowships for the following year must be filed by.....	March 1
Third quarter ends.....	March 24
Spring recess (dates inclusive).....	12 noon March 24-April 1
Applications for undergraduate scholarships for the following year must be filed by.....	April 15
Major Registration Cards for men in the fourth term must be filed by 4 p.m.....	April 18
Manuscripts in competition for prizes must be filed in the Registrar's Office by 4 p.m.....	May 1
Registration (Fall Term).....	May 9-11
Second semester classes end, 1 p.m.....	May 19
All papers assigned must be turned in by 4 p.m.*	
Senior comprehensive examinations (dates inclusive).....	May 21-23
Final examinations (dates inclusive)**.....	May 25-June 7
Commencement.....	June 9

*Late papers will receive no credit unless arrangements have been made *in advance* with the instructor in the course and the Dean.

**Laboratory notebooks must be turned in not later than the scheduled time of the examination in the course. Late notebooks will receive no credit unless arrangements have been made *in advance* with the instructor in the course and the Dean. In courses which have no scheduled examination, notebooks must be turned in by 4 p.m. of the fourth day preceding the end of the examination period.

STUDENT ACTIVITIES CALENDAR
1950-51

Sept.	22	Freshman Reception in Common Room
Sept.	29	Dance - Bryn Mawr
Oct.	7	Football - Ursinus (home)
Oct.	7	WHRC Dance
Oct.	14	Football - Rider (home)
Oct.	14	Soccer - Rutgers (home)
Oct.	14	Junior Show - Bryn Mawr
Oct.	18	Founders Club Freshman Reception
Oct.	20	Pennsylvania College Physics Teachers
Oct.	20	Lantern Night - Bryn Mawr
Oct.	21	Pennsylvania College Physics Teachers
Oct.	27	Soccer - Lehigh (home)
Oct.	27	Freshman Hall Play - Bryn Mawr
Oct.	28	Freshman Hall Play - Bryn Mawr
Oct.	28	Sophomore Dance
Oct.	28	Football - Hamilton. Homecoming Day
Nov.	1	Campus Day
Nov.	3	Square Dance - Bryn Mawr
Nov.	4	Football - Hobart (home). Sub-Freshman Day
Nov.	8	Soccer - Pennsylvania (home)
Nov.	10	Drama Club - Bryn Mawr
Nov.	11	Renaissance Music Conference
Nov.	11	Drama Club - Bryn Mawr
Nov.	11	Undergraduate Dance - Bryn Mawr
Nov.	11	Soccer - Franklin & Marshall (home)
Nov.	17	Alumni - Varsity Club Rally
Nov.	17	Soccer - Swarthmore (away)
Nov.	18	Football - Swarthmore (home)
Nov.	18	Varsity Club Dance
Nov.	28	Athletic Collection
Dec.	1	Actresses Anonymous - Skinner (Baldwin School)
Dec.	2	Actresses Anonymous - Skinner (Baldwin School)
Dec.	2	Basketball - Alumni
Dec.	8	Drama Club (home)
Dec.	9	Drama Club (home)
Dec.	9	Basketball - Pharmacy (home)
Dec.	10	Glee Club - Bryn Mawr
Dec.	13	Basketball - Lehigh (home)
Dec.	13	German Club Party - Skinner (Baldwin School)
Dec.	14	Christmas Party
Dec.	15	Basketball - Johns Hopkins (home)
Jan.	6	Basketball - P.M.C. (home)
Jan.	10	Basketball - Textile (home)
Jan.	12	Playwright's Night - Skinner (Baldwin School)
Jan.	13	Playwright's Night - Skinner (Baldwin School)
Jan.	17	Basketball - Drexel (home)
Jan.	20	Basketball - Delaware (home)
Feb.	9	Square Dance - Bryn Mawr
Feb.	14	Basketball - Ursinus (home)
Feb.	17	Freshman Show - Bryn Mawr
Feb.	17	Undergraduate Dance - Bryn Mawr
Feb.	21	Basketball - Swarthmore (home)
Feb.	23	Wrestling - Swarthmore (away)
Feb.	24	Glee Club & Bryn Mawr (home)
March	2	Square Dance - Bryn Mawr
March	3	Basketball - Swarthmore (away)
March	9	Class Night
March	10	Junior Prom
March	16	Drama Club - Bryn Mawr
March	17	Class Athletic Day
March	17	Drama Club - Bryn Mawr
March	20	Athletic Collection
April	5	Alumni - Senior Dinner
April	6	Square Dance - Bryn Mawr
April	6	French Club Play - Bryn Mawr
April	21	Glee Club & Bryn Mawr - Home Concert
April	21	Arts Night - Bryn Mawr
April	28	Senior Prom
April	28	World Federalists Weekend - Bryn Mawr
April	29	World Federalists Weekend - Bryn Mawr
May	4	Drama Club
May	5	Spring Day - Faculty Teas
May	5	Drama Club
May	11	Golf - Swarthmore (home)
May	12	Baseball - Swarthmore (home)
May	12	Tennis - Swarthmore (away)
May	12	Track - Swarthmore (away)
May	12	Varsity Club Dinner - Undergraduate
June	9	Alumni Day. Commencement

THERE WILL BE NO ADDITIONS OR POSTPONEMENTS WITHOUT
PRIOR ARRANGEMENTS WITH THE COMMITTEE

ACADEMIC YEAR 1950 - 1951

DIRECTORY

FACULTY AND STAFF

<u>Name</u>	<u>Residence</u> Haverford, unless otherwise noted	<u>Telephone</u> Ardmore, unless otherwise noted	<u>Office</u>
(B.M.=Bryn Mawr, H.C.=Haverford College)			
Allendoerfer, Carl B.	750 Rugby Rd., B.M.	B.M. 2568-J	Founders, Center West
Asensio, Manuel J.	500 Oakley Road	4163	Williams House
Ashmead, John, Jr.	773 College Avenue	1648-J	Whitall 14
Beard, Mabel S.	Infirmary, H. C.	3036	Infirmary
Beatty, Ethel E.	Founders Hall, H. C.	9460	Founders
Benfey, O. Theodor	2 College Lane	1779-W	Chem. Lab.
Benham, Thomas A.	3 College Lane	6044	Sharpless 101
Bernheimer, Richard M.	225 N. Roberts Rd., B.M.	B.M. 2655-J	B.M. College
Berry, Alice M.	Lincoln Highway, Berwyn	Berwyn 0225	Roberts, 2nd floor
Booth, Wayne C.	26 S. Wyoming Ave., Ardmore	5371-J	Library 40
Bowman, Claude C.	331 Hamilton Road, Merion	Cynwyd 1773-W	Whitall 12
Bramall, Norman	260 Margate Rd., Upper Darby	Blvd. 3795-R	Gymnasium
Bramall, Raymond	554 Broadview Road, Beverly Hills	Blvd. 5581	Gymnasium
Bronner, Edwin B.	536 Ryers Avenue, Cheltenham	Cheltenham 2901-R	Library, Treas. Rm.
**Cadbury, William E., Jr.	791 College Avenue	0203-W	Chem. Lab.
Carr, Edytha M.	120 Bala Avenue, Bala-Cynwyd	Cynwyd 4738-W	Roberts, 1st floor
Caselli, Aldo	6 College Circle	5562	Whitall
Chung, An-Min	328 S. 46th St., Phila.	Granite 4-1110	Chase 7
Comfort, Forrest D.	108 Chestnut Avenue, Narberth	Narberth 3717	Roberts, 1st floor
**Comfort, Howard			
Comfort, William W.	South Walton Road	0455	
Conklin, Lillian N.	22 Hannum Drive, Ardmore	1383-J	Whitall
Cooper, Bennett S.	521 Panmure Road	3254-M	Founders, East
Cross, Suzanne	Washington Lane, Jenkintown	Ogontz 0454	Library
deGraaff, Frances	Bryn Mawr College	B.M. 9103	Library 50
Docherty, Patricia	773 College Avenue	0742-J	Barclay, Bookstore
Docherty, William, Jr.	773 College Avenue	0742-J	Gymnasium
Dougherty, Anna May	1469 N. Redfield St., Phila. 31		Library
**Drake, Thomas E.			
Dunn, Emmett R.	748 Rugby Rd., B.M.	B.M. 2753	Sharpless 209
Evans, Arlington	653 E. Jamestown St., Roxborough	Rox. 8-3876-J	Gymnasium
Flight, John W.	753 College Avenue	4409-W	Sharpless 303
Foss, Martin	1a College Lane	1599	Library 49
Goldberger, Else	Crum Creek Farm, Newtown Square	Newtown Sq. 0117-R	Library
Green, Louis C.	791 College Avenue	4409-J	Observatory
Gutwirth, Madelyn	8 College Lane	5371-W	Library 39
Gutwirth, Marcel M.	8 College Lane	5371-W	Library 38
Haddleton, Alfred W.	20 Tenmore Rd., B.M.	B.M. 1235-W	Gymnasium
Haviland, H. Field, Jr.	1 College Circle	7923-W	Library 45
Haworth, Lester C.	2 College Lane	6697	Founders
Headley, Lunetta	117 Plant Ave., Wayne	Wayne 3325-M	Library

<u>Name</u>	<u>Residence</u>	<u>Telephone</u>	<u>Office</u>
	<u>Haverford, unless otherwise noted</u>	<u>Ardmore, unless otherwise noted</u>	
(B.M.=Bryn Mawr, H.C.=Haverford College)			
Henry, Howard K.	1464 Drayton Lane, Penn Wynne	3913-J	Sharpless 201
Herndon, John G.	1 College Lane	0364	Hilles, 2nd floor
Hetzl, Theodore B.	768 College Avenue	4393-W	Hilles, 2nd floor
Hewitt, Anna B.	245 S. 38th St., Phila.	Evergreen 6-4946	Library, Treas.Rm.
Hoag, Gilbert T.	Woodside Cottage, H.C.	1402-W	Roberts, 1st floor
Hocking, Wm. Ernest	739 College Avenue	0162	Library 41
Holland, Louise	415 W. Price Street Germantown, Phila.	Germantown 8-0518	Library 51
Holmes, Clayton W.	36 Railroad Avenue	7202-J	Hilles, 1st floor
Holmes, Mildred	2153 Mary Lane, Broomall		Founders
Hunter, Holland	5 College Circle	3732	Library 42
Jackson, Sidney	774 Millbrook Lane	7995-R	Observatory
Jones, Thomas O.	36 Railroad Avenue	6908-J	Chem. Lab.
Jordan, Katherine	Beechwood Apts., Narberth	Narberth 8-8599	Whitall
Kelly, John A.	3 College Lane	4160	Whitall 11
Kipping, M. Patricia	Waterloo Rd. & Highland Ave., Devon	Wayne 3434	Whitall
Lanza, Phyllis	2616 E. County Line Rd., Ardmore	7005-M	Founders
Lester, John A., Jr.	36 Railroad Avenue	3168	Library, 1st floor
Lockwood, Dean P.	2 College Circle	6554-W	
Lunt, William E.	5 College Lane	1507-W	Whitall 10
MacIntosh, Archibald	3 College Circle	0961	Roberts, 2nd floor
Malécot, André	527 Montgomery Avenue	2073-R	French House
Meldrum, William B.	747 College Avenue	0881-J	Chem. Lab.
Michaels, John I., Jr.	317 N. Chester Road, Apt. 3-N, Swarthmore	Swarthmore 6-7286	
Moore, Maris	Merion Manor, Merion	Merion 5315	Roberts, 1st floor
Mulder, Marjorie	774 Millbrook Lane	7995-R	Observatory
Oakley, Cletus O.	Featherbed Lane	7347-W	Founders, East
Palmer, Frederic, Jr.	1 College Lane	6878	
Parker, Francis H.	R.F.D., Berwyn	Berwyn 0792-M	Library 43
Pepinsky, Abraham	7 College Lane	5324	Sharpless 108
Pfund, Harry W.	624 Overhill Road, Ardmore	5532	Whitall 8
Pickett, Clarence E.	Plush Mill Road, Wallingford	Media 6-1090	
Pitt, Carol V.L.	811 Old Lancaster Road, Bryn Mawr	B.M. 0310	Roberts, 1st floor
Post, Amy L.	361 Lancaster Avenue	1643-M	Library
Post, L. Arnold	9 College Lane	0258-M	Library 51
Ralph, Esther	Sproul Road, Malvern R.F.D. 2	Malvern 2563-R2	Library
Randall, Roy E.	Coach House, H. C.	7818-W	Gymnasium
Rantz, J. Otto	2122 Chestnut Ave., Ardmore		
Reese, Ruth H.	205 Marlboro Rd., Ardmore	8788	Library
Reese, William H.	5 College Circle	3732	Union, Music Room
Reid, Ira DeA.	2 College Lane	7764	Whitall 12
Ricci, Rose	131 Poplar Ave., Wayne	Wayne 2642	Whitall
Rittenhouse, Leon H.	6 College Lane	5522	
Roche, John P.	619 Walnut Lane	2788-R	Library 46
Rosenstock, Irwin M.	214 Bryn Mawr Avenue, Bryn Mawr	B.M. 1371-W	Sharpless 307
Rossi, Antoinette	Lincoln Highway, Paoli	Paoli 2278	Whitall
Sands, Melissa	359 Righters Mill Road, Gladwyne		Founders

**Sanford, Fillmore H.

<u>Name</u>	<u>Residence</u> Haverford, unless otherwise noted	<u>Telephone</u> Ardmore, unless otherwise noted	<u>Office</u>
(B.M.=Bryn. Mawr, H.C.=Haverford College)			
Sargent, Ralph M.	4 College Circle	3339	Whitall 7
Schroeder, Seaton	418 St. Davids Road, St. Davids	Wayne 0224	Whitall
Snyder, Edward D.	36 Railroad Avenue	0712	Chase 3
Somers, Herman M.	521 Panmure Road	6769-W	Founders, West
Steer, Alfred G., Jr.	43 W. Berkley Avenue, Lansdowne	Madison 3-6992	Library 44
*Steere, Douglas V.	739 College Avenue	0162	Library 41
Stefan, Marie	4837 Cedar Ave., Phila.	Granite 2-2845	Whitall
Street, James H.	1 College Lane	8026-J	Chase 7
Sutton, Richard M.	785 College Avenue, facing Walton Road	0742-W	Sharpless 104
Swan, Alfred	519 Walnut Lane, Swarthmore	Swarthmore 6-6142	Union, Music Room
Taylor, Dr. Herbert W.	457 Lancaster Avenue	2383	Infirmary
Teaf, Howard M., Jr.	3 College Lane	4049-J	Whitall 9
Tomber, Marvin L.	31 Hannum Drive, Ardmore	0655-M	Hilles, 2nd floor
Unsold, Albrecht	51 Founders Hall, H.C.		Observatory
Warren, Richard H.	Barrie Road, Ardmore	6613-J	Library 48
**Watson, Frank D.			
White, Gilbert F.	1 College Circle	4642	Roberts, 2nd floor
Wilson, Albert H.	765 College Avenue	1853	Founders, Center West
Wilson, Norman M.	49 Rittenhouse Pl., Ardmore	4036	Hilles Lab.
Wishmeyer, William H.	417 Lancaster Avenue	7892-M	Sharpless 301
Wonson, Gertrude M.	112 Mondela Avenue, B.M.		Roberts, 2nd floor
Woodroofe, Kenneth S.	52-53 Founders Hall, H.C.	8218-R	Founders, 3rd fl. East
Wrenn, John H.	Spring Mill Rd., Villa Nova	B.M. 3578-J	Chase 3
**Wylie, Laurence W.			

* Indicates absence during first semester.

** Indicates absence during whole academic year.

COLLEGE OFFICE AND BUILDING TELEPHONES

All telephones below may be reached by calling Ardmore 6400 unless otherwise noted

- Admissions Office (Roberts Hall):
 Archibald MacIntosh, Director of Admissions
 Gertrude M. Wonson, Assistant to the Director of Admissions
- Alumni Office (Founders Hall): Bennett S. Cooper, Secretary
 Assistant to the President: Bennett S. Cooper
- Barclay Hall, North (Pay Station) 9506
 Barclay Hall, Center (Pay Station) 9459
 Barclay Hall, South (Pay Station) 9508
- Biology Laboratory (Sharpless Hall): E. R. Dunn, H. K. Henry.
- Bookstore (Barclay Hall): Patricia Docherty, Manager
- Business Office (Whitall): Aldo Caselli, Comptroller and Business Manager
 Lillian Nellen, Secretary to the Comptroller
 Rose Ricci, Clerk
 Antoinette Rossi, Bookkeeper
 Marie Stefan, Cashier
- Campaign Office (Founders Hall): Lester Haworth, Manager
- Chase Hall: A. M. Chung, E. D. Snyder, J. H. Street
- Chemistry Laboratory: O. T. Benfey, W. E. Cadbury Jr.**, T. O. Jones, W. B. Meldrum
- Dean's Office (Roberts Hall): Gilbert T. Hoag, Dean
 Maris Moore, Secretary to the Dean
- Dietitian (Founders Hall): Ethel E. Beatty
- Engineering Laboratory (Hilles): J. G. Herndon, T. B. Hetzel, C. W. Holmes,
 M. L. Tomber, N. M. Wilson
- Faculty Secretary (Whitall): M. Patricia Kipping
- Founders Hall, East (Pay Station) 9460
 Founders Hall, Dormitory (Pay Station) 9533
- Founders Hall, Offices: C. B. Allendoerfer, C. O. Oakley, H. M. Somers, A. H. Wilson,
 K. Woodroofe
- French House, 8 College Lane; Offices: Marcel M. Gutwirth, Director . (Pay Station) 9613
 A. Malécot
- Gymnasium Offices: W. Docherty Jr., A. W. Haddleton, R. E. Randall
- Haverford Union (Pay Station) 9514
- Hilles Laboratory of Applied Science (Engineering)
- Infirmary: Herbert W. Taylor, M.D., College Physician
 Mabel S. Beard, R. N.
- Kitchen (Pay Station) 9544
- Library: John A. Lester, Librarian
 Circulation Desk
 Treasure Room: T. E. Drake **, E. Bronner, Anna B. Hewitt
- Library Offices: W. Booth, F. deGraaff, M. Foss, Madelyn Gutwirth, Marcel Gutwirth,
 H. F. Haviland Jr., W. E. Hocking, L. Holland, H. Hunter.
 J. A. Lester Jr., F. H. Parker, L. A. Post, J. P. Rache, A. G. Steer Jr.,
 D. V. Steere*, R. H. Warren, L. W. Wylie**
- Lloyd Hall, 4th Entry (Smith) Rooms 1-16 (Pay Station) 9520
 Lloyd Hall, 8th Entry (Leeds) Rooms 17-38 (Pay Station) 9628
- Maintenance and Operation Office (Whitall):
 Seaton Schroeder, Superintendent
 Katherine J. Jordan, Secretary to the Superintendent
- Merion Annex (Pay Station) 9561
- Observatory: L. C. Green, S. Jackson, A. Unsold
- Physics Laboratory (Sharpless Hall): T. A. Benham, R. M. Sutton
- Placement Bureau: Bennett S. Cooper, Director
- Power House. (Pay Station) 9540
- President's Office (Roberts Hall): Gilbert F. White, President
 Alice M. Berry, Secretary to the President
- Psychology Laboratory (Sharpless Hall): A. Pepinsky, I. M. Rosenstock, F. H. Sanford**
- Publicity Director: Lester Haworth
- Radio Club: Station WHRC (Haverford Union) 7461
- Registrar's Office (Roberts Hall): Edytha Carr, Acting Registrar
 Carol Pitt, Clerk
- Scul House, 521 Panmure Road (Dormitory) (Pay Station) 9516

Sharpless Hall: Biology Laboratory: E. R. Dunn, H. K. Henry
 Physics Laboratory: T. A. Benham, R. M. Sutton
 Psychology Laboratory: A. Pepinsky, I. M. Rosenstock, F. H. Sanford**
 Offices: H. Comfort**, J. W. Flight, W. H. Wishmeyer
 Union Hall: W. H. Reese, A. Swan
 Vice Presidents: Lester Haworth; Mildred Holmes, Secretary (Founders Hall)
 Archibald MacIntosh; (Roberts Hall)
 Whitall Hall: J. Ashmead Jr., J. A. Kelly, W. E. Lunt, H. W. Pfund, I. Reid,
 R. M. Sargent, H. M. Teaf Jr.
 Williams House, 500 Oakley Road, Offices: M. J. Asensio, Director-(Pay Station) . . . 9428
 Yarnall House, 500 Panmure Road (Dormitory) 9512

COLLEGE TELEPHONE SERVICE

When there is an operator at the switchboard (9:00 a.m. to 5:00 p.m. Monday through Friday, 9:00 a.m. to 12:30 p.m. on Saturday, none Sunday) any of the offices listed below can be reached by calling Ardmore 6400.

When there is no operator on duty, use the following telephone numbers.

- Ardmore 6400 Dietitian; Maintenance and Operation Office
- Ardmore 6401 Library; Registrar
- Ardmore 6402 Chemistry Laboratory; Physics Laboratory
- Ardmore 7031 Campaign Office; Lester Haworth
- Ardmore 3761 President's Office
- Ardmore 3036 Gymnasium; Infirmary
- Ardmore 1942 Archibald MacIntosh; Admissions Office

FACULTY OFFICE TELEPHONES

The offices of most of the members of the Faculty may be reached by calling Ardmore 6400 during the hours when there is an operator at the switchboard.

*Indicates absence during second semester.

**Indicates absence during whole academic year.



STUDENTS IN THE COLLEGE

In the last column is given the number of the student's dormitory room:

Bc for Barclay Center	L. for Lloyd Hall
Bn for Barclay North	M.A. for Merion Annex
Bs for Barclay South	M. for Merion Hall
F. for Founders Hall	S.H. for Scull House
F.H. for French House	W.H. for Williams House
	Y.H. for Yarnall House

(NOTE: The number in parenthesis after the name indicates the term in which student is enrolled during first semester 1950-51)

Name Home Address College Address

A

ABBOTT, H. David (7)	Linwood, New York	23 F
ADAM, Albert C. Jr. (4)	2924 Morris Rd., Ardmore, Penna.	Day
ADAM, Pierre A. (1)	Laurel Rd. Box 23, Laurel Springs, N. J.	8 FH
ADIMORA, S. Nwanneka (8)	Eziama, Odidama, Agulu, Awka, Nigeria, British West Africa	11 M
ALLAN, William D. (6)	115 No. 8th Ave., Coatesville, Penna. Local Address: c/o Deanery, Bryn Mawr College, Bryn Mawr, Penna.	Day
ALLEN, Reginald E. (3)	843 Ormond Ave., Drexel Hill, Penna.	Day
ALLISON, A. Reid, Jr. (2)	2413 North "B" Street, Tampa 6, Fla.	35 Bc
AMMANN, William B. (1)	3927 Henry Ave., Philadelphia (29), Pa.	52 Bn
AMUSSEN, Donald S. (6)	9301 Kensington Parkway, Chevy Chase 15, Maryland	22 L
ANDERS, Wilhelm F. (7)	Huttenstrasse 45 (20B) BAD, Lauterberg/Harz - Germany Local Address: c/o Mrs. Grace Pruitt, Chamounix Road, St. Davids, Penna.	Day
ANDERSON, Roy S. (3)	112 E. 11th Street, New York, N. Y.	34 Bc
ANDERSON, Thomas M. (3)	39 West Montgomery Avenue, Rockville, Maryland	2 F
ARMSTRONG, Charles S. (1)	8117 Park Crest Drive, Silver Spring, Maryland	11 Bs
ARTHUR, Robert S. (Gr)	33 Hartington Road, Chiswick, London W 4, England Local Address: 757 College Ave., Haverford, Penna.	Day
ATKINSON, Robert W. (5)	Apt. 3, 136 W. Wayne Ave., Wayne, Pa.	Day
AUSTIN-SMALL, Peter O.C., (5)	2 Grandview Circle, Pleasantville, New York	8 L
AUTENREITH, Laurence H. (7)	920 Wellesley Rd., Pittsburgh, Pa.	25 L

Name	Home Address	College Address
B		
BAIR, Harry H. (3)	Greenwood Road, McKees Rocks, Pa.	20 L
BAIR, William L. (5)	811 West Street, Homestead, Pa.	29 L
BALTZELL, Richard Benson (7)	2001 Hillside Dr., Columbus, Ohio	18 L
BARNES, Richard K. (5)	R.D. #2 Monument Valley, Great Barrington, Mass.	22 WH
BARTLETT, Charles A. III (1)	3910 Winchester Ave., Atlantic City, N. J.	42 Bc
BASIUK, Victor (5)	710 W. Berks Street, Philadelphia 22, Penna.	Day
BAUR, Philip J. (5)	Witchwood Farm, North Wales RD. 1-14, Penna.	30 F
BEATTY, J. David (1)	2017 N. 7th Street, Philadelphia 22, Pa.	53 Bn
BELL, Bertrand F. Jr. (1)	Loudonville, New York	60 Bn
BELL, John E. (7)	Milton, New York	8 F
BELLINGER, Edgar T. (7)	5615 Moorland Lane, Bethesda, Maryland	25 L
BENJAMIN, Philip S. (1)	214 Windermere Avenue, Wayne, Penna.	Day
BENTON, John F. (3)	99 Branch Street, Mount Holly, N. J.	41 Bc
BERMAN, Albert A. (Gr.)	30 Rodman Street, Providence, R. I. Local Address: Pendle Hill, Wallingford, Penna.	Day
BIBBINS, Martin W. (1)	25 Blossom Heath Road, Williamsville, N. Y.	51 Bn
BIEN, Peter A. (5)	3902 47th Street, Sunnyside, N. Y.	17 M
BIRDSALL, C. Benson (6)	55 Park Street, Haverhill, Mass.	102 MA
BITTEL, William H. (1)	105 Kensington Avenue, Trenton 8, N. J.	58 Bn
BLEDSE, Carter D. (3)	1505 Grace Church Rd., Silver Spring, Maryland	29 L
BLISS, Howard (5)	154 Church Street, Middletown, Conn.	5 Bs
BOCKOL, Joel M. (3)	1321 Levick Street, Philadelphia 11, Penna.	21 F
BOGER, William M. (5)	341 Cumberland Street, Lebanon, Penna.	11 L
BOOKHAMMER, Robert S. Jr. (1)	Merion Manor, Merion, Penna.	Day
BOTELER, William P. (7)	1301 H Street, N. W., Washington, D. C.	26 L
BOURNE, Richard B. (1)	3460 N. Summit Ave., Milwaukee 11, Wisconsin	63 Bn
BOYD, James C. (7)	3494 N. Shepard Ave., Milwaukee, Wisconsin	22 L
BREWER, Talbot M., Jr. (1)	Anna Maria, Florida	6 Bs

Name	Home Address	College Address
BRIOD, Andre E. (4)	Hillsboro, N. H.	35 Bc
BROADBELT, B. Donald (4)	164 W. Albemarle Ave., Lansdowne, Penna.	Day
BROBYN, Richard D. (3)	3455 Midvale Ave., Phila., Penna.	Day
BROWN, James D. Jr. (7)	2902 Manoa Rd., Honolulu 54, T. H.	20 L
BROWN, Joseph C. (7)	Salem Pike, Mount Royal, N. J.	Day
BROWN, Malcolm S. (3)	596 Delaware Ave., Buffalo 2, N. Y.	28 Bc
BROWN, Robert DeP. (7)	478 Manheim Street, Philadelphia 44, Penna.	Day
BULL, Robert L. (1)	207 South Cassidy Road, Columbus 9, Ohio	4 Bs
BURGE, John McD., Jr. (3)	2560 Dell Rd., Louisville 5, Ky.	18 L
BURTON, John C. (1)	130 East End Ave., New York City 28, N. Y.	6 Bs
BURTT, Howard G. (2)	3410 Warden Drive, Philadelphia, 29, Penna.	7 F
BUTLER, Robert G., 3rd. (5)	c/o Col. R. G. Butler, Jr. US ARAL (ARDLO), APO 942, c/o Postmaster, Seattle, Washington	21 L

C

CADWALLADER, Gouverneur (7)	Abandoned Farm, Solebury, Bucks Co., Penna.	38 L
CAMERON, Richard M. (7)	Barrett's Mill Rd., (Box 166), Concord, Mass. Local Address: 515 Michigan Ave., Swarthmore, Penna.	Day
CARLSON, Oscar W., Jr. (6)	825 Wellington Rd., Baltimore 12, Md.	17 L
CARPENTER, E. Kearney (1)	7200 N. Barnett Lane, Milwaukee 11, Wisconsin	63 Bn
CASKEY, David H. (3)	318 Logan Street, Rockford, Illinois	13 Bs
CATES, Paul B. (7)	East Vassalboro, Maine	39 Bc
CHANDLER, Donald, Jr. (5)	3347 East Beltline, N. E., Grand Rapids, Michigan	7 L
CHANDLER, Gail E. (3)	325 West 77th St., New York, N. Y.	5 L
CHASE, Robert S., Jr. (5)	336 Oak Road, Glenside, Penna.	10 L
CLARK, David V. (3)	Chamberlain Highway, Kensington, Connecticut	13 Bs
CLARK, Robert S. (1)	38 North Goodman Street, Rochester 7, N. Y.	52 Bn
CLAYTON, Allen B. (8)	49 E. Providence Road, Lansdowne, Penna.	3 L
COATES, George M. (Spec.)	518 W. Beechtree Lane, Wayne, Penna.	Day
COLLINS, Robert McV. (5)	Broadlea Farm, Bhinebeck N. Y.	11 L

Name	Home Address	College Address
COLMAN, Samuel Jr. (7)	159 Chapin Street, Binghamton, N. Y.	17 L
COMFORT, W. Wistar (1)	5 College Circle, Haverford, Pennsylvania	12 M
CONANT, Richard K. Jr. (7)	South Lincoln, Massachusetts	4 L
CONE, Sydney M., III (5)	1607 Carlisle Road, Greensboro, North Carolina.	34 L
CONKLIN, William T., III (7)	Apt. 2-C, 22 Hannum Drive, Ardmore, Penna.	Day
COONEY, John J. (7)	Paoli, Penna.	Day
COOTE, Robert J. (3)	6706 Exeter Rd. Bethesda 14, Maryland	10 Bs
CORRY, John P. (3)	216 Townsend Ave., Pelham Manor, N. Y.	5 L
CORSON, Richard H. (3)	107 W. Broad Street, Paulsboro, N. J.	31 L
CRAGIN, Harold I. (7)	2 Morris Street, Merchantville, N. J.	47 Bc
CRAIG, Henry Douglas (1)	3201 Unruh Ave., Phila. 24, Penna.	25 Bc
CRAIG, Paul P. (1)	232 N. 5th Street, Reading, Penna.	7 Bs
CRAWFORD, James D. (1)	337 Wister Road, Wynnewood, Penna.	Day
CRICHLow, Robert W. (3)	411 W. Rosemary Lane, Falls Church, Virginia	34-35 WH
CUMMINS, Peter W. (5)	Bon Air Drive, Sidney, Ohio	34 L
CURRAN, Robert T. (3)	2 Montague Terrace, Brooklyn 2, N. Y.	12 L
CURTIS, Nevius M. (7)	Cold Hill, Granby, Mass.	16 L
CUTTING, Hunter G. (7)	309 Sherman St. Rockford, Ill.	32 WH

D

DARLINGTON, William H. (5)	126 Montrose Ave., Rosemont, Penna.	10 L
DAVIES, D. Elwyn (7)	4908 W. Street, N. W., Washington 7, D. C.	9 F
DAVIS, William B. (3)	Rainelle, W. Va.	5 L
DAVISON, John H. (7)	606 West 122nd Street, New York 27, N. Y.	4 L
DAYTON, Allan S., Jr. (6)	852 Valley View Rd., Pittsburgh 16, Penna.	25 L
DEACON, Drew W. (7)	40 W. Walnut Lane, Phila. 44, Penna.	15 Bs
DEATON, Hugo L. (3)	520 Old Orchard Road, Baltimore 29, Maryland	13 Bs
DEATON, L. Crosby (8)	520 Old Orchard Road, Baltimore 29, Maryland	15 Bs

Name	Home Address	College Address
de BERRY, Joseph G. (1)	Sonora, Texas	14 Bs
DENMAN, David N. (2)	The Old House Pittsburgh 16, Penna.	24 L
DENNISON, Stanford C. (7)	RD #2 Box 120, Jeannette, Penna.	17 L
DEWEES, Allen H. (7)	Sweetwater Farm, Glen Mills, Pa.	1 L
DEWEES, David A. (4)	2333 Haverford Rd, Ardmore, Penna. Apt. #B	Day
DIBBLE, Joseph S. (3)	3145 - 19th Street, N. W., Washington 10, D. C.	34-35 WH
DIETEL, John F. (Spec.)	45 West Buffalo Rd., Churchville, New York	34 YH
DODGE, John L. (7)	Orangeburg, N. Y.	20 L
DOLBEARE, Kenneth M. (7)	295 Stewart Ave., Garden City N. Y.	3 L
DOWNING, Hugh S. (2)	427 Market Street, Salem, Virginia	40 Bc
DUNN, Howard M. (1)	South St., Litchfield, Conn.	19 Bs
DVORKEN, Leo (2)	435 West Fifth Ave., Roselle, N. J.	33 L

E

EAGLETON, Sterling J. (1)	615 St. Andrews Lane, Silver Spring, Maryland	11 Bs
EBERLY, Richard J. (7)	608 Elm Terrace, Riverton, N. J.	3 L
EDGERTON, Philip (7)	College Ave., Haverford, Penna.	1 L
EDMISTON, Robert B. (7)	200 High Street, State College, Penna.	19 L
ELLER, Richard W. (5)	21 Greeley Avenue, Sayville, Long Island, N. Y.	11 L
ELLIOT, William A. (5)	479 Beacon St., Manchester, N. H.	13 F
ENGLAR, Thomas S., Jr. (1)	Medford, Maryland	62 Bn
ERICSON, James W. (3)	R.F.D.#1 Bethel, Conn.	12 L
EUSTER, Roger (1)	1227 Missouri Ave., Washington 11, D. C.	7 M
EVANS, Arthur (Spec.)	Awbury, Philadelphia	Day
EWALD, Henry P. (5)	2100 19th Street, N. W., Washington 9, D. C.	33 YH
EXTON, Fred Jr. (7)	4519 Davenport St, N. W., Washington, D. C.	105 MA

F

FALGE, Raymond L. (3)	5 Thoreau Dr., Bethesda 14, Md.	23 L
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Name	Home Address	College Address
FARRELL, Austin J. (1)	151 Harvard Ave., Rockville Centre, N. Y.	21 Bs
FASCIONE, Daniel R. (3)	2530 So. 20th Street, Philadelphia 45, Penna.	22 Bs
FEESER, P. Thomas (7)	P. O. Box 150, Schuylkill Haven, Penna.	2 L
FEESER, Robert P. (1)	P. O. Box 150, Schuylkill Haven, Penna.	21 Bs
FELSTINER, James P. (1)	330 Oxford Rd., New Rochelle, N. Y.	61 Bn
FERNANDEZ, Kenneth L. (3)	4604 Davenport Street, N. W., Washington 16, D. C.	30 L
FEY, Curt (6)	Coopertown Rd., Haverford, Pa.	36 Bc
FIFE, John D. (7)	Colonial House, Castle Point, Hoboken N. J.	34 L
FINKELSTEIN, Larry J. (1)	2308 74th Ave., Philadelphia 38, Penna.	40 Bc
FITHIAN, William W. (3)	8th and Oak Streets, Millville, N. J.	30 L
FLANDERS, Philip J. (8)	773 E. Shawmont Ave., Philadelphia 28, Penna.	11 L
FLANNERY, Frank J., Jr. (2)	908 Susquehanna Ave., West Pittston, Penna.	9 FH
FLIGHT, J. William, Jr. (3)	753 College Ave., Haverford, Penna.	Day
FOLEY, Robert T. (5)	Seminole Hotel, Winter Park, Florida	15 L
FORD, Floyd F., Jr. (7)	Valley View Manor, Berwyn, Penna.	Day
FORKER, E. Lee (3)	Rawlins Run Road, Pittsburgh 15, Penna.	7 FH
FORSTER, Stanley A. (1)	1637 Madison St. N. W., Washington, D. C.	59 Bn
FORSYTHE, Thomas R. (5)	Locust Lane Farm, Medford, N. J. Local Address: 105 Cheswold Lane, Haverford, Penna.	Day
FOSTER, Marshall J. (4)	32 Pine Ave., Madison, N. J.	17 M
FOULKE, David S. (1)	111 Forest Avenue, Ambler Penna.	69 Bn
FRANKE, Robert J. (5)	2905 Guilford Avenue, Baltimore 18, Maryland	21 L
FRANTZ, Charles (Grad.)	Box 230 Rocky Ford, Colorado Local Address: Pendle Hill, Wallingford, Penna.	Day
FRAZER, Joseph H. (2)	R. D. #2, Havre de Grace, Maryland	14 M
FREEMAN, Robert W. (7)	19 Cherry Lane, Caldwell, N. J.	16 L
FRENCH, James C. (7)	206 Washington Ave. Haddonfield, N. J.	44 Bc
FREUND, Gerald (5)	91 Payson Ave., New York 34, N. Y.	32 YH
FRINK, Orrin (1)	706 Sunset Road, State College, Penna.	7 M

Name	Home Address	College Address
FRY, Charles L. (1)	37 Beckwith Terrace, Rochester 10, N. Y.	38 Bc
FULLER, David S. (2)	109 West Avenue, East Rochester, New York	12 L
FULLER, George Cain (3)	5037 Florence Ave., Philadelphia 43, Penna.	Day
FURTH, Montgomery T. (1)	21 Pond Hill Road, Chappagua, N. Y.	71 Bn

G

GAGE, William H. (1)	5930 N. 11th Street, Philadelphia 41, Penna.	Day
GAILEY, Joseph A. (5)	401-A Roosevelt Ave., York, Penna.	8 L
GARBATY, Thomas J. (7)	20 Murray Hill Rd., Scarsdale, N. Y.	15 Bs
GARDINER, John B. (7)	614 Pembroke Rd., Bryn Mawr, Penna.	8 F
GARDNER, Peter C. (1)	Box 229 Cumberland Hill, Manville, Rhode Island	13 M
GARRISON, Harry E., Jr. (7)	729 Levick Street., Philadelphia 11, Penna.	45 Bc
GARRITY, John F. Jr. (2)	5209 Overbrook Avenue, Philadelphia 31, Penna.	21 YH
GATCH, M. McCormick (1)	Woodville Pike, Milford, Ohio	50 Bn
GECKELER, Edwin O. (7)	1312 Medford Rd., Wynnewood, Penna.	Day
GETMAN, Burrill M., Jr. (5)	251 Crestwood Rd., Cowesett, Rhode Island	36 L
GILPIN, Vincent, Jr. (4)	Apple Hill, West Chester, Penna.	48 Bc
GLATZER, Robert A. (1)	18 West 70th Street, New York City, N. Y.	10 FH
GOLDSMITH, Thomas H. (3)	1207 Wagner Ave., Philadelphia 41, Penna.	28 L
GOLDSTEIN, Joel B. (1)	76 Riverside Drive, Wilkes-Barre, Penna.	67 Bn
GONTRUM, Peter B. (1)	Dulany Valley Rd., Towson 4, Maryland	50 Bn
GOOD, Roger C. (2)	117 E. Woodbine Street, Chevy Chase 15, Md.	23 L
GOODALL, Homer R. (3)	11 Warfield Street, Upper Montclair, N. J.	28 Bc
GRANT, Edgerton (5)	R.F.D. No. 1, Bonnie Burn Rd., Scotch Plains, N. J.	17 Bs
GRAY, William S. (5)	2140 Chestnut Ave., Ardmore, Penna.	Day
GREEN, Arthur (Grad.)	Beech Lee, Lurgan Co., Armagh, N. Ireland Local Address: Pendle Hill, Wallingford, Penna.	Day
GREENE, Charles M. (5)	230 Chemung Street, Corning, N. Y.	15 L
GREENE, Joseph H. (5)	522 Rock Glen Dr., Wynnewood, Penna.	Day

Name	Home Address	College Address
GREENWOOD, Richard J. (5)	1216 Stirling Street, Coatesville, Penna.	25 Bc
GRIFFITH, Charles D. (7)	South Ave. Ext., Bradford, Penna.	13 L
GRIMM, David L. (1)	1512 Melrose Ave., Havertown, Penna.	Day
GROVE, Bruce A. Jr. (1)	Country Club Road, York, Pennsylvania	7 Bs
GUNDRY, Richard K. (3)	4200 Tuscany Road, Baltimore 10, Maryland	26 Bc
GUTTMACHER, Jonathan A. (5)	2704 Queen Anne Road, Baltimore 16, Maryland	10 L

H

HAINES, William F. (3)	7115 Llanfair Road, Upper Darby, Penna.	Day
HALBERSTADT, Robert L. (1)	Old Gulph Road, Rosemont, Penna.	Day
HALL, R. Tucker (4)	4425 West 6th Street, Topeka, Kansas	104 MA
HALPERN, Eli B. (5)	336 S. Smedley Street, Philadelphia, 3, Penna.	Day
HAMMOND, Robert A., Jr. (5)	1264 Lincoln Rd., Columbus 12, Ohio	9 L
HANKAMER, Peter R. (1)	318 Walnut Ave., Greensburg, Penna.	67 Bn
HANSELL, Norris (3)	2800 Darby Road, Havertown, Penna.	28 L
HANSEN, Christian M. (1)	1408 Baird Ave., Camden 3, N. J.	54 Bn
HANSEN, Willard B. (7)	12 East 87th Street, New York 28, N. Y. c/o Jacobi	11 F
HARDMAN, Keith J. (1)	5329 Angora Terrace, Philadelphia, Penna.	Day
HARDY, Daniel W. (5)	R.F.D. #1, Salisbury, Connecticut	9 L
HARING, Lee (6)	310 West 55th Street, New York 19, N. Y.	1 Bs
HARPER, David H. (5)	191 Race Street, Denver, Colo.	15 F
HARRIS, Donald B. (7)	5501 Moorland Lane, Bethesda 14, Maryland	25 L
HARRIS, John C. (3)	1316 Alexander Ave., Chambersburg, Penna.	24 L
HARRISON, Earl G. (1)	Moylan - Rose Valley, Penna.	7 Bs
HARVEY, Walter F. A. (4)	112 Chamounix Rd., St. Davids, Penna.	Day
HAVILAND, Peter R. (4)	28 Pennock Terrace, Lansdowne, Penna.	9 L
HEBERTON, Craig (5)	Haverford Gables, Haverford, Penna.	Day
HELLER, Martin F. (1)	2 Heller Drive, Montclair, N. J.	23 WH
HELLWEGE, Conrad F. (3)	3428 Warden Drive, Philadelphia 29, Pennsylvania	37 L

Name	Home Address	College Address
HELWEG, Joseph E., Jr. (3)	463 York Road, Jenkintown, Penna.	22 L
HENNE, Earl J. (5)	923 W. Erie Ave., Philadelphia, 40, Penna.	16 F
HERZEL, Frank B., Jr. (5)	St. Petersburg, Penna.	11 M
HETZEL, Frederic V. (5)	768 College Ave , Haverford, Penna.	Day
HIBBERD, Edward N., Jr. (5)	1422 Orchard Way, Rosemont, Penna.	47 Bc
HICKMAN, Herbert W. (3)	829 Osage Road, Pittsburgh 16, Penna.	37 L
HILLIS, Jon K. (3)	2200 VanDorn Street, Lincoln, Nebraska	30 L
HISS, John G. F. (1)	811 Park Street, Syracuse 8, N. Y.	60 Bn
HITCHCOCK, John R. (3)	Grassy Hill, Lyme, Conn.	22 Bs
HOEHLER, Harry H. (7)	Pugh Road, Strafford, Penna.	2 L
HOLCOMBE, John L. (8)	239 Mill Road, Havertown, Penna.	Day
HOLLINGSHEAD, J. Paul (3)	309 Chestnut Street, Moorestown, N. J.	18 L
HOLLINGSWORTH, Edward (1)	132 Colfax Road, Havertown, Penna.	12 Bs
HOLLMANN, Bruce Z. (2)	39-26 213 Street, Bayside, L. I., N. Y.	56 Bn
HOOD, Austin, C. (Grad.)	1010 Langham Ave., Camden 3, N. J.	15 M
HOOPES, Charles D. (7)	5500 Moorland Lane, Bethesda, Md.	44 Bc
HOWORTH, Harmon P. (1)	638 Oakwood Lane, Rock Hill, South Carolina	59 Bn
HOWSON, Hubert F (3)	6 Summit Avenue, Bronxville 8 N. Y.	38 Bc
HUDSON, James W. (5)	1401 Lincoln Street, Evanston, Ill.	10 F
HUDSON, S. W. Grafflin (7)	44 Waller Avenue, White Plains, N. Y.	32 L
HUENE, Herbert A. (3)	93-30 224 Street, Queens Village, New York, N. Y.	10 SH
HUFFMAN, Richard M. (7)	117 Shadow Road, Chevy Chase 15, Maryland	26 L
HUME, John M. (7)	550 Beverly Blvd., Upper Darby, Penna.	22 L
HUMMEL, Jonathan A. (1)	109 W. Broadway, Salem, N. J.	14 Bs
HUMMEL, Lee C., Jr (2)	109 W. Broadway, Salem, N. J.	37 L
HURTUBISE, Wayne C. (3)	6 Strathmore Road, Havertown, Penna.	Day
HUTTON, Robert W. (1)	42 Rosedale Road, Overbrook Hills, Phila. 31, Penna.	Day

I

IKEDA, Mitsuo (3)	114	MA
Evesboro Road, Marlton, N. J.		
INGLES, James Duncan (1)		Day
33 Hanley Rd., Overbrook Hills, Phila. 31, Penna.		
ISAY, Milton Henry, Jr. (3)	22	Bs
1230 Squirrel Hill Ave, Pittsburgh (17), Penna.		
IVES, Robert T. (5)		Day
540 E. St. Davids Ave., St. Davids, Penna.		

J

JAMES, Donald W. Jr. (5)	17	F
43 Fairview Ave., Port Washington, N. Y.		
JAMESON, Fredric R. (1)	54	Bn
116 White Horse Pike, Haddon Hts., N. J.		
JARDINE, William, II (7)		7a F
110 Summit Ave., Upper Darby, Penna.		
JENNEY, Peter B. (4)		9 L
625 Haydock Lane, Haverford, Penna.		
JOHNSON, A. Clark (5)	21	L
Ridgecrest Farm, Coatesville, Penna.		
JOHNSON, L. Morris (1)	61	Bn
1235 West Main Street, Smethport, Penna.		
JOHNSTON, Robert A. (4)		6 L
25th Street, Brigantine, N. J.		
JOLLIFFE, Norman, Jr. (1)	67	Bn
910 Park Ave., New York, N. Y.		
JONES, E. Arnold (5)	101	MA
Hector's River, Jamaica B.W.I.		
JONES, Richard I (1)	12	Bs
139 Ellis Rd., Havertown, Penna.		
JONES, Roger F. (5)		Day
2617 St. Davids Lane, Ardmore, Penna.		
JOWERS, Victor T. A. (7)	18	Bs
17 Sudbury Pk. Mansions, Sudbury Town, Wembley, Middlesex, England		

K

KAHN, Stephen J. (2)		Day
376 Bleecker St., New York, N. Y.		
Local Address: c/o R. M. Sutton, 757 College Ave., Haverford, Penna.		
KALISHEVSKY, Arkady (7)		Day
27 S. Wyoming Ave, Ardmore		
KALODNER, Howard I. (1)	51	Bn
1520 Spruce Street, Philadelphia, 2, Penna.		
KAYE, William G. (1)		6 Bs
8 Dwight Street, Brookline 46, Massachusetts		
KEETZ, Edward J. (7)		Day
Hilldale Road, Villanova, Penna.		
KEETZ, Frank M. (5)		Day
Hilldale Road, Villanova, Penna.		

Name	Home Address	College Address
KELLY, John H. (1)	1517 30th Street. N. W., Washington (7), D. C.	50 Bn
KELSEY, David H. (1)	1005 Baily Rd., Yeadon, Penna.	Day
KEMMERER, John L. (7)	Residence Park, Palmerton, Penna.	49 Bc
KEYSER, James M. B., Jr. (1)	48 Westview Street, Philadelphia 19, Penna.	Day
KIDNEY, Walter C., Jr. (2)	8 Johnson Court, Philadelphia 44, Penna.	Day
KILLIAN, John R., Jr. (5)	40 West Wyomissing Avenue, Mohnton, Penna.	32 L
KIMMICH, F. Scott (7)	20 Tenmore Rd., Haverford, Penna.	Day
KIMMICH, Homer M. (Spec.)	20 Tenmore Rd., Haverford, Penna.	Day
KINDIG, Stephen, J. (1)	243 E. Market Street, York, Penna.	31 Bc
KING, John W. (3)	6918 Lynford Street, Philadelphia 24, Penna.	33 L
KIRK, Donald G. (4)	200 South Street, Morristown, N. J.	121 MA
KIRK, Morris L. (Grad.)	Columbiana. Ohio Local Address: R.D. #4, West Chester, Penna. c/o W. Balderston	Day
KIRK, Richard A. (5)	200 South Street, Morristown, N. J.	121 MA
KITTREDGE, John A. D. (2)	3409 "O" Street, N.W., Washington 7, D. C.	27 L
KLAVER, Martin A., Jr. (1)	Thompson's Bridge Road, R.D. #2, Wilmington, Delaware	4 M
KLEIN, Paul Richard (1)	3202 C. Marshall Road, Drexel Hill, Penna.	Day
KOCH, Heinz F. (1)	3026 Cheltenham Ave., Philadelphia 19, Penna.	20 Bs
KOHLER, Fritz P. (4)	402 English Village, Wynnewood, Penna.	Day
KOPF, Theodore J. (3)	19 S. Legion Terrace, Lansdowne, Penna.	Day
KRATZ, Wayne T. (7)	206 Stanton Rd., Wildwood Crest, N. J.	110 MA
KUMM, Karl W. G. (3)	393 Main Street Chatham, N. J.	21b F
KUNKEL, Robert B. (7)	138-23 250 Street, Rosedale 10, L. I.	24 F

L

LAFER, Dennis J. (3)	20 Highland Ave., Maplewood, N. J.	33 L
LAITY, Richard W. (Grad.)	105 Elliott Place, East Orange, N. J.	107 MA
LAMPERTI, John W. (3)	320 Crestmont Road, Upper Montclair, N. J.	32 Bc
LAMPHERE, George E. (5)	3000 39th Street, N. W., Washington 16, D. C.	4 FH

Name	Home Address	College Address
LANDE, Peter W. (5)	Cherry Lawn, Darien, Conn.	12 F
LANE, George W. (2)	344 Titicut Street, State Farm, Massachusetts	30 Bc
LANE, Richard T., Jr. (3)	Kingwood Park, Poughkeepsie, N. Y.	38 Bc
LEDEBOER, John W., Jr. (3)	327 Lindenwold Ave., Ambler, Penna.	39 Bc
LEEDS, Robert W., Jr. (2)	Haddon Hall, Atlantic City, N. J.	29 Bc
LEGER, F. Treville (3)	P. O. Box 385, Pensacola, Fla.	23 Bs
LEGGETT, John M. (3)	6632 Ridgeville Street, Pittsburgh 17, Penna.	16 Bs
LEIB, Gilbert M. P. (7)	136 Dwight Street, New Haven 11, Conn.	113 MA
LEIBOLD, Arthur W. (3)	1011 Mulberry Street, Ottawa, Illinois	12 SH
LEONARD, Lawrence M. (5)	24 Moss Hill Rd., Jamaica Plain, 30, Boston, Mass.	5 F
LEWIS, Andrew L., Jr. (2)	Worcester, Penna.	Day
	Local Address: Haverford Manor Apts., Haverford, Penna.	
LIBBY, Edward K. (7)	2900 Conn. Ave., N. W., Washington, D.C.	9 FH
LIGHTFOOT, Clark T. (7)	Richboro, Penna.	116 M A
LINGEMAN, Richard R. (3)	203 Wallace Avenue, Crawfordsville, Indiana	16 Bs
LINTHICUM, Somervell (3)	110 South Washington Street, Rockville, Maryland	14 L
LISSFELT, Mark C. (1)	1515 Shady Ave., Pittsburgh 17, Penna.	16 M
LITTLE, Frank J. (2)	65 Nunda Blvd., Rochester 10, N. Y.	24 Bs
LODER, John E. (3)	144 Main Street, Hingham Mass.	16 Bs
LOEB, Eric (5)	1 West 85th Street, New York 24, N. Y.	6 F
LOEBELLENZ, Donald E. (5)	511 Cowell Avenue, Oil City, Penna.	72 Bn
LOECHEL, Lloyd O. (5)	543 Chestnut Street, Columbia, Penna.	33 WH
LOGAN, Robert G. (3)	1710 Cambridge Rd., Ann Arbor, Michigan	32 Bc
LOOMIS, Eliot P. (2)	Ruxton 4, Baltimore, Maryland	29 L
LOUCKS, Walter B. (6)	McClellan Hts., M.R. #42, York, Penna.	23 YH
LUSSON, Louis C. O. (Spec.)	Whitehall Apts., Haverford, Penna.	Day

M

MACBETH, C. Edward (4)	Berwyn and Aiken Aves., Berwyn, Penna.	Day
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Name	Home Address	College Address
MacDONALD, Donald G. (1)	2418 E. Menlo Blvd., Milwaukee 11, Wisconsin	16 M
MACTYE, David C. (5)	5040 Lakeview Drive, Miami Beach, Florida	35 L
MARBLE, William J. (4)	1417 W. Broadway, Enid, Oklahoma	10 M
MARCH, Robert M. (1)	W. Valley Green Rd., Whitemarsh, Penna.	6 L
MATHIS, James L. (7)	2225 Locust Street, Philadelphia, Penna.	Day
MATHSSON, Bertil Gustaf (Grad.)	Kooperativa, Yttermalung, Sweden Local Address: c/o Williams, St. Mary's Church, Ardmore, Penna.	Day
MATLACK, William F. (7)	3400 W. School Lane, Philadelphia 44, Penna.	13 L
MATTESON, Robert S. (3)	24 North Oakwood Terrace, New Paltz, N. Y.	7 FH
MATTHEWS, Norman E. (1)	216 North Condlar Street, Decatur, Georgia	31 Bc
MATTSON, Norman DeW. (2)	Wood Road, Braintree, Massachusetts	11 SH
MAYER, David Paul (5)	Apple Creek, Ohio	36 Bc
McCARGAR, Donald E. (6)	32 So. Valley Rd., Paoli, Penna.	Day
McCARN, Davis B. (8)	1011 13th Street, Wilmette, Ill.	32 L
McCURDY, Kenneth F. (2)	5721 Stanton Ave., Hiland Park, East Liberty, Pitts. 6, Pa.	24 L
McGARITY, Daniel F. (1)	36 Revere Road, Drexel Hill, Penna.	Day
McKENZIE, Alfred B. (5)	716 Paru Street, Alameda, Calif.	8 M
McNUTT, Thomas R. (7)	226 Fairlamb Avenue, Havertown, Penna.	Day
MEAD, Richard K. (5)	11 Horseguard Lane, Scarsdale, N. Y.	19 L
MEADS, William C. (1)	102 South Charles Street, Red Lion, Penna.	51 Bn
MELCHER, William D. Lober (5)	Malvern R.D. 1, Penna.	Day
MELCHER, William P. (6)	26 Linwold Drive, West Hartford 7, Conn.	112 MA
MESSICK, Ralph R. (5)	121 Warren Street, Beverly, N. J.	5 Bs
MILES, Frank V. (5)	2285 Lansing Ave., Salem, Oregon Local Address: 405 W. Front St., Media, Penna.	Day
MILLER, David B. (3)	1407 Linwood Avenue, Ann Arbor, Michigan	6 M
MILLER, Franklin R. (1)	1623 County Line Road, Villanova, Penna.	Day
MILLER, Harold A. S. (4)	7502 Colonial Road, Brooklyn 9, N. Y.	22 YH

Name	Home Address	College Address
MILLER, Kenneth L. (1)	312 Jefferson Street, Cape May, N. J.	60 Bn
MILLIGAN, Barton (7)	842 Cedar Terrace, Westfield, N. J.	14 L
MILLSPAUGH, Frederick W., Jr. (3)	327 Windsor Avenue, Haddonfield, New Jersey	28 L
MILNER, Paul C. (5)	140 Cole Court, Peoria 5, Ill.	15 L
MILYKO, Alexander B. (7)	Washington Avenue, Bayville, L. I., N. Y.	16 L
MOORE, Paul W. (2)	Box 125, North Pembroke, Massachusetts	31 L
MORAN, Robert E. (6)	R.F.D. #3, Bethesda 14, Md.	2 Bs
MORCHAND, Charles A. (1)	111 East 88nd Street, New York 28, N. Y.	8 FH
MORGAN, Lee (1)	3702 Livingston Street, Washington 15, D. C.	66 Bn
MORLEY, Anthony J. (7)	1 Wetherill Road, Washington 16, D.C.	32 YH
MORRIS, Lawrence C., Jr. (3)	1301 Jackson Street, Wilmington, Delaware	31 L
MORRISON, H. William (3)	109 Spring Grove Rd., Pittsburgh 21, Penna.	7 F
MOSES, Paul B. (7)	358 West Spring Avenue, Ardmore, Penna.	Day
MURDOCH, Guy Charles (5)	144 W. Penn Street, Philadelphia 44, Penna.	Day
MUSSER, Frederic O. (7)	c/o Mr. Burton A. Knerr, Quakertown, Penna.	6 FH
MUTH, Dawson F. (1)	16 Maple Avenue, Shillington, Penna.	68 Bn
N		
NASH, George (3)	4136 Bigelow, Pittsburgh 13, Penna.	34-35 WH
NELSON, Kenneth R. (5)	U.S. Marine Hospital, Brighton, Mass.	14 M
NEVITT, Robert L. (3)	Wilson Street & Hillside Drive, Carlisle, Penna.	29 Bc
NEWBOLD, Richard W. (5)	140 Madison Ave., Mount Holly, N. J.	36 L
NEWTON, R. Scott (4)	Emlenton, Penna.	9 M
NORRIS, Richard A., Jr. (5)	3308 Legation St., N. W., Washington, D. C.	24 YH
NORTON, Nicholas (5)	North Westchester, Conn.	35 L
O		
OBEREMBT, Richard J. (6)	4037 N. Downes Ave., Milwaukee 11, Wis.	15 L
OLIVER, Peter (4)	30 Lakeview Drive, Moorestown, N. J.	4 L
O'NEALL, David C. (2)	320 Kennedy Place, Crawfordsville, Indiana	23 Bs

Name	Home Address	College Address
O'NEILL, Howard T. (7)	Box 57, Huntingdon Valley, Penna.	13 L
OPPENHEIM, Daniel P. (Grad.)	3029 "O" Street, N. W., Washington 7, D. C. Local Address: c/o Miss. M. Clothier, 24 Buck Lane, Haverford, Penna.	Day
OSLER, Frederic B., Jr.(4)	Waterford, Virginia	120 MA

P

PATTERSON, Edward B., Jr. (7).	34 Lenape Rd., Colwick, Merchantville, N. J.	6 L
PAULSON, John F. (7).	64 Petteys Ave., Providence, R. I.	32 L
PECKHAM, Victor A., Jr. (1).	701 Osage Rd., Pittsburgh 16, Penna.	55 Bn
PEDEN, James C., Jr. (7)	3855 So. Utica, Tulsa, Oklahoma	16 L
PENICHE, William M. (7)	30-47 81 Street, Jackson Heights, N. Y.	48 Bs
PEPPER, William Jr. (1).	20 E. Bells Mill Rd., Philadelphia 18, Penna.	3 Bs
PERHAM, George P. (5)	199 Lorraine Ave., Upper Montclair, N. J.	35 L
PEROT, T. Morris, 4th (2).	East Mill Rd., Flourtown, Penna.	28 L
PERRY, David R. (1)	127 Centre St., Milton, Mass.	4 Bs
PHILIPS, Robert N. (5)	500 Lee Ave., Webster Groves, Mo.	24 YH
PIKE, Burton E. (5)	65 Rowena Road, Newton 59, Mass.	9 Bs
PIOTROW, F. Jackson (3)	62 Manor Parkway - Apt. A. Rochester 20, New York	12 L
POOLE, Nathaniel K. (1)	105 Mansfield Ave., Darien, Conn.	70 Bn
PRAGER, Lutz A. (1)	3504 Callaway Ave., Baltimore 15, Maryland	66 Bn
PROCKOP, Darwin J. (7)	Route 2, #3, Palmerton, Penna.	1 F
PUTNEY, W. Taylor, III (7)	3409-83 St. Jackson Heights, N. Y.	14 L

Q

QUILLEN, R. James, Jr. (7).	110 West 6th Street, New Castle, Delaware	26 L
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R

RANCK, James B., Jr. (5)	324 West College Terrace, Frederick, Maryland	46 Bc
REED, H. Edward (3)	19 Bishops Lane, Short Hills, N. J.	18 L
RENINGER, Charles W., Jr. (Spec.)	128 So. St. Cloud Street, Allentown, Penna. Local Address: 33 Glenbrooke Road, Ardmore, Penna.	Day
RENO, Russell R., Jr. (1)	714 Register Ave., Baltimore 12, Maryland	71 Bn

Name	Home Address	College Address
RENTSCHLER, Thomas B. (1)	685 Marcia Avenue, Hamilton, Ohio	58 Bn
RETTEW, John B. (1)	28 Old Eagle School Rd., Strafford, Penna.	6 L
REYNOLDS, Robert R. (2)	Baldwin, Maryland	27 L
RICH, Edward P. (3)	830 Buck Lane, Haverford, Penna.	Day
RICHIE, David A. (3)	Oakbourne Road, West Chester, Penna.	12 SH
RICHTER, Harry E. (3)	6257 North 4th Street, Philadelphia 20, Penna.	21 YH
RICKERT, Hiram D., Jr. (1)	"Windfields", Yardley - R.D., Penna.	23 L
RICKETTS, William P. (1)	38 Rose Avenue, Madison, New Jersey	23 L
RIDGEWAY, Robert G. (1)	425 W. Chelton Ave., Philadelphia 44, Penna.	69 Bn
RITTENHOUSE, P. Neel (5)	Stomally, Box 343, West Chester, Penna.	20 F
ROBERTS, Clifford E., Jr. (3)	Seneca, Montgomery County, Maryland	4 F
ROBERTS, Francis H. (7)	St. Davids, Penna.	Day
ROBERTS, Garrett, Jr. (4)	110 Lorraine Ave., Upper Montclair, N. J.	111 MA
ROBERTSON, Walter G. (6)	Rt. 1, Box 164, Port Blakely, Wash.	19 F
ROBINSON, Charles N. (2)	334 Louella Ave., Wayne, Penna.	Day
ROSE, Carl H. (3)	714 Greenleaf Ave., Wilmette, Illinois Local Address: Woodside Cottage, Haverford College, Haverford, Penna.	Day
ROSENBAUM, C. Peter (5)	1195 Asbury Ave., Winnetka, Illinois	34 L
ROTHERMEL, Rodman J. (1)	2205 Third Street, Norristown, Penna.	Day
RUDDICK, C. Townsend, Jr. (1)	23 West High St., Painesville, Ohio	66 Bn
RUFF, John K. (1)	471 West 21st Street, New York City 11, N. Y.	34 Bc
RUTH, Thomas N. (4)	701 Cathedral Street, Baltimore 10, Md.	120 MA

S

SACHS, Stephen H. (1)	3408 Forest Park Avenue, Baltimore 16, Maryland	53 Bn
SAIDEL, Burton R. (3)	820 Audrey Pl., Dayton, Ohio	38 L
SCHEFFEY, Andrew J. W. (6)	450 Merion Rd., Merion Station, Penna.	Day
SCHERER, Robert C. (3)	349 Allegheny Street, Jersey Shore, Penna.	10 SH
SCHLEGEL, George D. (2)	434 Sunset Road, West Reading, Penna.	7 FH

Name	Home Address	College Address
SCHMITZ, J. Peter (3)	219 Harrison Avenue, Ferguson 21, Missouri	26 Bc
SCHOFER, Charles E. (1)	901 Franklin Street, Wyomissing, Penna.	61 Bn
SEARLE, C. Stanley (7)	129 Winchester Rd., Merion Sta., Penna.	Day
SEARS, Donald F., Jr. (7)	349 Lincoln Ave., Williamsport, Penna.	19 L
SEAVER, David B. (1)	Prospectville, Penna.	19 Bs
SEAVER, Paul S. (1)	Prospectville, Penna.	62 Bn
SECHREST, Robert C. (2)	24 Sumner Road, Wellesley Hills 82, Mass.	24 Bs
SEELEY, Robert A. (1)	878 Central Ave., Hammonton, N. J.	10 M
SEELEY, Robert T. (3)	61 E. Stewart Ave., Lansdowne, Penna.	21b F
SEGAL, Richard M. (7)	7801 Bayard Rd., Philadelphia 19, Penna.	Day
SHANKS, Hershel (5)	255 Jefferson Avenue, Sharon, Penna.	33 L
SHARP, John V. A. (5)	180 Ames Ave., Leonia, N. J.	22 YH
SHARPLESS, F. Parvin (7)	585 N. School Lane, Lancaster, Penna.	3 L
SHIPLEY, Paul E. (7)	8105 Ardmore Ave., Philadelphia 18, Penna.	33 Bc
SHOEMAKER, J. Howard III (7)	87 Garden Street, Garden City, N. Y.	13 L
SHUMAN, Labron K. (3)	1130 Lakeside Ave., Philadelphia 26, Penna.	32 WH
SILVER, Philip W. (1)	129 Maplewood Ave., Philadelphia 44, Penna.	69 Bn
SILVER, Richard W. (1)	18 Point Crescent, Malba, L.I., N. Y.	3 Bs
SINGH, Amar (1)	c/o The Hon'ble Mr. Jaidal Singh, 10 Windsor Place, New Delhi, India.	64 Bn
SMITH, Allen J. (8)	Wyndham Drive, Mounted Route 42, York, Penna.	115 MA
SMITH, John N. (2)	Fort Washington Ave., Ambler, R.D. #1, Penna.	6 FH
SMITH, Richard B. (1)	Madison Avenue, Fort Washington, Penna.	68 Bn
SOLEM, G. Alan (5)	625 N. Elmwood, Oak Park, Illinois	8 L
SOMERNDIKE, John Mason (3)	67 South St. Rockport, Mass.	30 Bc
SORG, W. Roger (5)	40 South Munn Avenue, East Orange, N. J.	7 L
SPAETH, Karl H. (7)	7021 Clearview Street, Philadelphia 19, Penna.	32 WH
STAHL, F. C. Greeley (6)	Harvard Club, 27 West 44th St., New York City 18, N. Y. Local Address: 777 Hillbrook Lane, Haverford, Penna.	Day

Name	Home Address	College Address
STANDING, Herbert C. (Grad.)	Route 1-A, Earlham, Iowa Local Address: Pendle Hill, Wallingford, Penna.	Day
STANMYER, Joseph L., Jr. (Grad.)	702 E. Willow Grove Ave., Philadelphia 18, Penna.	Day
STANSBURY, Philip R. (3)	7010 Fairfax Road, Bethesda 14, Maryland	14 L
STEELE, Edward M. (1)	236 E. Benedict Ave., Havertown, Penna.	Day
STEELEY, John E., Jr. (3)	1527 Garfield Ave., Wyomissing, Penna.	31 WH
STEERE, Peter K. (7)	409 E. Ridge Street, Marquette, Michigan	49 Bc
STEERE, Thomas H. (7)	505 Wayne Ave., Waynesboro, Va.	1 L
STEIN, Joseph H. (3)	4 Hamilton Road, Glen Ridge, New Jersey	12 SH
STERN, Albert F. (1)	101 North Chatsworth Avenue, Larchmont, New York	38 L
STERNER, Paul L., Jr. (5)	1234 Pelhamdale Ave., Pelham Manor 65, N. Y.	36 L
SUDLOW, George J. (1)	370 Rounfort Road, Mt. Airy, Philadelphia 19, Penna.	Day
SUTCLIFFE, Robert (7)	2569 East Coral Street, Philadelphia 25, Penna.	Day
SUTTON, Robert L. (7)	785 College Ave., Haverford, Penna.	1 L

T

TABBUTT, Fred D. (3)	7108 Wayne Ave., Upper Darby, Penna.	Day
TABOGA, Diogenes A. H. (7)	5412 Wayne Ave., Philadelphia 44, Penna.	Day
TAPKE, Peter F. (5)	8609 Woodbrook Lane, Chevy Chase, Maryland	31 YH
TASSMAN, William S. (7)	6540 Wissahickon Avenue, Philadelphia 19, Penna.	33 Bc
TAYLOR, Howard G. III (3)	Taylor Lane, Riverton, N. J.	41 Bc
THOMAS, John W. (7)	104 Rose Lane, Haverford, Penna.	Day
THOMAS, Lewis J., Jr. (3)	40 Rockglen Rd., Overbrook Hills, Philadelphia 31, Penna.	Day
THOMAS, T. Darrah (1)	26 East Bradley Lane, Chevy Chase 15, Maryland	21 Bs
THORAN, Peter K. (6)	7 Reichenhaller Strasse, Schmargendorf, Berlin, Germany Local Address: 623 Walnut Lane, Haverford, Penna.	Day
TICE, Gregory (3)	222 Morrison Ave., Salem, N. J.	32 Bc
TODD, George F., Jr. (1)	2932 Oakford Rd., Ardmore, Penna.	Day
TOLLIN, Solis (7)	16 Meredith Rd., Philadelphia 31, Penna.	21 F
TOMEK, John R. (3)	42 Melrose Place, Montclair, N. J.	42 Bc

Name	Home Address	College Address
TOTAH, Nabil M. (5)	402 S. Washington Ave., Whittier, Calif. Local Address: 757 College Ave., Haverford, Penna.	Day
TOWNSEND, Wilson, L., Jr. (5)	32 Fawcett St., Kensington, Md.	18 F
TREYNOR, Jack L. (7)	4247 Oakland Ave., Council Bluffs, Iowa	2 L
TRUMP, Charles E. (3)	503 Baird Road, Merion Station, Penna.	Day
TRUMPER, David K. (7)	155 Summit Lane, Bala-Cynwyd, Penna.	22 F
TRUMPER, John Y. (1)	155 Summit Lane, Bala-Cynwyd, Penna.	53 Bn
TUCKER, Robert N. (7)	The "Lagoon", Paget East, Bermuda	109 MA

V

VAIL, Philip C. (8)	502 W. Front, Media, Penna.	Day
VANCE, Philip G. (3)	848 So. Park Ave., Springfield, Ill.	12 SH
VAN SICKLE, James H. (3)	403 E. Jefferson St., Crawfordsville, Ind.	23 Bs
VAUGHAN, Clark A (7)	Gate House, Milton Academy, Milton, Massachusetts Local Address: 765 College Ave., Haverford, Pa.	Day
VEDOVA, Harold F. (8)	76 Sherman Ave., Glen Ridge, N. J.	22 F
VENEZIALE, Carlo M. (1)	1622 South Broad Street, Philadelphia, Penna.	Day

W

WALTON, John G. (1)	309 S. 21st Street, Brigantine, N. J.	59 Bn
WARNATH, Allan D. (1)	208 Edgewood Ave., New Castle, Penna.	68 Bn
WATSON, William B. (1)	19 Standish Road, Rosslyn Farms, Carnegie, Penna.	13 M
WELSH, Charles N. (7)	9 Tunbridge Rd., Haverford, Penna.	Day
WERNER, Ervin R., Jr. (1)	620 Willowbrook Rd., Havertown, Penna.	Day
WERNER, Gordon (3)	1130 Sherman Avenue, New York 56, N. Y.	37 L
WESTHEAD, Edward W., Jr. (7)	St. Davids, Penna.	Day
WHEATON, Dan A. (1)	153 1/2 E. 74th Street, New York City, N. Y.	5 M
WHITAKER, Robert C., Jr. (5)	109 Hewett Rd., Wyncote, Penna.	14 F
WHITE, Christopher (1)	Westtown, Pennsylvania	4 M
WHITE, Courtland Y. (2)	Cywood, Birchrunville, Penna.	6 M
WILBUR, D. Elliott, Jr.(7)	115 Penna. Ave., Bryn Mawr, Penna.	2 L

Name	Home Address	College Address
WIGHTMAN, William A. (3)	1905 Grand Ave., Keokuk, Iowa	30 L
WILLIAMS, Bryan McC. (1)	3722 Warren Street, N.W., Washington 16, D. C.	58 Bn
WILLIS, David P. (5)	62-65 Saunders Street, Forest Hills, L.I., New York	4 L
WILLOUGHBY, Alan T. (7)	6239 Homer Street, Philadelphia 44, Penna.	19 L
WILMORE, Jacques E. (Grad.)	3751 North Bouvier Street, Philadelphia 40, Penna. Local Address: Pendle Hill, Wallingford, Penna.	Day
WILSON, Frederick T. (5)	5736 Harper Avenue, Chicago 37, Illinois	122 MA
WILSON, Richard E. (5)	Garland Road, Concord, Mass.	8 M
WILSON, William C. (1)	Grahampton Lane, Greenwich, Connecticut	55 Bn
WINN, Mitchell (3)	Stoney Hill Road, New Hope, Penna.	12 SH
WINSTON, Rudolph, Jr. (1)	5163 Haverford Avenue, Philadelphia 39, Penna.	3 F
WIRT, John B. (4)	Clifton Ave., Toms River, N. J. Local Address; 240 W. Montgomery Ave., Haverford, Penna.	Day
WOLF, Howard L. (1)	Meetinghouse Road, Jenkintown, Penna.	69 Bn
WOLF, Jean L. (1)	50 Central Park West, New York City 23, N. Y.	38 L
WOLL, John W., Jr. (5)	Oak Dale Farm, Newtown, Penna.	15 L
WOLL, Peter (1)	Oak Dale Farm, Newtown, Penna.	20 Bs
WOOD, Peter H. (3)	R.F.D. Far Hills, New Jersey	24 L
WOOD, Richard R., Jr. (3)	272 West Main Street, Moorestown, N. J.	37 Bc
WOOD, Thomas A. (2)	415 N. Franklin Street, West Chester, Penna.	122 MA
WOODWARD, Thomas M., Jr. (4)	3044 P. Street N.W., Washington 7, D. C.	7a F
WREN, John C. (1)	317 College Ave., Bluefield, W. Va.	70 Bn
WURSTER, Charles F., Jr. (5)	309 Chew Street, Philadelphia 20, Penna.	30 F

Y

YOUNG, Donald L. (5)	9120 Lake Rd., Grosse Ile, Michigan	22 WH
YOUNG, Robert K. (2)	1165 5th Ave., New York City 29, N. Y.	37 Bc
YOUNG, Walter G. (4)	168 Malling Drive, Rochester, N. Y.	103 MA

Z

ZERRER, John G. (7)	235 Waverly Road, Wyncote, Penna.	46 Bc
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Students arranged by Term in which they are
enrolled during the first semester of 1950-51.

FIRST TERM

Adam, Pierre A.	Grimm, David L.	Poole, Nathaniel K.
Ammann, William B.	Grove, Bruce A.	Prager, Lutz A.
Armstrong, Charles S.	Halberstadt, Robert L.	Reno, R. Ronald
Bartlett, C. Alan	Hankamer, Peter R.	Rentschler, Thomas B.
Beatty, James D.	Hansen, Christian M.	Rettew, John B.
Bell, Bertrand F.	Hardman, Keith J.	Rickert, Hiram D.
Benjamin, Philip S.	Harrison, Earl G.	Ricketts, William P.
Bibbins, Martin W.	Heller, Martin F.	Ridgeway, Robert G.
Bittel, William H.	Hiss, J. G. Frederick	Rothermel, Rodman S.
Bookhammer, Robert S.	Hollingsworth, Edward P.	Ruddick, Chester T.
Bourne, Richard B.	Howorth, H. Philip	Ruff, John K.
Brade, F. W. Theobald	Hummel, Jonathan A.	Sachs, Stephen H.
Brewer, Talbot M.	Hutton, Robert W.	Schofer, C. Edward
Bull, Robert L.	Ingles, J. Duncan	Seaver, David B.
Burton, John C.	Jameson, Frederic R.	Seaver, Paul S.
Carpenter, E. Kearney	Johnson, L. Morris	Seeley, Robert A.
Clark, Robert S.	Jolliffe, Norman	Silver, Philip W.
Comfort, W. Wistar	Jones, Richard I.	Silver, Richard W.
Craig, H. Douglas	Kalodner, Howard I.	Singh, Amar
Craig, Paul P.	Kaye, William G.	Smith, Richard B.
Crawford, James D.	Kelly, John H.	Steele, Edward M.
deBerry, Joseph G. T.	Kelsey, David H.	Stern, Albert F.
Dunn, H. Michael	Keyser, James M. B.	Sudlow, George J.
Eagleton, S. John	Kindig, Stephen J.	Thomas, T. Darrah
Englar, Thomas S.	Klaver, Martin A.	Todd, George F.
Euster, Roger	Klein, P. Richard	Trumper, John Y.
Farrell, Austin J.	Koch, Heinz F.	Veneziale, Carlo M.
Feeser, Robert P.	Lissfelt, Mark C.	Walton, John G.
Felstiner, James P.	MacDonald, Donald G.	Warnath, Allan D.
Finkelstein, Larry J.	March, Robert M.	Watson, William B.
Foster, Stanley A.	Matthews, Norman E.	Werner, Ervin R.
Foulke, David S.	McGarity, Daniel F.	Wheaton, Dan A.
Frink, Orrin	Meads, Bill C.	White, Christopher
Fry, Charles L.	Miller, Franklin R.	Williams, Bryan M.
Furth, Montgomery T.	Miller, Kenneth L.	Wilson, William C.
Gage, William H.	Morchand, Charles A.	Winston, Rudolph
Gardner, Peter C.	Morgan, Lee	Wolf, Howard L.
Gatch, Milton M.	Muth, D. Frederick	Wolf, Jean-Louis
Glatzer, Robert A.	Peckham, Victor A.	Woll, Peter
Goldstein, Joel B.	Pepper, William	Wren, John C.
Gontrum, Peter B.	Perry, David R.	

SECOND TERM

Allison, A. Reid	Hummel, I. Lee C.	Moore, Paul W.
Burt, Howard G.	Kahn, Stephen J.	O'Neill, David C.
Denman, David N.	Kidney, Walter C.	Perot, T. Morris
Downing, Hugh S.	Kittredge, John A.D.	Reynolds, Robert R.
Dvorken, Leo	Lane, George W.	Robinson, Charles N.
Flannery, Frank J.	Leeds, Robert W.	Schlegel, George D.
Frazer, Joseph F.	Lewis, Andrew L.	Sechrest, Robert C.
Fuller, David S.	Little, Frank J.	Smith, J. Norton
Garrity, John F.	Loomis, Eliot P.	White, Courtland Y.
Good, Roger C.	Mattson, Norman D.	Wood, Thomas A.
Hollmann, Bruce Z.	McCurdy, Kenneth F.	Young, Robert K.

THIRD TERM

Allen, Reginald E.	Haines, William F.	Morrison, H. William
Anderson, Roy S.	Hansell, Norris	Nash, George
Anderson, Thomas M.	Harris, John C.	Nevitt, Robert L. M.
Bair, Harry H.	Hellwege, Conrad F.	Piotrow, F. Jackson
Benton, John F.	Helweg, Joseph E.	Reed, H. Edward
Bledsoe, Carter D.	Hickman, Herbert W.	Rich, Edward P.
Bockol, Joel M.	Hillis, Jon K.	Richie, David A.
Brobyn, Richard D.	Hitchcock, John R.	Richter, Harry E.
Brown, Malcolm S.	Hollingshead, J. Paul	Roberts, C. Evans
Burge, John M.	Howson, Hubert F.	Rose, Carl H.
Caskey, David H.	Huene, Herbert A.	Saidel, Burt R.
Chandler, Gail E.	Hurtubise, Wayne C. A.	Scherer, Robert C.
Clark, David V.	Ikeda, Mitsuo	Schmitz, J. Peter
Coote, Robert J.	Isay, Milton H.	Seeley, Robert T.
Corry, John P.	King, John W.	Shuman, Labron K.
Corson, Richard H.	Kopf, Theodore J.	Somerndike, John M.
Crichlow, Robert W.	Kumm, Karl W. G.	Stansbury, Philip R.
Curran, Robert T.	Lafer, Dennis J.	Steely, John E.
Davis, William B.	Lamperti, John W.	Stein, Joseph H.
Deaton, Hugo L.	Lane, Richard T.	Tabbutt, Frederick D.
Dibble, Joseph S.	Ledeboer, John W.	Taylor, Howard G.
Ericson, James W.	Leger, F. Treville	Thomas, Lewis J.
Falge, Raymond L.	Leggett, John M.	Tice, Gregory
Fascione, Daniel R.	Leibold, Arthur W.	Tomec, John R.
Fernandez, Kenneth L.	Lingeman, Richard R.	Trump, C. Edward
Fithian, William W.	Linthicum, Somervell	Vance, Philip G.
Flight, J. William	Loder, John E.	Van Sickle, James H.
Forker, E. Lee	Logan, Robert G.	Werner, Gordon
Fuller, George C.	Matteson, Robert S.	Wightman, William A.
Goldsmith, Thomas H.	Miller, David B.	Winn, Mitchell
Goodall, Homer R.	Millspaugh, Frederick W.	Wood, Peter H.
Gundry, Richard K.	Morris, Lawrence C.	Wood, Richard R.

FOURTH TERM

Adam, Albert C.	Haviland, Peter R.	Newton, R. Scott
Briod, Andre E.	Jenney, Peter B.	Oliver, Peter
Broadbelt, B. Donald	Johnston, Robert A.	Osler, Frederick
Deweese, David A.	Kirk, Donald G.	Roberts, Garrett
Foster, Marshall J. F.	Kohler, Fritz P.	Ruth, Thomas N.
Gilpin, Vincent	Macbeth, C. Edward	Wirt, John B.
Hall, R. Tucker	Marble, W. James	Woodward, Thomas M.
Harvey, W. F. Atlee	Miller, Harold A. S.	Young, Walter G.

FIFTH TERM

Atkinson, Robert W.	Eller, Richard W.	Hammond, Robert A.
Austin-Small, Peter O. C.	Elliott, William A.	Hardy, Daniel W.
Bair, William L.	Ewald, Henry P.	Harper, David H.
Barnes, Richard K.	Foley, Robert T.	Heberton, Craig
Basiuk, Victor	Forsythe, Thomas R.	Henne, Earl J.
Baur, Philip J.	Franke, Robert J.	Herzel, Frank B.
Bien, Peter A.	Freund, Gerald	Hetzl, Frederic V.
Bliss, Howard	Gailey, Joseph A.	Hibberd, Edward N.
Boger, William M.	Getman, Burrill M.	Hudson, James W.
Butler, Robert G.	Grant, Edgerton	Ives, Robert T.
Chandler, Donald	Gray, William S.	James, Donald W.
Chase, Robert S.	Greene, Charles M.	Johnson, A. Clark
Collins, Robert M.	Greene, Joseph H.	Jones, E. Arnold
Cone, Sydney M.	Greenwood, Richard J.	Jones, Roger F.
Cummins, Peter W.	Gutmacher, Jonathan A.	Keetz, Francis A.
Darlington, William H.	Halpern, Eli B.	Killian, John R.

FIFTH TERM (Continued)

Kirk, Richard A.
Lamphere, George E.
Lande, Peter W.
Leonard, Lawrence M.
Loeb, Eric
Loebelenz, Donald E.
Loechel, Lloyd O.
Mactye, David C.
Mayer, David P.
McKenzie, Alfred B.
Mead, Richard K.
Melcher, William D. L.
Messick, R. Richard
Miles, Frank V.

Milner, Paul C.
Murdoch, Guy C.
Nelson, Kenneth R.
Newbold, Richard W.
Norris, Richard A.
Norton, Nicholas
Perham, George P.
Philips, Robert N.
Pike, Burton E.
Ranck, James B.
Rittenhouse, P. Neel
Rosenbaum, Carl P.
Shanks, Hershel
Sharp, John V. A.

Solem, G. Alan
Sorg, Warren R.
Sternner, Paul L.
Tapke, Peter F.
Totah, Nabil M.
Townsend, Wilson L.
Whitaker, Robert C.
Willis, David P.
Wilson, Frederick T.
Wilson, Richard E.
Woll, John W.
Wurster, Charles F.
Young, Donald L.

SIXTH TERM

Allan, William D.
Amussen, Donald S.
Birdsall, C. Benson
Carlson, Oscar W.
Dayton, Allan S.
Fey, Curt

Haring, Lee
Loucks, Walter B.
McCargar, Donald E.
Melcher, William P.
Moran, Robert. E.

Oberembt, Richard J.
Robertson, Walter G.
Scheffey, Andrew J. W.
Stahl, F. C. Greeley
Thoran, Peter K. O.

SEVENTH TERM

Abbott, H. David
Anders, Wilhelm K. F.
Autenreith, Laurence H.
Baltzell, Richard B.
Bell, John E.
Bellinger, Edgar T.
Boteler, William P.
Boyd, James C.
Brown, James D.
Brown, Joseph C.
Brown, Robert D.
Cadwallader, Gouverneur
Cameron, Richard M.
Cates, Paul B.
Colman, Samuel
Conant, Richard K.
Conklin, William T.
Cooney, John J.
Cragin, Harold I.
Curtis, Nevius M.
Cutting, Hunter O.
Davies, D. Elwyn
Davison, John H.
Deacon, Drew W.
Dennison, Stanford C.
Deweese, Allen H.
Dodge, John L.
Dolbeare, Kenneth M.
Eberly, Richard J.
Edgerton, Philip
Edmiston, Robert B.
Eton, Frederick
Feaser, P. Thomas
Fife, John D.

Ford, Floyd F.
Freeman, Robert W.
French, James C.
Garbaty, Thomas J.
Gardiner, J. Brooke
Garrison, Harry E.
Geckeler, Edwin O.
Griffith, Charles D.
Hansen, Willard B.
Harris, Donald B.
Hoehler, Harry H.
Hoopes, Charles D.
Hudson, S. W. Grafflin
Huffman, Richard M.
Hume, John M.
Jardine, William
Jowers, Victor T. A.
Kalischevsky, Arkady
Keetz, Edward J.
Kemmerer, John
Kimmich, F. Scott
Kratz, Wayne T.
Kunkel, Robert B.
Leib, Gilbert M. P.
Libby, Edward K.
Lightfoot, Clark
Mathis, James L.
Matlack, William F.
McNutt, Thomas R.
Milligan, Barton
Milyko, Alexander B.
Morley, Anthony J.
Moses, Paul B.
Musser, Frederic O.

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Patterson, Edward B.
Paulson, John F.
Peden, James C.
Peniche, William M.
Prockop, Darwin J.
Putney, William T.
Quillen, R. James
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Steere, Peter K.
Steere, Thomas H.
Sutcliffe, Robert
Sutton, Robert L.
Taboga, Diogenes A. H.
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Thomas, John W.
Tollin, Solis
Treynor, Jack L.
Trumper, David K.
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Vaughan, Clark A.
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Westhead, Edward W.
Wilbur, D. Elliott
Willoughby, Alan T.
Zerrer, John G.

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Adimora, S. Nwanneka
Clayton, Allen B.
Deaton, L. Crosby

Flanders, Philip J.
Holcombe, John L.
McCarn, Davis B.

Smith, Allen J.
Vail, Philip C.
Vedova, Harold F.

GRADUATE STUDENTS

Arthur, Robert S.
Berman, Albert A.
Frantz, Charles
Green, Arthur J.

Hood, Austin C.
Kirk, Morris L.
Laity, Richard W.
Mathsson, Bertil

Oppenheim, Daniel P.
Standing, Herbert C.
Stanmyer, Joseph L.
Wilmore, Jacques E.

SPECIAL STUDENTS

Coates, George M.
Dietel, John F.
Ervin, Ellen W.

Evans, Arthur
Kimmich, Homer M.
Lusson, Louis C.

Reninger, Charles W.
Wolcott, Oliver

COMMENCEMENT

JUNE TENTH

1950

PRIZES

The Clementine Cope Fellowships for 1950-51
for graduate study at another institution
have been awarded to

KENNETH MILES MOSER, 1950, First

JOHN BRAISTED CARMAN, 1950, Second

The Catherwood Foundation Fellowship for 1950-51
for graduate study at another institution
has been awarded to

WILLIAM YOUNG RODEWALD, 1950

The Mathematics Department Prizes for Freshmen

First Prize MALCOLM SPENCER BROWN, 1953

Second Prize ROBERT THOMAS SEELEY, 1953

The Alumni Prize for Composition and Oratory
has been awarded to

JOHN FREDERIC BENTON, 1953

The Scholarship Improvement Prizes for the two Seniors who have shown
the most steady and marked improvement in scholarship during the college
course have been awarded as follows:

First Prize JOHN COLTER DYSON, 1950

Second Prize EVERETT BRUEN COOPER, 1950

The Class of 1896 Prize in Mathematics
for Sophomores has been awarded to
JOHN WILLIAM WOLL, JR., 1952

The Lyman Beecher Hall Prize in Chemistry
for Juniors, Seniors, or Graduates, who within three years of
graduation expect to engage in research, has been awarded to
LAWRENCE GEORGE IMHOF, 1950

The Class of 1910 Poetry Prizes
for the best verse written by a Haverford undergraduate during
the year have been awarded to
SPERRY LEA, 1950

The Founders Club Prize for the Freshman who has shown the best
attitude toward college activities and scholastic work has been awarded to
MALCOLM SPENCER BROWN, 1953

The Newton Prize in English Literature
on the basis of Final Honors in English
has been awarded to
JOHN ARTHUR VITELLO, 1950

The William Ellis Scull Prize
for the upper classman who shall have shown the
"greatest achievement in voice and the articulation
of the English Language" has been awarded to
LEE HARING, 1951

The George Pierce Prize in Chemistry or Mathematics offered exclusively
for students who expect to engage in research has been awarded to
LEE RICHARDSON HARPER, 1950

The S. P. Lippincott Prize in History
for Sophomores, Juniors or Seniors
has been awarded to
HENRY DAVID ABBOTT, 1951

The Class of 1902 Prize in Latin
has been awarded to
LAWRENCE CHARLES MORRIS, JR., 1953

The Edmund Jennings Lee Prize, for that student organization
which has done most to advance the interests of
Haverford College during the current academic
year, has been awarded to
THE HAVERFORD COLLEGE GLEE CLUB

HONOR SOCIETIES

The following members of the graduating class
have been elected to the

PHI BETA KAPPA SOCIETY

JOHN BRAISTED CARMAN
KENNETH MILES MOSER
WILLIAM YOUNG RODEWALD
DONALD BECKWITH MARTIN
DANIEL PAYNE OPPENHEIM
WILLIAM ABNER LINTHICUM, JR.
THOMAS PERRY THORNTON
DAVID MEYER BLUM
ROBERT S. WICKHAM II
JOHN HAMPDEN HOBART
HERBERT BASIL CHEYETTE
IRVING HOLLINGSHEAD, JR.
LAWRENCE GEORGE IMHOF
HOYT LEON HICKMAN
NICHOLAS GUS CHANTILES
ANDREW JONATHAN ZWEIFLER
PAUL REYNOLDS SMITH

The following members of the Junior Class
have been elected

DARWIN JOHNSON PROCKOP
JOHN HERBERT DAVISON

The following students were elected to the

FOUNDERS CLUB

for merit in both studies and college activities:

During 1948

KENNETH MILES MOSER, 1950

During 1949

WILLIAM KANE GORHAM, III, 1948

SPERRY LEA, 1950

PAUL BELL MOSES, 1951

WALTER ISRAEL SELIGSOHN, 1947

THOMAS STERN, 1949

HORATIO C. WOOD, IV, 1950

During 1950

GORDON BREWSTER BALDWIN, 1950

WILLIAM SPOTSWOOD BISHOP, 1950

GEORGE DICKSON COLMAN, 1950

NEVIUS MINOT CURTIS, 1951

JAMES GILBERT DEITZ, 1950

RICHARD JEWELL EBERLY, 1951

JAMES BABBITT HASTINGS, 1949

WILLIAM LESTER RHOADS, 3rd, 1950

WILLIAM YOUNG RODEWALD, 1950

KARL HENRY SPAETH, 1951

HONORS

HIGHEST HONORS

JOHN BRAISTED CARMAN, 1950 Philosophy

HIGH HONORS

GEORGE CABELL CARRINGTON, JR., 1950 English
HERBERT BASIL CHEYETTE, 1950 Philosophy
JOHN COLTER DYSON, 1950 English
HOYT LEON HICKMAN, 1950 Philosophy
JOHN HAMPDEN HOBART, 1950 Biology
WILLIAM ABNER LINTHICUM, JR., 1950 Biology
KENNETH MILES MOSER, 1950 Psychology
ARMAND ROLAND OUELLETTE, 1950 Sociology
WILLIAM YOUNG RODEWALD, 1950 Political Science
HORATIO C. WOOD, IV, 1950 English

HONORS

DAVID MEYER BLUM, 1950 English
JOHN NEIL BOGER, 1949 (as of June, 1949) Chemistry
ALLAN RANDALL BRICK, 1950 English
NICHOLAS GUS CHANTILES, 1950 Political Science
JAMES GILBERT DEITZ, 1950 English
LEE RICHARD HARPER, 1950 Chemistry
DAVID OVENDEN HERMAN, 1950 Psychology
IRVING HOLLINGSHEAD, JR., 1949 Mathematics
LAWRENCE G. IMHOF, 1950 Chemistry
DONALD B. MARTIN, 1950 Chemistry
FREDERICK STAHL MILLER, JR., 1951 English
DANIEL PAYNE OPPENHEIM, 1950 German
JOHN HUNTER PARKER, 1947 Engineering
DAVID EVAN PHILIPS, 1950 English
PETER STETTENHEIM, 1950 Biology
THOMAS PERRY THORNTON, 1951 German
JOHN ARTHUR VITELLO, 1950 English
RICHARD ALAN WALKER, 1948 Philosophy
ROBERT S. WICKHAM, II, 1950 Political Science

PRELIMINARY HONORS

CLAYTON STANLEY SEARLE, JR., 1951 English
G. ALAN SOLEM, 1952 Biology

HONORABLE MENTION

ROGER FRANKLIN JONES, 1952 English 12
KENDALL KURTZ, 1953 German 13-14
KENNETH ROY NELSON, JR., 1952 English 12
EDWARD PERCY RICH, 1953 German 13-14
BURT RICHARD SAIDEL, 1953 Chemistry 13-14
HERSHEL SHANKS, 1952 English 23
GORDON WERNER, 1953 Biology 14
GORDON WERNER, 1953 German 13-14

DEGREES

BACHELORS OF ARTS

JOHN T. ACTON	JON JOLYON JOHNSTON
GORDON BREWSTER BALDWIN	ALDRED WILSON JONES
WESLEY R. BETSON	JOHN ZADOCK KATZ
JOSEPH GEOFFROY BILLO	HOMER MARSHALL KIMMICH
LESLIE GORDON BLASIUS	GILBERT WOOD KLEIN
DAVID MEYER BLUM	ANDREW MUTCH KNOWLTON
ANDREW BOYD, JR.	RICHARD WARREN LAITY
ALLAN RANDALL BRICK	SPERRY LEA
EDWIN LOUIS BROWN	WILLIAM ABNER LINTHICUM, JR.
ROBERT E. BROWN	ANDREW DERAN K. LUCINE
JOHN BRAISTED CARMAN	W. BRUCE MACINTOSH, JR.
GEORGE CABELL CARRINGTON, JR.	KARL SAMUEL MANWILLER, JR.
NICHOLAS GUS CHANTILES	DONALD BECKWITH MARTIN
HERBERT BASIL CHEYETTE	JOHN HOWELL WILLIAMS MARVIN
DON HAGLER COLE	G. DIEHL MATEER, JR.
REGINALD BRUCE COLLIER	EDWARD TRAIL MATHIAS
GEORGE DICKSON COLMAN	RICHARD S. MCKINLEY, III
EVERETT BRUEN COOPER	RICHARD JOHN METCALFE
FRANCIS JAMES DALLETT, JR.	KENNETH MILES MOSER
JAMES GILBERT DEITZ	JAMES FREDERICK MUENCH
JOHN WINTHROP DOANE	RICHARD NORMAN MYERS
JAMES ALGER DURLING	HARRY B. NASON
JOHN COLTER DYSON	DANIEL PAYNE OPPENHEIM
ALBERT THEODORE EASTMAN	ARMAND ROLAND OUELLETTE
THOMAS HARTLEY EDMONDS	MERLIN WADSWORTH PACKARD
WINTER GEHRING ENSIGN	ROBERT PARKE, JR.
RICHARD ALAN FEROE	RICHARD M. PENNINGTON
RICHARD McCLURG FLETCHER	DAVID EVAN PHILIPS
PETER BOONE FLINT	PHILIP MILROY PIERSON
JAMES HENRY FOSTER	ROBERT POLLARD, III
EDWARD JOSEPH GATELY, JR.	RUDOLPH REX REEDER
CHARLES EDWARD GILBERT	CHARLES WILLIAM RENINGER, JR.
STANLEY MORTON GREENWALD	WILLIAM LESTER RHOADS, III
RICHARD DeHAVEN GRISTE	THOMAS MacKAY RIDINGTON
DAVID STEWART HARDEN	WILLIAM YOUNG RODEWALD
JAMES BABBITT HASTINGS	DAVID KNOX ROWE
DAVID OVENDEN HERMAN	RUFUS CLARE RUDISILL, III
HOYT LEON HICKMAN	WALTER HINCHMAN SANGREE
JOHN HAMPDEN HOBART	WILLIAM SCHWARTZ
IRVING HOLLINGSHEAD, JR.	ARTHUR GILBERT SEGAL
LAWRENCE GEORGE IMHOF	MERLE BURLEIGH SMITH
EDGAR MERRITT JAMISON, JR.	PAUL REYNOLDS SMITH

EDWARD ROLAND SNADER, III
EDGAR THOMAS SNIPES, JR.
JOSEPH LEROY STANMYER, JR.
HARRIS IRVING STERN
THOMAS STERN
THOMAS MCCONNELL STEVENS
EDWARD WEBSTER TEST
THOMAS PERRY THORNTON
DAVID CAMPBELL TILLEY
JOHN ARNOLD TODD
THOMAS ABBOT TODD

JOHN ARTHUR VITELLO
WILLIAM WHITTEN VOGEL
IAN GORDON WALKER
W. BRINTON WHITALL
ROBERT S. WICKHAM, II
ARTHUR H. WIGHTMAN
HORATIO C. WOOD, IV
JAMES WOOD, III
DANIEL RANNEY WRIGHT
THOMAS CARSKADON ZIMMERMAN
ANDREW JONATHAN ZWEIFLER

As of February 4, 1950

ROBERT WALKER ALLEN
JOSEPH A. BARNES, JR.
WILLIAM MONROE BARROWS
WILLIAM SPOTSWOOD BISHOP
DAVID MONTGOMERY BRAWNER
JOSEPH PAUL FLAHERTY, JR.
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EDWARD L. GRAHAME
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THOMAS EDWARD JAMESON
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CHARLES MONTFORT MELCHIOR
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DAVID RICHARD ROSENTHAL
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FRANCIS KANE WALNUT
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As of June 11, 1949

MICHAEL CHARLES DEMARCO

As of June 12, 1948

LEE WYETH HAWKINS

As of February 2, 1947

CHARLES ALFRED DOEHLERT, JR.

As of June 2, 1945

JAMES GILMORE

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PETER STETTENHEIM
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BERNARD VAN ARKEL

As of February 4, 1950

WRAY DAVISON BENTLEY, JR.

GORDON BISHOP BOTTOM

ROBERT BLACKISTON WHITE

MASTERS OF ARTS

RICHARD EUGENE STENHOUSE (A. B., William Penn College, 1949)

Thesis: "The Mysticism of Isaac Penington and His Concept of the Seed."

As of June 11, 1949

JOHN EDGAR NICHOLSON (A. B., Earlham College, 1948)

Thesis: "William Law: A Study of the Origins of His Mysticism."

MASTER OF SCIENCE

DONALD NICOL MELDRUM (A. B., Haverford College, 1949)

Research: "The Preparation of New Tolyl Hydrazides of Acids and Esters."

HONORARY DEGREES

HOWARD HAINES BRINTON, 1904 Doctor of Letters

J. HENRY SCATTERGOOD, 1896 Doctor of Laws





Issued quarterly by Haverford
College, Haverford, Pennsylvania

Entered as second-class matter November 2, 1944 at the Post
Office at Haverford, Pa., under the Act of August 24, 1912

Printed in U. S. A.

HAVERFORD COLLEGE BULLETIN



REPORT OF
TREASURER AND COMPTROLLER
OF
THE CORPORATION OF HAVERFORD COLLEGE
FOR YEAR ENDING EIGHTH MONTH 31, 1950

VOLUME XLIX

NUMBER THREE

January 1951

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THE CORPORATION OF HAVERFORD COLLEGE
FOR YEAR ENDING EIGHTH MONTH 31, 1950

VOLUME XLIX

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January 1951



THE CORPORATION OF HAVERFORD COLLEGE

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WILLIAM P. PHILIPS, *Term Expires 1951*..200 W. 56th St., N.Y. 19, N.Y.
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JAMES M. HOUSTON, *Term Expires 1953*..1641 Oliver St., Pgh. 22, Pa.

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Term Expires 1951
WILLIAM B. MELDRUM

Term Expires 1952
RALPH M. SARGENT

Alternates; 1950-51: Carl B. Allendoerfer and Louis C. Green

OFFICERS

Chairman of Board
S. EMLÉN STOKES

Secretary of Board
W. NELSON WEST, III

¹Deceased

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H. JUSTICE WILLIAMS	
WM. NELSON WEST, 3RD, <i>Secretary</i>	

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MacCOY, EVANS & LEWIS
1000 Provident Trust Bldg.
Philadelphia 3, Pa.

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President

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Vice President and Director of Admissions

LESTER CORNERIUS HAWORTH
S.B., Earlham College
Vice-President

GILBERT THOMAS HOAG
A.B., Haverford College; A.M. and Ph.D., Harvard University
Dean

MRS. EDYTHA M. CARR
Assistant Registrar

ALDO CASELLI
D.S.E. and C., University of Naples
Comptroller and Business Manager

AMY LYDIA POST
A.B., Earlham College
Acting Librarian

THOMAS EDWARD DRAKE
A.B., Stanford University; A.M., University of Michigan; Ph.D., Yale University
Curator of the Quaker Collection

HERBERT WILLIAM TAYLOR
A.B., Haverford College; M.D., University of Pennsylvania
Physician in Charge

MABEL SYLVIA BEARD
R.N., Lankenau Hospital
Resident Nurse

LOUIS CRAIG GREEN
A.B., A.M., and Ph.D., Princeton University
Director of the Strawbridge Memorial Observatory

SEATON SCHROEDER
B.S. and C.E., University of Pennsylvania
Superintendent of Buildings and Grounds

MRS. ETHEL ELIZABETH BEATTY
Dietician

BENNETT SMEDLEY COOPER
B.S., Haverford College
Alumni Secretary and Assistant to the President

MRS. ALICE MATTSON BERRY
Secretary to the President

GERTRUDE MANN WONSON
S.B., Simmons College
Admissions Office

THE CORPORATION OF HAVERFORD COLLEGE

OPERATING STATEMENT

For the Year Ending 8th Month 31, 1950

Receipts at College, applicable to Budget

Tuition

Cash.....	\$279,903.20	
From Scholarship Funds.....	22,864.75	
From Donations.....	<u>6,278.84</u>	\$309,046.79
*Board.....		175,517.72
Room.....		70,573.00
Board and Room - non-students.....		44,438.64
Miscellaneous Receipts.....		<u>24,377.34</u>
Total Receipts at College.....		623,953.49

Income from Funds, applicable to Budget

General Funds.....	223,372.22	
From Trusts		
Nathan Branson Hill Trust.....	105.00	
W. Percy Simpson Trust.....	2,061.80	
Henry C. Brown Trust.....	<u>7,655.80</u>	233,194.82

Donations applicable to Budget

From Alumni Sustaining Fund.....	14,502.06	
Miscellaneous.....	<u>50.00</u>	14,552.06

Interest Received..... 1,708.26

Total Receipts..... \$873,408.63

Expenses of Running the College

Administration.....	101,604.15	
(Ratio of Administration Expenses to Total Expenses .12631)		
Educational Departments.....	323,907.19.	
(Ratio of Educational Expenses to Total Expenses .40269)		
Maintenance and Operation.....	173,784.27	
(Ratio of M. & C. Expenses to Total Expenses .21605)		
Dining Room and Kitchen.....	196,049.22	
(Ratio of Kitchen Expenses to Total Expenses .24373)		
Pensions to Non-Faculty and Reserve.....	<u>9,005.40</u>	
(Ratio of Pension Expenses to Total Expenses (.01122))		
Forward.....		804,350.23

Forward..... 873,408.63

OPERATING STATEMENT (Continued)

For the Year Ending 8th Month 31, 1950

Forward..... \$873,408.63

Expenses of Running the College (Continued)

Forward..... \$804,350.23

Treasurer's and Secretary's Expenses..... \$ 6,631.30

Old Style Pensions to Faculty..... 28,612.48

Annuity..... 1,600.00

Interest..... 7,114.61

Fourth 1/10 of cost of New Boiler in Power Plant.. 3,564.48

Fourth 1/10 of cost of Barclay Hall fire repairs.. 3,430.63

Shortage of Income Stork Art Gift..... 347.48

Work Aid to Students..... 5,333.50

860,984.71 860,984.71

Operating Gain for the Year 1949-1950..... \$ 12,423.92

THE CORPORATION OF HAVERFORD COLLEGE

STATEMENT OF DEBT OF THE CORPORATION

8th Month 31, 1950

DEBT OF THE CORPORATION

Debt of the Corporation 9th Month 1, 1949

(all for Extraordinary Repairs)..... \$101,681.04

Decreased:

By Operating Gain for Year..... 12,423.92

Debt as of 8th Month 31st, 1950..... \$ 89,257.12

REPORT ON THE FUNDS

	Principal			Income			
	Book Value	Increased	Decreased	Book Value	Net Income	Expended	Balance
	Sept. 1, 1949			August 31, 1950	Sept. 1, 1949		August 31, 1950
Funds for General Purposes							
General Endowment Fund.....	\$93,753.86	\$3,541.28		\$97,295.14	\$5,081.63	\$5,081.63	\$5,081.63
John Farnum Memorial Fund.....	32,375.19			32,375.19	1,534.81	1,534.81	1,534.81
John M. Whitall Fund.....	10,252.18	387.91		10,640.09	555.69	555.69	555.69
David Scull Fund.....	43,173.04	1,633.55		44,806.59	2,340.06	2,340.06	2,340.06
Edward L. Scull Fund.....	10,950.03	414.32		11,364.35	593.51	593.51	593.51
Wistar Morris Memorial Fund.....	4,386.69	187.55		4,574.24	268.66	268.66	268.66
Israel Franklin Whitall Fund.....	10,388.86	393.08		10,781.94	563.09	563.09	563.09
Jacob P. Jones Endowment Fund.....	1,253,930.25	47,445.09		1,301,375.34	67,965.28	63,165.28	\$4,800.00 ¹
John Farnum Brown Memorial Fund.....	265,841.10	10,058.66		275,899.76	14,409.07	14,409.07	14,409.07
Ellen Waln Fund.....	10,711.80	405.30		11,117.10	580.60	580.60	580.60
Clementine Cope Endowment Fund.....	20,710.06	783.61		21,493.67	1,122.52	1,122.52	1,122.52
Nathan Branson Hill Trust.....	40,849.10	1,545.62		42,394.72	1,050.00	1,050.00	1,050.00
Joseph E. Gillingham Fund.....	5,671.42	214.59		5,886.01	2,214.10	2,214.10	2,214.10
Elizabeth H. Farnum Fund.....	9,160.24			9,160.24	307.40	307.40	307.40
James R. Magee Fund.....	43,390.09	1,645.87		45,035.96	496.50	496.50	496.50
Albert K. Smiley Fund.....	1,445.31	54.69		1,500.00	2,352.94	2,352.94	2,352.94
Hinchman Astronomical Fund.....	38,074.84	1,440.64		39,515.48	78.34	78.34	78.34
Wm. D. & E. M. L. Scull Fund.....	168,196.24	6,364.07		174,560.31	2,063.73	2,063.73	2,063.73
Albin Garrett Memorial Fund.....	25,795.00	976.00		26,771.00	1,398.14	1,398.14	1,398.14
Arnold Chase Scattergood Fund.....	23,492.69	888.90		24,381.59	1,273.35	1,273.35	1,273.35
Francis B. Gummere Memorial Fund.....	120,991.54	4,577.97		125,569.51	6,557.96	6,557.96	6,557.96
Isaac Sharpless Memorial Fund.....	210,754.11	7,974.32		218,728.43	11,423.25	11,423.25	11,423.25
General Education Fund.....	121,480.36	4,596.47		126,076.83	6,584.46	6,584.46	6,584.46
William Penn Foundation.....	98,346.29	3,721.14		102,067.43	5,330.55	5,330.55	5,330.55
Walter Carroll Brinton Memorial Fund.....	13,610.80	514.99		14,125.79	737.73	737.73	737.73
Corporation Fund.....	77,093.02	2,916.98		80,010.00	4,178.58	4,178.58	4,178.58
Elizabeth Shortridge Fund.....	9,635.43	364.57		10,000.00	522.26	522.26	522.26
Howard Comfort Memorial Fund.....	5,344.02	183.29		5,527.31	289.66	289.66	289.66
Emma Ridgway Comly Fund.....	48,165.07	1,822.43		49,987.50	2,610.63	2,610.63	2,610.63
Ellen W. Longstreth Fund.....	113,710.22	3,809.97		117,520.19	6,173.97	6,173.97	6,173.97
In Consolidated a/c.....	46.67	100.11	\$146.78				
Mary Pearsall Agency a/c.....	270,528.30	10,236.01		280,764.31	14,663.11	14,663.11	14,663.11
T. Allen Hillis Bequest.....							
Leonard L. Greif Jr. & Roger L. Greif Fund.....	2,963.54	1,036.46		4,000.00	192.25	192.25	192.25
Albert L. Bailly Fund.....	4,817.71	182.29		5,000.00	261.13	261.13	261.13
Elizabeth B. Wistar Warner Fund.....	4,769.54	180.46		4,950.00	258.52	258.52	258.52
Edward M. Wistar Fund.....	2,408.86	91.14		2,500.00	130.56	130.56	130.56
Triangle Society Endowment Fund.....	500.00		500.00		27.10	27.10	27.10
Morris E. Leeds Fund.....	39,428.52	571.48		40,000.00	2,137.10	2,137.10	2,137.10
Forward.....	\$3,257,711.99	\$121,260.81	\$646.78	\$3,378,326.02	\$176,499.78	\$171,699.78	\$4,800.00

REPORT ON THE FUNDS (Continued)

	Principal		Income		Balance August 31, 1950
	Book Value Sept. 1, 1949	Increased Decreased	Book Value August 31, 1949	Net Income Expended	
Forward.....	\$121,260.81	\$646.78		\$176,499.78 \$171,699.78	\$4,800.00
Funds for General Purposes (Continued)					
Morris E. Leeds Fund #2.....	126,000.00		126,000.00	6,829.43	6,829.43
J. Henry Scattergood Fund.....	1,979.41	220.59	2,200.00	110.00	110.00
Parker S. Williams Fund.....	103,993.26		103,993.26	5,636.62	5,636.62
W. Percy Simpson Trust.....				2,061.80	2,061.80
Clarence W. Bankard Fund.....	4,418.75		4,418.75	239.50	239.50
Gilbert C. Fry Fund.....	1,000.00	500.00	1,500.00	65.61	65.61
Daniel B. Boyer Fund.....	2,500.00		2,500.00	135.50	135.50
Mary K. Comly Fund.....	35,000.00		35,000.00	1,897.06	1,897.06
Henry C. Brown Trust.....	10,000.00		10,000.00	7,655.80	7,655.80
Mariott C. Morris Fund.....	1,000.00		1,000.00	542.02	542.02
Mary Brown Fund.....	1,000.00		1,000.00	54.20	54.20
	3,543,603.41		3,664,938.03		
Fund for Wistar Brown Graduate School					
Moses Brown Fund.....	351,621.44	14,645.12	366,266.56	19,058.51	13,137.91
					1,905.85 ²
					4,014.75 ¹
Funds for Morris Infirmary					
Infirmary Endowment Fund.....	9,301.50	351.94	9,653.44	504.16	504.16
John W. Pinkham Fund.....	4,875.05	184.45	5,059.50	264.24	264.24
	14,176.55		14,712.94		
Funds for Haverford Union					
Haverford Union Fund.....	1,810.33	68.49	1,878.82	98.12	98.12
Funds for Scholarships					
Thomas P. Cope Fund.....	5,066.13	191.69	5,257.82	274.59	300.00 ¹
Edward Yarnall Fund.....	5,847.96	221.27	6,069.23	316.97	200.00 ¹
Isaiah V. Williams Fund.....	19,094.90	722.50	19,817.40	1,034.98	1,300.00 ¹
Richard T. Jones Scholarship Fund.....	4,871.92	184.33	5,056.25	264.07	200.00 ¹
Mary M. Johnson Scholarship Fund.....	6,757.92	255.69	7,013.61	366.29	350.00 ¹
Sarah Marshall Scholarship Fund.....	7,631.02	288.74	7,919.76	413.62	600.00 ¹
	\$3,960,481.58	\$139,095.62	\$4,099,577.20	\$224,322.87	\$210,931.75
Forward.....		\$646.78	\$4,098,930.42	\$13,670.60	\$718.13

REPORT ON THE FUNDS (Continued)

	Principal			Income					
	Book Value	Increased	Decreased	Book Value	Net Income	Expended			
	Sept. 1, 1949			Sept. 1, 1950	1, 1949				
Forward.....		\$139,095.62	\$646.78	\$4,098,930.42	\$997.61	\$224,322.87	\$210,931.75	\$13,670.60	\$718.13
Funds for Scholarships (Continued)									
Clementine Cope Fellowship Fund.....	22,012.96	832.90		22,845.86	3,652.04	1,193.14		2,300.00 ¹	2,545.18
Isaac Thorne Johnson Scholarship Fund..	8,514.56	399.40		8,913.96		461.50		111.50 ¹	0.00
								350.00 ¹	
Casper Wistar Memorial Fund.....	2,843.61	107.60		2,951.21	67.43	154.13		150.00 ¹	71.56
J. Kennedy Moorhouse Scholarship Fund..	4,967.88	187.97		5,155.85	77.00	269.27		200.00 ¹	146.27
Louis Jaquette Palmer Scholarship Fund..	4,817.71	4,179.48		8,997.19	69.76	276.92		200.00 ¹	146.68
Paul W. Newhall Memorial Scholarship Fund.....	4,861.65	183.95		5,045.60	107.93	263.51		250.00 ¹	121.44
Robert Martin Zuckert Memorial Scholarship Fund.....	20,813.65	1,436.35		22,250.00	839.23	1,164.27		1,450.00 ¹	553.50
Samuel E. Hilles Scholarship Fund.....	4,834.39	182.92		5,017.31	60.39	262.03		200.00 ¹	122.42
Class of 1913 Scholarship Fund.....	2,890.62	109.38		3,000.00	58.40	156.68		150.00 ¹	65.08
Class of 1917 Scholarship Fund.....	5,984.85	471.23		6,456.08	306.26	330.26		550.00 ¹	86.52
Daniel B. Smith Fund.....	5,000.00			5,000.00	81.79	271.01		200.00 ¹	152.80
Sarah Tatum Hilles Memorial Scholarship Fund.....	75,534.58			75,534.58	1,845.84	4,094.11		4,100.00 ¹	1,839.95
Elihu Grant Memorial Scholarship Fund..	15,078.73	25,000.00		40,078.73	649.63	1,506.44		1,100.00 ¹	1,056.07
Christian Feibler Memorial Scholarship Fund.....	17,050.00			17,050.00	433.13	924.14		450.00 ¹	907.27
Joseph C. & Anne N. Birdsall Scholarship Fund.....	20,000.00	5,000.00		25,000.00	959.73	1,242.12		1,200.00 ¹	1,001.85
Joseph L. Markley Memorial Scholarship Fund.....	5,000.00			5,000.00	85.77	271.01		200.00 ¹	156.78
Daniel E. Davis Jr. Memorial Scholarship Fund.....	3,000.00			3,000.00	251.11	162.61		350.00 ¹	63.72
Jonathan M. Steere Scholarship Fund....	2,300.00	4,985.00		7,285.00	181.27	246.29			427.56
William Graham Tyler Memorial Scholarship Fund.....	15,000.00			15,000.00		677.52			677.52
1890 Memorial Scholarship Fund.....	2,500.00			2,500.00		67.75			67.75
	274,775.04			337,215.44					
Augustus Taber Murray Research Scholarship Fund.....	22,460.12			22,460.12	288.55	959.46		980.00 ³	268.01
Funds for the Library									
Alumni Library Fund.....	16,799.42	635.64		17,435.06		910.56		\$910.56	
Forward.....	\$4,225,246.31	\$200,307.44	\$646.78	\$4,424,906.97	\$11,012.87	\$240,187.60	\$211,842.31	\$28,162.10	\$11,196.06

REPORT ON THE FUNDS (Continued)

	Principal			Income			Balance August 31, 1950		
	Book Value Sept. 1, 1949	Increased	Decreased	Book Value August 31, 1950	Balance Sept. 1, 1949	Net Income		Expended	Special
<i>Forward</i>		\$200,307.44	\$646.78	\$4,424,906.97	\$11,012.87	\$240,187.60	\$211,842.31	\$28,162.10	\$11,196.06
Funds for the Library (Continued)									
Mary Farnum Brown Library Fund.....	65,446.29	2,407.80		67,854.09		3,547.31		100.00 ⁴ 22.28 ² 3,425.03 ³ 321.08 ⁵ 1,183.70 ⁵	
Wm. H. Jenks Library Fund.....	4,817.71	182.29		5,000.00	121.70	263.13			63.75
Mary Wistar Brown Williams Library Fund	19,566.40	740.34		20,306.74	852.29	1,060.53			729.12
Anna Yarnall Fund.....	166,842.34	6,235.80		173,078.14		9,043.16			
In Consolidated									
Agency a/c.....								1,511.20 ⁵ 7,531.96 ⁵ 34.70 ⁵	
F. B. Gummere Library Fund.....	612.30	23.17		635.47	8.99	33.19			7.48
Edmund Morris Ferguson Jr. Memorial Fund.....	965.80	36.54		1,002.34	11.69	52.35		45.50 ⁵	18.54
Class of 1888 Library Fund.....	6,341.02	208.98		6,550.00	412.37	343.69			756.06
Class of 1918 Library Fund.....	1,207.83	45.69		1,253.52	76.15	65.47			141.62
Quakeriana Fund.....	600.00			600.00	80.83	32.52		31.72 ⁵	81.63
Mohonk Fund for The Rufus Jones Collection on Mysticism.....	1,500.00			1,500.00	33.99	81.30		4.59 ⁵	110.70
Rufus M. Jones Book Fund.....	5,000.00			5,000.00	45.33	271.01		52.92 ⁵	263.42
	289,699.11			300,215.36					
Funds for Old Style Pensions									
President Sharpless Fund.....	39,733.67	1,503.41		41,237.08		2,153.64		2,153.64	
William P. Henszey Fund.....	35,418.53	1,340.13		36,758.66		1,919.75		1,919.75	
Jacob P. Jones Benefit Fund.....	65,630.50	2,483.28		68,113.78		3,557.29		3,557.29	
Pliny Earle Chase Memorial Fund.....	3,152.93	119.31		3,272.24		170.89		170.89	
Haverford College Pension Fund.....	107,955.98	4,084.75		112,040.73		5,851.41		5,851.41	
	251,891.61			261,422.49					
Funds for Special Purposes									
Thomas Shipley Fund.....	5,056.68	191.32		5,248.00	209.83	274.08		202.24 ⁴	281.67
Elliston P. Morris Fund.....	1,085.68	41.07		1,126.75	165.98	60.35		45.84 ⁵	180.49
John B. Garrett Reading Prize Fund.....	2,189.40	58.47		2,247.87	863.12	118.67			981.79
Special Endowment Fund.....	8,890.67	336.40		9,227.07	555.99	481.89		275.00 ⁶ 124.04 ⁵	638.84
<i>Forward</i>	\$4,767,260.04	\$220,346.19	\$646.78	\$4,986,959.45	\$14,451.13	\$269,569.23	\$225,495.29	\$43,073.90	\$15,451.17

REPORT ON THE FUNDS (Continued)

	Principal			Income				Balance August 31, 1950	
	Book Value Sept. 1, 1949	Increased	Decreased	Book Value August 31, 1950	Balance Sept. 1, 1949	Net Income	Expended		Special
<i>Forward</i>	\$4,767,260.04	\$220,346.19	\$646.78	\$4,986,959.45	\$14,451.13	\$269,569.23	\$225,495.29	\$43,073.90	\$15,451.17
Funds for Special Purposes (Continued)									
Scholarship Improvement Prize Fund.....	2,213.14	83.74		2,296.88	178.56	119.96		95.00 ⁷	203.52
Elizabeth P. Smith Fund.....	1,680.48	46.52		1,727.00	647.74	91.09		100.00 ⁷	738.83
S. P. Lippincott History Prize Fund.....	2,454.02	92.86		2,546.88	306.50	133.01		104.47 ⁵	235.04
Francis Stokes Fund.....	4,933.63	186.67		5,120.30	779.47	267.41		189.60 ⁹	857.28
George Peirce Prize Fund.....	2,660.88	168.04		2,828.92		144.22		50.00 ⁷	
Lyman Beecher Hall Prize Fund.....	2,076.43	78.57		2,155.00	421.78	112.55		100.00 ⁷	434.33
Newton Prize Fund.....	1,346.79	50.96		1,397.75	97.39	73.00		50.00 ⁷	20.88
Edward B. Conklin Athletic Fund.....	2,312.51	87.49		2,400.00	125.34		125.34	99.51 ⁵	
Arboretum Fund.....	4,420.49	167.26		4,587.75	1,466.87	239.60		970.18 ⁹	736.29
William Ellis Scull Prize Fund.....	1,927.09	72.91		2,000.00	423.41	104.45		50.00 ⁷	477.86
Paul D. I. Maier Fund.....	963.54	36.46		1,000.00		52.23	42.23	10.00 ⁷	
Strawbridge Observatory Maintenance Fund	3,699.55	139.99		3,839.54	283.97	390.52		5.00 ⁷	479.51
Jacob and Eugenie Bucky Memorial Foundation.....	4,240.57	65.54		4,306.11		230.85		184.70 ^{1,3}	
Mathematics Department Prize Fund.....	1,201.84	36.99		1,238.83		65.14		46.15 ²	
Wm. T. Elkinton Fund.....	2,491.50			2,491.50	221.32	135.04		35.14 ²	274.38
Tilney Memorial Fund.....	5,000.00	1,000.00		6,000.00	924.28	294.72		30.00 ⁷	994.00
Class of 1902 Latin Prize Fund.....	142.90			142.90	37.01	7.75		31.12 ^{1,1}	34.76
Class of 1898 Gift.....	6,100.00			6,100.00	385.83	330.63		50.86 ^{1,2}	716.46
Edmund J. Lee Memorial Award Fund.....	1,006.50			1,006.50	52.48	94.55		10.00 ⁷	57.03
	\$68,094.29			\$71,035.55					
Forward	\$4,818,131.90	\$222,660.19	\$646.78	\$5,040,145.31	\$20,677.74	\$272,841.29	\$225,662.86	\$45,844.83	\$21,711.34
				¹ Scholarships				⁸ Salaries	
				² Income Transferred to Principal				⁹ Plants	
				³ Annuity				¹⁰ Maintenance	
				⁴ Lecture				¹¹ Trip to U.N.	
				⁵ Books				¹² Trip to Wash.	
				⁶ Friends Council on Education				¹³ Work Camp Project	
				⁷ Prizes				¹⁴ Visitors	

SUMMARY OF THE FUNDS

	Book Value September 1, 1949	Increased	Decreased	Book Value September 1, 1950
Funds for General Purposes.....	\$3,543,603.41	\$121,981.40	\$646.78	\$3,664,938.03
Fund for T. Wistar Brown Graduate School.....	351,621.44	14,645.12		366,266.56
Funds for Morris Infirmary.....	14,176.55	536.39		14,712.94
Fund for Haverford Union.....	1,810.33	68.49		1,878.82
Funds for Scholarships.....	297,235.16	62,440.40		359,675.56
Funds for Library.....	289,699.11	10,516.25		300,215.36
Funds for Old Style Pensions.....	251,891.61	9,530.88		261,422.49
Funds for Special Purposes.....	68,094.29	2,941.26		71,035.55
	<u>\$4,818,131.90</u>	<u>\$222,660.19</u>	<u>\$646.78</u>	<u>\$5,040,145.31</u>
Plus undistributed gain in Consolidated Investments Account.....	133,269.96			
Less Amount of Loss Distributed during years 1940, 1941, 1942, and 1943 to restore Book Value of Funds.....			159,530.17	
Balance of undistributed gains.....	<u>\$4,951,401.86</u>	<u>\$257,926.09</u>	<u>\$160,176.95</u>	<u>\$5,049,151.00</u>
				9,005.69
				<u>\$5,049,151.00</u>

SUMMARY AS TO CONSOLIDATED AND NON-CONSOLIDATED ACCOUNTS

Consolidated Account (including undistributed gain).....	4,896,519.88	105,951.78	8,155.97	4,994,315.69
Non-Consolidated Accounts:				
John Farnum Memorial Fund.....	32,375.19			32,375.19
Ellen W. Longstreth Fund - Mary Pearsall et al Agency Account.....	46.67	100.11	146.78	0.00
Augustus Taber Murray Research Scholarship Fund.....	22,460.12			22,460.12
	<u>\$4,951,401.86</u>	<u>\$106,051.89</u>	<u>\$8,302.75</u>	<u>\$5,049,151.00</u>
The Book Value Increased \$97,749.14 as follows:				
Donations for Additions to Funds.....	60,314.77			
Income Transferred to Principal.....	2,215.14			
Gains on Securities				
Called.....		\$ 3,107.50		
Sold.....		39,685.37		
Liquidating Payment.....	43,421.87			
	<u>105,951.78</u>			
Less: Loss on Called.....		20.35		
" Exchange.....		8,135.62		
Mary Pearsall Agency Account Closed.....		46.67		
		<u>8,202.64</u>		
		<u>\$97,749.14</u>		

Income return: The Net income (\$260,014.26) after allowing commission to our fiscal agent was 5.20% on book value at end of year.

CLASSIFICATION OF INVESTMENTS

8th Month 31, 1950

	Consolidated Account	Non- Consolidated Account	Total	%	Market Value	%
BONDS						
Government - U. S.	\$ 217,500.00		\$ 217,500.00		\$ 219,862.50	
Industrial	24,562.50		24,562.50		21,750.00	
Public Utility	141,080.18	\$ 9,517.50	150,597.68		138,485.00	
Railroad	615,588.42	26,781.39	642,339.81		698,986.88	
Miscellaneous	9,555.00		9,555.00		30,345.00	
	\$ 1,008,256.10	\$ 36,298.89	\$ 1,044,554.99	20.69	\$ 1,109,429.38	20.70
PREFERRED STOCK						
Industrial	275,807.59		275,807.59		280,375.00	
Public Utility	244,840.19		244,840.19		250,097.00	
Railroad	130,283.85		130,283.85		137,575.00	
	650,931.63		650,931.63	12.89	668,047.00	12.46
COMMON STOCK						
Bank & Insurance	533,524.28		533,524.28		621,223.25	
Industrial	1,035,715.02	175.00	1,035,890.02		1,269,804.02	
Public Utility	728,476.40	9,661.53	738,137.93		676,117.01	
Railroad	175,593.92	5,790.15	181,384.07		113,456.10	
Miscellaneous	36,780.00		36,780.00		73,780.00	
	2,510,089.62		2,525,716.30	50.02	2,754,380.38	51.39
MORTGAGES	219,447.51		219,447.51	4.38	221,222.51	4.13
MISCELLANEOUS (Including Campus Houses - \$361,199.64	401,363.29		401,363.29	7.95	401,363.29	7.49
CASH - due to Funds from Corporation (#4% Interest)	204,227.54		205,362.28	4.07	205,362.28	3.83
	\$ 4,994,315.69	\$ 54,835.31	\$ 5,049,151.00	100.00	\$ 5,359,804.84	100.00

NOTE: There are \$65,627.50 Public Utility Stock not included in the above figures being holdings in C. Wharton Stork Art Gift Fund which is not included in the Funds. This Fund also has an overdraft in Principal cash of \$42,427.50.

There are also held \$3,750. in non-interest bearing U. S. Savings Series "F" Bonds (all in safe keeping) allocated as Donations (Field House).

SUMMARY OF THE ACCOUNTS OF
THE CORPORATION OF HAVERFORD COLLEGE
WM. MORRIS MAIER, TREASURER
ALDO CASELLI, COMPTROLLER

For the Year Ending Eighth Month 31, 1950

RECEIPTS

Income from Endowment Funds

Funds for General Purposes.....	\$191,904.72	
T. Wistar Brown Graduate School Fund	19,058.51	
Morris Infirmary Funds.....	768.40	
Haverford Union Funds.....	98.12	
Scholarship Funds.....	16,653.61	
Library Funds.....	15,702.22	
Old Style Pensions Funds.....	13,652.98	
Special Purposes Funds.....	<u>3,714.55</u>	\$261,553.11

Income from Special Trust

Augustus Taber Murray Research Scholarship Fund...	959.46
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Income from Trusts to be used for General Purposes

Nathan Branson Hill Trust, First National Bank of Minneapolis, Minn., Trustee.....	105.00	
W. Percy Simpson Trust, Provident Trust Co. of Phila., Trustee.....	2,061.80	
Henry C. Brown Trust, Penna. Co. for Banking & Trusts, Trustee.....	<u>7,655.80</u>	<u>9,822.60</u>

Total Income from Funds and Trusts..... \$272,335.17

Income from College Sources

Tuition.....	309,046.79	
Board and Room.....	246,090.72	
Board and Room for Non-Students:		
Rents.....	3,892.50	
Rooms: Guests, Alumni & Faculty..	1,376.95	
Summer Conference -		
After Operative Expenses.	76.57	
Employees.....	5,276.00	
Meals: Guest & Faculty Members...	10,499.07	
Employees.....	12,955.00	
Summer Conferences.....	7,924.50	
Day Students.....	<u>2,438.05</u>	

<i>Forward</i>	\$44,438.64	\$555,137.51	\$272,335.17
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Forward..... \$44,438.64 \$555,137.51 \$272,335.17

Income from College Sources - (Continued)

Miscellaneous Collections:

Bookstore.....	2,019.23		
Diplomas.....	142.50		
Infirmary.....	333.46		
Fines.....	673.53		
Transcripts.....	878.15		
Sale of Miscellaneous Items.....	81.17		
Renting of Machinery and Lands....	620.38		
Admission to athletic games.....	3,015.73		
Sundry minor collections.....	328.23		
Discounts earned.....	496.36		
Overhead in connection with work done for outsiders (Labor & Material).....	2,361.98		
Unit Fee.....	5,472.62		
Re-examinations.....	454.00		
Use of College Buildings.....	<u>7,500.00</u>	<u>68,815.98</u>	623,953.49

Interest Received..... 1,708.26

Gift Not Yet Allocated

From Morris E. Leeds..... 40,000.00 41,708.26

Donations Applicable to Budget

Alumni Sustaining Fund.....	14,502.06		
For Cope Field.....	35.00		
For General Purposes.....	<u>15.00</u>	<u>14,552.06</u>	14,552.06

*Donations Other Than for Funds
(See Donations Account Following)*

For Athletics.....	341.13		
For Books.....	4,480.34		
For Gummere-Morley Room - Library Portraits.....	2,231.25		
For Scholarships.....	10,433.56		
From Alumni Association for Salaries	3,542.00		
From Campus Club.....	300.00		
For Class of 1934 Fund.....	1,561.40		
For Care of Cope Field.....	50.00		
For Freshman English.....	12,000.00		
For General Purposes.....	270.00		
For Green Project.....	3,500.00		
For T. O. Jones Project.....	1,720.00		
Interest on Radio Club Deposit....	70.45		
Skating Lodge.....	3,234.83		
Russian Program.....	<u>2,916.68</u>	46,651.64	
Alumni Campaign Fund.....		25,000.00	
Human Relations Gift.....		<u>5,366.04</u>	

Total Donations (Other than Funds)..... 77,017.68

Forward..... \$1,029,566.66

Forward.....

\$1,029,566.66

Donations for Additions to Funds

(As per list following)..... 60,314.77

Additions to Funds Income

Transferred to Principal

Moses Brown Fund.....	1,905.85	
Isaac Thorne Johnson Schol. Fund....	111.50	
Mary Farnum Brown Library Fund.....	22.28	
George Peirce Prize Fund.....	94.22	
Jacob & Eugenie Bucky Memorial Foundation.....	46.15	
Mathematics Dept. Prize Fund.....	<u>35.14</u>	2,215.14

Reserves for Non-Faculty

Pensions for Non-Faculty...\$5,000.00		
Interest Added.....	<u>300.00</u>	5,300.00
Death Benefit for Non-Faculty.....	<u>1,000.00</u>	6,300.00

Miscellaneous Receipts

Observatory - Fee collected.....	190.00	
Library Replacements.....	1,775.23	
Taxes Withheld Salaries.....	42,252.39	
Taxes Withheld for Pensions.....	1,053.10	
Sale of Books etc.....	16.12	
In and Out - Receipts.....	9.90	
Work in Progress.....	11,916.54	
Student Store.....	20,871.12	
Loans - Repaid.....	125.00	
Student Affairs Account.....	882.70	
Book Store on Campus.....	22,838.47	
Working Aid to Students.....	5,333.50	
Accounts Receivable - From Students.	647,107.94	
" " From Employees.	51,534.11	
" " " Government	39,916.71	
Cash Over & Short - Received.....	<u>4.83</u>	845,827.66

Items Relating to Other Fiscal Years

Advance Receipts for Following Year.	9,808.48	
Room Rents Paid for in Advance.....	6,066.52	
Expenses for the Following Year....	28,531.32	
Insurance for Following Years.....	8,095.36	
Accounts Payable.....	29,422.64	
Reserve for New Boilers - applied...	3,564.48	
Reserve for Barclay Hall Fire & Alterations - applied.....	<u>3,430.63</u>	<u>88,919.43</u>

New Construction

Investment in Campus Houses taken over
by Principal of Consolidated Account

Forward..... \$943,262.23 \$1,089,881.43

Forward.....		\$943,262.23	\$1,089,881.43
<i>New Construction (Continued)</i>			
#2 College Circle.....	14,724.45		
#500 Parmure Road.....	<u>28,254.19</u>	<u>42,978.64</u>	986,240.87
<i>Investments Realized</i>			
<i>Consolidated Investment Account</i>			
Bonds -			
Government.....	26,250.00		
Railroad.....	10,464.38		
Miscellaneous.....	<u>8,810.00</u>	45,524.38	
Preferred Stocks -			
Industrial.....	19,695.54		
Public Utility.....	<u>22,000.00</u>	41,695.54	
Common Stock -			
Industrial.....	102,528.71		
Public Utility.....	30,131.82		
Railroad.....	27.95		
Miscellaneous.....	<u>2,336.55</u>	135,025.03	
Mortgages.....		65,941.73	
Miscellaneous.....		<u>5,439.29</u>	293,625.97
C. Wharton Stork Art Gift Fund			
Dividend Applied.....		250.00	
John Farnum Memorial Fund.....		222.00	
<i>Balance 9-1-1949</i>			
In Treasurer's Account.....	14,923.15		
In President's Account.....	<u>29,401.48</u>	<u>44,324.63</u>	<u>44,796.63</u>
			<u>\$2,414,544.90</u>

EXPENDITURES

1949-1950

Expenses of Running the College

<i>Administration</i>		
Salaries.....	\$ 75,373.56	
Supplies & Postage.....	6,261.37	
Services.....	554.98	
Telegraph & Telephone....	1,734.56	
Replacements & Repairs...	93.35	
Additional Equipment.....	2,668.76	
Insurance.....	229.50	
Travelling.....	1,935.79	
Public Relations.....	5,586.35	
Printing.....	4,511.74	
Entertainment.....	<u>2,654.19</u>	\$101,604.15
 <i>Educational Departments</i>		
Salaries.....	295,135.05	
Supplies & Postage.....	15,183.18	
Services.....	2,255.32	
Telegraph & Telephone....	1,790.60	
Replacements & Repairs...	460.80	
Additional Equipment.....	3,084.10	
Insurance.....	1,721.52	
Travel.....	2,577.52	
Not Elsewhere Classified.	<u>1,699.10</u>	323,907.19
 <i>Maintenance and Operation</i>		
Wages.....	81,274.67	
Supplies & Inventory.....	11,954.30	
Contracts.....	12,319.82	
Water, Heat, Light and Power	32,228.26	
Telegraph & Telephone....	768.76	
Replacements & Repairs...	299.46	
Small Tools & Equipment..	15,623.44	
Taxes.....	6,515.65	
Insurance.....	5,310.49	
Not Elsewhere Classified.	<u>7,489.42</u>	173,784.27
 <i>Kitchen</i>		
Wages.....	51,394.18	
Supplies & Inventory.....	123,043.67	
Contracts.....	9,822.52	
Water, Heat, Light and Power	4,559.94	
Telegraph & Telephone....	246.95	
Replacements & Repairs...	6,854.40	
Insurance.....	<u>127.56</u>	196,049.22
 <i>Pensions for Non-Faculty.....</i>	 <u>9,005.40</u>	
Expenses at the College.....		804,350.23
 <i>Treasurer's and Secretary's Expenses....</i>	 6,631.30	
 <i>Old Style Pensions to Faculty.....</i>	 <u>28,612.48</u>	
 <i>Forward.....</i>	 \$35,243.18	<u>\$804,350.23</u>

Forward..... \$35,243.18 \$804,350.23

Treasurer's and Secretary's Expenses

(Continued)

Annuity.....	1,600.00	
Interest Paid.....	7,114.61	
Stork Art Gift - Shortage of Income to meet interest charge.....	347.48	
Fourth 1/10 of cost of new boilers in Power Plant.....	3,564.48	
Fourth 1/10 of cost of Barclay Hall fire repairs and alterations.....	3,430.63	
Work Aid to Students - Charged off....	<u>5,333.50</u>	

Expenses of Running the College..... 56,634.48 860,984.71

Expenditures from Income of Funds

(See preceding Report on the Funds)

For Scholarships and Fellowships.....	\$22,864.75	
Clementine Cope Fellowship	<u>2,300.00</u>	25,164.75

Expenditures from Income of Special Trust

Augustus Tabor Murray Research Scholarship Fund Annuity.....	980.00	
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Expenditures from Income of Funds for Library

Lecture.....	100.00	
Books.....	<u>6,610.44</u>	6,710.44

*Expenditures from Income of Funds for
Special Purposes*

Lecture.....	202.24	
Books.....	373.86	
Friends Council on Education.....	25.00	
Religious Education Committee.....	200.00	
Interviewing.....	50.00	
Prizes.....	545.00	
Plantings.....	1,159.78	
Observatory Maintenance...	194.98	
Work Camp Project.....	184.70	
Trips of Students to Washington D.C. and United Nations.....	81.98	
Visitors Expenses.....	<u>225.00</u>	<u>3,242.54</u>
		36,097.73

Spent from Donations

Art and Music For Music from Carnegie Foundation Donation...	1,366.95	
For Music Project.....	24.04	
Athletics - Equipment.....	<u>340.13</u>	

Forward..... \$1,731.12 \$897,082.44

Forward..... \$1,731.12

\$897,082.44

Spent from Donations (Continued)

Books and Library			
University of Chicago			
Press.....	1,626.00		
Library Salary.....	488.64		
Books Bought.....	582.18		
Gummere-Morley Room -			
Portraits.....	2,231.25		
Periodicals.....	12.50		
Library Associates.....	707.92		
Poetry Prize - Class of 1910	25.00		
Scholarships.....	6,278.84		
Paul Moses.....	925.00		
Sundries:			
From Alumni Association			
for Salaries.....	3,542.00		
For Campus Club.....	376.52		
From Class of 1934 for			
furniture & equipment,			
seminar room.....	1,785.31		
For cricket bat.....	15.00		
For Faculty Publications	1,099.00		
For Laboratory Equipment	489.05		
For Special Scholarship.	255.00		
For Dr. Green Project...	250.00		
From Gifts of Morris E. Leeds			
Physics equip-			
ment.....	1,326.68		
Center for day			
students.....	361.12		
Reading Lab-			
oratory.....	326.13		
Sharpless Sem-			
inar.....	1,762.98	3,776.91	
For Radio Station.....	50.00		
For Skating Lodge.....	1,189.25		
For Russian Program....	3,125.40		
For Sundries.....	904.24		
Transferred to Corpora-			
tion Account.....	50.00		
Alumni Campaign Fund			
Support of Alumni			
Association.....	9,087.00		
For operation of College			
1949-1950, balance in			
Alumni Sustaining Fund			
as of October 1, 1949.	14,502.06		
Human Relations Gift			
Books and Salary.....	<u>5,977.35</u>	61,082.54	61,082.54
Death Benefit Paid from Reserve.....		<u>500.00</u>	500.00
Miscellaneous Expenditures			
Library replacement			
account.....	<u>1,430.08</u>		
Forward.....	\$1,430.08		
		<u>\$61,582.54</u>	<u>\$897,082.44</u>

Forward..... \$1,430.08

\$61,582.54 \$897,082.44

Miscellaneous Expenditures (Continued)

Skating Pond expenses.....	1,023.99	
Taxes Withheld paid to Government on Salaries..	41,778.84	
Taxes Withheld paid to Government on Pensions..	1,026.90	
In and Out.....	147.34	
Work in Progress, charges.	11,480.89	
Student Store.....	22,367.39	
Student Affairs.....	1,636.10	
Bookstore on Campus - Expenses.....	26,412.83	
Working Aid to Students...	5,333.50	
Accounts Receivable from Students - Charges.....	646,941.95	
Accounts Receivable from Employees - Charges.....	112,611.80	
Accounts Receivable from Government - Charges....	<u>41,628.32</u>	913,819.93

Items Relating to Other Fiscal Years

Advance Receipts for Following Year - applied	7,305.15	
Room Rents Paid in Advance - applied.....	6,487.75	
Expenses for Following Year.....	32,309.03	
Prepaid Insurance - Costs.	27,087.61	
Accounts Payable.....	<u>18,689.24</u>	<u>91,878.78</u> 1,005,698.71

New Construction

#2 College Circle - Completed (Total Cost \$14,724.75).....	5,840.23	
#500 Panmure Road - Completed (Total Cost \$28,254.19).....	28,254.19	
#2 College Lane (Additional Construction).....	5,572.51	
#1 College Circle (Additional Construction).....	605.50	
#36 Railroad Avenue (Additional Construction).....	<u>3,613.61</u>	43,886.04

Investments Made or Donated

Consolidated Investment Account

Bonds		
Railroad.....	13,850.35	
Miscellaneous.....	<u>4,200.00</u>	18,050.35
Preferred Stock		
Railroad.....	13,940.25	

Forward.....

\$31,990.60 \$1,111,167.29 \$897,082.44

Forward..... \$31,990.60 \$1,111,167.29 \$897,082.44

Investments Made or Donated (Continued)

Common Stocks

Banks and Insurance.....	7,153.39	
Industrial.....	91,455.72	
Public Utility.....	90,899.06	
Railroad.....	<u>490.00</u>	189,998.17

Mortgages..... 20,757.50

Miscellaneous..... 19,219.21 261,965.48

Borrowed Money Paid Off..... 80,700.00

Income Transferred to Principal

Moses Brown Fund..... 1,905.85

Isaac Thorne Johnson

Scholarship Fund..... 111.50

Mary Farnum Brown Library

Fund..... 22.28

George Peirce Prize Fund.. 94.22

Jacob & Eugenie Bucky

Memorial Foundation.... 46.15

Mathematics Department

Prize Fund..... 35.14 2,215.14

Balance August 31, 1950

Treasurer's Account..... 25,354.12

President's Account..... 36,060.43 61,414.55 1,517,462.46

\$2,414,544.90



Lawrence E. Brown & Company

ESTABLISHED 1882

Certified Public Accountants

(PENNSYLVANIA)

ADDISON R. BROWN
JOHN H. HAIRE
W. EDWIN DILL
ROBERT W. JOHNSTON

1917 FIDELITY-PHILADELPHIA TRUST BUILDING

PHILADELPHIA

October 16, 1950

Board of Managers
The Corporation of Haverford College
Haverford, Pennsylvania


Dear Sirs:

We have examined the statement of receipts and expenditures and the operating statement for the fiscal year ended 8th Month 31, 1950 and the statement of debt of the Corporation as of said date, as set forth in the annual report of the Treasurer and Comptroller of The Corporation of Haverford College.

Our examination comprized the verification of the receipts and expenditures of the Treasurer and Comptroller for the year; the reconciliation of the cash balance at 8th Month 31, 1950 with the balance on deposit in bank; and the examination of the securities held by the Provident Trust Company, as fiscal agent for the Corporation.

In our opinion, the annual report of the Treasurer and Comptroller correctly sets forth the results of the operations of The Corporation of Haverford College for the fiscal year ended 8th Month 31, 1950, in conformity with generally accepted accounting principles applied on a basis consistent with that of the preceding year.

Very truly yours,



Lawrence E. Brown & Co.
Certified Public Accountants

DONATIONS FOR ADDITIONS TO FUNDS

1949-1950

JAMES R. MAGEE FUND

Further distribution of principal of Anna J. Magee Trust..... \$ 35.80

ELLEN W. LONGSTRETH FUND

Final Distribution from Girard Trust Co., Trustee under will
of Ellen W. Longstreth, Dec'd for Trust established for
Mary Pearsall et al..... 146.78

LEONARD L. GREIF JR. & ROGER L. GREIF FUND

(Through 1949 Campaign)
From - Leonard L. Greif, Jr..... 1,000.00

J. HENRY SCATTERGOOD FUND

(Through 1949 Campaign)
From - J. Henry Scattergood..... 200.00

GILBERT C. FRY FUND

(Through 1949 Campaign)
From - Gilbert C. Fry..... 500.00

LOUIS JAQUETTE PALMER SCHOLARSHIP FUND

From - New York Life Insurance Co. cash surrender
value of policies on lives of Triangle
Society Members..... \$2,954.18
Additional Gift from Triangle Society Members 543.01 3,497.19

ROBERT MARTIN ZUCKERT MEMORIAL SCHOLARSHIP FUND

(Through 1949 Campaign)
From - Harry M. Zuckert..... 1,000.00

CLASS OF 1917 SCHOLARSHIP FUND

Through John W. Spaeth, Jr.
From - Ernest L. Brown..... 25.00
William H. Chamberlin..... 10.00
Loring Dam..... 10.00
Joseph W. Greene, Jr..... 30.00
Weston Rowland..... 25.00
H. Lawrence Jones..... 10.00
M. Alexander Laverty..... 10.00
Hugh E. McKinstry..... 30.00
Arthur H. Napier..... 10.00

Forward..... \$160.00 \$6,379.77

<i>Forward</i>	\$160.00	\$6,379.77
CLASS OF 1917 SCHOLARSHIP FUND (Continued)		
From - Newlin F. Paxson.....	10.00	
Edmund T. Price.....	100.00	
John W. Spaeth, Jr.....	25.00	
Arthur E. Spellissy.....	<u>150.00</u>	
	\$445.00	
Through 1949 Campaign		
From - Jesse Forsythe.....	<u>5.00</u>	450.00
ELIHU GRANT MEMORIAL SCHOLARSHIP FUND		
(Through 1949 Campaign)		
From The Trustees of The Grant Foundation, Inc.....		25,000.00
JOSEPH C. & ANNE N. BIRDSALL SCHOLARSHIP FUND		
(Through 1949 Campaign)		
From - Dr. & Mrs. Joseph C. Birdsall.....		5,000.00
JONATHAN M. STEERE SCHOLARSHIP FUND		
(Through 1949 Campaign)		
From - Jonathan M. Steere.....		4,985.00
WILLIAM GRAHAM TYLER MEMORIAL SCHOLARSHIP FUND (New)		
(Through 1949 Campaign)		
From - Miss Mary Graham Tyler.....		15,000.00
1890 MEMORIAL SCHOLARSHIP FUND (New)		
(Through 1949 Campaign)		
From - Andrew L. Lewis.....		2,500.00
TILNEY MEMORIAL FUND		
(Through 1949 Campaign)		
From - Mr. I. Sheldon Tilney.....		<u>1,000.00</u>
		<u>\$ 60,314.77</u>

D O N A T I O N S

ATHLETICS

For FIELD HOUSE

Through A. W. Haddleton..... \$ 1.00

For FENCING EQUIPMENT

From F. D. Jones..... 340.13 \$341.13

FOR BOOKS and LIBRARY

UGO BENZI

From Howard L. Goodhart..... \$ 500.00
 Harrison S. Hires..... 500.00
 Kenneth E. Appel..... 500.00
 Emily B. H. Mudd 250.00
 Faculty Publications..... 1,000.00 2,750.00
 From Anonymous 514.66

GENERAL

From Women's Society of Christian Service
 for the Methodist Church..... 25.00

GREEK

From L. Arnold Post..... 400.00

GUMMERE-MORLEY ROOM - PORTRAITS

From Augustus W. Blair..... 5.00
 Benjamin Cadbury..... 10.00
 Minturn Post Collins..... 100.00
 Walter Morris Hart..... 100.00
 Christopher Morley..... 250.00
 Felix M. Morley..... 500.00
 John W. Muir..... 10.00
 William H. Nicholson, Jr..... 125.00
 Gilbert J. Palen..... 40.00
 F. Maxfield Parrish..... 25.00
 W. Nelson L. West..... 866.25
 Stanley R. Yarnall..... 200.00 2,231.25

RUFUS JONES MEMORIAL

From Mary Champney..... 100.00

JOURNAL FUR REINE UND ANGEWARDTE

From Carl W. Allendoerfer..... 40.00

From LIBRARY ASSOCIATES
 as per list following..... 558.50

From Matzke Royalties (from Publisher)..... 37.42

Forward..... \$6,656.83 \$341.13

Forward.....		\$6,656.83	\$341.13
Minor Library Donations			
Through Miss Amy Post.....	54.34		
From Drama Account.....	.40		
From German Books.....	.02	<u>54.76</u>	6,711.59
FOR SCHOLARSHIPS			
For Japanese Scholar			
Jun Ayusawa			
From Student Aid.....	500.00		
Anonymous.....	<u>800.00</u>	1,300.00	
From Edward B. Burling.....		1,500.00	
From Catherwood Foundation.....		1,000.00	
Corporation Scholarship Relinquished			
From D. Blum.....	300.00		
J. Hastings.....	300.00		
J. Peden.....	150.00		
J. Storm.....	<u>300.00</u>	1,050.00	
From Andrew L. Lewis.....		625.00	
From Maryland Society of Haverford.....		900.00	
From Samuel Mason, Jr.....		175.00	
From New England Scholarship Committee.....		500.00	
Isaac Sharpless Scholarship Fund			
From David C. Bevan.....	50.00		
H. Tatnall Brown.....	10.00		
Thomas M. Chalfont.....	50.00		
Carroll L. Corson.....	25.00		
Philip L. Corson.....	25.00		
Loring Dam.....	50.00		
Gilbert C. Fry.....	50.00		
G. Randle Grimes.....	5.00		
Donald Hayes.....	25.00		
Philip L. Leidy.....	50.00		
Robert A. Locke.....	50.00		
Benjamin H. Lowry.....	25.00		
Samuel G. M. Maule.....	5.00		
Sydney S. Morris.....	50.00		
Theodore H. Morris, III.....	20.00		
Roland C. Neuhaus.....	25.00		
Charles A. Olson, Jr.....	10.00		
William Y. Rodewald.....	10.00		
Gerald F. Rorer.....	15.00		
E. A. Russell.....	50.00		
James Schnaars.....	10.00		
Edward W. Test.....	5.00		
H. Norman Thorn.....	25.00		
Solis Tollin.....	5.00		
Charles Warner.....	50.00		
Harman A. Yerkes (Representative for group collecting for the original Isaac Sharpless Scholarship Fund)	<u>288.56</u>	<u>983.56</u>	
Forward.....		\$8,033.56	\$7,052.72

Forward.....	\$8,033.56	\$7,052.72
From Stavitsky Foundation.....	250.00	
Students Loans		
From Harry F. Stiles.....	1,500.00	
From Sydney M. Cone, Jr.....	300.00	
Dr. Lawrence Glover.....	100.00	
John Rich.....	<u>250.00</u>	10,433.56
FOR SALARIES		
From Alumni Association.....		3,542.00
FOR CAMPUS CLUB		
as per following lists.....	292.00	
Sale of tree.....	<u>8.00</u>	<u>300.00</u> 300.00
FOR CLASS OF 1934 FUND		
From C. M. Bancroft.....	15.00	
L. L. Greif, Jr.....	10.00	
J. M. Fultz.....	10.00	
L. W. Flaccus.....	10.00	
B. S. Loewenstein.....	10.00	
M. W. Stanley.....	10.00	
Redemption of Bonds.....	1,039.83	
Maintenance & Operation Budget.....	<u>456.57</u>	1,561.40
FOR CARE OF COPE FIELD		
From Alfred G. Scattergood, Trustee.....		50.00
FOR FRESHMAN ENGLISH		
From Carnegie Corporation of New York.....		12,000.00
FOR GENERAL PURPOSES		
From Temple Adath Israel.....	250.00	
Anonymous.....	5.00	
W. F. Chew.....	<u>15.00</u>	270.00
FOR DR. GREEN PROJECT		
From Research Corporation.....		3,500.00
FOR DR. T. O. JONES PROJECT		
From Research Corporation.....		1,720.00
FOR RADIO CLUB		
Interest Allowed.....		70.45
FOR SKATING LODGE		
From Thomas McConnell, III.....	896.00	
Carried forward from last year		
for furniture.....	1,000.00	
College budget.....	<u>338.83</u>	
Forward.....	\$2,234.83	\$40,500.13

Forward.....	\$2,234.83		\$40,500.13
FOR SKATING LODGE (Continued)			
Skating Pond.....	<u>1,000.00</u>	3,234.83	
FOR RUSSIAN PROGRAM			
From Bryn Mawr College.....		<u>2,916.68</u>	6,151.51
ALUMNI SUSTAINING FUND			
Transferred from Campaign in lieu of annual giving.....			25,000.00
HUMAN RELATION GIFT			
Anonymous.....	5,109.54		
Dividend on stock donated.....	<u>256.50</u>	<u>5,366.04</u>	<u>30,366.04</u>
			<u>\$77,017.68</u>

CONTRIBUTORS TO THE "LIBRARY ASSOCIATES"

Mr. & Mrs. Eugene C. Alder.....	\$ 3.00	Mr. & Mrs. Dean P. Lockwood.....	\$ 2.00
Mr. & Mrs. Carl B. Allendoerfer...	3.00	Mr. & Mrs. John C. Loder.....	10.00
Dr. & Mrs. Kenneth Appel.....	40.00	Mrs. Howard Longstreth.....	3.00
Mr. & Mrs. Manuel Asensio.....	2.00	Mr. & Mrs. Benjamin Ludlow.....	5.00
Mr. & Mrs. Herbert O. Bailey.....	10.00	Mr. & Mrs. Archibald MacIntosh....	2.00
Mr. Wilfred Bancroft.....	5.00	Miss Belle Matheson.....	3.00
Mr. Robert Barrie, Sr.....	5.00	Mr. & Mrs. Richard W. Mecaskey....	3.00
Mr. & Mrs. William A. Battley.....	2.00	Mr. & Mrs. Philip Mecham.....	6.50
Mr. & Mrs. John T. Begien.....	2.00	Mr. & Mrs. William B. Meldrum.....	2.00
Mr. & Mrs. Paul Bleyden.....	2.00	Mr. & Mrs. Clinton L. Mellor.....	2.00
Mr. & Mrs. Harold W. Brecht.....	2.00	Miss Virginia McCall.....	5.00
Mrs. Robert M. Bird.....	2.00	Mr. & Mrs. William E. Miller.....	5.00
Dr. & Mrs. Arthur A. Buskin.....	2.00	Mr. & Mrs. James F. Mitchell, Jr..	5.00
Mr. & Mrs. Friedrich Bruns.....	2.00	Mr. C. Christopher Morris.....	10.00
Mrs. Richard L. Cary.....	2.00	Mr. Clarence Myers.....	2.00
Mr. & Mrs. Aldo Caselli.....	2.00	Mr. Arthur H. Napier.....	3.00
Miss Edith Chambers.....	4.00	Dr. & Mrs. Jesse T. Nicholson.....	10.00
Mr. & Mrs. George K. Chandler.....	2.00	Mr. & Mrs. Raymond T. Ohl.....	5.00
Dr. & Mrs. J. Howard Cloud.....	2.00	Mr. Nicholas Orehoff.....	2.00
Mrs. Julia Cope Collins.....	5.00	Miss Ethel G. Peirce.....	2.00
Mr. & Mrs. Bennett S. Cooper.....	2.00	Mr. & Mrs. Harry W. Pfund.....	2.00
Mr. & Mrs. Carlton Cressman.....	5.00	Mr. & Mrs. L. Arnold Post.....	2.00
Mr. Claude A. Cubberley.....	2.00	Miss Ida W. Pritchett.....	5.00
Dr. & Mrs. David M. Davis.....	4.00	Miss Diana Reeve.....	5.00
Dr. & Mrs. Lovett Dewees.....	2.00	Mr. & Mrs. Layton B. Register.....	10.00
Dr. & Mrs. T. McKean Downs.....	15.00	Mr. Legh W. Reid.....	3.00
Mr. & Mrs. Thomas E. Drake.....	2.00	Mr. & Mrs. Charles J. Rhoads.....	10.00
Mr. Edward W. Evans.....	2.00	Mr. Charles S. Ristine.....	5.00
Mrs. Leonard L. Eyster.....	2.00	Mr. Louis B. Robinson.....	5.00
Mrs. McClure Fahnestock.....	2.00	Dr. & Mrs. George Rosengarten.....	5.00
Dr. & Mrs. Clifford B. Farr.....	2.00	Mrs. John M. Rusby.....	2.00
Miss Esther H. Flynt.....	5.00	Mr. & Mrs. William P. Sadler.....	15.00
Miss Sara K. Fuller.....	2.00	Dr. S. W. Sappington.....	2.00
Mr. & Mrs. James H. Genung.....	4.00	Mr. & Mrs. Ralph M. Sargent.....	5.00
Mr. & Mrs. Douglas W. Gould.....	5.00	Mr. & Mrs. Malcolm G. Sausser.....	5.00
Mr. & Mrs. Louis C. Green.....	2.00	Mr. J. Henry Scattergood.....	5.00
Mr. Morris M. Green.....	10.00	Mr. & Mrs. Samuel Scoville, Jr....	2.00
Miss Gladys Griscom.....	2.00	Mr. & Mrs. Leslie R. Severinghaus.	10.00
Mr. & Mrs. John F. Gummere.....	2.00	Dr. & Mrs. Frederic C. Sharpless..	2.00
Mr. & Mrs. Richard M. Gummere....	2.00	Mr. & Mrs. Lucius R. Shero.....	5.00
Miss Bertha E. Harding.....	5.00	Miss Mary C. Smith.....	5.00
Miss Ethel Hastings.....	5.00	Mr. & Mrs. Freas B. Snyder.....	2.00
Mrs. John V. Hastings, Jr.....	5.00	Dr. & Mrs. Herman M. Somers.....	2.00
Mr. & Mrs. Howard K. Henry.....	5.00	Mr. & Mrs. Herbert W. Starr.....	1.00
Mr. & Mrs. John B. Heyl.....	5.00	Mr. & Mrs. Hugh E. Stone.....	5.00
Miss Margaretta S. Hinchman.....	2.00	Mr. & Mrs. Kenneth E. Stuart.....	7.00
Mr. & Mrs. Harrison S. Hires.....	10.00	Mr. & Mrs. Philip S. Sweetser.....	2.00
Mr. & Mrs. William L. Hires.....	4.00	Mr. Emmett R. Tatnall.....	2.00
Mr. & Mrs. Clarence G. Hoag.....	10.00	Mr. & Mrs. Herbert W. Taylor.....	4.00
Mr. & Mrs. Gilbert Hoag.....	3.00	Miss Marjorie L. Thompson.....	5.00
Mr. & Mrs. Howard J. Hogenaur.....	5.00	Mr. & Mrs. Edwin L. Voegel.....	4.00
Mr. & Mrs. Langley S. Homer.....	5.00	Mr. & Mrs. W. C. Wagner.....	5.00
Mr. & Mrs. Allen F. Horton.....	4.00	Mrs. J. Gardiner Walton.....	5.00
Mr. & Mrs. Holland Hunter.....	2.00	Mr. & Mrs. Nelson West, III.....	2.00
Mrs. Ralph D. Jackson.....	2.00	Mr. & Mrs. W. Nelson L. West.....	5.00
Mrs. Horace H. Jenks.....	5.00	Mr. & Mrs. Gilbert F. White.....	3.00
Mr. & Mrs. Ames Johnson.....	2.00	H. Justice Williams.....	2.00
Mrs. Elizabeth B. Jones.....	2.00	Dr. & Mrs. D. Wright Wilson.....	2.00
Mr. & Mrs. J. Barclay Jones.....	5.00	Miss Rebecca B. Wistar.....	3.00
Mrs. Rayner W. Kelsey.....	2.00	Mr. & Mrs. Thomas Wistar.....	10.00
Mr. & Mrs. William M. Kift.....	5.00	Mr. Robert B. Wolf.....	2.00
Mr. & Mrs. M. Albert Linton.....	10.00	Mr. & Mrs. Thomas M. Woodward....	5.00
Miss Dorothy H. Litchfield.....	2.00	Mr. & Mrs. Edward Woolman.....	5.00

Forward \$278.00

\$558.50

CONTRIBUTORS TO THE "CAMPUS CLUB"

Mrs. H. L. Balderston.....	\$ 2.00
Edward H. Cahill.....	15.00
F. F. Campbell.....	2.00
Mrs. Charles Carver.....	25.00
Mr. and Mrs. Howard Comfort.....	2.00
David M. Davis.....	2.00
Aubrey C. Dickson, Jr.....	5.00
Charles Evans.....	10.00
Elizabeth B. Jones.....	2.00
John A. Kelly.....	5.00
Morris E. Leeds.....	20.00
Mr. & Mrs. W. E. G. Miller.....	10.00
C. C. Morris.....	15.00
John W. Muir.....	2.00
Robert Scott Noone.....	10.00
Mr. & Mrs. Harry W. Pfund.....	6.00
G. Ruhland Rebmann, Jr.....	10.00
Charles S. Ristine.....	10.00
A. G. Scattergood.....	5.00
Mr. & Mrs. Albert K. Smiley.....	20.00
Jonathan M. Steere.....	5.00
A. G. Tatnall.....	3.00
W. Wyclif Walton.....	5.00
Mrs. E. O. Warner.....	2.00
Thomas Wistar.....	5.00
Edward Woolman.....	94.00
	<u>94.00</u>
	<u>\$292.00</u>

REPORT OF
 "LOAN FUND"
 Established 1926

Report No. 24

August 31, 1950

Current Year 1949-50

Cash balance on hand, August 31, 1949.....	\$ 10,103.33
10 Loans repaid during year.....	1,452.10
13 Partial payments on loans during year.....	680.91
Interest received during year.....	<u>401.72</u>
	\$ 12,638.06
Operating expense:	
Printing forms.....	\$ 3.50
26 Loans made during year.....	<u>5,756.50</u>
	5,760.00
Cash balance on hand, August 31, 1950.....	6,878.06
Loans outstanding, August 31, 1950.....	12,441.80
Interest outstanding, August 31, 1950.....	641.88
Total Resources, August 31, 1950.....	<u>\$ 19,961.74</u>

Total to August 31, 1950

Gifts and Donations.....	\$ 28,131.14
398 Loans repaid.....	59,179.65
522 Payments on loans.....	22,354.33
Interest Paid up.....	14,691.36
Other sundry collections.....	<u>50.02</u>
Total receipts.....	\$124,406.50
Repayments of Gifts and Donations.....	\$21,708.05
Loss on Funds at Merion Title & Trust Co.....	582.01
Expenses.....	145.46
Loans Granted.....	<u>95,092.92</u>
	117,528.44
Cash balance, August 31, 1950.....	6,878.06
Outstanding interest to August 31, 1950.....	641.88
Outstanding loans to August 31, 1950.....	<u>12,441.80</u>
Total Resources, August 31, 1950.....	<u>\$ 19,961.74</u>

ENDOWMENT FUNDS

FUNDS FOR GENERAL PURPOSES

GENERAL ENDOWMENT FUND

Founded in 1847 with subscriptions of \$50,000 by a number of Friends. Additions were made as follows: 1868, from an anonymous source, \$5,000; 1869, bequest of Ann Haines to increase the compensation of professors, \$2,670; 1870, bequest of Richard D. Wood, \$18,682.96; 1872, from William Evans, \$1,000; 1874, from executors of Jesse George, deceased, \$5,000; 1880, bequest of Dr. Joseph W. Taylor, \$5,000; 1901, legacy of Ann Williams, \$2,425.50; 1941, from children of Aubrey C. Dickson in his memory, \$300. Present book value, \$97,295.14. The income is used for salaries and scholarships.

JOHN FARNUM MEMORIAL FUND

Founded in 1878 by the heirs of John Farnum by gift of \$25,000 as a memorial to him. Added to in 1899 by legacy of \$10,000 from Elizabeth H. Farnum, widow of John Farnum. The income only is to be used to endow a "professorship of some practical science or literature." The chair of chemistry was designated as the "John Farnum Professor of Chemistry." The principal is held in the name of three Trustees for the benefit of The Corporation of Haverford College. Present book value, \$32,375.19.

JOHN M. WHITALL FUND

Founded in 1880 by bequest of \$10,000 from John M. Whitall, Sr. Present book value, \$10,640.09. The bequest is upon the condition that the art of drawing, especially mechanical drawing, shall be taught, and the income only is to be used, and for this purpose.

DAVID SCULL FUND

Founded in 1885 by bequest of \$40,000 from David Scull, Sr. Present book value, \$44,806.59. The income only is to be used to endow a professorship. The chair of biology was designated as the "David Scull Professor of Biology."

EDWARD L. SCULL FUND

Founded in 1865 by net bequest of \$9,500 from Edward L. Scull, '64. The legacy was added to the General Endowment Fund, but in 1888 it was set apart as a separate fund. Present book value, \$11,364.35. The income only is to be used. The bequest is free from any legally binding conditions, but it was the testator's desire "that some judicious means shall be employed by the Managers to further advise students on the subjects of diet and reading."

WISTAR MORRIS MEMORIAL FUND

Founded in 1892 by gift of \$5,000 in bonds by Mary Morris, widow of Wistar Morris, as a memorial to him. There are no restrictions. The income is used for general college purposes. Present book value, \$5,144.24.

ISRAEL FRANKLIN WHITALL FUND

Founded in 1896 by net legacy of \$9,667.83 from Israel Franklin Whitall. Present book value, \$10,781.94. The income only is used for the payment of professors or teachers.

JACOB P. JONES ENDOWMENT FUND

Founded in 1897 by residuary legacy of Jacob P. Jones. This amounted when received to par value of \$279,021.60; book value, \$332,301.60, and sundry real estate. The real estate has all been sold, netting \$847,709.92. Present book value, \$1,301,375.34. The income only is to be used for general college purposes, and out of said income there shall be admitted a portion at least of the students either free of charge or at reduced rates. In accordance with this provision, about \$7,500 per annum is used for scholarships, and the balance of income for general college purposes. Jacob P. Jones' will contains the following: "My hope is that under the blessing and favor of God there will come from this source a revenue which shall be productive of growth and vigor in the institution as well as help at this critical period of their lives to many deserving young men of slender patrimony."

JOHN FARNUM BROWN FUND FOR THE STUDY OF THE BIBLE, BIBLICAL HISTORY AND LITERATURE, PHILOSOPHY, AND KINDRED SUBJECTS

Founded in 1900 by the late T. Wistar Brown as a memorial to his son, John Farnum Brown, '93. The original gift was in cash and securities of a par value of \$43,000, shortly afterwards increased by further gifts of \$15,000. The founder made further gifts of cash and securities until 1915, the total being \$19,381 cash and \$48,500 par of securities with book value of \$41,490. His total gifts therefore had a book value of \$234,970.81. Of this, \$5,000 donated in 1910 is for endowment of prizes in Biblical History and in Philosophy. A portion of the income was capitalized each year to keep intact the full value of the fund until 1940 when this fund was included in the Consolidation of funds. Present book value, \$275,899.76. The income only is to be used for the purpose of making provision for the regular study of the Bible and Biblical History and Literature, and as way opens for religious teaching. In 1910, the scope and title of the Fund were enlarged to include "and Philosophy and Kindred Subjects." Income up to \$200 may be used for prizes in Biblical Literature and Philosophy.

ELLEN WALN FUND

Founded in 1900 by legacy of \$10,000 from Ellen Waln. Present book value, \$11,117.10. There are no restrictions. The income is used for general college purposes.

CLEMENTINE COPE ENDOWMENT FUND

Founded in 1904 by bequest of \$25,000 from Clementine Cope. There are no restrictions. The income is used for general college purposes. Present book value, \$21,493.67.

NATHAN BRANSON HILL TRUST

Founded in 1904 by deposit with First National Bank and Trust Company of Minneapolis, Minn., Trustee, of a paid up life insurance policy for \$5,000 by Samuel Hill, '78, being in memory of his father, Nathan Branson Hill. The income is to be used to aid in the maintenance of Haverford College so long as it shall remain under the auspices of the Society of Friends. In 1931 Samuel Hill died and the policy realized \$5,039. The Trust is to remain in the care of the above named bank, now known as First National Bank of Minneapolis, until twenty-one years after the death of Samuel Hill's son, James N. Hill, who is still alive. At that time, the Trust is to terminate and the principal is to be vested in Haverford College absolutely.

JOSEPH E. GILLINGHAM FUND

Founded in 1907 by bequest of \$50,000 from Joseph E. Gillingham. The testator said, "I request, but I do not direct, that part of the income of this legacy may be used for free scholarships for meritorious students." In accordance with this request, \$800 was until recently appropriated annually from the income for scholarships, the balance being used for general college purposes. Present book value, \$42,394.72.

HENRY NORRIS FUND

Founded in 1907 by bequest of \$5,000 from Henry Norris. Present book value, \$5,886.01. There are no restrictions. The income is used for general college purposes.

ELIZABETH H. FARNUM FUND

Founded in 1891. The original principal of this fund, amounting to \$10,000, was held by the Provident Trust Co. of Philadelphia under a deed of trust created by Elizabeth H. Farnum of Philadelphia. The income was first paid to a life tenant until 1914, when income first accrued to the College "for the payment of the salaries of teachers and professors by the said College employed." Under date of Ninth Month 18, 1944, upon petition of the Trustee, concurred in by the College, the Court of Common Pleas awarded the principal to the Corporation of Haverford College "to be administered by it for the purposes set forth in the deed of trust in accordance with the non-profit corporation law."

JAMES R. MAGEE FUND

Founded in 1915 by bequest of \$10,000 from James R. Magee, '59, and added to in 1925, 1926, 1928, 1929, 1930, 1931, 1932, 1936, 1937, 1940, and 1944 by additional payments of \$29,182.84, \$1,694.84, \$499.31, \$499.68, \$488.85, \$207.33, \$400, \$250, \$100, \$449.89, \$175.00, 197.99 (1947-48) and \$7.40 (1948-49), under his legacy. Present book value, \$45,035.96. There are no restrictions except that the income only is to be used. This is applied to general college purposes.

ALBERT K. SMILEY FUND

Founded in 1915 by gift of \$1,000 from Daniel Smiley, '78, as a memorial to his brother, Albert K. Smiley, '49, and added to in 1924 and 1926. Present book value, \$1,500.00. There are no restrictions except that preference was expressed that the income only should be used. This is applied to general college purposes.

THE HINCHMAN ASTRONOMICAL FUND

Founded in 1917 by bequest of \$10,000 par value securities from Charles S. Hinchman. Increased in 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, and 1936 by donations of \$28,926.95 from a friend of the College. Present book value, \$39,515.48. The income only to be used "to increase the salary of the astronomical professorship so as to provide a suitable instructor in the ennobling study of the heavens."

WALTER D. AND EDITH M. L. SCULL FUND

Founded in 1918 by bequest of Walter D. Scull, whose death followed shortly after the death of his sister, Edith M. L. Scull. Each left his or her estate to the other, unless predeceased; in this latter case both American estates were left to Haverford College. Both were children of Gideon D. Scull, '43, and resided in England. Income accumulated before the receipt of the fund by the College amounted to \$16,887.66, of which \$15,078.51 was added to the

principal of the fund. Present book value, \$174,560.31. The fund was created to establish a professorship of modern English constitutional history, and the chair has been designated as the Walter D. and Edith M. L. Scull Professorship of History.

ALBIN GARRETT MEMORIAL FUND

Founded in 1919 by legacy of \$25,000 from Mary Hickman Garrett, in memory of her late husband, Albin Garret, '64. Present book value, \$26,771.00. There are no restrictions. The income is used for general college purposes.

ARNOLD CHASE SCATTERGOOD MEMORIAL FUND

Founded in 1919 by gift of \$30,000 in securities from Maria Chase Scattergood in memory of her son, Arnold Chase Scattergood, of the Class of 1919, who died in his Junior year. The income only is to be used toward the payment of professors' salaries. Present book value, \$24,381.59.

FRANCIS B. GUMMERE MEMORIAL FUND

Founded in 1920. This fund was started by a gift of \$25,000 from the late Miss Emily H. Bourne, of New York, conditional upon the raising of \$100,000 additional for an endowment of the Chair of English Literature in memory of her friend, Professor Francis Barton Gummere. A committee of alumni, consisting of J. Stogdell Stokes, '89, chairman; E. R. Tatnall, '07, treasurer; Hans Froelicher, '12, secretary; Charles J. Rhoads, '93; Alfred M. Collins, '97; Winthrop Sargent, Jr., '08, and Parker S. Williams, '94, working with President Comfort, organized a comprehensive campaign among the alumni and friends of the College to raise \$375,000 for this purpose and for increase of professors' salaries; the first \$100,000 of unspecified gifts was used to complete the Francis B. Gummere Memorial Fund to at least \$125,000, and the balance comprised the Isaac Sharpless Memorial Fund. Total, book value, \$125,569.51.

ISAAC SHARPLESS MEMORIAL FUND

Founded in 1920. The alumni of the College conducted during 1920 a campaign for \$375,000 additional endowment for the College to make possible additional salaries to the professors. Appeal was made to found two new funds, the Francis B. Gummere Memorial Fund and the Isaac Sharpless Memorial Fund. The funds received, except where otherwise specified, were first applied to the completion of the former up to \$125,000 (see above). Specified gifts and donations thereafter received, were then applied to the Isaac Sharpless Memorial Fund. The income only is to be used for salaries of professors. Total book value, \$218,728.43.

GENERAL EDUCATION BOARD FUND

The General Education Board of New York appropriated \$125,000 in 1920 to the campaign for increase of endowment when the Francis B. Gummere Memorial Fund and the Isaac Sharpless Memorial Fund, totaling \$375,000, were raised. Interest at five per cent was paid on the full sum for three years, and the \$125,000 in full payment was completed in 1926-1927. Total book value, \$126,076.83.

HAVERFORD IMPROVEMENT FUND AND CONSOLIDATED CAMPUS HOUSES ACCOUNT

Founded in 1922 to hold the Corporation's undivided share in College Lane land and eight houses. This property was turned over to the Corporation free of debt on Third Month 17, 1922, and with same the then debt of the Corporation amounting to \$155,942.15 was liquidated. The fund started with an

undivided interest of \$19,000. There was added in 1922, \$9,000; and in 1925, \$2,000. In 1926, \$5,000 of this fund was sold and the proceeds were appropriated for the alterations to Roberts Hall. The balance of this fund, \$25,000, was also used in 1927 for the same purpose. The income was used for general college purposes.

The College Lane land was purchased in 1886 for the benefit of the College by David Scull, Justus C. Strawbridge, Richard Wood and Francis Stokes, Managers of the College and now all deceased. With contributions raised by them and by mortgages on which they went on the bonds, funds were raised to build six dwelling houses, and two houses were built by the Corporation itself. From the income of the houses the debt against the properties was gradually reduced until it was entirely liquidated in 1919. The net income from 1919 until 1922, when the property was turned over to the Corporation, was applied toward the reduction of the Corporation's debt.

As of Ninth Month 1, 1944, all of these eight College Lane houses, together with seven houses which had been bought for the College and formed a part of the College debt, and nine other Campus houses which were owned free of debt, were consolidated at a combined valuation of \$281,331.70 into a new Campus Houses Account held by Consolidated Investment Account. There have been additional investments in other College houses from time to time and the present book value is \$361,199.64. A return of 4% interest is to be credited to income to the College and 1% is to be applied to the annual reduction of the investment.

CENTENARY FUND

Centenary Fund (1) was founded in 1926 by gifts to the College in anticipation of the one hundredth anniversary of its founding in 1833. There were no restrictions and the income was used for general college purposes until 1935, when the principal was used in the liquidation of debt.

In 1935 a further campaign among the Alumni was conducted under the direction of William M. Wills, '04, to add to the funds raised in commemoration of the Centenary. This was designated as Centenary Fund (2) but in 1935-1936 the payment of pledges to (1) were merged with (2) at the request of donors, and the two accounts are now considered as one.

During 1936-1937, \$9,000 additional donations were made by members of the Strawbridge family, and of these \$3,372.63 were transferred for the final cost of the William J. Strawbridge '94 Memorial Astronomical Observatory, and \$5,627.37 were set aside to establish the Strawbridge Observatory Maintenance Fund. Other additional gifts of \$16,017.04 were made in 1936-1937, \$7,700 in 1937-1938, \$2,150 in 1938-1939, and \$15 in 1939-1940 bringing the totals contributed to both funds to date, for the Observatory \$47,000, and for other uses \$145,947.55.

From the \$16,017.04, together with \$1,550 realized from a previous gift of an investment, the balance of the debt for pension contributions \$12,022.57 was met, \$5,544.47 was applied to the debt for accrued deficits, \$7,700 was applied to the operating year 1937-1938, and \$2,150 to that of 1938-1939, \$15.00 to that of 1939-1940, and \$11.34 for 1940-1941, and \$50 for 1943-1944.

There remained one investment in this fund not yet realized upon with a book value of \$231.06. At end of 1943-44 this was absorbed into Consolidated Investment Account, and the debt reduced further by \$231.06.

WILLIAM PENN FOUNDATION

Started in 1926 toward a fund of \$120,000 to establish a chair or lectureship in Political Science and International Relations. This fund forms a part of the Centenary program to raise \$1,000,000. This foundation is to be devoted, at the discretion of the Managers, to providing adequate undergraduate instruction in the theory and practice of our own and other governments, in the history of past attempts to secure international agreements and in the methods by which good international understanding may be promoted and maintained. Book value to date, \$102,067.43.

WALTER CARROLL BRINTON MEMORIAL FUND

Founded in 1920 by gift of \$5,000 by the family of Walter Carroll Brinton, Class of 1915, who died in France Twelfth Month 8, 1918, while engaged in Friends' Reconstruction Work. The fund sustained the Walter Carroll Brinton Scholarship until 1926-1927. It was then increased \$6,000 by further gifts of the founders, and at their request the purpose was changed from a scholarship fund to form a separately named fund of the William Penn Foundation, with its income to be used for the same objects. Present book value, \$14,125.79.

CORPORATION FUND

Founded in 1928 by setting aside \$70,000 of proceeds from sale of 5.811 acres of land on the southern boundary and at the southeastern corner of the College farm. In 1937, the fund was increased \$8,810, being proceeds of the sale of 1.762 acres of land to the Philadelphia Skating Club and Humane Society for their new ice skating rink. Present book value, \$80,010.00. The fund is invested and the income used for general college purposes, until otherwise directed by the Managers.

ELIZABETH J. SHORTRIDGE FUND

Founded 12 Month 22, 1930, by bequest from Elizabeth J. Shortridge, without restrictions. Until otherwise directed by the Managers, the income only is used for general purposes. Present book value, \$10,000.00.

HOWARD COMFORT MEMORIAL FUND

Founded in 1934 by gift of \$1,000 from President William Wistar Comfort in memory of his father, Howard Comfort, Class of 1870, who was a Manager from 1880 until his death in 1912, and Secretary of the Board of Managers from 1884 until 1908.

The fund was added to by further gifts from the same donor of \$1,000 in 1935, \$1,000 in 1936, \$2,000 in 1937 and \$500 in 1949. The income only is to be used for general purposes. Present book value \$5,527.31.

EMMA RIDGWAY COMLY FUND

Founded 1935 by bequest of \$50,000 from Emma Ridgway Comly, a Philadelphia Friend. The bequest was unrestricted as to both principal and income. The income is used for general purposes. Present book value, \$49,987.50.

ELLEN W. LONGSTRETH FUND

Founded 1935 by bequest of \$20,000 and her residuary estate from Ellen W. Longstreth, a Friend belonging to Haverford Meeting, and living in Bryn Mawr. The principal and income are both unrestricted. The bequest of \$20,000 and residuary \$84,416.28 in 1935-36, together with further realization on residuary assets, viz. \$3,338.69 in 1936-37, \$73.33 in 1938, \$166.80 in 1942-43,

and \$258.00 in 1943-44 and in 1947-1948, \$10,785.65 additional was received upon the death of a life tenant of a trust, making a total of \$119,038.75. Present book value, \$117,520.19.

ALBERT L. BAILY FUND

Founded in 1936 by an unrestricted bequest of \$5,000 from Albert L. Baily, '78. The income is used for general purposes. Present book value, \$5,000.00.

ELIZABETH B. WISTAR WARNER FUND

Founded First Month 16, 1937, by unrestricted bequest of \$4,950 from Elizabeth B. Wistar Warner, of Germantown, widow of George M. Warner, '73. The income is used for general purposes. Present book value \$4,950.00.

T. ALLEN HILLES BEQUEST

Founded First Month 19, 1937, by receipt of the proceeds of a trust fund created in 1935 by T. Allen Hilles, class of 1870, formerly of Wilmington, Delaware, recently of Glen Mills, Pa., who died 11th Month 15, 1935. The amount received in stocks and cash was \$285,000. Proceeds of mortgages of \$7,460.94 in 1938, and final cash from executor in 1939 of \$1,603.37 brought the gross total to \$294,064.31. From this was deducted in 1939 the final settlement of taxes and fees totalling \$13,300, thus making the final net bequest \$280,764.31. Accumulated income of \$12,489.77 was also received on First Month 19, 1937. In the trust created by the donor in 1935 he provided: "The gift to Haverford College shall constitute a fund to be known as 'The Hilles Bequest,' and the income shall be used for repair, upkeep and improvement of the building which I have given to Haverford College known as the Hilles Laboratory of Applied Science of Haverford College. My purpose in making this gift is primarily to relieve the Corporation of Haverford College from any additional expense on account of the erection of the building which I have given them, and the accompanying expansion of its educational activities, but whenever and if the Board of Managers or other governing body of the College shall determine it to be for the best interest of the College to devote the whole or any part of the income of the fund to uses other than those above specified, such income may be applied to such uses and in such manner as the Board of Managers or other governing body may in its absolute discretion determine." Present book value, \$280,764.31.

LEONARD L. GREIF, JR., AND ROGER L. GREIF FUND

Founded Ninth Month 29, 1937, by gift of \$1,000 from Leonard L. Greif, '34, and Roger L. Greif, '37, of Baltimore. The gift was unrestricted, but the Managers have set aside this fund as endowment for general purposes, the income only to be used, until otherwise determined by them. Further gifts of \$1,000 from each of the above donors were made in 1947-1948. During 1949-1950 an additional gift of \$1,000.00 was received from Leonard L. Greif, Jr. Present book value, \$4,000.00.

EDWARD M. WISTAR FUND

Founded First Month 9, 1938, by gift of \$2,500 from Edward M. Wistar, '72, for endowment, the income only to be used for general purposes. Present book value, \$2,500.00.

TRIANGLE SOCIETY ENDOWMENT FUND

In 1934, the Triangle Society set up a plan of taking out insurance policies on the lives of some of its younger members. To date ten such policies have been issued, nine for \$500 each and one for \$1,000, with the College as beneficiary.

At the suggestion of the Society these ten policies have now been surrendered for their cash value and the proceeds together with the balance in the Fund and a further gift from the Society have been added to the Louis Jaquette Palmer Scholarship Fund.

MORRIS E. LEEDS FUND

Founded Sixth Month 26, 1941, by gift of 400 Participating Shares of Leeds and Northrup Stock Trust. Value \$40,000.00. The fund is unrestricted as to principal and interest, but was ordered by the Managers, until otherwise directed, to be included among the funds for General Purposes, the income only to be used. This fund is subject to an annuity of \$1,600, during the life of its donor. Present book value, \$40,000.00.

MORRIS E. LEEDS FUND No. 2

Founded Ninth Month 24, 1948, by gift from Morris E. Leeds of 550 Participating Shares of Leeds and Northrup Stock Trust, valued at \$55,000.

On Sixth Month 15, 1949, this Fund was increased by a further gift from Morris E. Leeds (made through the 1949 Campaign Account) of 620 Participating Shares of Leeds and Northrup Stock Trust, valued at \$62,000.

On Seventh Month 11, 1949, there was transferred to this Fund (through the 1949 Campaign Account) at the donor's request, a previous cash donation of \$9,000 which was being carried in Donations Account.

Total book value of Fund, \$126,000. This Fund is unrestricted as to Principal and interest, but was ordered by the Managers, until otherwise directed, to be included among the funds for General Purposes, the income only to be used.

J. HENRY SCATTERGOOD FUND

Founded Tenth Month, 1941, by donations totaling \$1,660, made by members of the Board of Managers in recognition of the services for 25 years of J. Henry Scattergood, '96, as Treasurer of the Corporation of Haverford College. A further gift of \$340 was made in 1943-44, and \$200.00 in 1949-50.

The income of this fund is to be used in the field of International Relations and to be at the disposal of the President of the College and the William Penn Professor holding the Chair in Political Science and International Relations. If the income in any year is not used for the special purposes as stated, in the discretion of the President, it may be used for general purposes. It is further provided that after Tenth Month 1, 1951 the use of the fund for other purposes, both as to principal and income, shall be subject to the direction of the Board of Managers of Haverford College.

PARKER S. WILLIAMS FUND

Founded Tenth Month 1, 1947, by unrestricted bequest of \$100,000 under the will of Parker S. Williams, Class of 1894, of Villanova, Pa., who died in 1942. The actual amount received from the executors was \$103,993.26, due to the increased value of certain investments, which were held, instead of being converted, under an agreement with the College. Income was paid to the College from time to time until the receipt of the bequest.

W. PERCY SIMPSON TRUST

Provident Trust Co. and William J. Clark Trustees

This perpetual Trust was established under the will of W. Percy Simpson, Class of 1890, who died Second Month 19, 1938. The will provides that one fourth of the net income from the residuary estate, after the death of his

widow (who died in 1940) and of his son (who died in 1946), shall go to two grandchildren, and of the remaining three quarters one tenth shall go to Haverford College. Thus Haverford's share of the income now is 3/40th. The income comes partly from securities but largely from Texas Oil Royalties and rentals. Of the present income as estimated by the Trustees, Haverford's share is about \$1,875 per annum.

The will further provides "without imposing any obligation upon Haverford College, I recommend to it the advisability of expending the moneys which shall from time to time come to it under this will or so much thereof as may be required, for the examination and analysis of applicants for admission to the College with respect to their mental, physical and general qualifications, and of students therein for the purpose of determining the field of activity best suited to the individual."

The will further provides that whenever a vacancy shall occur by the death or resignation or otherwise of the individual Trustee, the selecting of a new Trustee shall be done by the governing body of Haverford College, and that if The College fails to perform this duty, the payment of further income to it shall terminate.

CLARENCE W. BANKARD FUND

Founded Second Month 10, 1948, by unrestricted bequest from Clarence W. Bankard, Class of 1901, of Philadelphia, amounting to \$4,418.75. The Board until otherwise ordered, set up a new fund for general purposes unrestricted as to principal and income.

GILBERT C. FRY FUND

Founded Fourth Month 2, 1948, by an unrestricted gift of \$1,000 U. S. Treasury Bond from Gilbert C. Fry, of Germantown, Philadelphia, Class of 1923, in remembrance of his 25th anniversary of graduation. A new fund was set up and until otherwise ordered by the Managers, the income only will be used for general purposes. Further gift of \$500.00 was made in 1949-50. Present book value \$1500.00.

DANIEL B. BOYER FUND

Founded Third Month 3, 1948, with an initial gift of \$2,500 in stock from Daniel B. Boyer, Boyertown, Pa., Class of 1911. The donor's letter states: "It is my desire that the income from the stock be allocated for faculty use. If present reduced College income is not sufficient to cover current faculty needs, the Board of Managers should not hesitate to sell the shares and apply the proceeds for that purpose." A new fund was set up, and until otherwise ordered by the Managers, the income only will be used for faculty salaries.

MARY K. COMLY FUND

Founded Sixth Month 29, 1948, by unrestricted bequest of Mary K. Comly, of Philadelphia, of \$35,000. A new fund was set up, and until otherwise ordered by the Managers, the income only is to be used for general purposes.

HENRY C. BROWN TRUST

Pennsylvania Co. for Banking and Trusts, Trustee

Founded Eighth Month 18, 1948, by bequest of estimated value of \$183,000 from Henry C. Brown, of Philadelphia, ex Class of 1866, to the Pennsylvania Co., in trust for benefit of Haverford College. The will provides that the income is to be used for current expenses. The will further provides that "the said College shall have power in its discretion to use a portion of the principal of the said trust estate not exceeding in any one year twenty per cent

of the original fund for permanent purposes such as buildings, books and equipment proper for conducting the work of instruction and education.”

The Managers have not as yet made any requisition to the Trustee for any share of the principal of the Trust.

MARRIOTT C. MORRIS FUND

Founded Ninth Month 1, 1948, by unrestricted bequest of \$10,000 from Marriott C. Morris, Class of 1885, of Germantown.

The fund is classified among unrestricted funds for General Purposes, and is included in Consolidated Investment Account. Book value, \$10,000.

MARY BROWN FUND

Founded Sixth Month 1, 1949, by unrestricted bequest of \$1,000 from Dr. Mary Brown, of Drexel Hill, Pennsylvania.

The fund is classified among unrestricted funds for General Purposes, and is included in Consolidated Investment Account. Book value, \$1,000.

FUND FOR GRADUATE SCHOOL

MOSES BROWN FUND

A trust founded by T. Wistar Brown, in 1906, as a memorial to his father, Moses Brown. Transferred to the College in 1916 after his death, having at that time a par value of \$372,821.91 and book value of \$318,823.56. Present book value, \$366,266.56. The fund was created to establish a graduate course in religious study in harmony with and supplementary to the teaching and study provided for by the John Farnum Brown Fund. The income only is to be used; at least ten per cent of the total income must be capitalized each year. The unused income, if any, is likewise capitalized at the close of each fiscal year. The graduate school supported by the Moses Brown Fund was designated "The Thomas Wistar Brown Graduate School." In 1927 the former separate school was discontinued and eight graduate scholarships were created.

In 1937-1938, arrangements were first made for cooperation in courses with Pendel Hill, a school for religious education under the care of Friends, located at Wallingford, Pa.

FUNDS FOR INFIRMARY

INFIRMARY ENDOWMENT FUND

Founded in 1911 from subscriptions totaling \$9,072.55, raised among alumni and friends of the College. The income is used toward the expenses of the Morris Infirmary. Present book value, \$9,653.44..

JOHN W. PINKHAM FUND

Founded in 1911 by legacy of \$5,000 from Dr. John W. Pinkham, '60, being transmitted by gift from his widow, Cornelia F. Pinkham. There are no binding conditions, but as she expressed an interest in the Morris Infirmary, then building, the Board of Managers directed that the income of this fund should be used in the support and maintenance of the Infirmary. Present book value, \$5,059.50.

FUND FOR HAVERFORD UNION

HAVERFORD UNION FUND

Founded in 1920 by gift from the former Haverford Union Members of \$1,000 par value of bond at book value of \$800 and \$678.59 cash, and all the personal property in the Union from the Haverford College Union. The College assumed the responsibility for the care of the building First Month 16, 1920. The income is used toward the maintenance of the Union building. Present book value, \$1,878.82.

FUNDS FOR SCHOLARSHIPS

THOMAS P. COPE FUND

Founded in 1842 by gift of sixty shares of Lehigh Coal and Navigation Co. stock, par value \$3,000, from Thomas P. Cope. Present book value, \$5,257.82. The income only is to be used "for the education of young men to qualify them to become teachers, but who are not of ability to pay their own schooling." This fund sustains the Thomas P. Cope Scholarships.

EDWARD YARNALL FUND

Founded in 1860 by bequest of \$5,000 from Edward Yarnall. Present book value, \$6,069.23. The income only is to be used for "the support of free scholarships." The fund sustains the Edward Yarnall Scholarships.

ISAIAH V. WILLIAMSON FUND

Founded in 1876 and increased in 1883 by gifts of sundry ground rents from Isaiah V. Williamson. Present book value, \$19,817.40. The income only is to be used for free scholarships. The fund sustains the Isaiah V. Williamson Scholarships.

RICHARD T. JONES SCHOLARSHIP FUND

Founded in 1885 by bequest of \$5,000 from Jacob P. Jones as a memorial to his late son, Richard T. Jones, '63. The income only to be used to sustain the "Richard T. Jones Scholarship." Present book value, \$5,056.25.

MARY M. JOHNSON SCHOLARSHIP FUND

Founded in 1897 by bequest of \$5,000 from Mary M. Johnson. Accrued interest before payment to the College increased the fund by \$3,062.95. The bequest was to establish a "perpetual scholarship." The fund sustains the Mary M. Johnson Scholarships. Present book value, \$7,013.61.

SARAH MARSHALL SCHOLARSHIP FUND

Founded in 1897 by bequest of \$5,000 from Sarah Marshall. Accrued interest before payment to the College increased the fund by \$2,589.49. The bequest was to establish a "perpetual scholarship." The fund sustains the Sarah Marshall Scholarships. Present book value, \$7,919.76.

CLEMENTINE COPE FELLOWSHIP FUND

Founded in 1899 by gift of \$25,000 from Clementine Cope. The gift was to establish the "Clementine Cope Fellowship Fund to assist worthy and promising graduates of Haverford College in continuing their course of study at Haverford or at some other institution of learning in this country or abroad." The selection of the Fellows is made by the Board of Managers upon nomination by the Faculty. Present book value, \$22,845.86.

ISAAC THORNE JOHNSON SCHOLARSHIP FUND

Founded in 1916 by gift of \$5,000 from Isaac Thorne Johnson, '81. Present book value, \$8,913.96. The gift was to establish "The Isaac Thorne Johnson Scholarship to aid and assist worthy young men of Wilmington Yearly Meeting or of the Central West to enjoy the privileges of Haverford College." Unused income is added to the principal of the fund.

CASPAR WISTAR MEMORIAL SCHOLARSHIP FUND

Founded in 1920 by gift of Edward M. and Margaret C. Wistar of \$5,000 par value in bonds in memory of their son, Casper Wistar, of the Class of 1902, who died in Guatemala in 1917 while engaged in mission service in that country. The income only is to be used for scholarships, primarily for sons of parents engaged in Christian service, including secretaries of Young Men's Christian Associations, or students desiring preparation for similar service in America or other countries. Present book value, \$2,951.21.

J. KENNEDY MOORHOUSE SCHOLARSHIP FUND

Founded in 1926 by gifts totaling \$3,000, with \$1,000 added in 1926, and \$1,000 in 1928 and \$1,000 in 1929 from the Class of 1900 in memory of their classmate, J. Kennedy Moorhouse. The scholarship provided by this fund is "to be awarded, whenever a vacancy shall occur, to the boy ready to enter the Freshman class, who in the judgment of the President of the College appears best fitted to uphold at Haverford the standard of character and conduct typified by J. Kennedy Moorhouse, 1900, as known to his classmates: A man, modest, loyal, courageous, reverent without sanctimony; a lover of hard play and honest work; a leader in clean and joyous living." Present book value, \$5,155.85.

LOUIS JAQUETTE PALMER SCHOLARSHIP FUND

Founded in 1928 by gift of \$5,000 from Triangle Society, as follows:

"The Triangle Society of Haverford College herewith presents to the Corporation of Haverford College, a fund of Five Thousand Dollars (\$5,000) to be hereafter known and designated as the 'Louis Jaquette Palmer Scholarship Fund';

"This fund represents contributions from the members of the Triangle Society of Haverford College who have been thus inspired to perpetuate the memory of their fellow member, Louis Jaquette Palmer, of the Class of 1894, one of the founders of the Triangle Society, whom they admired for his cooperative spirit and constructive interest in student and community welfare. The fund is placed with the Corporation of Haverford College with the understanding:

"That such student shall be selected from a list of those eligible for entrance to Haverford College, who shall have combined in his qualifications the fulfillment of such conditions as apply to applicants for the Rhodes Scholarships under the terms of its creation, and furthermore that the student so selected and entered in Haverford College may continue to receive said scholarship fund throughout his course at College, subject to the approval of the Committee, otherwise preference shall be given to applications for the Freshman Class;

"That the selection of said student and the determination of the qualities and conditions hereinbefore mentioned shall be subject to the decision and control of a committee of three (3), which committee shall be composed of two (2) members of the Triangle Society and the President of Haverford College, the said members of the Triangle Society to select and recommend the applicants and the committee as a whole to determine their qualifications and eligibility.

"Finally, in the event that no student is selected by the Triangle Society or that a vacancy occurs, the income from said funds and any additions shall accumulate as provided under the customary rules and regulations of the Corporation of Havorford College."

In 1950 there was added to this fund the proceeds of ten life insurance policies formerly held in the Triangle Society Endowment Fund amounting to \$2,954.18 plus the balance of \$500 in that Fund and an additional con-

tribution of \$543.01 by members of the Society, making the present book value of this Fund \$8,997.19.

PAUL W. NEWHALL MEMORIAL SCHOLARSHIP FUND

Established in 1931 by bequest of \$5,045.60 from Mary Newhall in memory of her father, Paul W. Newhall, a Manager, 1844-48, for the establishment of a scholarship fund. The income only to be used for free scholarship purposes. Present book value, \$5,045.60.

ROBERT MARTIN ZUCKERT MEMORIAL SCHOLARSHIP FUND

Founded in 1935 by gift of \$750. \$2,000 each year, 1936 to 1940, and in 1942; \$2,500 in 1941; \$1,000 in 1943; \$1,000 in 1944; \$2,000 in 1945; \$2,000 in 1947-1948, \$1,000 in 1949-1950, by Harry M. Zuckert, New York, in memory of his son, Robert Martin Zuckert, of the Class of 1936, who was killed in an accident in June, 1935. The income is to be used for scholarship and the donor said, "I should prefer a boy who is a native of New York or Connecticut and who now resides in one of those States." Present book value, \$22,250.00.

SAMUEL E. HILLES ENDOWMENT CREATED BY MINA COLBURN HILLES

Founded in 1935 by gift of \$5,000 from Mrs. Mina Colburn Hilles, of Orlando, Fla., in memory of her husband, Samuel E. Hilles, Class of 1874, formerly of Cincinnati, who died in 1931. This fund was created under a trust deed with Central Title and Trust Co., Orlando, Fla., to whom annual reports are to be made. The income only is to be used for scholarships for worthy students who are unable to finance their expenses at Haverford College. Present book value, \$5,017.31.

CLASS OF 1913 SCHOLARSHIP FUND

Founded Fourth Month 15, 1937, by gift of \$3,000 from Class of 1913 for the endowment of scholarship aid. The income only is to be used for scholarship aid, to be awarded annually to a worthy student of any undergraduate class. Preference is to be given to sons of members of the Class of 1913 who may apply and who meet the usual requirements of the College. Present book value, \$3,000.00.

THE AUGUSTUS TABER MURRAY RESEARCH SCHOLARSHIP FUND

Founded Fifth Month 31, 1939, by gift from two anonymous friends of Dr. Augustus Taber Murray, '85, by gifts of \$20,000 par value of securities subject to annuity during their lives, and with permission to use principal for the annuity payments, if necessary.

Upon the deaths of the two annuitants, the remaining principal shall be held in a fund, the "Income to be used for scholarships in recognition of the scholarly attainments of Augustus Taber Murray, a distinguished Alumnus of Haverford College, of the Class of 1885, and for many years a professor of Leland Stanford University, the fund to be known as 'The Augustus Taber Murray Research Scholarship.' Then scholarships in English literature or philology, the classics, German literature or philology (in order of preference) shall be awarded upon such terms and conditions as the College may from time to time establish to students who have received the bachelor's degree at Haverford College, and shall be awarded for the purpose of study in other institutions toward the degree of Doctor of Philosophy or such degree as may in the future correspond to that degree."

The amount of the Scholarship is to be \$900 a year whenever awarded, and only unmarried students are eligible to hold it. Present book value, \$22,460.12.

THE CLASS OF 1917 SCHOLARSHIP FUND

Founded Seventh Month 13, 1942, by initial gift of \$2,000.00 from the Class of 1917, John W. Spaeth, Jr., Treasurer, as a Twenty-fifth Anniversary Gift. A further gift of \$250.00 was made at the same time to cover the first two years of a scholarship of \$125.00 per year. Preference is to be given to a son of a member of the Class of 1917. The income only is to be used for a scholarship to the extent of \$150.00 per annum. This was increased to \$200.00 per annum in 1947-1948. Further contributions from the members of the Class of 1917 are to be applied in the following order:

(1)—To supplement the annual income from the principal sum of \$2,000.00, so that the annual scholarship stipend shall be \$150.00 (increased to \$200 in 1947-48), (increased to \$300 in 1949-50), or as near that sum as may be;

(2)—To add to the principal sum any surplus of these annual contributions not needed to serve the purpose of (1). Since the scholarship stipend for the years 1942-1943 and 1943-1944 was already provided for by the additional \$250.00 already contributed by the Class of 1917, the annual contributions from the Class in these two years was added at once to the principal sum of \$2,000.00, thus serving the purpose of (2) above. Further contributions of \$500 were made in 1944-1945; \$425 in 1945-1946; \$810 in 1946-1947; and \$985 in 1947-1948; \$250 in 1948-1949; \$450 in 1949-50. Present book value, \$6,456.08.

DANIEL B. SMITH FUND.

Founded Tenth Month 6, 1943, by gift of \$2,500 from Anna Wharton Wood, of Waltham, Mass., who died in 1944. This was increased Fifth Month 24, 1945 by a bequest of \$2,500 made by Miss Esther Morton Smith, of Germantown, Philadelphia, who died Third Month 18, 1942.

This fund is established by the granddaughters of Daniel B. Smith "in loving memory of their grandfather and his intimate association with the early years of the College."

The income is to be used, in the discretion of the Faculty as an annual scholarship for some young man needing financial aid in his College course. Preference is to be given to a descendant of their father, Benjamin R. Smith, if any such should apply. Present book value, \$5,000.00

SARAH TATUM HILLES MEMORIAL SCHOLARSHIP FUND

Founded Eleventh Month 1, 1943 by bequest of \$75,534.58 from Joseph T. Hilles 1888, in memory of his mother "Sarah Tatum Hilles."

The will directs that the income be used "to provide for such number of annual scholarships of \$250 each as such income shall be sufficient to create"; they are to be awarded by the Managers upon "needy and deserving students," and to be known as "Sarah Tatum Hilles Memorial Scholarships."

It is estimated that twelve scholars can be thus provided for at present. Present book value \$75,534.58.

ELIHU GRANT MEMORIAL SCHOLARSHIP FUND

Established Second Month 2, 1944 by gift of \$200 from Mrs. Elihu Grant to supplement the simultaneous transfer of \$803.73 to this new fund from Donations Account, being the balance of Donations made by Dr. Grant during his lifetime to the Beth Shemesh account, and \$75.00 realized from the sale of some of his books. Mrs. Grant has made a further gift of \$1,000 in 1943-44 and \$2,000 in 1944-45. And, Grant Foundation, Inc., gave \$10,000, also in 1944-45. Mrs. Grant made a further gift of \$1,000 in 1945-46. In 1949-1950 in connection with the Campaign, the Grant Foundation made a further gift to the College of \$25,000, to be added to this fund.

With the donor's approval, the terms of the fund are as follows:

"Founded in 1944 to commemorate the service to Haverford College of Dr. Elihu Grant, from 1917 to 1938, a member of the College faculty. The income from this fund is applied to scholarship assistance to students in the Humanities, primarily those specializing in the study of Biblical Literature and Oriental subjects, and is limited to those whose major subject has been approved by the College faculty. In special circumstances the income may be utilized to assist those working for a post-graduate degree at Haverford College." If conditions change, the Managers are given power to change the use of the fund. In making the additional grant in 1949-50, the Foundation stated that "the income from this present gift may be allocated as scholarship or fellowship awards by the proper authorities of the College to under graduate or graduate students without restriction as to courses of studies." Present book value, \$40,078.73.

CHRISTIAN FEBIGER MEMORIAL SCHOLARSHIP FUND

Founded Sixth Month 13, 1946 by a gift of \$8,000 from Madeleine Seabury Febiger, of Philadelphia, in memory of her husband, Christian Febiger, Class of 1900.

On Third Month 18, 1949 a bequest of \$9,050 was received from the executors of Mrs. Madeleine Seabury Febiger, who died September 27, 1947, and was added to this fund.

The income only is to be used in paying the tuition or other college expenses of worthy, needy students at Haverford College. Present book value, \$17,050.

JOSEPH L. MARKLEY MEMORIAL SCHOLARSHIP FUND

Founded 2nd Month 10, 1947 by gift of \$5,000.00 from Mrs. Mary E. B. Markley of Ann Arbor, Michigan, widow of Joseph L. Markley, A.B. '85, M.A. '86, who was Professor of Mathematics at University of Michigan. The gift was made "to be held as an endowment fund in memory of Joseph L. Markley of the Class of 1885. The income of which is to be granted each year, in the discretion of the faculty, as a scholarship to some student on the basis of character, scholarship and financial need."

JOSEPH C. AND ANNE N. BIRDSALL SCHOLARSHIP FUND

Founded 2nd Month 24, 1947 by initial gift of \$10,000 from Dr. Joseph C. Birdsall of Haverford, "for the establishment of a new fund to be known as "Joseph C. and Anne N. Birdsall Scholarship Fund, the income only to be granted each year, in the discretion of the faculty of Haverford College, as scholarship aid to some student or students of Haverford College who are preparing for medicine,—the selection to be upon the basis of character, scholarship and financial need." Further gifts 1947-48, \$5,000; 1948-49, \$5,000; 1949-50, \$5,000. Present book value, \$25,000.

DANIEL E. DAVIS, JR., MEMORIAL SCHOLARSHIP FUND

Founded by gifts made First Month 20 and Second Month 17, 1948, totalling \$3,000, by Mr. and Mrs. Daniel E. Davis, of Sewickley, Pa., to establish the Daniel E. Davis, Jr., Memorial Scholarship Fund, in memory of their son, ex Class of 1944, who was killed in aerial warfare in the Pacific.

The income from the fund is to be granted each year, in the discretion of the Faculty, as a scholarship to some student on the basis of character, scholarship and financial need.

JONATHAN M. STEERE SCHOLARSHIP FUND

Founded Twelfth Month 28, 1948 by gift of \$2,300 from Jonathan M. Steere, Class of 1890. Classified among the Scholarship Funds and included in Consolidated Investment Account.

The donor's provisions governing the use of the fund are as follows: "With this stock, or its proceeds, I wish to establish a fund for a scholarship primarily for a graduate of Moses Brown School, Providence, R. I., now under the care of New England Yearly Meeting of Friends. Should the scholarship not be awarded in any one year to a graduate of Moses Brown School, it may be awarded to someone else, preferably from New England, in the discretion of the College. If advisable, it may be given to more than one boy in any year. My preference is that it be awarded to a member of the Society of Friends, but I do not so restrict it. Should the time come when, for any reason, scholarships may not be needed or desirable, having full confidence in the Management of the College, I wish that both the principal and the income be used as the College in its sole discretion shall determine.

"I suggest that at the College it be known as the 'Moses Brown School Scholarship', and at the School as the 'Haverford Scholarship'." A further gift of \$4,985.00 was made in 1949-50. Present book value, \$7,285.00.

WILLIAM GRAHAM TYLER MEMORIAL SCHOLARSHIP FUND

Founded Tenth Month 1949 by gift of \$15,000 from Miss Mary Graham Tyler in memory of her father, William Graham Tyler, Class of 1858. Formerly of Philadelphia, William Graham Tyler took an active part in civic improvement in New Jersey and in Iowa, and was concerned with the advancement of Friends Education at both William Penn College and Haverford College.

The income from the fund is to be granted each year, in the discretion of the College, as scholarship aid to some student or students on the basis of character, scholarship, and financial need. Preference is to be given to students from Oskaloosa, Iowa, or William Penn College in that state.

1890 MEMORIAL SCHOLARSHIP FUND

Founded in March 1950 by a gift of \$2500 from Andrew L. Lewis of Worcester, Pennsylvania, in memory of his father, John F. T. Lewis, of Class of 1890, "and in recognition of his father's friendship with the members of his class."

The income from this fund is to be awarded as a scholarship by the College to a deserving student. Since in the beginning the income from this fund will not be large enough to furnish an entire scholarship, it may be used in conjunction with some other scholarship to insure aid of material size.

FUNDS FOR THE LIBRARY

ALUMNI LIBRARY FUND

Founded in 1863 by contributions from the alumni and other friends of the College. In 1909 the unexpended balance (about \$5,000) of a fund of \$10,000 raised in 1892, and known as the "New Library Fund," was merged into the Alumni Library Fund. Present book value, \$17,435.06. The income is used for binding and miscellaneous expenses of the Library.

MARY FARNUM BROWN LIBRARY FUND

Founded in 1892 by gift of \$20,000 from T. Wistar Brown, executor of the Estate of Mary Farnum Brown. Additions were made by T. Wistar Brown in 1894, \$10,000 for a lecture fund, and in 1913, \$20,000. In 1916, after T. Wistar Brown's death, there was added to this fund \$34,499.78 par value of securities, book value, \$30,149.78, being a trust which he had created for this purpose in 1908 and to which he had made additions in subsequent years. Present book value, \$67,854.09. The purpose of this fund (except \$10,000) is for the increase and extension of the Library. The income only is to be used for the purchase of books, and one-fifth of same is to be spent for books promoting the increase of Christian knowledge. The books purchased with the income of this fund are marked by a special book-plate. The income of \$10,000 of the fund is to provide for an annual course of lectures upon Biblical subjects designated "The Haverford Library Lectures." Unused income from the fund, if any, must be capitalized at the end of each fiscal year.

WILLIAM H. JENKS LIBRARY FUND

Founded in 1910 by gift of \$5,000 from Hannah M. Jenks, widow of William H. Jenks. The fund was first known as "Special Library Fund," but after the death of Hannah M. Jenks was changed, in 1916, to "William H. Jenks Library Fund." The purpose of this fund is that the income shall be used for the care of the collection of Friends' books made by William H. Jenks and given by his widow to Haverford College, and to make appropriate additions thereto. Any income not used for these purposes may be used toward the general needs of the Library. Present book value, \$5,000.00.

MARY WISTAR BROWN WILLIAMS LIBRARY FUND

Founded in 1914 by gift of \$20,000 from Parker S. Williams, '94, as a memorial to his late wife, Mary Wistar Brown Williams. The income only is to be used for the purchase of books for the Library, preferably books coming within the classes of history, poetry, art, and English and French literature. The books purchased with the income of this fund are marked by a special book-plate.

ANNA YARNALL FUND

Founded in 1916 by residuary bequest of \$13,000 par value of securities with book value of \$7,110, and one-half interest in suburban real estate from Anna Yarnall. Additional amount under bequest was received in 1918. Present book value, \$173,078.14. The real estate was sold in 1923 and netted the College \$164,820.50. The bequest was made for the general use of the Library. The Testatrix says, "I do not wish to restrict the managers as to the particular application of this fund, but desire them to use the income arising from it as in their best judgment and discretion shall seem best, for the purchase of books and manuscripts, book cases, rebinding of books, and, if need be, the principal or portions thereof, or the income or portions thereof, for additions to the pres-

ent Library building, or the erection of new Library buildings. I direct that all books purchased with this fund shall be plainly marked 'Charles Yarnall Memorial' in memory of my father, Charles Yarnall."

F. B. GUMMERE LIBRARY FUND

Founded in 1920 by gift of \$635.41, raised among the students by the Students, Association of the College as a memorial to Professor Francis Barton Gummere. The income only is to be used to buy for the Haverford College Library books on the subjects that he taught or was interested in.

The student's Association voted to raise twenty-five dollars for a special shelf in the Library to be known as the "F. B. Gummere Memorial Shelf." This shelf, with its proper inscription, holds the books purchased by this fund. Present book value, \$635.47.

EDMUND MORRIS FERGUSSON, JR., CLASS OF 1920 MEMORIAL FUND

Founded in 1920 by memorial gift of \$1,000 from the family of Edmund Morris Fergusson, Jr., Class of 1920, who died at the College in his Senior year. The income only is to be used for the maintenance and increase of the Library's Department of English and American Literature. The books purchased with the income of this fund are marked by a special book-plate indicating its source. Present book value, \$1,002.34.

CLASS OF 1888 LIBRARY FUND

Founded Sixth Month 15, 1938, by gifts totaling \$5,250 from members and families of the Class of 1888, on the occasion of their fiftieth anniversary. The conditions of the gift are as follows:

- (1) A fund is to be established, to be known as "THE CLASS OF 1888 LIBRARY FUND."
- (2) The income only of this fund is to be used exclusively for the purchase of books for the Haverford College Library, except as noted below (in Clause 6).
- (3) The fund established now will be added to later by gift or bequest.
- (4) Members of the Class also expect to donate books to the Library, with the understanding that when such books are duplicates of books already in the Library, they may be exchanged for books needed, or sold, and the money so obtained used in the same way as the income of the fund.
- (5) All books purchased by the income of the fund (or obtained as in 4) are to be provided with a special book-plate to be furnished by the Class.
- (6) Income from the Class Fund or moneys obtained by sale of duplicate books may, when necessary, be used for binding or repair of books designated as belonging to the Class collection. Additional donations were made as follows: \$500 in 1939-40; \$100 in 1943-44; \$500 in 1944-45 and \$200 in 1945-46. Present book value, \$6,550.00.

CLASS OF 1918 LIBRARY FUND

Founded Third Month 24, 1938 by gift from the Class of 1918 in commemoration of their twentieth anniversary. The gift was \$1,753.52 of which \$500 was spent for a portrait of the late Rayner W. Kelsey, Professor of History, who died Tenth Month 29, 1934; and the balance of \$1,253.52 was used in establishing a new Library Fund, the income to be used for books. Present book value, \$1,253.52.

QUAKERIANA FUND

Founded 1st Month 8, 1947, by gift of \$600 from President Emeritus William Wistar Comfort '94, as explained in letter from him as follows: "In 1940 some Alumni gave me a sum of money to buy books for myself. This I have done, and now there remains \$600 which I wish to make over to the Corporation, the interest of which may provide books or manuscripts for the Quaker collections. As a compliment to the donors of the fund, I should like the enclosed bookplate to be inserted in such future purchases."

MOHONK FUND FOR THE RUFUS JONES COLLECTION OF MYSTICISM

Founded Third Month 21, 1949 by gifts totaling \$1,500 from members of the Albert K. Smiley family of Mohonk Lake, N. Y.

The gift was made "to make possible additions to the Rufus Jones Collection on Mysticism in the College Library," with the further provision that "it may be used at the discretion of Haverford College, if the purpose for which it is intended should no longer be applicable or desirable."

The fund is classified among Library Funds, and is included in Consolidated Investment Account. Book value, \$1,500.

RUFUS M. JONES BOOK FUND

Founded Seventh Month 11, 1949 from bequest of \$5,000 through a deed of Trust established by Rufus M. Jones during his life, "the income only to be used—for the purchase of books on Mysticism, to be added to the Collection of books on that subject," which he turned over to the College a few years before his death.

The fund is designated as the Rufus M. Jones Book Fund, is classified among Library Funds, and is included in Consolidated Investment Account. Book value, \$5,000.

FUNDS FOR PENSIONS

PRESIDENT SHARPLESS FUND

Founded in 1907 by contributions from interested friends of the College, finally amounting to \$40,000. Present book value, \$41,237.08. The income is to be used for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

WILLIAM P. HENSZEY FUND

Founded in 1908 by gift of \$10,000 from William P. Henszey, donated in connection with the raising of the President Sharpless Fund, but kept as a separate fund, increased in 1909 by legacy of \$25,000 from William P. Henszey. Present book value, \$36,758.66. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

JACOB P. JONES BENEFIT FUND

Founded in 1909 and increased in 1910 by proceeds of land sold for account of Jacob P. Jones legacy. Present book value, \$68,113.78. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

PLINY EARLE CHASE MEMORIAL FUND

Founded in 1909 by transfer to the College of a fund raised in 1887 in memory of Professor Pliny Earle Chase, and amounting to par value of \$4,173.04. The income of this fund is used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. This income is transferred annually to the Haverford College Pension Fund, for old style pensions, or, if not needed for pensions, is capitalized in said fund. Present book value, \$3,272.24.

HAVERFORD COLLEGE PENSION FUND

Founded in 1920 and added to since, being accumulations of income from the President Sharpless Fund, the William P. Henszey Fund, the Jacob P. Jones Benefit Fund and the Pliny Earle Chase Memorial Fund, not needed for pensions. Present book value, \$112,040.73. The income from this fund, together with the income from the four above-mentioned funds, is used for old style pensions. Income not needed for pensions was capitalized until 1932; then any unused income was used toward the College's share in cost of new contributory pensions with the Teachers' Annuity and Insurance Association. Now the old style pensions call for more than the income of all these Pension Funds. When the proper time comes in an actuarial sense, the principal of this fund can be used as well as the income for the old style pensions until they cease.

FUNDS FOR SPECIAL PURPOSES

THOMAS SHIPLEY FUND

Founded in 1904 by gift of \$5,000 from the late Samuel R. Shipley as a memorial to his father, Thomas Shipley. Present book value, \$5,248.00. The income only to be used for lectures on English Literature at the College. In case of actual need, at the discretion of the President of the College, the income can be used for general expenditures.

ELLISTON P. MORRIS FUND

Founded in 1906 by gift of \$1,000 from Elliston P. Morris, '48. The income is to be used as a prize for essays to be written by students on the subject of Arbitration and Peace. "The Elliston P. Morris Prize" of \$40 is given in each year, the competition being open to all undergraduates and to graduates of not more than three years' standing.

In 1929, it was determined, with the consent of the family of Elliston P. Morris, that when the prize is not awarded the income may be used for the purchase of library books on arbitration and peace. Present book value, \$1,126.75.

JOHN B. GARRETT READING PRIZE FUND

Founded in 1908 by a gift of \$2,000 par value of bonds by the late John B. Garrett, '54. It was the purpose of the donor to ensure the permanence of a prize or prizes for Systematic Reading, which he had given for a number of years. The prizes were not awarded from 1922 to 1939 on account of default of the bonds. Reorganization has resulted in 1939 in sufficient recovery of value to provide again for this prize. Present book value, \$2,247.87.

SPECIAL ENDOWMENT FUND

Founded in 1909 by gift of \$12,000 par value of bonds, book value \$11,800, from an anonymous donor. The income only of this fund to be used "to furnish opportunity for study of social and economic and religious conditions and duties connected therewith, especially from a Christian point of view." The income is used toward the expenses of Summer Schools for Religious Study, which have been held at Haverford and Swarthmore Colleges from time to time, and also for religious education under Friends' care.

On Fifth Month 16, 1930, the Managers adopted the following amendment, made at the suggestion of the donor, now revealed to be John Thompson Emlen, 1900: "If, however, it shall in the course of time be deemed advisable by the President and the Managers that the income of this fund can be used more profitably by the College for other purposes than those herewith stated, it is my desire that they shall act in accordance with their judgment." Present book value, \$9,227.07.

SCHOLARSHIP IMPROVEMENT PRIZE FUND

Founded in 1913 by gift of \$2,000 par value of bonds, book value, \$1,200, from John L. Scull, '05. Present book value, \$2,296.88. The income only to be used to establish two prizes of \$50 and \$45 annually to the two students in the graduating class showing the most marked and steady improvement in scholarship during their college course.

ELIZABETH P. SMITH FUND

Founded in 1915 by bequest of \$1,000 from Elizabeth P. Smith. Present book value, \$1,727.00. The income only to be used as a prize for the best essays on Peace written by students of the College.

S. P. LIPPINCOTT HISTORY PRIZE FUND

Founded in 1917 by gift of \$2,500 par value of bonds, book value, \$2,546.88, from beneficiary of the estate of S. P. Lippincott, '86. The income only to be used as an annual history prize, which is designated "The S. P. Lippincott History Prize." The award is to be made on the basis of a competitive essay. In any year when no award is made, the income is to be used for the purchase of library books in the field of the unawarded prize. Present book value, \$2,546.88.

FRANCIS STOKES FUND

Founded in 1919 by gift of \$5,000 in securities, book value, \$5,000, from Francis J. Stokes, '94, in memory of his father, Francis Stokes, of the Class of 1852, and a Manager of Haverford from 1885 until his death in 1916. The income is to be used for extending the planting of trees and shrubs on the College grounds. The wish is expressed, but not as a binding condition of the gift, that the Campus Club should have the direction of the expenditure of this income. Present book value, \$5,120.30.

GEORGE PEIRCE PRIZE FUND

Founded in 1919 by gift of \$600, and increased in 1920 by further gift of \$400 from Harold and Charlotte C. Peirce in memory of their deceased son, George Peirce, '03. Present book value, \$2,571.04. The income only is to be used for a prize, to be called the George Peirce Prize in Chemistry or Mathematics, to the student who, in the opinion of the Faculty, has shown marked proficiency in either or in both of these studies and who wishes to follow a profession which calls for such preparation. Unused income is capitalized, as requested by the founders of the fund. Present book value, \$2,828.92.

LYMAN BEECHER HALL PRIZE FUND

Founded in 1924 by donation of securities of par value, \$2,000, book value, \$1,820, from the Class of 1898 in commemoration of their 25th anniversary of graduation to establish an annual prize of \$100 in Chemistry in honor of Doctor Lyman Beecher Hall, Professor of Chemistry at Haverford College from 1880 to 1917. Present book value, \$2,155.00.

NEWTON PRIZE FUND

Founded in 1925 by donation of five shares of General Electric Co. stock by A. Edward Newton, par value, \$500, and book value, \$1,348.25. The income only is to be used for "The Newton Prize in English Literature to the undergraduate who shall submit the best essay on some subject connected with English literature." In 1930, the award was changed to be on the basis of Final Honors, and in any year when no award is made the income is to be used for the purchase of library books in the field of the unawarded prize. Present book value, \$1,397.75.

EDWARD B. CONKLIN ATHLETIC FUND

Founded in 1925 and added to in 1926, 1927 and 1929 by Frank H. Conklin, '95, in memory of his brother, Edward B. Conklin, '99. Present book value, \$2,400.00. The income is to be used without restriction in any branch of athletics.

ARBORETUM FUND

Founded in 1928 by setting aside \$5,000 from proceeds from sale of 5.811 acres of land on the southern boundary and southeast corner of the College farm. Until otherwise ordered by the Managers, the fund is to be invested and

the income only is to be used under the direction of the Campus Club for trees and shrubs upon the College grounds, or for their care, or for other similar purposes. Present book value, \$4,587.75.

WILLIAM ELLIS SCULL PRIZE FUND

Founded in 1929 by William Ellis Scull, '83, by a gift of \$2,000. The income is to be used annually, so long as the Managers may judge expedient, as a prize to be awarded at Commencement by the Faculty to that upper classman who in their judgment shall have shown the greatest improvement in voice and the articulation of the English Language. The prize is to be known as "The William Ellis Scull Prize." Present book value, \$2,000.00.

C. WHARTON STORK ART FUND

In First Month, 1930, C. Wharton Stork, of Class of 1902, donated to the Corporation securities of a then value of \$69,000 on account of a contemplated gift for the purpose of erecting, equipping, and furnishing an Art Museum at the College. Purchases were made by C. Wharton Stork of paintings, which are hung in the Library. This fund is to be liquidated and is not included in the total of the funds.

PAUL D. I. MAIER FUND

Founded Tenth Month 7, 1936, by bequest of \$1,000 from Paul D. I. Maier, '96, of Bryn Mawr, Pa. The bequest provides for the continuance of the Class of 1896 Prizes of \$10 each in Latin and Mathematics, and any balance of income is to be used for general purposes. Present book value, \$1,000.00.

STRAWBRIDGE OBSERVATORY MAINTENANCE FUND

Founded Second Month 13, 1937, from donations of \$5,627.37 from members of the Strawbridge family, being the amount in excess of the actual cost of the rebuilding and reequipment of the William J. Strawbridge, '94. Memorial Astronomical Observatory. The income is used for the maintenance and equipment of the observatory. The principal can be used for additional equipment, if so determined by the Board of Managers. In 1938 and 1939 an astrographic camera was so purchased at a cost of \$1,787.83. Present book value, \$3,839.54.

JACOB AND ENGENIE BUCKY MEMORIAL FOUNDATION

Founded Sixth Month 4, 1942 by gift of \$2,000.00 from Colonial Trust Company of New York and Solomon L. Fridenberg of Philadelphia, co-trustees under the will of Eugenie Bucky, deceased (late of New York), the income only to be used. At the same time accumulated income of \$2,000.00 was also donated as Bucky Foundation Gift, this amount to be available for use for the same purposes as the income of the Foundation. Extracts from Mrs. Bucky's will and codicils in reference to the purposes of the Bucky Foundation are here made as follows:

"The purpose or object of such a Foundation or Fund is and shall be for the encouragement of them who seek new truths, and who endeavor to free and clear from mystery and confusion our knowledge concerning God¹; and thereby to enforce more effectively the common laws of mutual love and obligation, peace and goodwill, between and among our several creeds, races, nations, and markets.²

"My aim, intention, purpose and object is to help in promoting piety among men, enlightening their ignorance and bettering their condition, by making more and more extensive and by spreading among the public at large not only the preaching but also the practicing of the words of the . . . American motto 'In

God We Trust,' and of the . . . Preamble to the Constitution for the United States of America. I believe and therefore I aim, intend and purpose that the uplifting of men, women and children to the standard of life taught in the Scriptures and the Constitution for the United States of America is indeed the work of Charity, dispels ignorance, inculcates generous and patriotic sentiments, and fits the public groups and the individual men or women for their good usefulness in the American Commonwealth."

1. Associated with the American motto "In God We Trust."

2. Associated with the Preamble of the Constitution for the United States of America—"to form a more perfect union, establish justice, insure domestic tranquility, provide the common defense, promote the public welfare, and secure the blessings of liberty to ourselves and our posterity."

In 1945-1946, a further gift of \$1,000 from the Trustees was added to the fund. Unused income, if any, has also been capitalized. Present book value, \$4,306.11.

MATHEMATICS DEPARTMENT PRIZE FUND

Founded May 20, 1943 from gifts totaling \$900.00 of members of the Mathematics faculty and others. A further gift of \$125 was made in 1943-44. The unused income is added to principal. This capitalized the annual prizes that had been given by the Mathematics professors for many years.

The Mathematics Department Prizes for freshmen, \$25.00, are awarded annually, in competition, by examination. Present book value, \$1,238.83.

WILLIAM T. ELKINTON FUND

Founded Ninth Month 6, 1944, by bequest from William T. Elkinton, of Philadelphia, arising from a Trust set up by him during his lifetime. The principal was \$2,491.50 and income received, \$11.11, a total of \$2,502.61. After the death of a life beneficiary, the Trust provided: "to pay over, assign and transfer one of said equal parts unto the Corporation of Haverford College (a corporation of the State of Pennsylvania); the principal fund thus passing to said Corporation to constitute a part of such endowment as may be established at Haverford College as a fitting memorial of Friends' relief work abroad, which memorial 'should foster the peaceful relations of the United States with foreign countries by acquainting our youth with the principles of European governments and with international problems'; provided however, that if no such Endowment should be established at Haverford College prior to the expiration of one year after the principal of the Fund hereby conveyed becomes distributable under the provisions of this deed, the said one-third part of the fund hereby conveyed shall be devoted by the Corporation of Haverford College for such other purpose as the Trustees acting hereunder, their survivor or successor, shall designate, preferably for the furtherance of education in some form at Haverford College or for providing assistance in the form of scholarships to promote education."

In accordance with a suggestion from President Morley, concurred in by Thomas W. Elkinton representing the Trustees, the Managers voted on Ninth Month 22, 1944, that "the income until otherwise directed, is to be used for traveling and other expenses in the attendance at intercollegiate conferences for discussion of international problems by representatives of the International Relations Club at Haverford." The Trustee further stated "as long as the activities of the Club are closely related to 'acquainting our youth with the principles of European governments and with international problems,' the use of the income by the Club would be satisfactory."

TILNEY MEMORIAL FUND

Founded in First Month, 1945, by gifts totaling \$2,000 by I. Sheldon Tilney, 1903, in memory of his parents, John S. and Georgiana E. Tilney. The income is to be used "to try to influence the student body towards a more religious viewpoint of life." Permission was also granted by the donor that "the income may be used also in connection with a scholarship for students in the field of Philosophy or Biblical Literature."

In 1945-1946 the fund was increased to \$5,000, by gifts of \$1,000 from Georgiana S. Kirkbride and \$2,000 from Robert W. Tilney, sister and brother of I. Sheldon Tilney. In 1948-49 a further gift of \$250 was received from I. Sheldon Tilney. In 1949-50 a further gift of \$1,000 was received from I. Sheldon Tilney. Present book value, \$6,000.

CLASS OF 1902 LATIN PRIZE FUND

Founded Second Month 2, 1945, by gift from Class of 1902 of \$142.90, being proceeds of sale of security formerly purchased and held by the Class to perpetuate a Latin Prize of \$10 annually at Haverford. The Class had donated the income for this prize since 1913. An unused balance of \$39.00 of such donations was transferred to the income account of this fund.

CLASS OF 1898 GIFT

Founded Sixth Month 12, 1948, by contributions totaling \$6,100 from members of the Class of 1898 as a 50th Anniversary Gift of their graduation. The conditions of the gift were "For a period of 25 years the income only produced by the fund is to be used to pay the expenses of lectures at the College by qualified persons on such subjects and at such times as the President of the College, with the advice of the Faculty, may think best, including at the discretion of the President, conferences between the lecturers and the students. After August 31, 1973, the income and/or principal of the fund, may, at the discretion of the Board of Managers, be used for any purpose in connection with the College."

EDMUND J. LEE MEMORIAL AWARD FUND

Founded Eighth Month 31, 1948, by donations totaling \$906.50 from members of the Class of 1943 on the occasion of their Fifth Reunion. The Class desired "to perpetuate the memory of Edmund Jennings Lee, 2nd, its sole member killed in the past war, and to stimulate in the College that spirit of service for which he was known. In 1948-1949 a further gift of \$100 was received from Miss Mildred W. Lee, sister of Edmund J. Lee.

"The proceeds from the invested fund shall be used to establish an annual award to be known as the Edmund J. Lee Memorial Award to be awarded annually beginning in 1949, to the recognized undergraduate organization which has contributed most toward the furtherance of academic pursuits, extra-curricular activities, spiritual growth, or college spirit, in individuals or in the College as a whole during the year. The Award is to be used by its recipient in continuing to render such service."

STATED MEETINGS OF THE CORPORATION
AND THE MANAGERS

The Annual Meeting of "The Corporation of Haverford College" is held in Tenth Month at such time and place as the Board of Managers may determine.

The Stated Meetings of the Managers for 1949-50 will be held on the third Sixth-day of First, Third, Fifth, Ninth and Eleventh months.

LEGACIES

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

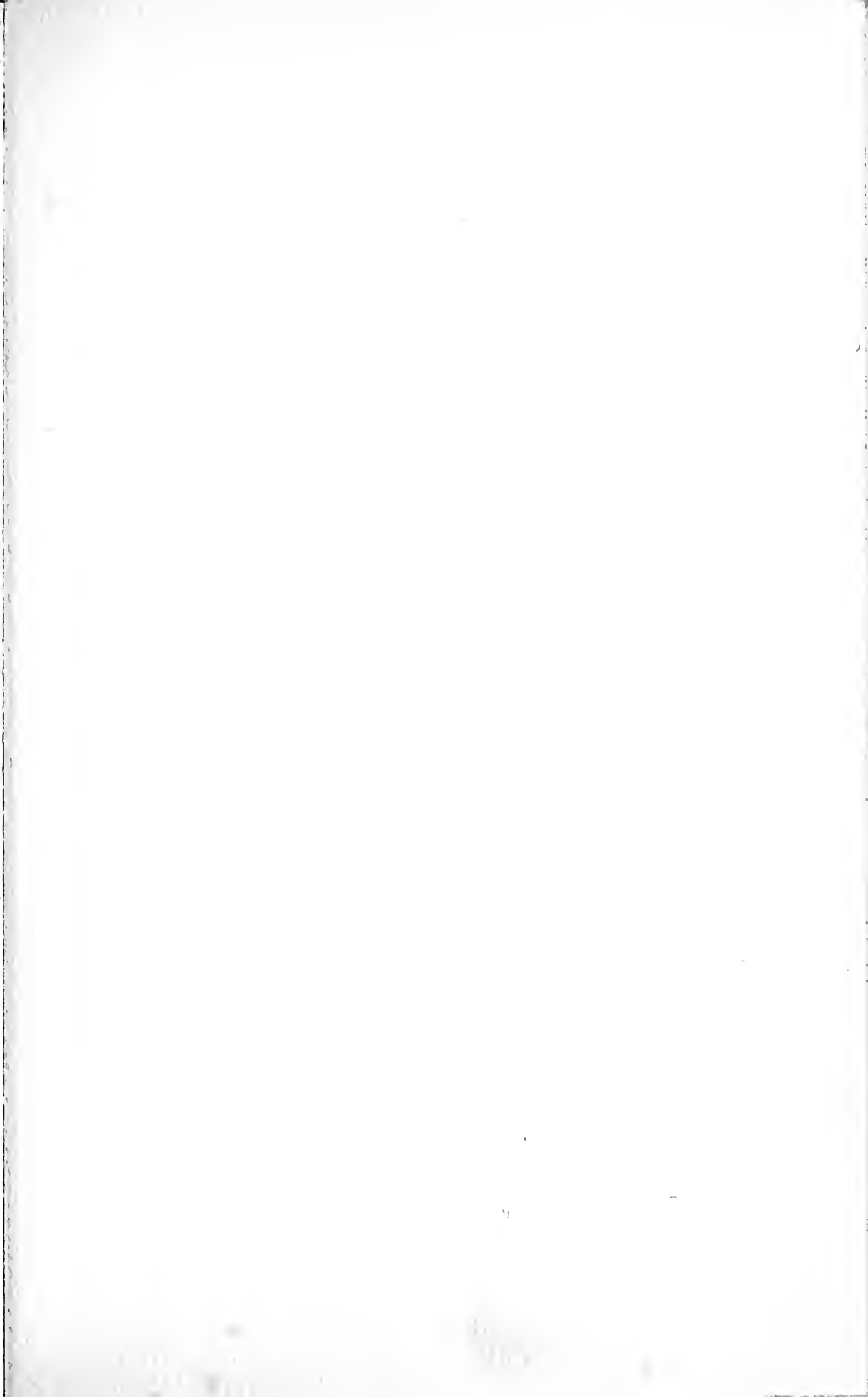
FORM OF BEQUEST OF PERSONAL PROPERTY

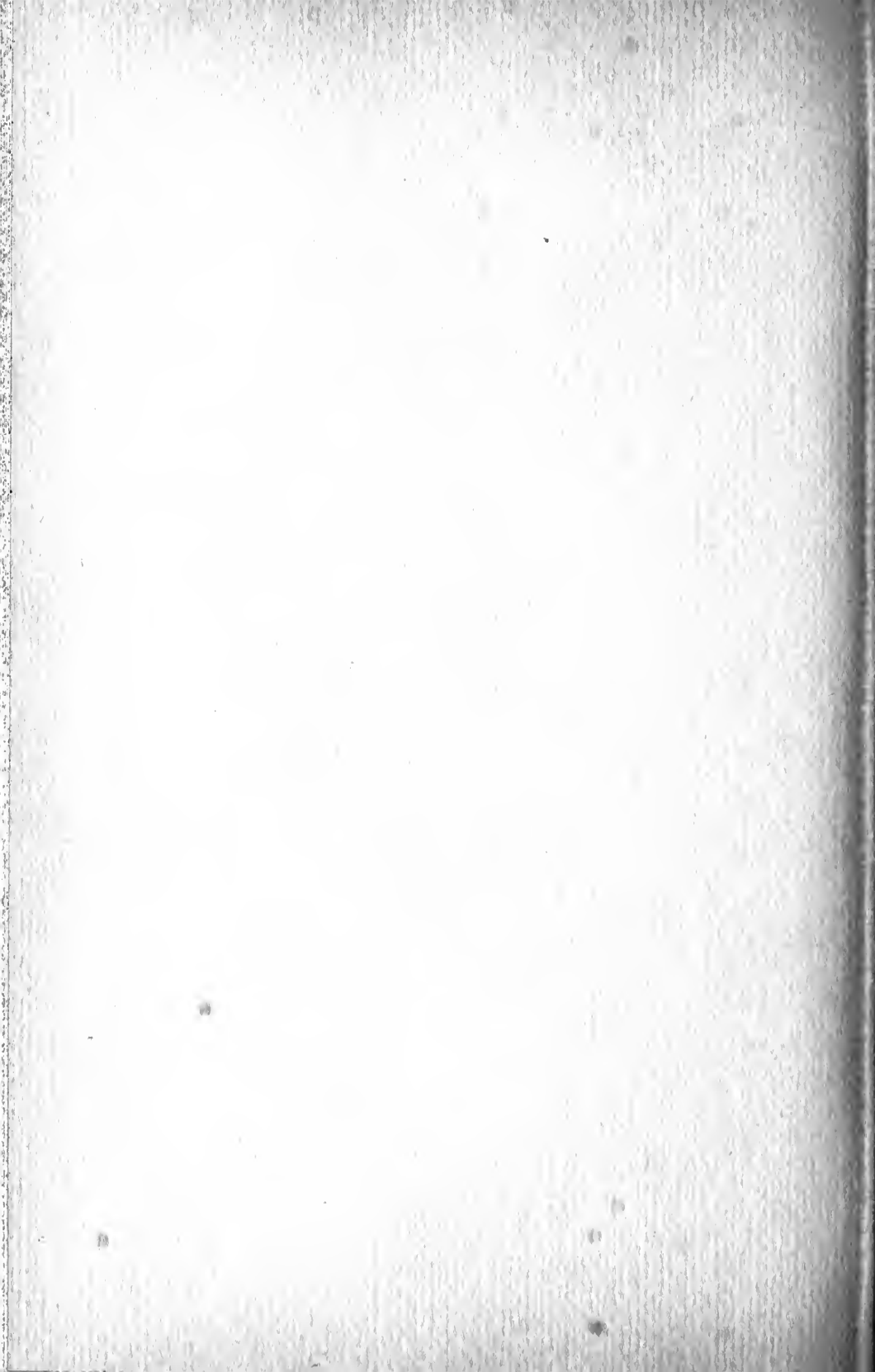
I give and bequeath, free and clear of all estate, inheritance on other similar taxes, unto the Corporation of Haverford College, the sum ofDollars.

FORM OF DEVISE OF REAL ESTATE

I give and devise, free and clear of all estate, inheritance or other similar taxes, unto The Corporation of Haverford College, its Successors and Assigns, in fee, the following described real estates: (Here describe the real estate.)







HAVERFORD COLLEGE BULLETIN



REPORT OF THE PRESIDENT

1949 - 1950

VOLUME XLIX

NUMBER FOUR

April, 1951

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REPORT OF THE PRESIDENT
presented at the
Annual Meeting of the Corporation
of Haverford College
October 17, 1950

THE growing world crisis intensifies our persistent concern for liberal arts education. It reminds us vigorously that a major need, if we are to attain world peace, is for men who combine intelligence with contagious goodwill and the habit of acting courageously upon their religious convictions. These are the qualities which Haverford as a Quaker college has sought to cultivate. These are qualities of peacemakers.

Today our nation is embarked upon a mobilization of men, armament and materials intended to make it effective in pursuing its foreign policy of promoting situations of strength. While the preponderant amount of funds and attention is devoted to building military strength, some are used to spread information and democratic methods, and to support economic reconstruction.

Viewed in ethical and educational terms the mobilization program is inevitably inconsistent. The standards of human action and the modes of human organization which will best toughen the military sinews of the nation are those which in extreme crisis subordinate means to ends, which subordinate the individual to the welfare of the state, and which train the individual to act accordingly.

At the same time it is recognized that natural science upon which our growth in destructive power is founded, and social science upon which our ability to organize the economic and social forces of the nation is founded, require freedom of thought and inquiry if they are to advance. Likewise, the successful prosecution of programs of public information and education and of economic reconstruction requires and springs from placing large reliance upon individuals and groups to work out their own solutions democratically. Thus, qualities of individual independence and imagination are to be cultivated. But the scientist, like the soldier, is not to be sensitive

as to ethical standards or the leadings of religious belief if they conflict with the program of the State. This is a dilemma which no democratic state that undertakes to use military force can resolve satisfactorily: it must seek to preserve individual freedom of action and thought, but it cannot allow that to jeopardize the goals of security or victory. Similarly, the education which the nation demands must be a constant adjustment of the needs of a garrison state to the aims and methods of free inquiry. Neither can be fully satisfied. No combination of them can be entirely harmonious with the ends which the College in the Quaker tradition has set for itself over the years.

As we complete a year of progress in our college work, and as we look forward to a year which is bound to be momentous, it may help us to take stock of the directions which we have been following in the College, and of the suitability of our equipment of people, plant and funds to move ahead so as to play a constructive role during the current emergency.

THE YEAR IN REVIEW

RECENT DEVELOPMENTS IN THE COLLEGE PROGRAM

It now is possible to report progress in several recent developments in our academic program. Most of the developments have been in the direction of placing greater emphasis upon ideas and the making of individual value judgments, rather than upon facts or techniques. In most cases we have proceeded on the principle that each course should be given as though it were the last one to be offered to the student.

The Freshman course in mathematics is a case in point. This has been reorganized by Carl Allendoerfer and Cletus Oakley so as to deal at the outset with abstractions and the essential operations of logic. It then analyzes number systems, and moves on to a consideration of statistics and probability and to other mathematical operations, some of which formerly were encountered only in advanced courses.

Much the same approach has been developed in the general course in Physical Science, under the leadership of Louis Green and William Cadbury. This course does not attempt to provide an introduction to the major fields of astronomy, chemistry and physics. It does select a few of the major problems of physical science, such as the nature of our models of the atom and the relation of the models to the actual physical reality. It deals with these intensively, giving the student an understanding of both the implications of the basic theories and of the scientific method by which they are tested.

In the field of Social Science, the members of the departments of economics, political science, and sociology have joined in offering a course, elected by most Freshmen, in which the reading and thinking centers on a few crucial problems of social policy. Assertions, such as "you can't change human nature," "men are naturally selfish and pugnacious," and "modern capitalism is the product of the individualistic ethic of the Protestant Reformation," are examined with a view to helping the student understand the evidence that is available and the process by which he may arrive at his own conclusion. Here the attempt is to aid him to think for himself, always with full recognition of the facts that are available and of the discipline involved in appraising them fairly.

In the general course in Humanities, which now begins its third year with a larger enrollment than ever before, a series of literary documents are read in their entirety, considering them from all relevant aspects and inquiring particularly into their relevance to the life of the student who is reading them. Among the books which are studied are *The Iliad*, Books of the New Testament, and *The Divine Comedy*.

In the field of Romance Language instruction there has been a similar attempt to emphasize ideas rather than accents. The whole program for teaching French has been revised over the past three years so as to concentrate during the first year upon facility in reading and upon understanding of French culture. This is continued during the second year with wide reading in French on French institutions and attitudes, so that a student by the end of his second year has a thorough reading knowledge of both literary and scientific French. If, at that time, he wishes to continue his study of the language, he is offered very intensive training in pronunciation, conversation, and composition. This means that the students who are seeking only a reading knowledge of the language acquire that knowledge along with an insight into French culture, and that those who wish to extend their facility in the language are given advanced instruction without the impediment of the less interested students.

These developments in program have been sufficiently promising to encourage us to continue them in the year ahead. Insofar as they are successful, they inevitably will have an effect upon other offerings at a higher level. For example, we find that the English Department this year is experimenting with a general course in the field of English literature along the same lines as those developed in the Humanities. An advanced course in Philosophy of Science is being offered for students who have reached

the Senior level in the science departments and wish to consider issues of philosophy, religion, and social action. It is too early to claim clear results in terms of the ability of students to deal clearly with basic issues and to see their implications in ethical and religious belief.

Other new developments on which it is premature to report are the Human Relations program, and the new program in Freshman English made possible by a grant from the Carnegie Corporation. The non-academic units continued substantially as in the preceding year.

STUDENTS

In accordance with our plan to cut down the size of the student body, the numbers of new students were reduced this Fall, giving a total enrollment of 509, of which 491 are undergraduates. This compares with an enrollment of 528 at the same time last year. The operation of the Selective Service Act removed no men from College, but did encourage a number to return to complete their education before being drafted. (See accompanying statistics.)

This year the geographical spread among the student body is even larger than in preceding years. While total numbers have diminished, the number and percentage of students who are Friends has increased.

Student organizations continued in healthy number and activity, and began to readjust themselves to a diminishing student body. Large responsibility for the management of student affairs was vested in the Students Council, which was made more representative by assuring at least one member for each dwelling unit on the campus. Other changes were the establishment of Yarnall House as a dormitory completely operated by students, and the renewal of table service in the dining hall.

Meeting for Worship was strengthened by the orientation given to Freshmen. Recognizing the difficulty of holding meetings on staggered days and for the entire student body, a smaller meeting was held concurrently in the Meeting House with students having the option of attending either meeting.

FACULTY

While the student body decreased the Faculty increased at certain points with the support of special funds. The new English program made it possible to add three members of the staff in that field: Wayne Booth as Assistant Professor of English, William Wishmeyer as Instructor in English, and

Kenneth Woodroffe as Lecturer in English. As an appointment on the Rufus Jones Fund, Clarence Pickett, Honorary Secretary of the American Friends Service Committee, was made Lecturer in Christian Ethics, and arrangement was made for the Picketts to build their new home on a site adjoining Yarnall House along the Meeting House walk.

During the past year Abe Pepinsky was on sabbatic leave to carry on psychological research, and Alfred Swan was on leave during the second semester to travel and undertake musicological studies in Italy. Sabbatic leave for the current year has been granted to William E. Cadbury, Jr., Howard Comfort, Thomas E. Drake, Laurence W. Wylie, and Douglas V. Steere. Their replacements for the year include William Ernest Hocking as Visiting Professor of Philosophy on the Rufus Jones Fund, Edmund Bronner as Instructor in History, and Madelyn Gutwirth as Instructor in Romance Languages.

After long and careful examination of the problems of academic freedom and tenure in cooperation with the Faculty, the Board of Managers approved a statement on this subject which codified much of our current practice. While the statement did not make any marked innovations in Haverford's position in these matters, it did formalize the policy pursued by Board and Administration, and it clarified a few points, notably in defining the beginning of tenure for Faculty members below the rank of full professor.

PLANT

With the opening of Yarnall House, the crowding in other college dormitories was reduced somewhat, but it still is unsatisfactory and can be corrected in time only by adding another dormitory unit. The retirement of Merion Hall and Merion Annex from student use becomes more desirable as commercial occupancy spreads along the Lancaster Pike, making the College grounds more and more of a refreshing open space in the surrounding built-up area.

With the aid of the Leeds Fund a new seminar room was outfitted for student use in Sharpless Hall, and the laboratory equipment for the basic work in physics was renovated and improved.

THE HAVERFORD CAMPAIGN

It was a little more than two years ago that Haverford opened an office which would devote its time and energies to public relations and development. It then was clear that the time was ripe for the College to examine its longer term and immediate needs and share the facts with its constituency.

This decision was based upon a number of factors which subsequent events and trends have thoroughly vindicated.

1. Haverford looked forward to a period of growth and service in line with its best traditions and past performance.
2. While the primary concern of the College should continue to center in each generation of students who choose to come to Haverford, the College should seek ways and means of extending its influence into the larger community of which it is a part.
3. To implement the Haverford purpose and program called for an enlarging conception of the financial resources required.
4. A financial program adequate to meet the needs seemed to include the following:
 - a. Bringing to a quick and successful conclusion the campaign for \$1,250,000 needed to meet the most urgent needs for (1) Faculty salaries, (2) scholarships, and (3) books.
 - b. After the completion of the Haverford Campaign, re-establishing, as soon as practicable, the Alumni Annual Giving Fund. This should be thought of as a "Living Endowment", and should produce an annual income equal to the earnings on from \$1,000,000 to \$2,000,000 of regular endowment.
 - c. Undertaking steps looking toward the meeting of the long-term needs of the College as set forth in "A Time for Decision". In the light of the experience growing out of the Haverford Campaign and trends in the national economy, each item in that long-term program should be re-examined and, where necessary, revised.
 - d. In harmony with the purpose and objectives of the College, developing additional specific projects and seeking gifts to finance those projects.

The first step in our financial program now happily is nearing completion. While it already has added one million dollars to our endowment, it has also added substantially to public understanding of the College's purpose.

Understanding of this goal makes of giving a partnership, and an expression of personal initiative. Without such a philosophy of giving we

should take a dim view of Haverford's future. With such a philosophy, as it has been strengthened among Haverford's friends, the College can move forward with confidence.

THE FUTURE

In the light of these facts as to the intellectual, physical, and financial condition of the College we can feel relatively mobile and strong in dealing with new issues presented by the war emergency. We have a more effective student body and a stronger Faculty. Our finances and our physical plant have improved. Our academic program increasingly stresses the intellectual element in individual judgments, and other features of the program stimulate individual expression and religious experience as a foundation for such judgments.

Whatever the specific role that Haverford may play in the years immediately ahead, I venture to suggest that it must be in harmony with this development. Our first order of business is the offering of truly liberal education in the Quaker tradition. That implies that we will earnestly cultivate those means which will nourish and strengthen the forces of peace.

GILBERT F. WHITE

STATISTICS FOR REPORT OF THE PRESIDENT

1949-1950

ENROLLMENT

Fall Semester, 1946	492
Spring Semester, 1947	503
Fall Semester, 1947	552
Spring Semester, 1948	534
Fall Semester, 1948	556
Spring Semester, 1949	526
Fall Semester, 1949	528
Spring Semester, 1950	505
Fall Semester, 1950	509*
*Undergraduate students.....	491
Graduate and Special students.....	18

COMPOSITION OF THE STUDENT BODY, FALL SEMESTER, 1950

The student body represents 33 states. In addition, Honolulu and the following foreign countries are represented: Bermuda, British West Indies, England, Germany, Italy, Ireland, India, Nigeria, Poland, Sweden and Yugoslavia.

Students who are members of the Society of Friends number 76, or 14.9 percent of the total.

REGISTRATION IN ACADEMIC COURSES

<i>Department</i>	<i>Registrations*</i>								
	1950	1949	1948	1947	1946	1945	1944	1943	1942
Astronomy	23	19	16	18	12	1	0	1	15
Biblical Literature	42	37	65	36	33	1	12	3	12
Biology	36	64	48	56	93	61	32	46	66
Chemistry	177	162	187	232	193	79	54	78	228
Economics	139	169	212	226	115	30	22	27	124
Engineering	37	50	44	39	43	17	15	25	95
English	411	412	414	353	423	151	101	77	195
French	94	99	86	120	107	43	26	25	36
German	96	125	129	157	140	56	59	52	117
Greek	31	25	34	46	30	2	7	6	24
History	137	166	242	177	208	94	60	45	98
Latin	5	6	3	15	12	8	4	5	30
Mathematics	152	207	176	184	198	68	50	59	162
Music	19	13	11	11	25	7	14	5	31
Philosophy	218	235	213	284	181	56)	37	35	86
Psychology	137	108	174	93	97	27)	0	0	0
Physics	77	57	98	76	73	34	35	58	120
Political Science	138	178	180	216	148	31	36	34	94
Russian	6	9	12	8	8	0	0	0	0
Sociology	49	95	107	108	153	42	14	28	43
Spanish	58	57	70	100	84	22	20	21	65
<i>General Courses</i>									
Biological Science	65	56	57	63	0	0	0	0	0
Humanities	80	35	41	19	4	6	0	0	0
Physical Science	35	51	36	52	0	0	0	0	0
Social Science	149	114	52	0	0	0	0	0	0

*Statistics show the registrations for the Fall Semester of each year.

HAVERFORD STUDENTS AT BRYN MAWR

Biology	1
Chemistry	1
Economics	2
English	9
French	2
Geology	20
German	1
History	8
History of Art	16**
Italian	1
Latin	1
Mathematics	1
Music	13
Philosophy	6
Physics	1
Political Science	1
Psychology	3

***This figure includes 15 registrations in the introductory course which is given at Haverford.*

HAVERFORD STUDENTS at the UNIVERSITY OF PENNSYLVANIA

Music	1
Semitics	2
Russian	1
Zoology	1

SWARTHMORE COLLEGE

Chemistry	1
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DEGREES GRANTED, JUNE 10, 1950

A. B.	140
S. B.	14
A. M.	3

REPORT OF THE LIBRARIAN

1949-1950

Henry M. Wriston, president of Brown University, has said, "Aside from the faculty, the most important single instrument in the college is its library". If this is true and we believe it is, then great credit for a good college library must be due to an excellent faculty and a carefully selected and efficient library staff and cooperation between the two. Every effort has been made to realize this ideal. During the past year the work of the library has progressed smoothly and has been kept as nearly up-to-date as possible with a rather small staff, where we especially feel the need for more trained help in the cataloging department. Certain tasks such as the cataloging of Quaker books and pamphlets and an inventory of the library which should be taken every year have had to be neglected to a large degree. That is, a *few* Quaker books have been cataloged and a small portion of the needed inventory taken. The latter fact means that when a book cannot be found, more time is spent searching for it than should be necessary. This cuts into much needed time for other work. Then there is the matter of following up the inventory by the replacement or discarding of lost books, for which there has been very little time in recent years. There are also certain other tasks which have had to be neglected and for which I see no extra time in the immediate future. One of these is the reclassification of our collection of medieval and modern Latin literature according to the Library of Congress Classification. We should also like to be able to revise our card catalog by typing the old handwritten cards and removing the word "stack" which is meaningless now and is often confusing to new borrowers — such as each year a Freshman class of over a hundred. There is also the need of arranging for space enough in the fifth floor to allow us to keep long sets and some other infrequently used books up there. This is made necessary by crowded conditions in certain sections; at present, in European history, especially in wartime history, and in the philosophy and religion section. In addition to the items, or rather, projects above, there have been two or three requests from the special libraries on campus that changes be made which would involve considerable time and work. Unfortunately we have been able merely to say that we would keep these tasks in mind.

At the end of the time which this report covers, John A. Lester, Jr., was appointed Librarian and is heartily welcomed by the staff. During his service as Chairman of the Library Committee, Mr. Lester gave considerable

aid to the library. For one thing he organized and carried out the selling to students and faculty of duplicates and other books not needed in our regular collection, to the extent that \$264.70 was added to our funds. The students seemed to appreciate the privilege of thus adding a few good books to their personal libraries. In this connection a statement by N. Orwin Rush, Librarian of the University of Wyoming, is apt. He says, "One of the most lasting and satisfactory gifts a university can give its students is an eagerness for the companionship of books". Mr. Lester was also instrumental in selling the remainder of the Gustav Baur books, originally purchased for the library in 1889. Members of the faculty had looked them over and we had put the ones we needed into our collection and given others away, until only very specialized books remained, such as those in the Hebrew, Persian and Arabic languages, also historical and religious books in German. This sale brought in \$450.00. Some books were sold from the Chemistry Library, the proceeds from which are to be used for the purchase of microcards of complete sets and a reader.

When speaking of the sale of books, we should also mention the fact that a few books were presented to other libraries. A small collection of books was given to Mr. Sundberg for a school near Stockholm, Sweden, which was founded by his father. Mr. Sundberg was spending a year at Pendle Hill. A few books were also given to Keble College, England, through the efforts of Robert Arthur, who is doing a year of graduate work at Haverford.

The Library has carried on its part in the work on the Russian program, made possible by a grant from the Carnegie corporation. By obtaining the help of Mrs. Ralph during her vacation, we were able to clear up most of the remaining work of incorporating Swarthmore's and Bryn Mawr's Russian cards into our catalog.

Speaking of the catalog, the need for an addition to it is evident. This is not a simple matter of ordering an additional case or two. To maintain the simple beauty of the catalog room, a special unit will have to be built, unfortunately at this time at a higher price than for the one installed when the addition to the Library was built in 1941. This should be done within a year.

In addition to the regular work of the library, over 3000 cards were sent to the Union Library Catalogue of Philadelphia. We are also checking the new edition of the Union List of Serials. Though these two processes will bring us ever increasing work in the future, in the way of Interlibrary

Loans, we are glad to contribute our share in making library resources available.

STUDENT AID

We have been on the whole extremely fortunate in the quality of student aid during the past year. Whether it was the punctuality of students who opened the library at eight o'clock every morning except Sunday, the willingness and understanding with which they met the work in the reserve book room and at the main circulation desk, the reliability of those taking charge in the evening, which assured the staff that there would be order and not confusion when the next day began, or the industry and accuracy of those doing the daily and sometimes dull job of shelving, or again the reliability of those taking books to the five special libraries on the campus and keeping them in order — all of these contributed to successful operation of the library. There are special jobs in the staff room such as alphabetizing, filing cards in the catalog and shelf-list file, checking new gifts in the catalog, plating books, drawing cards from the catalog so that new volumes may be added, etc., which can be and are usually done by students, but there are some times, occasionally two or three weeks before examinations, when it has been impossible to get the help needed. We do not want library work to interfere with regular college work but we always hope that by dint of good management in outlay of time, a few students will be able to manage both types of work.

As to the amount paid for student service, I find in a recent study of college and university libraries that Haverford's rates are median. They are about what the majority of libraries pay. We have always had some hours when student aides may study part of the time — perhaps half the time or more. For such combination periods, the library pays a little less than for a *working* hour, for which the rate is established by the college at \$.60. During the past year Haverford has had to raise the rate for certain busy hours in the reserve room. This is a healthy sign since it shows that reserve books are in great demand.

There is one aspect of student service which never fails to startle us when it occurs. As a rule the students who are doing satisfactory work keep their jobs from year to year, but lately several students whom we have counted on and have needed badly have had to stop working, temporarily at least, because they have reached the \$500. limit that a dependent may earn and still keep his dependent status. At such times there is regret on both sides combined with hope for the new year.

RESERVE BOOK ROOM

It was with relief and thankfulness that we heard that the present reserve system was to be continued. Having a little more control over the books as in a separate reserve book room means that all the students can be served fairly and that a few cannot hamper the many by keeping important books for long periods at a time when they are crucially needed by a whole class. A few professors prefer to use the open shelves in the stack and rely on guiding the reading done by students. This method I think might be successful with industrious and talented students but there might also be some who would not make the effort involved in tracing down and reading good books not definitely assigned on a given subject. An occasional librarian has suggested that *no* books be put on reserve. One criticism which has been made against reserve books, is that that system ties up vast numbers of books, many of which are rarely used. This complaint can hardly be made at Haverford, where each semester and often at each "quarter", or more frequently, the professors hand in new lists of books which are definitely to be used and have other books removed from the reserve shelves. This makes an active reserve collection with its efficiency depending upon the faculty and the cooperation of the library staff. The results in this library are good. Practically *all* the books are in demand by students and it is easy to spot the very small number which are used only before examinations.

STATISTICS

Books put on Reserve

1st semester	1,562	
2nd semester	1,625	
Total		3,187

Reserve Book Circulation

Library Usage	19,723	
Overnight "	2,611	
1 day "	50	
3 day "	1,418	
1 week "	85	
2 week "	387	
Total for year		24,274

Interlibrary Loan, 6-10-49 to 6-10-50

Borrowed	141
Loaned	569

Both of the above figures on Interlibrary Loans represent an increase of nearly double the number for 1948-49.

GROWTH OF COLLECTIONS

The total number of volumes in the library at the end of August, 1950, was 182,034. During the past year 4,162 volumes were added, 2,364 by purchase, 1,522 by gift or exchange and 276 sent by the United States Superintendent of Documents for our Government Depository Collection. In addition to the latter cataloged items there were hundreds of uncataloged pamphlets which are filed in the pamphlet collection. 239 books were discarded.

CIRCULATION

The total circulation of books outside the library was 25,701. Of this number 3,321 were lent to the faculty and staff, 16,502 to students and 5,878 to borrowers not connected with the college. 501 books were borrowed from the special libraries on the campus. Books charged out for use in carrels numbered 1,248. The requests for carrels were so numerous and so pressing that a number of those who were fortunate enough to be assigned carrels were induced to share them. I must say they did this very generously.

GIFTS

It is with a feeling of gratitude that we write of the numerous gifts from friends and well-wishers. There is not space in this report to list all of them and many others will be given recognition in the report of the Curator of the Quaker Collection. A few selections from the list follow:

From Richard W. Lloyd, 868 books and numerous pamphlets, many of them from the library of his mother, Mary Helen Wingate Lloyd. There were many fine illustrated books on gardens and gardening, literature, travel and exploration and a number of excellent sets. An exception to any of the above classifications was an odd book by William Kitchiner, entitled, *The Art of Invigorating and Prolonging Life, by Food, Clothes, Air, Exercise, Wine, Sleep &c; or, The Invalids Oracle, containing Peptic Precepts* [etc.] Farther down the page, the title closes with these words, *To Which is Added, The Pleasure of Making a Will*. Special attention should be called to three sets among others: An autographed set of Kipling's works in the Seven Seas Edition, 25 volumes; Burton's *Arabian Nights*, 17 volumes; and Charles S. Sargent's *Silva of North America*, in 14 volumes.

From Mrs. Robert Locke, 27 books, among them a 3 volume set of Jonathan Swift's and Alexander Pope's *Miscellanies in Prose and*

Verse, of which the purpose as explained in the preface was to get even with some booksellers, by whom they had been extremely ill treated. A so-called fourth volume called *Gulliveriana* and written by Jonathan Smedley, dean of Clogher, is in reality a bitter attack on Swift and Pope.

From Frank T. Siebert, 4 books, one of them a rare first edition of Thomas Nuttall's *Journal of Travels into the Arkansa Territory, during the Year 1819. With Occasional Observations on the Manners of the Aborigines*. Thomas Nuttall was a famous naturalist and the donor tells us that this was the first book in English on the Southwest. As the author travelled by mail stage, on foot, and by boat, "with no other view than personal gratification . . . To converse as it were with nature", he found that human nature varied and sometimes "instead of gratitude" he met with "detraction and envy". His comment here is, "With such I stoop not to altercate." His comments on the country and the inhabitants and the unusual engravings in the book make it a delight to an armchair traveller.

From Henry S. Conrad, 6 photographs of Haverford scenes, taken about 1894. One of them is a scene in the original library, the present North Wing, facing towards the center. It shows a single Gothic window through the arch and some of the same photographs around the gallery. If the present lighting system is not perfect, what must that old system have been with all the lights clustered in one spot?

From William M. Woodward, a first edition of Thackeray's *Henry Esmond*, beautifully bound in tooled leather.

From W. S. Patteson, several books on American shrines and memorials in England.

From Virginia McCall, 78 books from her personal library. Those on nature and outdoor sports were given in memory of her father.

From Haverford School, 131 books on literary and artistic subjects.

From the estate of Francis R. Taylor, the famous translation by Herbert Hoover and his wife of Agricola's *De Re Metallica*, from the first Latin edition of 1556. Published for the translators by the Mining Magazine, Salisbury House, London, 1912. This is the original large edition, which is now out of print and has sold for as much as \$150. It has been called the greatest mining treatise of the period and it remained the standard work on the subject for two centuries. For the general reader it is a wonderful source of material on the Middle

Ages. There are 289 excellent contemporary illustrations, reproductions of woodcuts. Our copy is inscribed, "To Francis R. Taylor, with the good wishes of Herbert Hoover."

Another book from the estate of Francis R. Taylor was a 1640 edition Francis Bacon's *Of the Advancement and Proficiency of Learning*. This was originally written in English in 1605, and later translated into Latin under Francis Bacon's supervision in 1623. Our copy is the first retranslation into English and contains the engraved title-page but lacks the portrait of Lord Bacon.

From M. Alexander Laverty, 134 books from his personal library.

From H. Leo Gould, 27 Russian books.

From Carl W. Allendoerfer, \$40.00 for a subscription to *Journal für die Reine und Angewandte Mathematik*.

From T. W. Phillips, Jr., 2 subscriptions to the United Nations World.

From William H. Bond, a book to be selected, on English history, given in memory of his classmate, Edward L. Hawkins.

From Frank D. Watson, several hundred books, the majority on sociology.

From Mrs. Carroll Greenough, during the summer, came 12 boxes of books containing many fine English and French sets. These were plated and marked with the donor's name before being sent to libraries in the French House and the Yarnall House. Some other volumes were kept in the main library as a valuable addition to our collections. Among others are the following: *A Collection of Etchings, after the Most Eminent Masters of the Dutch and Flemish Schools*. Edinburgh, 1903. Also a folio written in French on the solemn inauguration of Charles VI, emperor of the Romans and king of Spain, 1719, containing immense folded plates showing the magnificence of the celebration and the accompanying fireworks. Also, a German Bible in pictures, 1860. Another book which we are particularly glad to have is Dryden's Virgil, 2d edition, London, 1698. Title: *The Works of Virgil . . . tr. into English Verse, by Mr. Dryden. Adorn'd with a Hundred Sculptures*. According to W. T. Lowndes, the bibliographer: "Pope observed of this translation that it was the most noble and spirited he knew in any language. On the other hand, the Quarterly Reviewers have since observed that the translation 'with the exception of some brilliant passages, is upon the whole slovenly and paraphrastical'".

We cannot say enough in appreciation of these gifts — both the ones listed here and the many others. An invitation is extended to all donors and friends of the college to visit the library whenever convenient to them.

In closing, I should like to leave a remark on books and men made by Samuel Johnson: "No man should think so highly of himself as to think he can receive but little light from books, nor so meanly as to believe he can discover nothing but what is to be learned from them."

AMY L. POST

REPORT OF THE CURATOR OF THE QUAKER COLLECTION

1949-1950

Our report this year — signed by the Curator and by the Assistant Curator, who is charge of the Treasure Room during the Curator's absence since June on sabbatical leave — begins where our last report left off. We spoke then of the need for help, and help came immediately. A member of the Corporation, who prefers to remain anonymous, generously made it possible for us to employ an extra staff member (Elizabeth Locke Besse, wife of Byron E. Besse, Jr., of the Class of 1948) in the Treasure Room throughout the academic year on a half-time basis. The resulting increase in our activities was most gratifying. Perhaps the word "activity" best characterizes the year 1949-1950, for activity has been the rule from September to September.

To the layman the details of library administration are mysterious and unimportant — except when he can't find his favorite book because it has "not yet been cataloged," or is not allowed to see the manuscript he knows to exist because "the collection of which it is a part has not yet been sorted and arranged." Then he recalls the fact that a library understaffed is like an automobile without gasoline — it is prepared to move but cannot for lack of power. Staff workers provide the power to keep the library mechanism moving.

So in reporting the past year as one of unusual activity, we are happy to enumerate some of the tasks accomplished. The Morris-Sansom Collection, consisting of some six thousand family letters and papers, was sorted and

cataloged. Also, the letters of Dr. Joseph W. Taylor, and other members of the Taylor family, which we had received in several different groups, were arranged as one collection. We checked a list of eight hundred early Quaker titles which were offered us for sale — fruitlessly, alas (careful checking takes an enormous amount of time!) for the offer was withdrawn when we reported that we needed only sixty of the eight hundred books and pamphlets. Manuscripts and printed items relating to the history of Haverford College were sorted and grouped together, and only await the research worker who some day may wish to write a detailed history of the College. We made a preliminary sorting of the Hoag Indian Papers, which came to us in 1945 through Jonathan M. Steere, and of the Nathaniel P. Rogers collection of antislavery material which Joshua L. Baily, '12, secured for the College last year. We listed in short-title our much-too-large accumulation of uncataloged Quaker books and pamphlets, which will facilitate our checking of new offerings in the future. We also sorted a large collection of meetinghouse pictures, and incorporated them into our photograph files. The beautiful leather bindings of the fifteen hundred tracts in the William H. Jenks Collection were treated with a special preservative, in order to safeguard them against deterioration from dust and dryness. We took inventory — a periodic necessity in a well-run library — of the rare general books in the Treasure Room, of the Mysticism Collection and the Writings of Rufus M. Jones. The members of the College library staff cataloged the important new Quaker books — all our cataloging is concentrated in the one department for economy and efficiency, but in recent years the burden of general cataloging has been so great that Quaker cataloging has fallen farther and farther behind. They also brought up to date the binding of Quaker periodicals and Yearly Meeting Minutes. In accordance with our agreement to furnish Friends Historical Library at Swarthmore College with a list of our holdings, we made a beginning in copying the catalog cards of all the Quaker books at Haverford. It is hoped that eventually the Friends libraries in London, Haverford, and Swarthmore will have copies of each other's catalogs. Haverford already has a film copy of the catalog of the London library and a card list of Swarthmore's books, and it remains to us to reciprocate.

Another regular activity of the Treasure Room staff is the arranging of exhibits of historical or current interest. The most important exhibit of the year was commemorative of the centenary of the death of Edgar Allan Poe. This anniversary was observed on the occasion of the Shipley Lecture, given by the great Poe authority, Professor Arthur Hobson Quinn

of the University of Pennsylvania. Guests assembled in the Treasure Room on the evening of December 7, 1949, to listen to the lecture and to examine the exhibits. Haverford's own Poe material was shown, as well as valuable manuscripts, books, periodicals, and pictures which were graciously lent to the College by Professor Quinn, Colonel Richard Gimbel of Philadelphia, Harvard University, and the Historical Society of Pennsylvania. Other exhibits during the year included Recent Gifts, the Shakespeare Folios, Haverfordiana, the Nobel Peace Prize medal awarded to the American Friends Service Committee, and special subjects for meetings of the Library Associates.

During the year the Curator gave six talks in the Treasure Room to Haverford students. Four groups of Freshman came to hear about the material available on the history and doctrines of the Society of Friends, and the two sections of English 12 learned of the College's literary treasures. The Curator also completed his study of *Quakers and Slavery in America*, which the Yale University Press published in October.

It is gratifying to report that good use is being made of the Joshua L. Baily-Nathaniel P. Rogers Collection of letters and other antislavery material. Robert S. Arthur, who came from Keble College, Oxford, to Haverford, is writing the life of Rogers as his M.A. dissertation in History, and is making our collection the principal basis for his study. We have supplemented our Rogers holdings with microfilms of related material in other libraries, including a film copy of his antislavery periodical, *The Herald of Freedom*, from the file in the Library of Congress. In this connection it is interesting to report that at the suggestion of Robert Arthur, we sent some forty Quaker books from our duplicates to the Library of Keble College to assist in building up a collection of books there on the history of Quakerism.

Many visitors come to the Treasure Room each year, some to admire the attractive room and the exhibits, and others to use the books and manuscripts for research purposes. Spring Day and Commencement Day always bring the largest number of people, but there is a steady flow of visitors at other times. We were glad to welcome this year a group of students from the William Penn Charter School, and the Workshop Class from the Manoa School. Research workers came to consult our books and manuscripts on a variety of subjects, including the Congregational Friends, the Hicksite Controversy, the Underground Railroad, the diary of Ann Whitall, the American Friends Service Committee archives, and other subjects. William Bacon Evans has spent several months gathering material for his monumental

compilation, "Who's Who Among Friends." Quaker books have been consulted in increasing numbers by Haverford students who take the course offered by the College on the "History and Philosophy of Quakerism."

We have received letters of inquiry from persons who live in all parts of the world — from Maine to California and from Mexico to Spain. They asked for assistance in finding material on many topics, including Friends and Russia, Lincoln and the Society of Friends, Quaker publications, and the part taken by Friends in abstaining from the use of products of slave labor.

We were pleased to cooperate with the National Society of Autograph Collectors in lending seven letters from the Roberts Collection for an exhibition at Madison Square Garden of autographs of the seventy-seven persons whose busts are in the Hall of Fame at New York University. We also lent a Goethe letter to the German Club of Brooklyn College, who commemorated the two hundredth anniversary of the poet's birth by arranging an exhibition of illustrative material.

The past year has not only been active but it has also been one in which the Quaker Collection has maintained a steady growth. Our friends have been generous in their gifts of manuscripts and books. We have also purchased needed items from special funds which have been presented to us from time to time. We bought three manuscripts with the help of the W. W. Comfort Fund — the autograph of Walter Clarke, Quaker governor of Rhode Island who first held office in 1676; a hand-drawn map of New England Yearly Meeting done in the eighteenth century; and a letter written by John Barclay to John Wilbur in 1837. Through the Vogt Fund we purchased a beautifully bound copy of *New England Judged*, by George Bishop (London, 1661). Previously Haverford had had only the second part of this important work, and it was a great satisfaction to secure a complete set. Mrs. Alfred G. Scattergood, through Henry J. Cadbury, presented the manuscript journal of George Churchman, a Quaker minister of Nottingham, Pennsylvania. This journal is in eight small volumes and gives an account of Churchman's travels in the ministry from 1759 to 1804. William Bacon Evans gave us a copy of the "Story of Philadelphia Yearly Meeting of 1827," which he compiled from the original manuscript account of this gathering, probably written by Thomas Evans and now at Haverford. The manuscript journal of William Savery, in four volumes, came as a welcome gift from the estate of Francis R. Taylor. These volumes, beautifully bound, cover the period from 1794 to 1798 when Savery was travelling in the United States, Great Britain and Europe. It was this journal which

Francis Taylor used as a basis for his *Life of William Savery* published in 1925. William P. Philips presented a letter which Elias Hicks addressed to William Logan Fisher, then in Germantown, in 1827, in which Hicks discussed the importance of adhering to the religious truths as taught by George Fox and to the principle of the Light Within. A useful adjunct to our meetinghouse pictures was the gift of F. Charles Thum — a copy of his M.F.A. thesis at Princeton University on "Simplicity. An Analysis of the Role of Simplicity in Architecture and its Development by the Religious Society of Friends." A gift of unusual interest to Haverfordians was an album made by Marriott C. Morris, '85, and presented by his son, Elliston P. Morris, '22. This volume contains pictures, programs and newspaper clippings, and is a record of events at the College from 1881 to 1946.

A notable addition of both Quaker and non-Quaker manuscripts came from the autograph collection of the late Samuel R. Shipley. His daughters, Mrs. E. Page Allison and Mrs. Thomas Raeburn White, kindly permitted us to examine the Shipley autograph albums and select the letters which would best fit into Haverford's collections. Some eighty-five manuscripts were chosen, including letters of John G. Whittier, Joseph Sturge, Anna Elizabeth Dickinson, and several lines in the handwriting of George Fox. Among the non-Quaker items were autographs of six Presidents of the United States, a pathetic letter from Maria Clemm, mother-in-law of Edgar Allan Poe, and letters of Thomas Edison, Edwin Markham, John Burroughs, William Jennings Bryan, and others. A letter from Simon Newcomb filled a gap in the Roberts Collection of autographs of persons in the New York University Hall of Fame. We still need letters of Stephen Collins Foster, Sidney Lanier, Alice Freeman Palmer, Walter Reed, Augustus St. Gaudens, and Gilbert Stuart, to make this collection complete.

Christopher Morley, '10, presented two letters which Woodrow Wilson addressed to him in 1921 and 1922. John Joseph Stoudt, '33, gave to Haverford four books from the library of his father, John Baer Stoudt. One has the Christopher Sower imprint of 1762 and the others were printed in Germany in the seventeenth century and will be placed in the Rufus M. Jones Mysticism Collection. Additions continue to be made to this collection, including two books purchased through the Mohonk Fund and twenty-one by the Rufus Jones bequest.

In our desire to make as complete as possible our collection of the writings of Rufus Jones, we purchased his *New Eyes for Invisibles* which has been published as a "Talking Book" for the use of the blind. Another

unusual accession, presented by Mrs. Jones, was a moving picture, with sound, of a dinner given in 1936 to commemorate the four hundredth anniversary of the death of Erasmus. Rufus Jones was one of the speakers at this dinner, which was given in the Seth Low Memorial Library at Columbia University.

Donors of old or rare books, pamphlets, pictures, and broadsides for the Quaker Collection included Grace B. Gardner, Mrs. Henry V. Gummere (books and Haverfordiana items), Mrs. Richard L. Cary (account book of the Ship Susquehannah), James G. Vail, Mrs. Rufus M. Jones, Hubert R. Taylor, '38 (books from the estate of Francis R. Taylor, including an ancient work on Metallurgy translated in 1912 by Mr. and Mrs. Herbert Hoover), E. Page Allinson, '10, Henry J. Cadbury, '03 (Quaker pamphlets), Mrs. Edwin O. Geckeler, William Bacon Evans (family letters, books and silhouettes), Thomas E. Drake, the University of Rochester Library, the Willits Committee, Albert L. Baily, '12, Professor Louis C. Green, William A. Battey, '99, Herbert Hoover (1891 Discipline of Iowa Yearly Meeting), Carroll A. Haines, '10, Margaretta S. Hinchman, Caroline W. Smedley, Susan J. Dewees, John E. Boos, Warder Cadbury, '49, Muriel A. Hicks, Anna B. Hewitt, C. Wilford Conrad, Elliston P. Morris, '22, Mrs. L. G. Collyer (Bible with inscription and notes of former owners), Friends Historical Association, and Friends Historical Library at Swarthmore College. Morris E. Leeds deposited on indefinite loan silhouettes of Stephen Grellet and Elizabeth Coggeshall, and a portrait of Enoch Lewis. Hiram Doty continues to add new items to our growing collection of novels in which Quakers appear as characters.

Additions to the Charles Roberts Autograph Collection included gifts from Clarence G. Hoag, '93 (a letter of John Ruskin), Mrs. William E. Cadbury, Jr. (a letter from Eugenie Anderson, the first woman ambassador to Denmark), Professor Edward D. Snyder (a letter from Bliss Perry), Dr. Joseph E. Fields, Jr. (photographs of our Gwinnett and Lynch autographs), M. Alexander Laverty, '17 (a letter from Henry W. Longfellow and two books), National Society of Autograph Collectors (photographs of busts in the Hall of Fame), and from President Gilbert F. White (letters of John Foster Dulles, Lucius D. Clay, and others).

In closing this summary of our gifts and purchases, it is interesting to record that five hundred manuscripts and one hundred pictures were added to the Quaker Collection, and that the Charles Roberts Autograph Collection was increased by eighty-five. The books accessioned totalled 264, 150 of which were purchased while 114 came as gifts.

In reviewing the activities of the past year, it is gratifying to recall the things that have been accomplished and the many gifts, large and small, which have come to enrich our collection of books and manuscripts. Since our anonymous donation for extra staff help terminated in June, we are again in the position of having to say that additional staff help is urgently needed to catalog and make available the treasures that have been presented to us. Hundreds of manuscripts are awaiting to be read, analyzed, and cataloged, and more than two thousand Quaker books and pamphlets need the attention of our catalogers. We hope that the future may bring a permanent addition to the staff, so that in years to come we shall be able to report even greater activity in the Quaker Collection at Haverford.

THOMAS E. DRAKE
ANNA B. HEWITT

REPORT OF THE MORRIS INFIRMARY

1949-1950

The report of house patients is as follows:

	1949-1950	1948-1949
Patients admitted	103	95
Total time (days)	296	383

Diseases are classified as follows:

Grippe and respiratory	40
Intestinal	30
Joint conditions	7
Miscellaneous	25

Total number of visits of dispensary patients:

	1949-1950	1948-1949
Medical	2,652	3,406
Surgical	1,392	1,327
Total	4,044	4,733

Conditions are classified as follows:

Upper respiratory	644
Fractures	16
Sutures	9
General	779

HERBERT W. TAYLOR, M. D.

PUBLICATIONS AND ACTIVITIES

OF THE FACULTY

1949-1950

ALLEENDOERFER, CARL B.

Books: *Mathematics for College Freshmen* (with C. O. Oakley) Haverford: Haverford College Bookstore, 138 pp.

Articles: "Coordinate Systems Projected on Blackboards", *American Mathematical Monthly*, 56, No. 9 (November 1949), 629.

"Characteristic Cohomology Classes in a Riemann Manifold", *Annals of Mathematics*, 51, No. 3 (May 1950), 551-70.

Editorial work: Associate Editor, *American Mathematical Monthly*; *American Journal of Mathematics*; *Duke Mathematical Journal*; *Proceedings of the American Mathematical Society*; *Transactions of the American Mathematical Society*.
Abstractor, *Mathematical Reviews*.

Lectures: "Differentiable Manifolds", Harvard University Mathematical Colloquium. "Exterior Differential Forms", Massachusetts Institute of Technology Mathematics Club. "Cohomology on Real Differential Manifolds", International Congress of Mathematicians, Cambridge, Mass.

Visiting Professor of Mathematics, Massachusetts Institute of Technology, Second Semester, 1949-1950.

Leader of Discussion Group on "The Teaching of Calculus", Institute for Teachers of Mathematics, Tufts College.

Member, Board of Governors, Mathematical Association of America.

ASENSIO, MANUEL J.

Lectures: "El sentido de la muerte en Espronceda", Bryn Mawr College; University of Pennsylvania. "El indio del Peru y del Ecuador a través de Ciro Alegna y de Jorge Icaza", Pan American Association of Philadelphia.

ASHMEAD, JOHN JR.

Articles: "Japanese Literature", "Japanese Drama", "Korean Literature", *Chamber's Encyclopaedia*, London, 1950.

Lectures: Main Line School Night, "The Modern Novel", 10 lectures.

BENFEY O. THEODOR

Reviews: A. E. Remick, *Electronic Interpretation of Organic Chemistry*, in *Journ. of Amer. Chem. Soc.* 72, (March 1950), 1429.

Lectures: "The Theory of Resonance", Journal Club of Chemistry Department, Bryn Mawr College.

Member, Liaison Committee, Phila. Section, Amer. Chemical Society.

Member of Board, Friends Central School.

Member of Membership Committee, Society for School Responsibility in Science.

BENHAM, THOMAS A.

Articles: "Instrument for measuring Small Capacity Condensers", *Radio and Television News*, Feb. 1950.

"Motor-Controlled Charger", *Electronics* (Sept. 1950), 116-118.

Lectures: "Some Servo Mechanism Principles", Teachers, Barnard College, New York City; "Demonstrations of Some of the Principles of Servo Mechanisms", The Pennsylvania Conference of College Physics Teachers; "Research on Aids for the Blind", Bryn Mawr Physics Club.

Vice-Chairman, Pennsylvania Association for the Blind, Phila. Branch.

BERNHEIMER, RICHARD

Editorial work: Supervisor: Funk & Wagnalls Encyclopedia.

Lectures: "Goethe as a draftsman", University of Pennsylvania; "Goethe and Gothic". University of Pennsylvania; "Renaissance Art and the Counter Reformation", Mid-Atlantic States Meeting of the Renaissance Conference, American Council of Learned Societies; "The Nature of German Art", Bryn Mawr German Club.

Participant in Conference on First Year Courses in History of Art, Princeton, April.

CADBURY, WILLIAM E., JR.

Editorial work: Associate Editor, Journal of Chemical Education.

Associate Director of Study, Subcommittee on Preprofessional Education of the Survey of Medical Education.

Member, Committee in Charge of Westtown School.

Overseer, Haverford Monthly Meeting.

Elder, Haverford Monthly Meeting.

COMFORT, HOWARD

Articles: "A Hoard of Greek Jewelry", *Am. Journ. Archaeology* 54 (1950), 156-8.

Reviews: Holwerda, *De Belgische Waar in Nijmegen and Het in de Pottenbakkerij van de Holdeurn gefabriceerde Aardewerk*; Holwerda and Braat, *De Holdeurn bij Berg en Dal. in Am. Journ. Archaeol.* 53 (1949), 418-9.

Dragendorff and Watzinger, *Arretinische Reliefkeramik* in *Am. Journ. Archaeol.* 54 (1950), 156-158.

Burckhardt, *The Age of Constantine the Great* (trans. Hadas) in *Crozer Quarterly* 27, No. 3, 265-6.

Lectures: "The United Nations", World Affairs Council Forum, Moorestown, N. J.

"Plans for World Organization", Bryn Mawr Presbyterian Church.

Sec'y.-Treas., American Philological Association, until Dec. 30, 1949.

Representative Meeting, Arch Street Y.M.C.A.

Member of Board of Directors, Osborne Association.

Elder, Haverford Meeting.

Centers Sub-Committee, A.F.S.C.

COMFORT, WILLIAM W.

Articles: "Quaker Visitors to American Presidents in the Nineteenth Century", *Bulletin of Friends Historical Association* 38, No. 2, 63-74.

"Thomas Garrett's Letters to Two Ladies in Britain", *Delaware History*, 4, No. 1, 37-47.

Reviews: Lucas, *The Quaker Story*, in *Friends Intelligencer*, 106, No. 40, 552. Lloyd,

Quaker Social History, 1669-1738, in *The Friend*, 123, No. 23, 357.

Brockbank, *Edward Burrough of Underbarrow* in *Bulletin of Friends Historical Association*, 38, No. 2, 115-116.

Cooper, *Memorial to Cyrus and Bertha Cooper*, in *The Friend*, 123, No. 9.

Lectures: On some aspect of Quakerism at Pendle Hill (5), Wilmington (3), Moorestown (3), Germantown (2), Chestnut Hill (1), Haverford (3), Westfield (1), Upper Dublin (1), Twelfth St. (1), Merion (1), Exeter (1), Camp Dark Waters (1), Oakwood School (1), Scarsdale (1), London Grove (1), Penn Charter Teachers (1).

deGRAAFF, FRANCES

President of Pennsylvania Chapter and Vice-President of National Organization of American Association of Teachers of Slavonic and East European Languages.

DRAKE, THOMAS E.

Books: *Quakers and Slavery in America*. New Haven: Yale University Press, 1950, 245 pp.

Lectures: "Stages in the Spiritual Development of Isaac Tatum Hopper (1771-1843)," Pendle Hill.

President, Society for American Studies.

Member of Board of Directors, Friends Historical Association.

Member of Board of Directors, Pendle Hill.

Member of Board of Managers, *The Friend* (Phila.).

DUNN, EMMETT R.

Articles: "The application of Fisher's Formula to collections of Panamanian snakes" (with C. B. Allendoerfer). *Ecology* 30, No. 4 (Oct. 1949), 533-6.

Curator of Reptiles and Amphibians, Phila. Academy of Natural Sciences.

Examiner in Biology, Swarthmore College, June 1950.

FLIGHT, JOHN W.

Editorial work: Associate Editor: *Journal of Bible and Religion* (Organ of the National Association of Biblical Instructors).

Abstracts of articles on archaeological subjects in foreign periodicals for *American Journal of Archaeology*.

Editor: The Proceedings of annual meeting of *Society of Biblical Literature and Exegesis* in *Journ. of Bib. Lit.* Mar. 1950.

Preaching Engagements: South Congregational Church, Hartford, Conn.

Acting Recording Secretary for annual meeting of Society of Biblical Literature and Exegesis, 1949.

Chairman of Symposium Committee, Society of Biblical Literature and Exegesis, 1950.

Acting Treasurer for International Project to Establish a Critical Apparatus of the Greek New Testament, during summer of 1950.

FOSS, MARTIN

Books: *Symbol and Metaphor in Human Experience*, Princeton, New Jersey; Princeton University Press, 1949, 205 pp.

Lectures: "Christian Ethics", Germantown Forum. "Humor and Comedy", Harcum Junior College, Bryn Mawr.

Commencement address, Lancaster Day School.

Preaching Engagements: Bryn Mawr College, Baldwin School, Westtown School;
Baccalaureate Sermon, Bryn Mawr College.

Overseer, Haverford Meeting.

Member of "The Religious Life Committee of the Society of Friends".

GREEN, LOUIS C.

Articles: "The Oscillator Strength for the 4s-4p Transition in Ca II" (with Nancy E. Weber), *Astro-physical Journal*, 3, No. 3 (May 1950), 582-586.

"Oscillator Strengths for the 4s-p and the 3d-f Continua of Ca II" (with Nancy E. Weber), *Astro-physical Journal*, 3, No. 3 (May 1950), 587-592.

Lectures: "Theoretical Oscillator Strengths", an invited paper at the Seventh Spectroscopy Conference, sponsored by the Office of Naval Research, Columbia University.

"The Oscillator Strength for the 4s-4p Transition in Ca II" (with Nancy E. Weber), American Physical Society, New York.

"Some Problems Arising in the Computation of Transition Probabilities", Seminar in Theoretical Physics, Yale University.

GUTWIRTH, MARCEL

Articles: "Le Portrait de Charlus dans l'oeuvre de Proust", *Romanic Review*, 40, No. 3 (Oct. 1949), 180-5.

HAVILAND, H. FIELD, JR.

Articles: "The Hoover Commission: A Symposium — Foreign Affairs" (with Daniel S. Cheever), *American Political Science Review*, 43, No. 5 (October 1949), 966-78.

Reviews: Elmer Plischke, *Conduct of American Diplomacy*, in *World Affairs*, 113, No. 2 (Summer, 1950), 59-60.

Editorial work: Leader, World Affairs Council Study Group on "Executive-Legislative Relations in U. S. Foreign Policy"; prepared report with recommendations for membership of the World Affairs Council.

Lectures: "UN Efforts to Control Atomic Energy", Temple Univ. High School Forum in cooperation with the World Affairs Council, Philadelphia.

"Atomic Energy and the UN", World Affairs Council Town Meeting, Phila.

"The Hoover Commission and U. S. Foreign Affairs", Citizen's Committee for the Hoover Commission, Philadelphia.

"U. S.-U.S.S.R. Relations", Peace and Social Order Committee, Haverford Meeting.

HAWORTH, LESTER C.

Trustee of Earlham College.

Member of the Executive Board of the American Friends Service Committee, Chairman, American Section.

Member of the Executive Board of the World's Committee on Consultation.

Member of the Executive Committee, Philadelphia Council of Churches.

HERNDON, JOHN G.

Articles: "Thus Far Have We Come", in *News-Letter of the American Society of Genealogists*, 8, No. 1 (April 1950), 4 pp.

"A Quaker Genealogical Difference", in *The Pennsylvania Genealogical Magazine*, 17, No. 2 (December 1949), 112.

"Supplementary Pages for 1949", John C. Winston Co., Philadelphia, 1950, 64 pp.

"Winston Tax Digest", John C. Winston Co., Phila., 1949-1950. (A four-page monthly publication.)

"The Militia of Spottsylvania County, Va., as evidenced by Petitions of 14 November 1776", *DAR Magazine*, 84, No. 1, Whole Number 666, (January 1950), 57-59.

Editorial work: Editor, *The Pennsylvania Genealogical Magazine*, published by The Genealogical Society of Pennsylvania.

Lectures: "Haverford College's Contribution to Educational Leadership in Pennsylvania", before the Pennsylvania Historical Junto, Washington, D. C.

"Thus Far Have We Come", before the American Society of Genealogists, New Haven, Connecticut.

Financial Director, State Y.M.C.A. for the Southeastern District of Pennsylvania.

Vice President, The American Society of Genealogists.

Vice President, The Genealogical Society of Pennsylvania.

Appointed Councillor, The Phi Beta Kappa Association of Philadelphia.

Elected Fellow of the Genealogical Society of Pennsylvania.

Historian, Society of the War of 1812 in Commonwealth of Pennsylvania.

HETZEL, THEODORE B.

Preaching Engagements: Zion Baptist Church, Ardmore, Jan. 1, 1950.

President of the Board, Haverford Community Center.

Chairman, Occupational Division, Society for Social Responsibility in Science.

Chairman, Student Activities Committee, and of the meeting of Jan. 11, 1950, Phila.

Section of the Society of Automotive Engineers.

Vice-Chairman, Work Camp Committee, American Friends Service Committee.

Director, Friends Work Camp, Brownfield, Maine.

Board Member, Society of Automotive Engineers (Philadelphia).

Board Member, Westtown Alumni Association.

Board Member, Society for Social Responsibility in Science.

HUNTER, HOLLAND

Articles: "Soviet Railroads Since 1940", *Bulletins on Soviet Economic Development* (Birmingham, England), I, No. 4 (September, 1950), 10-20 and 32-33.

Reviews: Balzak, S. S., Vasyutin and Feigin, *Economic Geography of the USSR*, in *American Economic Review*, 40, No. 1 (March 1950), 222-23.

Schwartz, Harry, *The Soviet Economy: A Selected Bibliography*, in *The Russian Review*, 9, No. 1 (April 1950), 160-61.

Editorial work: Textbook on the Soviet economy evaluated for Prentice-Hall, Inc.

Lectures: "Soviet Resource Location", West Chester State Teachers College.

"How the Kremlin Views the Outside World", Library Associates, Haverford College.

Panel speaker, "Do Quakers Have an Answer to U. S.-Soviet Relations?".

Young Friends Movement, Moorestown, N. J.

Panel speaker, "Freedom and Independence", World Affairs Council, Phila.

Acting Chairman, AFSC Work Camp Committee.

Member, AFSC American Section Executive Committee.

JONES, THOMAS O.

Articles: Research paper on "Preparation of Phenyl Hydrazides from Esters", before the American Chemical Society in Atlantic City, N. J.

Research paper (with Wm. B. Meldrum) on "Deduction of Gram Equivalents from Equations", before the American Chemical Society in Philadelphia.

Editorial work: Atomic Energy Commission.

Glossary of Nuclear Energy Terms.

Lectures: Two lectures on Atomic Energy.

KELLY, JOHN A.

Articles: Article on Herder, *Collier's Encyclopedia*, 1950.

Reviews: Roloff, W., Mix, M. E., and Nicolai, M.: *German Literature in British Magazines, 1750-1860*, in *American-German Review*, 16, No. 5 (June 1950), 36-7.

Editorial work: Department Editor for German Literature, *Collier's Encyclopedia*.

Thomas Mann's Tonio Kröger, ed. with intro., notes, and vocabulary. London: George G. Harrop & Co., Ltd., 16 (1949), 126 pp. (Revision of American ed., N. Y., 1931.)

Member Executive Council, Junior Year in Germany.

Member Executive Council, and Vice President, Goethe Association of Phila.

Examiner in German Literature, Swarthmore College, June 1950.

LESTER, JOHN A., JR.

Lectures: "Everyday Writing", (Six meetings), "How to Read Fiction", (Six meetings), Germantown Community Adult School.

Examiner in English, Swarthmore College, June 1950.

MacINTOSH, ARCHIBALD

Articles: "The Class of 1953", *Haverford Trends*, No. 12 (Nov. 1949).

Lectures: New Jersey Association of Deans & Counsellors, Rutgers University, New Brunswick, N. J.

American College Public Relations Association, Atlantic City, N. J.

Custodian, College Entrance Examination Board.

MELDRUM, WILLIAM B.

Books: Contribution to: *The Third Mental Measurements Yearbook*, ed. by O. K. Buros, New Brunswick, N. J.: Rutgers University Press, 1949, pp. 562-564.

Articles: Research paper (with T. O. Jones) on "Deduction of Gram Equivalents from Equations", before the American Chemical Society in Philadelphia, April, 1950.

Editorial work: Associate Editor, Journal of the Franklin Institute.

Lectures: "Electrochemistry in the Freshman Course", New England Association of Chemistry Teachers, Storrs, Connecticut.

Altern. Councillor, American Chemical Society.

OAKLEY, CLETUS O.

Books: *Mathematics for College Freshmen* (with C. B. Allendoerfer), Haverford: Haverford College Bookstore, Aug. 1950, 138 pp.

Articles: "A Problem", *Pi Mu Epsilon Journal*, 1, No. 2, 49.

Editorial work: Preparation (with Messrs. Allendoerfer, Wilson and Thomsen) of

an index to the American Mathematical Monthly of Volumes 1 to 56, incl.
Published as Vol. 57, No. 7, Part II, 132 pages, Aug.-Sept., 1950.

Lectures: "An Equation for Swarthmore", Mathematics Club of Swarthmore College.
"Mathematics—Ancient and Modern", College Club of Harrisburg, Penna.
Member, Committee on Publicity and Delegate to International Congress of Mathematicians, Cambridge, Mass., Aug. 30-Sept. 6, 1950.
Secretary, Philadelphia Section, Mathematical Association of America.

PARKER, FRANCIS H.

Lectures: "American Neo-realism and Critical Realism", The Association for Realistic Philosophy, Worcester, Mass.
"Some Ideas of Immortality", The Youth Forum, Ardmore Methodist Church, Ardmore, Pa. and The Christian Association, Haverford College.

PEPINSKY, ABRAHAM

Articles: "Techniques and Practice in Dynamic Personnel Management", *San Diego State College Bulletin*, Nov. 1949.

"Bowling and Psychosomatics", *The Music Journal*, 8, No. 2 (March-April, 1950), 23, 72-3.

Lectures: "Psychology in Training the Child in Music", Music Teachers National Association Convention, San Francisco; Southern California Personnel Conference, Carlsbad, California; "Critique of String Forum Discussions" (at S. F. MTNA sectional meetings), NSTA, San Diego, California; "Interpersonal Relations", Electronics Science Guild, Annual Meeting, San Diego, Calif.; "Motivation and Learning", Naval Reserve Officers, San Diego, Calif.; "War and Human Relations", Marine Reserve Officers, San Diego, Calif.; "Eupraxia and String Instrument Performance", MTNA Convention, Cleveland, Ohio; "The Mind-Body Problem in Musical Performance", Calif. Music Teachers Association, Long Beach, Calif.

Vocational Rehabilitation Program for California.

Chairman of Psychology of Music Committee, Music Teachers National Association.
Vice President of Montgomery County Mental Hygiene Society.

PFUND, HARRY W.

Articles: "Zum 200. Geburtstag Goethes", *Kirchliches Monatsblatt*, Phila., 10, No. 6 (Nov. 1949), 4-6.

"'Amerika, du has es besser . . .' — The Main Aspects of Goethe's Interest in America", *Year Book of the German Society of Penna.*, 1, (Spring 1950), 33-43.

Reviews: Atkins, *The Testament of Werther in Poetry and Drama*, in *Germanic Rev.*, 35, No. 2 (April, 1950), 140-142.

Goethe Essays by G. Tellenbach, W. Rehm, A. Kippenberg and others in *American-German Review*, 16, No. 6 (Aug. 1950), 37-38.

Editorial work: Associate Editor, *American-German Review*.

Lectures: "Goethe's Relations with America and Americans", Delaware County Teachers Institute, Swarthmore, Pa. Same lecture before the German Society of Pennsylvania (in German), Philadelphia.

Vice President, Carl Schurz Memorial Foundation.

Director, German Society of Penna.

Member, Board of Overseers, Erstes Deutsches Reichswaisenhaus, Lehr, Germany.
Secretary, American Relief for Central Europe, Inc.
Chairman, Publicity Committee, Phila. Goethe Bicentennial Celebration, Oct. 1949.

POST, L. ARNOLD

Reviews: Review of Martin Johnson, *Art and Scientific Thought*, in *Crozer Quarterly*, 27, No. 1 (Jan. 1950), 81.
Editorial work: Editor: Loeb Classical Library.
 Philostratus, *Life of Apollonius*, revised, two volumes.
 Dio Chrysostom V
 Diodorus Siculus V
 Dionysius of Halicarnassus VII.
Lectures: Leader in Great Books Discussion of Plato, Apology, Crito, Republic, at the University Club.

REESE, WILLIAM H.

Articles: "Choral Music of the 16th Century", *Crescendo*, December, 1949.
Lectures: "Choral Music of the Sixteenth Century", before the American Guild of Organists.
Student in conducting class of Pierre Monteux, August, 1950.

REID, IRA DeA.

Articles: "Negro Movements and Messiahs, 1900-1949", *Phylon*, 10, No. 4 (4th Quarter, 1949), 362-369.
 "Minorities at Midcentury", *The Woman's Press*, 4, No. 2 (Feb. 1950), 5-6.
 "Leadership Selection in Urban Locality Areas", (co-author), *The Public Opinion Quarterly*, 14, No. 2 (Summer, 1950), 262-284.
 "The Socialization of the Negro in the American Social Order", Yearbook of the *Journal of Negro Education*, 19, No. 3 (Summer 1950), 253-260.
Editorial work: Assistant Editor, *American Sociological Review*.
Lectures: "Human Relations in the Americas", Penn State College; "The Courtship—Marriage Decision", Juniata College; "Deluded Minorities: The Test of Democracy", Oklahoma A. and M. College; "Crisis Clarity", Atlanta University; Moderator — Symposium on Contemporary America, Bennington College; Discussion on Leader, Friends General Conference, Cape May, N. J.
Member, Executive Committee, American Sociological Society.
Member, Federal Advisory Council, U. S. Department of Labor.
Member, Committee on Equality in Education, American Council on Education.
Member, Executive Board, Americans for Democratic Action.
Member, Budget Committee, Community Chest of Philadelphia.
Member, Research Committee, National Council of the YMCA.
Chairman, National Council on Agricultural Life and Labor.
Vice-Chairman, United Negro College Fund.
Director, Joint Survey Commission on the Training of Negro Baptist Ministers.

ROCHE, JOHN P.

Books: *The Early Development of United States Citizenship*, Ithaca, N. Y.: Cornell University Press, 1949, 28 pp. (Cornell studies in American History, Literature and Culture.)

Articles: "Pre-Statutory Denaturalization", *Cornell Law Quarterly*, 35, No. 1 (Fall 1949), 120-137.

Reviews: Spitz, *Patterns of Anti-Democratic Thought*, in *Cornell Law Quarterly*, 35, No. 1 (Fall 1949), 247-249.

Ernst & Loth, *The People Know Best*, in *Social Education*, Nov. 1949.

Cole, *World in Transition*, in *The New Leader*, Sept. 17, 1949.

Bradley, *No Place to Hide*, in *Social Education*, Oct. 1949.

Goldstein, *The Stars Bear Witness*, in *The New Leader*, Sept. 3, 1949.

Greer, *American Social Reform Movements*, in *Social Education*, Feb. 1950.

Brucker, *Freedom of Information*, in *The New Leader*, Dec. 31, 1949.

Lectures: "Political Controls versus Public Ownership", Panel Discussion with others on "Democratic Controls in the Welfare State", League for Industrial Democracy Annual Conference.

Member of Religious Education Committee, Friends General Conference.

Member of Board of Directors, League for Industrial Democracy.

Member of Faculty, Junior Conference, Friends General Conference, Cape May, N. J.

ROSENSTOCK, IRWIN M.

Lectures: "The Parent Child Interaction", Bryn Mawr Home and School Group; The same lecture given before Rosemont P.T.A.; "Perceptual Aspects of Repression", American Psychological Association, State College.

Consultant, Institute for Research in Human Relations.

Associate for Summer "Sensory Aid Study", Haverford.

SARGENT, RALPH M.

Lectures: "Flora of the Western Mountains," Philadelphia Botanical Club, Academy of Natural Sciences; "Central Aims of Education," Wynnewood P.T.A.

Examiner in English, Swarthmore College, June 1950.

Trustee, Highlands Biological Station, Highlands, N. C.

Board of Visitors, Union College, Schenectady, N. Y.

SNYDER, EDWARD D.

Reviews: Pollard, *John Greenleaf Whittier*, in *Bulletin of Friends Historical Association*, 39, No. 1 (Spring 1950), 47-48.

Editorial work: Editorial Consultant, *Publications of the Modern Language Association of America*.

Organizer and Director of the Edgar Allan Poe Centennial at Haverford College, Dec. 7-14, 1949.

SOMERS, HERMAN M.

Books: *Presidential Agency: The Office of War Mobilization and Reconversion*, Cambridge, Mass.: Harvard University Press, 1950, 234 pp.

Lectures: "The Role of Private Associations in the Welfare State," Pinewoods Institute, Plymouth, Mass.; "The Economics of the Welfare State," Harvard University Forum; "The Pension Problem in Industry and Government," Haverford Club of Delaware; "Politics and Education," Spring Day, Haverford College; "The Medical Care Issue," Jewish War Veterans, Trenton; "The Legislative Process in Social Security," Swarthmore College; "Structure and Process in American Political Parties," School for Politics, Americans for Democratic Action; "Re-

lationship of Federal Social Security Legislation to Health, Welfare and Pension Programs of Unions," Labor Education Association of Greater Phila.; "The Significance of the Hoover Commission Reports," Social Science Teachers of Chester County; "The Chiropracist and Health Insurance," New Jersey Chiropracist Society; "The Hoover Commission Report on the Executive Office of the President," Annual Meeting, American Political Science Association; "The Economics of Health," Community College, Temple University.

Visiting Associate Professor of Government, Summer School, Harvard University, 1950.
Consultant, Office of Social Security Commissioner, Federal Security Agency, 1949.

STEER, ALFRED G., JR.

Lectures: "Goethe's Meisterroman," German Society of Pennsylvania.

STEERE, DOUGLAS V.

Books: *Great Expressions of Human Rights*, Chapter 5, edited by Robert MacIver, New York: Harper & Bros., 1950.

Articles: Biographical introduction to Rufus Jones, *Le Dynamisme de la Foi*, Geneve, 1949, pp. 7-11.

Reviews: Allen Wotts, *Behold the Spirit*, *Journal of Religion*, Autumn, 1950.

Lectures: Easter Lectures, Bexley Hall (Kenyon College); Rufus Jones Memorial Lecture, Penn State College; Carey Memorial Lecture (Baltimore Yearly Meeting), University of Minnesota; St. Thomas College; Macalester College, Wabash College, Oberlin Collge.

Preaching and Commencements: Union College, Skidmore College, Episcopal Theological Seminary, Alexandria, Va.; Connecticut College, Lincoln School, Lawrence College, Princeton University, Laymen's Movement of New York City, Antioch College, Cornell University.

Member National Commission of Christian Scholars on Atomic Warfare.

Director of Summer School, Pendle Hill, 1950.

A.F.S.C. Mission to Germany and Scandinavia, July to January, 1950-1951.

STREET, JAMES H.

Books: Editor, *Ideas and Issues in the Social Sciences: A Supplementary Source Book for Social Science* 11-12, Vol. 1. Haverford: Haverford College, 1950, 83 pp.

Reviews: Gold, *Wartime Economic Planning in Agriculture; A Study in the Allocation of Resources*, in *Am. Econ. Rev.*, 40, No. 4 (Sept. 1950), 705-6.

Lectures: "'Point Four' and American World Leadership," Delaware County Federation of Women's Clubs.

SUTTON, RICHARD M.

Books: *College Physics*, 3rd edition, Boston: D. C. Heath & Co., 1950, 657 pp. (in collaboration with D. A. Keys).

Articles: "The Tools of the Physics Teacher," *Physics Today*, 3, No. 1 (1950), 20-24.

Editorial work: Physics editor for D. C. Heath & Co., Boston.

Lectures: Demonstration Lectures in Physics, Penn State College; Penn Charter School; Nether Providence High School, University of Pittsburgh, Westtown School. Television (with demonstrations), Philadelphia School Board, WFIL-TV and WPTZ-TV. Assembly program, Guilford College; Pocono Manor and Cape May Young Friends General Conference.

Preaching Engagements: Pocono Manor and Springfield Friends Meeting, High Point, N. C.

Graduate Record Examination, Committee on Physics.

Member of Science and Arts Committee, Franklin Institute.

Chairman, Westtown School General Committee.

SWAN, ALFRED J.

Books: *Into A Child's Album* (4 pieces for piano), New York: Independent Music Publishers.

Lectures: "The Sources of Russian Church Singing," London, England, March 21, 1950.

Demonstration of Haverford Album of Liturgical Music, with comments on singing in unison and in harmony, Vatican College of Music, Collegium Russicum, Rome, May 27, 1950.

"Harmonizations of the old chant," London, England, Sept. 3, 1950.

TEAF, HOWARD M., JR.

Reviews: Burtchett and Hicks, *Corporation Finance*, in *The Annals of The Amer. Acad. of Pol. and Soc. Science*, 266 (Nov. 1949), 203-4.

Lectures: "Friends and the Social Order—Industrial Relations," American Friends Service Comm.—General Meeting; "The Finest Small College in America," Ardmore Rotary Club; "Can Organized Labor Stand Adversity?" Haverford Club of Wilmington; "Haverford and the Liberal Arts," Haverford Club of Phila., and Haverford Society of Maryland at Baltimore; "What the Influence of the Church Should Be in Industrial Stress and Industrial Progress," First Baptist Church of Philadelphia; "Labor and Industrial Relations Policy in a Free Society," Muhlenberg-Allentown Conference, Joint Council on Economic Education.

Chairman, Area Planning Committee, Health and Welfare Council of Phila.

Chairman, Scandinavian Subcommittee, American Friends Service Committee.

Vice President, University of Pennsylvania Christian Association.

Member, Board of Directors, Main Line "School Night" Association.

Vice President, Phila. Chapter, American Statistical Association.

Member, Fourth Educators Conference on Employee Relations, Standard Oil Company of New Jersey.

Labor Arbitrations.

WARREN, RICHARD

Lectures: "Six Modern Playwrights," Cape Cod Library Conference, Hyannis, Massachusetts.

WHITE, GILBERT F.

Books: Chairman of working party preparing *The United States and the Soviet Union: Some Quaker Proposals for Peace*. New Haven: Yale University Press, 1949. 40 pp.

Articles: "Reorganization of Federal Agencies for Natural Resources Development," *Journ. Am. Water Works Assoc.*, 42, No. 7 (July, 1950), 611-614.

"National Executive Organization for Water Resources," *Am. Pol. Sci. Rev.*, (Sept. 1950).

"The Theory of the Benefit-Cost Ratio: A Guide to Resources Development," (abstract), *Annals Association American Geographers*, 40, No. 2 (June, 1950), 199.

"The Integrated Development of River Basins: A Symposium on Public Policy," (Discussion leader), *Proceedings United Nations Scientific Conference on the Conservation and Utilization of Resources*, 1 (1950), 387-403.

"Which Road to Peace?", *The Churchman*, (Jan. 1, 1950), p. 8.

"Peace with Russia: Realism or Unrealism?" (with Wm. Henry Chamberlin and Malcolm Sharp), *University of Chicago Roundtable*, No. 619 (Jan. 1950), 16 pp.

Speaking Engagements: Brandywine Valley Association, Ardmore Rotary Club, Nobel Association, Geography Teachers of Pennsylvania, Friends Peace Committee, Friends Council on Education.

Vice-Chairman of the President's Water Resources Policy Commission.

Member of Board of Directors: American Friends Service Committee, Citizen's Council on City Planning, Lingnan University, Pendle Hill.

WYLIE, LAURENCE W.

President, Philadelphia Chapter, American Association of Teachers of French.

Associate Editor, *Symposium*.





