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*College Days in heavy-faced type.*
Calendar
1948-49

Registration of all new students .................................................. Sept. 20-21
Beginning of College year with Assembly, 9 a.m.;
  registration of returning students ......................................... Sept. 22
First semester classes begin 8 a.m. ............................................. Sept. 22
First quarter ends ................................................................. Nov. 13
Thanksgiving recess (Dates Inclusive) ....................................... 1 p.m. Nov. 24-28
Major Registration Cards for men in the fourth term must be filed by 4 p.m. Dec. 8
Christmas recess (dates inclusive) ............................................. 12 noon Dec. 18-Jan. 2
First semester classes in major subjects
  end for students taking comprehensives .................................. Jan. 15
Senior comprehensive examinations (dates inclusive) ..................... Jan. 19-22
First semester classes end ..................................................... Jan. 20
  All papers assigned must be turned in by 4 p.m.*
Mid-year examinations (dates inclusive) * ................................... Jan. 24-Feb. 5

Second semester classes begin 8 a.m. ......................................... Feb. 7
Applications for fellowships for the following year must be filed by ... March 1
Third quarter ends ........................................................................ Mar. 26
Spring recess (dates inclusive) ................................................... 12 noon Mar. 26-Apr. 3
Major Registration Cards for men in the fourth term must be filed by 4 p.m. Apr. 20
Manuscripts in competition for prizes must be filed by ................. 4 p.m. May 1
Second semester classes in major subjects end for students taking
  comprehensives ........................................................................ May 18
Senior Comprehensive examinations (dates inclusive) ................. May 23-26
Second semester classes end ..................................................... May 24
  All papers assigned must be turned in by 4 p.m.*
Final examinations (dates inclusive) * * ...................................... May 27-June 10
Commencement ........................................................................... June 11

*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 1948

HENRY C. EVANS.......................... 635 Manatawna Avenue, Philadelphia 28, Pa.
WILMOT R. JONES.......................... Alapocas Drive, Wilmington, Del.
RICHARD M. SUTTON.......................... 785 College Avenue, Haverford, Pa.

Term Expires 1949

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. CADDURY.......................... 225 South 15th Street, Philadelphia 2, Pa.
Board of Managers

Ex-officio as Officers of Corporation

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.

Term Expires 1948

CHARLES J. RHoads....................................................Ithan Road, Bryn Mawr, Pa.
EDWARD W. EVANS......................................................Awbury, Germantown, Philadelphia 44, Pa.
WILLIAM A. BATTEY..................................................605 Walnut Lane, Haverford, Pa.
DR. FREDERIC C. SHARPLESS...........................................Rosemont, Pa.
ALFRED BUSSELL.................................................................220 E. 36th Street, New York, N. Y.
JOHN A. SILVER.........................................................Tabor Road and E. Adams Avenue, Philadelphia 20, Pa.
WILLIAM B. BELL..........................................................Rockefeller Plaza, New York, N. Y.
CHARLES J. RHoads....................................................Ithan Road, Bryn Mawr, Pa.
WILLIAM A. BATTEY..................................................605 Walnut Lane, Haverford, Pa.
DR. FREDERIC C. SHARPLESS...........................................Rosemont, Pa.
ALFRED BUSSELL.................................................................220 E. 36th Street, New York, N. Y.
JOHN A. SILVER.........................................................Tabor Road and E. Adams Avenue, Philadelphia 20, Pa.
WILLIAM B. BELL..........................................................Rockefeller Plaza, New York, N. Y.

Term Expires 1949

FREDERICK H. STRAWBRIDGE...........................................801 Market Street, Philadelphia 7, Pa.
JONATHAN M. STEER.....................................................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...........................................1201 N. Calvert Street, Baltimore 2, Md.
ALEXANDER C. WOOD, JR.............................................325 Chestnut Street, Philadelphia 6, Pa.
HAROLD EVANS.........................................................1000 Provident Trust Building, Philadelphia 3, Pa.
M. 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.....................................................Bailey Building, Philadelphia 7, Pa.
J. COLVIN WRIGHT*.....................................................116 E. Penn Street, Bedford, Pa.
GARRETT S. HOAG.................................................................131 Glen Road, Wellesley Farms, Mass.
DR. JONATHAN E. RHoads.............................................4021 Pine Street, Philadelphia 4, Pa.

Faculty Representatives on Board of Managers

Term Expires 1949

JOHN W. FLIGHT...........................................................

Term Expires 1950

HARRY W. PFUND

Alternates, 1948-49: THOMAS E. DRAKE and CLETUS O. OAKLEY

OFFICERS

Chairman of Board

DR. S. EMLEN 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. Emlen Stokes, Chairman
Thomas W. Elkinton
Edward W. Evans
John F. Gummere
Wilmot R. Jones
Morris E. Leeds

Paul V. R. Miller
J. Henry Scattergood
Frederic C. Sharpless
Jonathan M. Steere
W. Nelson West, III
Alexander C. Wood, Jr.

Committee on Finance and Investments

Jonathan M. Steere, Chairman
M. Albert Linton
William M. Maier

Charles S. Ristine
J. Henry Scattergood
Alexander C. Wood, Jr.

Committee on College Property and Farm

William A. Battey, Chairman
Thomas W. Elkinton
Henry C. Evans

John A. Silver
Frederick H. Strawbridge
Edward W. Woolman

Committee on Honorary Degrees

Henry M. Thomas, Jr., Chairman
William W. Comfort
Harold Evans

Morris E. Leeds
M. Albert Linton
Stanley R. Yarnall

Library Committee

Alexander C. Wood, Jr., Chairman
William W. Comfort

Wilmot R. Jones

Counsel

MacCoy, Brittain, 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 D.D., Harvard University;
Litt.D., University of Pennsylvania; LL.D., University of Maryland and Lake
Forest College.

†RUFUS MATTHEW JONES.........T. Wistar Brown Professor of Philosophy, Emeritus
A.B., A.M. and LL.D., Haverford College; A.M. and D.D., Harvard University;
Litt.D., Penn College; LL.D., Swarthmore College, Earlham College, and Wil-
liams College; D.Theol., University of Marburg; D.D., Yale University;
D.Litt.Hum., Colgate University; S.T.D., Colby College and Columbia Univer-
sity; H.Litt.D., Jewish Institute of Religion.

LEGH WILBUR REID............................................Professor of Mathematics, Emeritus
S.B., Virginia Military Institute; A.B., Johns Hopkins University; S.M., Prince-
ton 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

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.

(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
A.B. and L.H.D., Bowdoin College; Professor of English Constitutional History
A.M. and Ph.D., Harvard University.

*FRANK DEKKER WATSON........................Professor of Sociology and Social Work
S.B. in Economics and Ph.D., University of Pennsylvania.

*DEAN PUTNAM LOCKWOOD........................Professor of Latin
A.B., A.M., and Ph.D., Harvard University.

WILLIAM BUELL MELDRUM......................John Farnam Professor of Chemistry
A.B. 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.

* Absent on leave, 1948-49.
† Absent on leave, second semester, 1948-49.
‡ Deceased.
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 ODIA OAKLEY .......................................... Professor of Mathematics
S.B., University of Texas; S.M., Brown University; Ph.D., University of Illinois.

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 ALLENDORFER ......................... Professor of Mathematics
S.B., Haverford College; B.A. and M.A., Oxford University; Ph.D., Princeton University.

HOWARD MORRIS TEF, JR. ............................. Professor of Economics

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 ................................. Associate 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
Ph.D., University of Munich. appointment with Bryn Mawr College

WILLIAM EDWARD CADDUBY, 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.

*Absent on leave, 1948-49.
Fillmore Hargrave Sanford .................. Associate Professor of Biology
A.B., Richmond University; A.M., 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.

Howard Knickerbocker Henry .................. Assistant Professor of Biology
S.B., University of Pennsylvania.

Theodore Brinton Hetzel ...................... Assistant Professor of Engineering
S.B., Haverford College; S.B. in M.E., University of Pennsylvania; M.S. and
Ph.D., Pennsylvania State College.

Alfred William Haddleton ..................... Assistant Professor of Physical Education

Laurence William Wylie ....................... Assistant Professor of Romance Languages
A.B. and A.M., University of Indiana; Ph.D., Brown University.

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.

William Docherty ............................ Assistant Professor of Physical Education
S.B., Temple University and Assistant Director of Intercollegiate Athletics

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

John Elson Baer .............................. Assistant Professor of Chemistry
A.B., Swarthmore College; S.M., University of Pennsylvania.

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.

Arthur Byron Coble .......................... Visiting Professor of Mathematics
A.B., A.M., LL.D., Gettysburg College; Ph.D., Johns Hopkins University.

Paul Schrecker .............................. Visiting Professor of Philosophy
on joint appointment with Bryn Mawr and Swarthmore Colleges
LL.D., University of Vienna; Ph.D., University of Berlin.

Raymond Hiram Wilson, Jr ................... Visiting Assistant Professor of Astronomy
A.B., Swarthmore College; A.M. and Ph.D., University of Pennsylvania.

Herbert William Taylor ....................... Lecturer in Hygiene
A.B., Haverford College; M.D., University of Pennsylvania.
N. Foss, Lecturer in Philosophy L.L.D., University of Jena.

William Frederick Sollmann, Lecturer in Political Science

Marthe Charlotte Wengélius, Lecturer in French Agregé, University of Paris.


*John Otto Rantz, Instructor in Engineering Graduate of the Williamson Free School of Mechanical Trades.

Elisa Asensio, Instructor in Spanish on joint appointment with Swarthmore College

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.

Marvin Luther Brown, Jr., Instructor in History A.B., Haverford College; A.M., University of Pennsylvania.

Marcel Marc Gutwirth, Instructor in French A.B., Columbia College; A.M., Columbia University.

Marvin L. Tomber, Instructor in Mathematics S.B., Notre Dame University.

Robert Martin Bruns, Instructor in Political Science A.B., Butler University; A.M., Ohio State University.

Francesco C. Carbone, Instructor in Painting and Sketching

Norman Barge Bramall, Assistant in Physical Education

Samuel Tucker Fox, III, Assistant in English

Norman Montgomery Wilson, Assistant in Engineering

William Heartt Reese, Director of Glee Club and Orchestra A.B., Amherst College; M.A., Columbia University; Ph.D., University of Berlin. on joint appointment with Bryn Mawr College

The Dean and the Comptroller are members of the Faculty.

*Absent on leave, 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 Cornelius 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. Florence B. Stulb ........................................ 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.


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 S.B., Simmons College.

Gertrude Mann Wonson ......................................... Admissions Office S.B., Simmons College.
Standing Committees of the Faculty and Administration

The President and the Vice-President are ex-officio members of all committees. The President, the three elected divisional representatives of the Faculty, the Vice-President 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 1948-49 are Messrs. Drake (Social Science), Jones (Natural Sciences), and Pfund (Humanities).

**ACADEMIC STANDING:** Mr. Benham, *Chairman.*
Messrs. Benfey, Docherty, Pepinsky, Snyder.

**ADMISSIONS:** Mr. MacIntosh, *Chairman.*
Messrs. Haddleton, Jones, Reid, Steer.

**CURRICULUM AND COLLEGE PROGRAM:** Mr. Teaf, *Chairman.*
Messrs. Hoag, Oakley, Sanford, Street, Wylie.

**FELLOWSHIPS AND PRIZES:** Mr. Herndon, *Chairman.*
Messrs. Ashmead, Foss, Holmes, Sutton.

**GRADUATE STUDENTS:** Mr. Flight, *Chairman.*
Messrs. Comfort, Dunn, Meldrum, Reid, Steere.

**LIBRARY:** Mr. Lester, *Chairman.*
Messrs. Asensio, Drake, Henry, Kelly, Post, Sargent, Somers.

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

**PREMEDICAL EDUCATION:** Mr. Cadbury, *Chairman.*
Messrs. Dunn, Henry, Meade, Taylor.

**STUDENT AFFAIRS:** Mr. Randall, *Chairman.*
Mrs. Asensio, Miss deGraaff; Messrs. Hoag, Hunter, Thomsen.
THE COLLEGE PROGRAM
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 $1,500,000. 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 either Program 2 or 3 of 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.

* 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.
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 of a foreign language. Cases involving divergence from the requirement 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.

Veterans who have not previously attended Haverford may be required to take the Special Aptitude Test for Veterans given by the College. Information about this test may be obtained from the Admissions Office. Academic credit for courses taken elsewhere will be considered on an individual basis.

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 1948-1949:

<table>
<thead>
<tr>
<th>Date</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday, January 15, 1949</td>
<td>Saturday, June 4, 1949</td>
</tr>
<tr>
<td>Saturday, April 9, 1949</td>
<td>Wednesday, August 24, 1949</td>
</tr>
</tbody>
</table>

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

Program 1

8:45 A. M.—Scholastic Aptitude Test (Verbal and Mathematical Aptitude Sections), composed of 2/3 verbal aptitude material and 1/3 mathematical aptitude material. Mathematical aptitude section based on arithmetic plus the rudiments of algebra and geometry (three hours).

Program 2

8:45 A. M.—Scholastic Aptitude Test (Verbal Section) and Intermediate Mathematics Test, composed of 1/2 verbal apti-
tude material and $\frac{1}{2}$ mathematics achievement material. Verbal aptitude section same as for the Scholastic Aptitude Test, but shorter. Mathematics achievement section (Intermediate Mathematics Test) based on $2\frac{1}{2}$ to 3 years of secondary school mathematics, including 1 year of plane geometry and $1\frac{1}{2}$ or 2 years of algebra (three hours).

Program 3

8:45 A. M.—Scholastic Aptitude Test (Verbal Section) and Comprehensive Mathematics Test, composed of $\frac{1}{3}$ verbal aptitude material and $\frac{2}{3}$ mathematics achievement material. Verbal aptitude section same as for the Scholastic Aptitude Test, but shorter. Mathematics achievement section (Comprehensive Mathematics Test) based on $3\frac{1}{2}$ to 4 years of secondary school mathematics, including 1 year of plane geometry, 2 years of algebra, and at least one semester of trigonometry, which is given more emphasis in the test than solid geometry (three hours).

1:45 P. M.—Achievement Tests—Not more than three of the following one-hour tests may be taken:

- English Composition
- Social Studies
- French Reading
- German Reading
- Latin Reading
- Spanish Reading
- Biology
- Chemistry
- Physics
- Spatial Relations

In addition, at the April, 1949, series only, Achievement Tests in Greek Reading and Italian Reading will be offered, but only to those candidates who register in advance specifically for these tests.

The schedule permits a candidate to take only one of the three-hour morning programs.

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, P. O. Box 592, Princeton, New Jersey. Blank forms for this purpose will be sent to any teacher or candidate upon request. When ordering the forms, candidates should state whether they wish forms for the January, April, June, or August tests. Applications for any particular series will not be available until after the preceding series has been held. A copy of the Bulletin of Information is automatically sent to every candidate requesting an application blank.

Each application should be accompanied by the appropriate examination fee. A detailed schedule of fees follows:

One three-hour morning program and one, two, or three Achievement tests ........................................ $10.00
One three-hour morning program only ............................... 5.00
One, two, or three Achievement Tests when taken alone . 7.00

All applications and fees should reach the office of the Board not later than the dates specified in the following schedule:

<table>
<thead>
<tr>
<th>For examination centers located</th>
<th>January 1949</th>
<th>April 1949</th>
</tr>
</thead>
<tbody>
<tr>
<td>In the United States, Canada, Mexico, or the West Indies</td>
<td>December 25</td>
<td>March 19</td>
</tr>
<tr>
<td>Outside of the United States, Canada, Mexico or the West Indies</td>
<td>November 27</td>
<td>February 19</td>
</tr>
<tr>
<td>Belated applications will be subject to a penalty fee of three dollars in addition to the regular fee.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>For examination centers located</th>
<th>June 1949</th>
<th>August 1949</th>
</tr>
</thead>
<tbody>
<tr>
<td>In the United States, Canada, Mexico, or the West Indies</td>
<td>May 14</td>
<td>August 3</td>
</tr>
<tr>
<td>Outside of the United States, Canada, Mexico or the West Indies</td>
<td>April 16</td>
<td>June 6</td>
</tr>
<tr>
<td>Belated applications will be subject to a penalty fee of three dollars in addition to the regular fee.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 the Board office 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 office 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 rooms in the order in which applications for admission are received. 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 willfully 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. 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 1948-1949, together with supporting letters from parents or guardians, should be in the hands of the Vice-President before Monday, April 11, 1949.

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 fulfilment 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 circumstances the income may be utilized to assist those working for a postgraduate degree at Haverford College.

XXII. **Joseph L. Markley Memorial Scholarship.**—One scholarship, normally of the annual value of $200, 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 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.

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:

<table>
<thead>
<tr>
<th>Required</th>
<th>2</th>
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</thead>
<tbody>
<tr>
<td>Limited Electives (either two or four in Foreign Languages—see below)</td>
<td>14 or 16</td>
</tr>
<tr>
<td>Major Concentration (maximum)</td>
<td>12</td>
</tr>
<tr>
<td>Free Electives</td>
<td>10 or 12</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>40</strong></td>
</tr>
</tbody>
</table>

The award of Honors for work toward the Bachelors' degree is described on pages 115, 116.
Required Courses

Two semester-courses in English are required of all Freshmen. Three terms of Physical Education or of non-academic subjects are required of all Freshmen, Sophomores, and Juniors. These courses are in addition to the forty semester-courses required for a degree.

Limited Electives

To ensure breadth of distribution, every student is required to pass a certain number of courses, as indicated, in each of three 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 semesters as follows:

(a) Two from Biblical Literature 12, 23, Humanities 21-22, and Philosophy 11, 12, 21-22, 32.

(b) Two from the following list:

- Biblical Literature 11, 13, 22.
- French 23, 24, 25, 27, 28.
- German 21-22, 31, 32, 35, 36, 37 or 38.
- Greek 11-12, 21-22, 29.
- History of Art 21-22.
- Music 11, 12, 21, 22.
- Philosophy 23, 24, 26.
- Spanish 21-22, 31, 32.
3. NATURAL SCIENCES: The requirement may be met by passing two semesters in each of two of the following groups:

(a) Biological Science 11; and Biology 12 or 14.
   Psychology 21-22.
(b) Chemistry 13, 14.
   Physical Science 11-12.
   Physics 13-14.
(c) Astronomy 11-12.
   Mathematics 13-14.

4. SOCIAL SCIENCES: The requirement may be met by passing four semesters from the list below, selected from at least two departments:

   Economics 21-22.
   Political Science 23, 24, 51-52.
   History 11-12, 21-22, 23-24, 25-26, 27, 28, 30, 31-32.
   Social Science 11-12.
   Sociology 21, 22, 31-32.

MAJOR CONCENTRATION

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

Definite requirements are stated under the name of each department on pages 51-98. During the fourth term 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 terms. Such a program must provide for the completion, by the end of the Senior year, of no fewer than six courses, at least three 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 term. 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

* “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.”
another after the beginning of his fifth term, 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 Major examination, any Senior may omit, with the consent of his Major Supervisor, one non-Major half-year course in the second half-year. The time thus taken for preparation for the Major 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.

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.
Freshman Program

Although the Faculty Advisor 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 and courses in History, Mathematics, and the Natural and Social Sciences, but not more than one in each of these three areas.

The courses open to Freshmen, in addition to the required work in English 11 and English 12, and in Physical Education, are:

Descriptive Astronomy (Astronomy 11-12)
Introduction to the Old and New Testaments (Biblical Literature 11)
The Rise of Christianity (Biblical Literature 21)
General Principles of Biological Science (Biological Science 11)
Zoology (Biology 12)
Botany (Biology 14)
Principles of Inorganic Chemistry (Chemistry 13)
Qualitative Analysis (Chemistry 14)
Principles of Engineering Drawing and Shop Methods (Engineering 11)
Engineering Drawing, Orientation, Surveying, and Shop Methods (Engineering 12)
Elementary French (French 11-12)
Intermediate French (French 13-14)
Introduction to French Civilization (French 15-16)
Elementary German (German 11-12)
Intermediate German (German 13-14)
Advanced German (German 15-16)
Social Science General Course (Social Science 11-12)
Elementary Greek (Greek 11-12)
Intermediate Greek (Greek 21, 22)
Advanced Greek (Greek 31, 32)
English History (History 11-12)
Introduction to the History of Art (History of Art 11-12)
Latin Literature (Latin 13-14, 15, 16)
Freshman Mathematics (Mathematics 13-14)
Foundations of Music (Music 11, 12)
Introduction to Philosophy (Philosophy 11)
Ethics (Philosophy 12)
General Principles of Physical Science (Physical Science 11-12)
General Physics (Physics 13-14)
Elementary Spanish (Spanish 11-12)
Intermediate Spanish (Spanish 13-14)
Introduction to Hispanic Civilization (Spanish 15-16)

In special cases, with the consent of the Dean, Freshmen may be admitted to certain other 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.
Sophomore, Junior, and Senior Programs

Unless otherwise specified, all courses offered in any term are open to Sophomores, Juniors, and Seniors.

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, upon which more specialized training may later be built.

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 doctors 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 about 8 full-year 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 and 14, or Physical Science 11-12, Chemistry 21 and 22, Chemistry 23, 25, 26, and 28, Mathematics 13-14, Physics 13-14, German 13-14, French 13-14, or Spanish 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 premedical aptitude test, conducted by the Graduate Record Office 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 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 in their last semester in college. 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 preceding plan 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 term mark in any course is allowed a special examination in September following the failure, immediately before the opening of College. Seniors who receive 50 to 59 in any course at midyears are permitted to take the special examination immediately after spring vacation. A Senior who receives such a grade in the final examinations in June is permitted to take the special examination during Commencement Week. This arrangement does not apply to the Major Comprehensive Examination (see page 36).

* Effective September 1, 1949.
These examinations, known as make-up examinations, are scheduled only upon written request by the student and on the payment of the fee of $5.00 for each examination. The request and the fee must be received by August 2, 1948. Late applicants are subject to an additional fee of $5.00. A student who achieves a grade below 50 is not permitted to take a make-up examination in that course.

A student with 50 or below as his term grade, or with 50-59 as his term 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 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.
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 to be offered in September, 1948, for the first time. The problem of major concentration is at present under study.

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 and evaluative 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.

* 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.
A minimum of one year's residence is required, and a candidate, if 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. 26-28.
COURSES OF INSTRUCTION
COURSE NUMBERING

The numbering system used in this catalogue 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, 51, 52, and 100.
Four courses to be chosen from Mathematics 21-22, 31, 61, 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. Wilson.

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.

Not offered 1948-49.

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.

Not offered 1948-49.

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 61, Physics 21, and Astronomy 31; Senior standing. Semester course.

Not offered 1948-49.
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.

52
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.
   Not offered in 1948-49. To be offered in 1949-50.

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.
   Not offered in 1948-49.

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 1948-49 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 1948-49 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. 72.)

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. 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.

23-24. 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 in 1948-49; not to be offered in 1949-50.

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. Offered in 1948-49; not to be offered in 1949-50.

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. Not offered in 1948-49; to be offered in 1949-50.

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.* Required of all candidates for Honors in Biology. Open only by permission of the instructor.

**Vertebrate Zoology. Mr. Dunn.**
Classification and evolution of vertebrate groups.

**Advanced Morphology. Mr. Dunn.**
Study of morphological problems in animals.

**Ecology and Distribution. Mr. Dunn and Mr. Henry.**
Problems of habitat relationships or distributional relationships of plants and/or animals.

**Advanced Botany. Mr. Henry.**
Studies in comparative anatomy of plants.

**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 and in daily living.

Men who intend to undertake graduate study in chemistry should complete the chemistry courses for the Major (see below) together with courses 44 and 45, and also 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. For the courses in chemistry required for pre-medical preparation, see page 41.

Students whose scholastic record prior to entrance indicates a satisfactory proficiency in elementary chemistry may enter the more ad-
vanced course, Chemistry 13, directly from high school. All others desiring work in chemistry must first pass Physical Science 11-12. Chemistry 14 may be elected following course 13, and Chemistry 21 and 22 following Physical Science 11-12. Chemistry 14 or 22 is prerequisite to more advanced courses in chemistry.

MAJOR REQUIREMENTS

Chemistry 13 and 14 (or their equivalent), 23, 25, 26, 28 (or 31, 32, 63), and 100.

Physics 13-14, and two 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 must 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.

13. PRINCIPLES OF INORGANIC CHEMISTRY—Four hours. Three class periods and one laboratory period a week. Mr. Jones, Mr. Cadbury, and Assistants.

Elective for those who have had high school chemistry. Lectures dealing with the fundamental laws and theories of chemistry, the periodic arrangement and properties of the elements, solutions of nonelectrolytes and electrolytes, spectrum analysis, radioactivity, atomic numbers, isotopes, and the theories of atomic and molecular structure and their application in representing chemical reactions. The laboratory work includes elementary analytical tests for inorganic ions. Prerequisite: High school chemistry. Semester course.

Offered annually.

14. QUALITATIVE ANALYSIS—Four hours. Two class periods and two laboratory periods a week. Mr. Meldrum, Mr. Cadbury, and Assistants.

Lectures and recitations dealing with reaction kinetics and the application of the ionic theory to analytical processes and to electrolytic phenomena. The systematic qualitative analysis of inorganic materials using the semimicro method constitutes the laboratory work. Prerequisite: Chemistry 13. Semester course.

Offered annually.

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

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. Offered annually.

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

23. QUANTITATIVE ANALYSIS—Four hours. Two class periods and two laboratory periods a week. Mr. Meldrum and Mr. Benfey.
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—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. Year course. 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 discussed 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. Year course. The first semester may be taken alone for credit.

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. 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 SYNTHESIS—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. Special syntheses constitute the laboratory work. Prerequisite: Chemistry 26 and 63; Senior standing or consent of the instructor. Semester course.

Offered annually.

65. QUANTITATIVE ANALYTICAL METHODS—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 23, 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 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.

Sociology 21, and three other half-year courses in supporting fields, as approved by the professors concerned.

A seven-hour comprehensive examination covering a review of the Major courses and the readings. A part of the comprehensive examination may be oral.
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: Sophomore standing. 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. Such problems as monetary standards, price movements and their effects, foreign exchange, commercial banking and central banking, and the Federal Reserve System are considered. Prerequisite: Economics 21-22. Semester course. Offered annually.

32. INTERNATIONAL ECONOMICS—Three periods a week. Mr. Street.
A study of foreign trade and exchange, international payments and trade problems connected therewith, money and banking in their international aspects, and international indebtedness. 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. Hunter.
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. 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 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. Teaf.
(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 legis-
lation, 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; problems of location of industry, agriculture, and
transport; theory and practice of a planned economy. Prerequisite: Economics
21-22. Semester course.
Not offered in 1948-49; to be offered in 1949-50.

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 sig-
nificance of investment in the modern economy; the effects of governmental
policy upon income distribution. Intended primarily for Economics Majors, but
open also to qualified students from other departments. Prerequisite: Eco-
nomics 31; Senior standing. Seminar. Semester course.
Offered annually.

62. SEMINAR IN ECONOMIC PROBLEMS—*Three hours a week.*
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.
Mr. Street.

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 Majors only.
Semester course.
Offered annually, if required.

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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, 23, 31, 32, 33, 34 and 100; Mathematics 21-22, Physics 13-14, and either two half-year courses in Chemistry, or Physical Science 11-12 and one half-year course in Chemistry.

Engineering seminar (a two year, non-credit course) and comprehensive examination.

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.


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. Pre-requisite: 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 Headley, Problems in Kinematics. 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.

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

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. 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
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*.

ENGLISH LANGUAGE AND LITERATURE

The Department believes it essential to insure that all undergraduates
should be able to use the English language efficiently. Freshmen, there-
fore, 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.

It believes, finally, that courses must be provided for students who
intend to specialize in English, and perhaps do graduate work in liter-
ature or related fields. It offers, therefore, advanced courses designed
both in content and method to supplement the elementary and inter-
mediate 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 appro-
priate consultation.

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. Stu-
dents who contemplate graduate study 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.

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11. COMPOSITION, METHODS, AND PUBLIC SPEAKING—*Four periods a week.* Mr. Lester, Mr. Ashmead, Mr. Snyder, and Mr. Fox.
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.
Prerequisite: *English 12; Sophomore standing.* Semester course.
Not offered in 1948-49; to be offered in 1949-50.

26. INTERMEDIATE COMPOSITION AND ORAL DISCUSSION—*Three periods a week.* Mr. Hoag.
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.
Offered in 1948-49 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 ENGLISH 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.
   Practice in writing imaginative literature. Chiefly confined to prose fiction.
   Regular assignments, class discussion, and personal conferences. Prerequisite: English 11 or 26; Junior standing. Limited to twelve students. Semester course.
   Offered annually.

39. CHAUCER—*Three periods a week. Mr. Hoag.
   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.
   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.

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. Three papers will be required of each student. 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.

210a. PLAYWRITING AND PRODUCTION (Given at Bryn Mawr College)—*Three hours a week*. Mr. Thon.
Writing of an adaptation and an original one-act play. Production of selected scripts and training in theatre arts. Not open to Freshmen. Semester course.
Offered annually.

210b. ADVANCED PLAYWRITING AND PRODUCTION (Given at Bryn Mawr College)—*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. Pfund and Mr. Wylie.
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.

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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 PRINCIPLES OF PHYSICAL SCIENCE—*Four hours. Three class periods and one laboratory period a week.*

Mr. Sutton and Mr. Cadbury.

An integrated course on topics from physics, chemistry, and astronomy. The aim of this course is to give to both the science and the non-science student a broad understanding of some of the basic principles upon which all physical science is built. The selection of subject matter has been made with a view to thorough treatment of a few important ideas rather than to a superficial treatment of many. Year course.

Offered annually.

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

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 hours 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: Biology 16b or Economics 22 or Sociology 33. Semester course.

Offered in 1948-49 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 distinguished authors. The courses in literature are open to Juniors and Seniors, and to especially well qualified Sophomores.

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, 37, 38, 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*—Five 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.

* This course meets five times a week, with corresponding reduction in outside preparation; three hours credit.
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.
Not offered in 1948-49; to be offered in 1949-50.

32. THE GERMAN DRAMA OF THE NINETEENTH CENTURY—Three periods a week. Mr. Kelly.
Semester course.
Not offered in 1948-49; to be offered in 1949-50.

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 1948-49 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 1948-49 and alternate years.

37 or 38. SEMINAR COURSES—Three hours a week.
Prerequisite: At least one year 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 second semester 1948-49.
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.
GERMAN LYRIC POETRY—Mr. Pfund.

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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.

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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 of the 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.

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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 and Mr. Brown.

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 and Mr. Brown.

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 1948-49 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.

Offered in 1948-49 and alternate years.

28. ROMAN HISTORY—Three periods a week. Mr. Comfort.

A survey of Roman history to the time of Constantine. Frequent class reports on special topics. A knowledge of Latin is not required. Not open to Freshmen. Semester course.

Not offered in 1948-49.

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.

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

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 1948-49 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.

In cooperation with the Department, the Undergraduate Art Club at Bryn Mawr offers studio practice and instruction in creative art. The studio is open to all interested students several afternoons a week throughout the year. There is no tuition fee and academic credit is not granted for this work.

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 will be given at Bryn Mawr College during 1948-49:

201. EARLY ITALIAN ART—Three periods a week. Mrs. Levy.
   a) Architecture, painting, and sculpture from the 13th century to the high Renaissance.

202. LATER ITALIAN ART—Three periods a week. Mr. Bernheimer.
   b) From the High Renaissance to the 18th Century with some consideration of Italian influences on the baroque arts of Spain and Germany.

203a. EARLY MEDIEVAL ART—Three periods a week. Mr. Soper.
   From the Early Christian period to the Romanesque.

203b. ROMANESQUE AND GOTHIC ART—Three periods a week. Mr. Bernheimer.
   The arts of the early and high Middle Ages.

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.

302. MODERN ART—Three periods a week. Mrs. Levy 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.
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 provides 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 22 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, and Latin 100. The Latin Department reserves the right to exclude Latin 11-12, 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.

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

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.

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.
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, and philosophy.

Freshman Mathematics is designed to provide that background of trigonometry, algebra, analytic geometry, and elementary calculus which is essential for any serious student of the natural and social sciences and which is culturally desirable for all.

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, 61, 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, 36, 61, 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.

13-14. FRESHMAN MATHEMATICS—Four periods a week. Mr. Oakley, Mr. Thomsen, Mr. Tomber and Mr. Wilson.

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. Coble 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. 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. Coble.
   Advanced topics in the theory of equations; introduction to modern abstract algebra. Prerequisite: Mathematics 21-22. Semester course.
   Offered 1948-49; not to be offered 1949-50.

34. VECTORS AND MATRICES—Three periods a week. Mr. Coble.
   The algebra of vectors, vector spaces, and matrices, with applications to mathematical physics. Prerequisite: Mathematics 21-22, 33. Semester course.
   Offered 1948-49; not to be offered 1949-50.

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.
   Not offered 1948-49; to be offered 1949-50.

36. PROJECTIVE GEOMETRY—Three periods a week. Mr. Allendoerfer.
   Projective geometry based on the axiomatic method. Synthetic and analytic aspects are considered. Introduction to non-Euclidean Geometry. Prerequisite: Mathematics 21-22, 35. Semester course.
   Not offered 1948-49; to be offered 1949-50.

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.
   Not offered 1948-49; to be offered 1949-50.
61. PARTIAL DIFFERENTIAL EQUATIONS AND FOURIER SERIES—
Three periods a week. Mr. Oakley.
Fourier Series and orthogonal polynomials with many applications to chemistry, engineering, and physics. Prerequisite: Mathematics 31, 32. Semester course.
Offered annually.

81 or 82. SPECIAL TOPICS—Three hours a week. Mr. Oakley and Mr. Thomsen.
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.

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 taken Music 11, 12 or 13, 14 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. Besseler, Die Musik des Mittelalters und der Renaissance. Medtner, The Muse and the Fashion. Glebov, Russian Music. Semester course.

Offered in 1948-49.

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, 100, and four other half-year courses in Philosophy; Psychology 21-22.

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, or psychology.

11. INTRODUCTION TO PHILOSOPHY—Three periods a week. Mr. Steere and Mr. Foss.

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.

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.
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; Theresa of Avila, Autobiography; Francis de Sales, Introduction to the
Devout Life; Lancelot Andrewes, Preces Privatae; Pascal, Thoughts; Isaac
Pennington, Letters; John Wesley, Journal; John Henry Newman, Apologia;
George Tyrell, Autobiography. Semester course.
Offered 1948-49 and alternate years.

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
religous 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 1948-49.

25. PHILOSOPHY OF SCIENCE—Three periods a week. Mr. Schrecker.
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 struc-
ture 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 1948-49; to be offered in 1949-50.

26. AESTHETICS—Three periods a week. Mr. Foss.
A study of the philosophical principles underlying the creative and apprecia-
tive aspects of art. Semester course.
Offered in 1948-49 and alternate years.

32. NINETEENTH CENTURY THINKERS—Three period 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
only, except by special arrangement. Limited to ten students. Year course.
Offered annually.

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

(Also called Political Science 65-66.)

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. 99), 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. 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, and Mr. 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, and Mr. 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 insight into the methods of experimental investigation.

All students of the Liberal Arts, 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 65, 66. The latter offers opportunity to conduct an extended individual investigation with training in the mastery of theory and experiment, and emphasis upon independence and the ability to express oneself clearly on the subject of investigation. Physics 65, 66 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 31, 32 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, 65, 66, and either 61, 62 or 22, constitute the minimum requirement of courses in this Department. In addition, Physics 21 and 32 are strongly recommended.

Mathematics 31, and three semesters among courses in Chemistry, Engineering, Astronomy, or additional Mathematics.

History of physics (collateral reading).

A written comprehensive examination in three parts: (a) on general physics and history; (b) two examinations on advanced courses. 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 65, 66, 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 69.)

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. Text: Mendenhall, Eve, Keys, and Sutton, College Physics. Year course.
Offered annually.

21. ATOMIC PHYSICS—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. OPTICS AND PHOTOGRAPHY—Three class periods a week and occasional laboratory periods. Mr. Sutton.
A study of the principles of physical optics followed by a systematic study of the photographic process. Laboratory work includes both measurements in optics and photographic dark-room manipulations. Prerequisite: Physical Science 11-12 or Physics 13-14. Semester course.
Not offered in 1948-49.

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: Synge and Griffith, Principles of Mechanics. Prerequisite: Physics 13-14 and Mathematics 31 (or Mathematics 31 may be taken concurrently); Junior or Senior standing. Semester course.

Not offered 1948-49. (Refer to Engineering 22.)

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, Kirchhoff'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. 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. Thomsen.

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 applications of circuit theory and in the handling of apparatus in which electronic tubes are used. Some industrial applications are studied. Prerequisite: Physics 31 or Engineering 25, 26. Year course, but students from other departments may take first semester only.

Offered annually.

65, 66. PHYSICS SEMINAR—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.

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 23, 24, 51-52, and three other semester-courses in Political Science.

Economics 21-22 and at least two other courses of one semester each in social sciences other than Political Science.

A seven-hour comprehensive examination covering the major fields of study. An oral examination may be substituted for any part of the comprehensive examination at the discretion of the Department.

Other selections of courses may be accepted by the Major Supervisor.

23. AMERICAN FEDERAL GOVERNMENT—Three periods a week. Mr. Bruns.

A study of the origin and structure of the American federal government system. Not open to Freshmen. Semester course.

Offered annually.
24. COMPARATIVE GOVERNMENT—*Three periods a week.* Mr. Bruns.
A philosophical and institutional analysis of foreign governments and political institutions with reference to contrasting ideologies, their determinants and implementation. Not open to Freshmen.
*Political Science* 23 and 24 are designed and recommended as a year course. It is, however, permissible to take either semester 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* 23. Semester course.
Offered annually.

32. 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. Semester course.
Not offered in 1948-49.

33. CONSTITUTIONAL LAW—*One three hour period a week.* Mr. Bruns.
A study of the American Constitution and its institutional development by the Supreme Court in accordance with the expanding political, social, and economic concepts of the United States. Prerequisite: *Political Science* 23. Semester course.
Offered annually.

34. SOCIAL SECURITY—*Three periods a week.* Mr. Somers.
(Also called *Economics* 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: Junior standing or consent of the instructor. Semester course.
Offered 1948-49 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, 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 or Economics 21-22*. Semester course.
Offered annually.

37-38. INTERNATIONAL POLITICS AND ORGANIZATION—*Three periods a week*.
The foreign policies of the Great Powers; their influence upon the development of international law and organization. An attempt to study how this relationship can be adjusted to secure a peaceful but dynamic world order. Prerequisite: *Political Science 24*. Year course.
Not offered in 1948-49.

39. GOVERNMENT AND BUSINESS. Mr. Teaf.
(See Economics 39.)

51-52. AMERICAN FOREIGN POLICY—*Three periods a week*. Mr. Sollmann.
A historical analysis of United States foreign policy followed by a critique of current American foreign relations with respect to the forces determining policy formulation, the factors influencing its development, and the impact of its implementation. Prerequisite: Junior standing. Year course.
Offered in 1948-49 and alternate years.

64. LAW IN THE SOCIAL ORDER—*Three hours a week*.
The interrelationship between the theory and practice of law and the social order within which it operates is examined philosophically, historically, and practically with a view to projecting the relationship in a universal society. Prerequisite: *Political Science 23, 24, and 33*. Limited to 12 students. Seminar. Semester course.

65-66. THE DEVELOPMENT OF POLITICAL THOUGHT. Mr. Steere.
(See Philosophy 65-66.)

81. SEMINAR IN AMERICAN POLITICAL THOUGHT AND INTERPRETATIONS—*Three hours a week*. Mr. Somers.
An approach to understanding the enduring significance of the American heritage through the study of distinguished political and social writings. Semester course.
Offered in 1948-1949.

82. SEMINAR IN POLITICAL ANALYSIS AND PUBLIC POLICY—*One three hour period a week*. Mr. Somers.
Advanced readings, research, and reports adjusted to the individual needs and special interests of students. Group conference method. Open only to Graduate students and Senior Majors in Political Science, or by permission of the instructor. Semester course.
Offered in 1949.
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 and Miss Zaretsky.
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 and Miss Zaretsky.
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 adjustment behavior, normal, neurotic, and psychotic; adjustments typical of different age levels; and adjustments influenced by counseling. Prerequisite: Psychology 21-22. Semester course.
Offered annually.
36. ADVANCED PSYCHOLOGY—Three periods a week. Mr. Steere.
A study of the nature and functioning of personality by an examination of
personality in difficulties. Both the forms of abnormal behavior and the
modern theories of psychotherapy will be studied. Lectures, class reports, and
occasional trips to clinics. Prerequisite: Psychology 21-22, and consent of the
instructor. Limited to twelve students. Semester course.
Offered in 1949-50 and alternate years.

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 and Miss Zaretsky.
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

The introductory courses are primarily language courses designed to
give a thorough knowledge of grammar and accuracy of pronunciation
as a basis for reading and conversation. The literature courses are
devoted primarily to the history of the literature and to the intensive
study of periods and authors. The courses in literature are open only to
Juniors and Seniors and to especially well qualified Sophomores. Excep-
tional opportunities for developing oral facility in French and Spanish
are afforded by residence in French House and Spanish House.

Admission of all 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, on a date to be announced.

Opportunity is given to students who complete French 11-12 or
French 13-14, 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 and reading.

French

Students who might profitably spend their Junior year in France are encouraged to apply for admission to the Sweet Briar Foreign Study Group.

MAJOR REQUIREMENTS

French 15-16, 24, 25, 27, 28, and 100.
Modern European History.
Supporting courses selected from the Latin, German, Spanish, and English languages and literatures; History of Art; Philosophy—to be arranged in individual conference.
A written and oral comprehensive examination on the language, literature, and history of France.

11-12. ELEMENTARY FRENCH—Three periods a week. Mr. Wylie and Mr. Gutwirth.
Grammar, pronunciation, and reading. Year course.
Offered annually.

13-14. INTERMEDIATE FRENCH*—Four periods a week. Mr. Wylie and Mrs. Wencélius.
Grammar, oral practice, and reading. Prerequisite: French 11-12 or the equivalent. Year course.
Offered annually.

15-16. INTRODUCTION TO FRENCH CIVILIZATION—Three periods a week. Mr. Wylie.
Geographic, cultural, and historical background of French literature; lectures, reading, discussion, and written reports. Prerequisite: French 13-14 or the equivalent. Year course.
Offered annually.

21-22. ADVANCED TRAINING IN THE FRENCH LANGUAGE AND LITERARY STYLE—Three periods a week.
Normal prerequisites are French 15-16 and a course in French literature, but exemption from the latter may be granted to well qualified students interested primarily in the language. Year course.
Not offered in 1948-49.

* This course normally meets four times a week, with corresponding reduction in outside preparation; three hours credit.
23. FRENCH LITERATURE THROUGH THE SIXTEENTH CENTURY—
   *Three periods a week.*
   Lectures with collateral reading and reports on the history of early French
   Not offered in 1948-49.

24. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY—*Three
   periods a week.* Mr. Gutwirth.
   Reading, reports, and discussion of the main currents of thought and the out-
   standing literary figures of the century. Prerequisite: French 15-16. Semester
   course.
   Offered in 1948-49 and alternate years.

25. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY—*Three
   periods a week.* Mr. Gutwirth.
   Reading, reports, and discussion of the main currents of thought and the out-
   standing literary figures of the century. Prerequisite: French 15-16. Semester
   course.
   Offered in 1948-49 and alternate years.

27. ROMANTICISM AND REALISM—*Three periods a week.* Mr. Wylie.
   Reading, reports, and discussion of the main currents of thought and the out-
   standing literary figures from 1800 to 1860. Prerequisite: French 15-16. Semester
   course.
   Offered in 1949-50 and alternate years.

28. MODERN FRENCH LITERATURE—*Three periods a week.* Mr. Wylie.
   From Baudelaire to Sartre. Prerequisite: French 15-16. Semester course.
   Offered in 1949-50 and alternate years.

Spanish

The courses offered in Spanish are designed to give the student a
thorough knowledge of the Spanish language, and of Spanish and
Spanish-American thought and culture. Elementary Spanish and Inter-
mediate 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 ele-
mentary courses are followed by a general course in Spanish literature,
as the basis for the more advanced courses covering special periods,
works, and authors in Spanish and Spanish-American literatures. Stu-
dents who have chosen Spanish as their Major subject are required to
take supporting courses selected from the Latin, French, Italian, and
English languages and literatures; from History of Art and from Philosophy.

Exceptional opportunity for oral expression in Spanish is afforded by residence in the Spanish House. Haverford College is experimenting in a project, in Mexico, in which, in addition to formal instruction in Spanish, students will participate in service sponsored by the American Friends Service Committee. Students majoring in Spanish are advised to join this project, or a summer school in any of the Spanish speaking countries.

MAJOR REQUIREMENTS

Four full-year courses, not counting Spanish 11-12 or 13-14; Spanish 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. Mr. Asensio and 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. ADVANCED SPANISH—Three periods a week. Mrs. Asensio.

Introduction to Hispanic civilization. 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 and alternate years.

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*—Five 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.

SOCIOLOGY

The courses in Sociology are designed primarily to help the student understand the web of social relationships in which he must function. As the “science of human relations,” sociology aims to throw light on the relationship of the individual to the group; of group to group; and of groups to the larger community in which they function.

The courses are given as a part of a program of liberal education; they are designed to meet the needs of men who would understand the pressing social problems of today.

MAJOR REQUIREMENTS

Five half-year courses in Sociology, and Sociology 100.
Six other half-year courses, or their equivalent, chosen in consultation with the Major Supervisor from the following: Biology 31-32, Psychology 21-22, Social...

* These courses meet five times a week, with corresponding reduction in outside preparation; three hours credit.
Science 11-12, Political Science 23, Economics 21-22, Mathematics 23, and courses in the Sociology Department of Bryn Mawr College, particularly Cultural Anthropology.

Additional selected readings covering a special field in sociology.

A four-hour comprehensive examination covering the field of sociology and related courses.

A three-hour examination, written or oral or both, covering a special field in sociology chosen by the student.

21. INTRODUCTORY SOCIOLOGY—Three periods a week. Mr. Reid.
   The fundamental principles and methods of sociology with special reference to the structure and dynamics of society, culture, and personality; how these socio-cultural systems emerge, function, and change. Prerequisite (after 1948-49): Social Science 11-12. Semester course.

   Offered annually.

22. SOCIAL INSTITUTIONS—Three periods a week. Mr. Reid.
   An analysis of the behavior of social institutions (church, school, family, sect, newspaper, etc.) as units of social organization and carriers of culture. In the course of study each student will analyze a specific institution. Prerequisite: Sociology 21. Semester course.

   Not offered in 1948-49.

31-32. HUMAN RELATIONS—Mr. Sanford.
   (See Psychology 31-32.)

33. POPULATION POLICIES AND PROBLEMS—One or two periods a week. Mr. Reid.
   A study of the restrictive, expansive, and eugenic characteristics of national population policies and problems, 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 or Economics 21-22. Semester course.

   Offered in 1948-49.

34. URBAN SOCIETY—Three periods a week. Mr. Reid.
   This course is designed to study metropolitan areas as ecological and social communities, and the spatial aspects of urban institutional structures as influenced by personal, technological, economic, and social factors. Prerequisite: Sociology 21. Semester course.

   Offered in 1948-49 and alternate years.

36. LABOR ECONOMICS AND LABOR RELATIONS—Mr. Teaf.
   (See Economics 36.)

82. SOCIAL INVESTIGATION—Two periods a week. Mr. Reid.
   The fundamental concepts, methods, and tools of scientific research in the social sciences. Special emphasis is given to the techniques and methods of attitude measurement (including public opinion polls), sociograms, and sociological surveys. Prerequisite: Sociology 21, Mathematics 23, and consent of the instructor. Required of all Sociology Majors. Semester course.

   Offered annually.
Non-Academic Instructions

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 in the program of Non-Academic Instruction described here. The first election of such units in Non-Academic Instruction may be made in the 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.

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*. Mr. Carbone.

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

The unit for beginners will be conducted in the fall and winter terms 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—*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.

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

The unit for beginners will be conducted in the winter term. It 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, which will meet in the winter term, 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.

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

Two units are offered, one in the fall and one in the winter term. The fall term will cover the technical elements of theatre production, such as designs for scenery, costume and make-up, charts for lighting, and scale drawings for technical work, followed by actual building and painting of scenery, hanging of lights, and application of make-up. The winter term will be devoted to acting and directing problems, centering on selected scenes from representative modern and classic plays. Either term may be taken independently.

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 slum areas in Philadelphia. Consultations with expert social workers and discussion within the camp group will promote an interest in and understanding of social problems.
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 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.
The Quarto, which began publication in the spring of 1947, is a literary magazine which issues two numbers during each semester.

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. 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 100 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 2½-inch aperture; a spectroheliroscope; 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 rooms 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, contains 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 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."

Applications for the Clementine Cope Fellowship must be in the hands of the President of the College before March 1, accompanied by whatever statement of extracurricular activities the candidate considers relevant. The Faculty will nominate to the Board of Managers a First and Second Cope Fellow whose stipends, not exceeding $700.00 each, will be determined by the Board.

Graduate Fellowships.—For information regarding graduate fellowships, see page 47

Prizes

All material submitted in competition for prizes (except the Sugimoto prize) 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 satis-
factory. 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 1948-49 competition the following subjects are offered:


3. UNESCO as a Factor in Promoting International Peace.


**Prizes in Philosophy and Biblical Literature.**—A prize of $40 and a second prize of $25, in books, is 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, is 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 1948-49 competition the following subjects are offered:

2. The Reforms of the Liberals in Great Britain, 1906-1914.


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 Sugimoto Prize.—A prize of $100.00 is offered in 1948 by Christopher Morley, ’10, in honor of the distinguished Japanese author, Mrs. Etsu Sugimoto. It is open to undergraduate or graduate students of Haverford College, and may be awarded for work in any creative form: literary, graphic, plastic, musical, etc., “dealing with Japanese-American relations, past, present or to come.” Material must be deposited with the Registrar, under an assumed name, before Thursday, November 11, 1948. The award will be announced on Tuesday, December 7, 1948, on the seventh anniversary of Pearl Harbor, but at the discretion of the Committee on Fellowships and Prizes, it may be withheld in the absence of sufficiently meritorious competition.
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 term 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 12.

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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 (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 per cent, respectively, to the average for the Senior year of each student receiving one of these awards.
General Alumni Association of Haverford College

President
THEODORE WHITSELLSEY, JR., '28
Haverford Gables, A-6, Haverford, Pa.

1st Vice-President
OWEN B. RHoads, '25

2nd Vice-President
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3rd Vice-President
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11 W. 53rd St., New York, N. Y.

Executive Secretary
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Haverford College, Haverford, Pa.

Treasurer
WALTER C. BAKER, '32

HAVERFORD CLUB OF PHILADELPHIA
Meridian Club

President ........................................ HARRIS G. HAVILAND, '26
Parkway and 17th St., Phila. 3, Pa.

Vice-President ................................. T. BARCLAY WHITSON, '17
Moylan, Pa.

Secretary ....................................... ERNEST N. VOTAW, '15

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NEW YORK HAVERTFORD SOCIETY

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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.

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308 Thornhill Rd., Baltimore 12, Md.

Vice-President .................................... Gilbert Henry Moore, '17
1125 N. Calvert St., Baltimore 2, 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 HAVERTFORD COLLEGE

President .......................................... Gifford K. Wright, '93

Secretary .......................................... Willard W. Mead, '26
5800 Walnut St., Pittsburgh 6, Pa.

Treasurer .......................................... James M. Houston, '31
1639 Beechwood Blvd., Pittsburgh 17, Pa.
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President .................................................. JOHN PHILLIPS, '10
1317 House Office Bldg., Washington, D. C.

Secretary-Treasurer ............................... HERBERT W. REISNER, '31
214 Prince St., Alexandria, Va.

HAVERFORD SOCIETY OF CHICAGO

President .................................................. THOMAS FANSLER, '21
20 N. Wacker Dr., Chicago 6, Ill.

HAVERFORD SOCIETY OF NEW ENGLAND

President .................................................. FRANK M. ESHELEMAN, '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

President .................................................. SPENCER R. STUART, '44
Martin-Senour Co., 315 W. 9th St., Los Angeles, Cal.

HAVERFORD SOCIETY OF NORTHERN CALIFORNIA

Secretary .................................................. RICHARD WISTAR, '28
Mills College, Oakland 13, Cal.

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College Days in heavy-faced type.
Calendar
1948-49

Registration of all new students ........................................ Sept. 20-21
Beginning of College year with Assembly, 9 a.m.;
registration of returning students .................................... Sept. 22
First semester classes begin 8 a.m. ................................. Sept. 23
First quarter ends ....................................................... Nov. 13
Thanksgiving recess ..................................................... Nov. 24 at 1
Major Registration Cards for men in the
fourth term must be filed by ................................. 4 p.m. Dec. 8
Christmas recess (dates inclusive) ............................... Dec. 19-Jan. 2
First semester classes in major subjects
end for students taking comprehensives ..................... Jan. 15
Senior comprehensive examinations
(dates inclusive) .................................................... Jan. 19-22
First semester classes end ............................................ Jan. 20
All papers assigned must be turned in by 4 p.m.*
Mid-year examinations (dates inclusive) ** ..................... Jan. 24-Feb. 5

Second semester classes begin 8 a.m. ................................. Feb. 7
Third quarter ends ..................................................... Mar. 26
Spring recess .......................................................... Mar 26 at 12
Major Registration Cards for men in the fourth term must
be filed by ............................................................ 4 p.m. Apr. 20
Applications for fellowships for the following year and
manuscripts in competition for prizes must be filed by ......... 4 p.m. May 1
Second semester classes in major subjects end for students taking
comprehensives ....................................................... May 18
Senior Comprehensive examinations (dates inclusive) ........ May 23-26
Second semester classes end ............................................ May 24
*All papers assigned must be turned in by 4 p.m.
Final examinations (dates inclusive) ** ......................... May 27-June 10
Commencement .......................................................... June 11

*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 arrange-
ments 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
1948-49

October
1 Freshman Dance (Bryn Mawr)
  9 Football: Ursinus (home)
 20 Founders Club Freshman Reception
 20 Soccer: Stevens (home)
 23 Sophomore Dance
 23 Faculty Women's Club Tea
 30 Soccer: Lehigh (home)

November
  5 Soccer: Pennsylvania (home)
 11 Cap & Bells (Bryn Mawr)
 12 " " "
 13 " " "
 13 Football: Susquehanna (home)
 13 Soccer: Lafayette (home)
 13 Dance (Bryn Mawr)
 19 Soccer: Swarthmore (away)
 20 Football: Swarthmore (home)
 20 Varsity Club Dance
 23 Athletic Collection

December
  1 Faculty At Home (Seniors)
  3 Dance (Bryn Mawr)
  9 Cap & Bells (home)
 10 " " "
 11 " " "
 12 Glee Club (Bryn Mawr)
 17 Christmas Party (home)

January
  7 Glee Club Concert (home)

February
  9 Basketball: Swarthmore (home)
 11 Dance (Bryn Mawr)
 18 Freshman Shows (Bryn Mawr)
 19 " " "
 19 Athletic Class Day
 19 Dance (Bryn Mawr)
 25 Playwrites' Night (Bryn Mawr)
 26 " "

March
  4 Class Night
  5 Junior Prom
  8 Athletic Collection
  9 Faculty At Home (Juniors)
 17 Cap & Bells (Bryn Mawr)
 18 " " "
 19 " " "

April
  8 Dance (Bryn Mawr)
 15 Arts' Night (Bryn Mawr)
 16 " " "
 16 Junior Prom (Bryn Mawr)
 20 Founders Club (Sub-Freshmen)
 21 Faculty At Home (Sophomores)
 29 Spring Concert - Glee Club (home)
 30 Senior Prom

May
  5 Spring Play - Cap & Bells
  6 " " " " "
  6 Annual Meeting - Cap & Bells
  7 Spring Play - Cap & Bells
  7 Spring Day - Faculty Tea
  7 Track: Swarthmore (away)
  7 Baseball: Delaware (home)
  7 Tennis: Delaware (home)
 14 Annual Varsity Club Day - Dinner
 14 Baseball: Swarthmore (home)

THERE WILL BE NO ADDITIONS OR POSTPONEMENTS WITHOUT PRIOR ARRANGEMENTS WITH THE COMMITTEE
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<td>Allendoerfer, Carl B.**</td>
<td>750 Rugby Rd., B.M.</td>
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<td>Archfield, Dorothy B.</td>
<td>36 Cricket Avenue</td>
<td>4728</td>
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<td>Asensio, Manuel J.</td>
<td>500 Oackley Road</td>
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<td>Chatto, Viola</td>
<td>2 A Griffin Lane</td>
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<td>Gonoude, Anna May</td>
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(B.M. = Bryn Mawr, H.C. = Haverford College)
<table>
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<tr>
<th>Name</th>
<th>Residence</th>
<th>Telephone</th>
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<td>791 College Ave.</td>
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<td>Haworth, Lester C.</td>
<td>2 College Lane</td>
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<td>Henry, Howard K.</td>
<td>1464 Drayton Lane</td>
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<td>768 College Ave.</td>
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<td>720 Millbrook Lane</td>
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<td>205 Malboro Rd., Ardmore, Pa.</td>
<td>4563-W</td>
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<td>437 Wellesley Road</td>
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<td>Wonson, Gertrude M.</td>
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<td>Zaretsky, Lillian</td>
<td>527 S. 3rd Street</td>
<td>Lombard</td>
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*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: Archibald MacIntosh, Director of Admissions

Gertrude M. Wonson, Assistant to the Director of Admissions

Alumni Office: 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: Patricia Docherty, Manager

Business Office: Aldo Caselli, Comptroller and Business Manager

Lillian Nellen, Secretary to the Comptroller
Antoinette Rossi (Accounts Payable)
Marie Stefan (Accounts Receivable)

Campaign: Lester Haworth

Cashier's Office: Marie Stefan

Chase Hall: Ira Reid, James Street

Chemistry Laboratory: O. T. Benfey, W. E. Cadbury, Jr., T. O. Jones, W. P. Meldrum

Dean's Office: Gilbert T. Hoag, Dean

Maris Moore, Secretary to the Dean

Dietitian: Ethel E. Beatty

Engineering Laboratory (Hilles): J. C. Herndon, T. B. Hetzel, C. W. Holmes, N. Wilson

Faculty Secretarial Office: Edna Graeser, Faculty Secretary

Founders Hall, East .................................................. (Pay Station) ... 9460
Founders Hall, Dormitory ........................................... (Pay Station) ... 9533
Founders Hall, Offices: A. B. Coble, C. Oackley, H. Somers, M. Tomber

French House: Laurence W. Wylie, Director .................................................. (Pay Station) ... 9613

Government House: Laurence W. Wylie, Director .................................................. (Pay Station) ... 9613

Gymnasium

Gymnasium Office: W. Docherty, Jr., A. Evans, A. W. Haddleton, R. E. Randall

Haverford News

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

Language House: Manuel J. Asensio, Director .................................................. (Pay Station) ... 9428

Library: Amy L. Post, Acting Librarian

Circulation Desk

Treasurer Room: Thomas E. Drake, Anna P. Hewitt


Post, W. Sollmann, A. G. Steer, D. 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: Seaton Schroeder, Superintendent

Viola Chatto, Secretary to the Superintendent

Merion Annex .......................................................... (Pay Station) ... 9561

Merion Hall ............................................................. (Pay Station) ... 9458

Observatory: R. H. Wilson, Jr.

Panmure Road - 521, Dormitory ........................................ (Pay Station) ... 9516

Physics Laboratory (Sharpless Hall): T. A. Benham, R. M. Sutton

Placement Bureau: Bennett S. Cooper, Director

Power House ............................................................ (Pay Station) ... 9540

President: Gilbert F. White

President's Office: Alice M. Berry, Secretary to the President

Psychology Laboratory: (Sharpless Hall): A. Peplinsky, Lillian Zaretsky

Publicity Director: Lester Haworth

Radio Club: Station WHRC (Haverford Union) .................................................. (Pay Station) ... 9523
Registrar's Office: Dorothy B. Archfield, Ruth Brownlee, Abe Pepinsky, Florence Stulb
Vice President: Archibald MacIntosh
          Alice Barrie, Secretary to the Vice-President
Whitall Hall: J. Ashmead, Jr., S. F. Fox II, J. Kelly, W. E. Lunt, H. Pfund, R. M. Sargent,
          E. D. Snyder, H. Teaf, Jr.

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 number:
Ardmore 6400 Dean; Maintenance and Operation Office
Ardmore 6401 Library; Registrar
Ardmore 6402 Hilles Laboratory; Physics Laboratory
Ardmore 3036 Infirmary; Gymnasium
Ardmore 3761 President's Office
Ardmore 1942 Vice President; Director of Admissions

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.
**STUDENTS IN THE COLLEGE**

In the last column is given the number of the student's dormitory room:

- Bc for Barclay Center
- Bn for Barclay North
- Bs for Barclay South
- F. for Founders Hall
- G.H. for Government House
- L.H. for Language House
- L. for Lloyd Hall
- M. A. for Merion Annex
- M. for Merion Hall
- 521 for Panmure Road

(Note: The number preceding 521, indicates the room occupied by the student.)

<table>
<thead>
<tr>
<th>Name</th>
<th>Home Address</th>
<th>College Address</th>
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<tbody>
<tr>
<td>ABBOTT, Henry David</td>
<td>Linwood, New York</td>
<td>6 Bs</td>
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<td>ACTON, John Thomas</td>
<td>Buck Road, Bryn Athyn, Pa.</td>
<td>10 G.H.</td>
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<tr>
<td>ADAM, Albert C., Jr.</td>
<td>2924 Morris Road, Ardmore, Pa.</td>
<td>Day</td>
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<td>ADIMORA, Samuel O. C.</td>
<td>Africa House, 459 West 140th St., N. Y., N. Y.</td>
<td>9 M</td>
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<tr>
<td>ALLAN, William Donald</td>
<td>115 North 8th Avenue, Coatesville, Pa.</td>
<td>24 Bs</td>
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<tr>
<td>ALLEN, Robert W.</td>
<td>Buck Lane, Haverford, Pa.</td>
<td>Day</td>
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<tr>
<td>AMBLER, William W., Jr.</td>
<td>124 W. Highland Ave., Philadelphia 18, Pa.</td>
<td>Day</td>
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<tr>
<td>AMUSSEN, Christopher R.</td>
<td>1509 Wynnewood Road, Ardmore, Pa.</td>
<td>Day</td>
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<td></td>
<td>Telephone: Ardmore 0653-M</td>
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<tr>
<td>AMUSSEN, Donald Sinclair</td>
<td>1004 Houston Ave., Takoma Park 12, Maryland</td>
<td>26 L</td>
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<tr>
<td>ATKINSON, Robert Wharton</td>
<td>11 Louella Court, Wayne, Pa.</td>
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<td>AUSTIN-SMALL, Peter Oswald Clifford</td>
<td>2 Grandview Circle, Pleasantville, N. Y.</td>
<td>27 L</td>
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<td>AUTENREITH, Laurence H.</td>
<td>920 Wellesley Road, Pittsburgh 6, Pa.</td>
<td>6 Bs</td>
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<tr>
<td>AYUSAWA, Jun</td>
<td>2228 Okura Tsurukawa-Mura, Minami Tama Gun, Tokyo, Japan</td>
<td>Day</td>
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<tr>
<td>BACON, Roger</td>
<td>3307 Clarendon Road, Cleveland 18, Ohio</td>
<td>30 F</td>
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<tr>
<td>BAER, Bruce Lawrence</td>
<td>741 Gimghoul Road, Chapel Hill, North Carolina</td>
<td>22 L</td>
</tr>
<tr>
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<td>BAILEY, M. Omar</td>
<td>160 No. Main Street, W. Hartford 7, Connecticut</td>
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<td>BAKER, Robert K.</td>
<td>355 Columbia Ave., Palmerston, Pa.</td>
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<td>355 Columbia Ave., Palmerston, Pa.</td>
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<td>BALDI, Virgil B., Jr.</td>
<td>437 W. School Lane, Philadelphia 44, Pa.</td>
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<td>BALDWIN, Gordon Brewster</td>
<td>Orchard Glen, R.F.D. #1, Rochester 10, N. Y.</td>
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<td>BALTZELL, Richard</td>
<td>2001 Hillside Drive, Columbus 12, Ohio</td>
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<td>BARKER, Harold Joseph Jr.</td>
<td>201 - 30th St., Brigantine, New Jersey</td>
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<td>BARNES, Richard Kendrick</td>
<td>146 Maple Street, Englewood, New Jersey</td>
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<td>54 Avenue de Veullly, Veullly s/ Seine, Paris, France</td>
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<td>BARROWS, William M.</td>
<td>24 Willard Street, East Braintree 84, Massachusetts</td>
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<td>BECKLEY, Addison Summers</td>
<td>277 S. Douglas Ave., Springfield, Ohio</td>
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<td>150 Beaver Street, Beaver, Pa.</td>
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<td>4409 Greenwich Parkway, N.W., Washington 7, D. C.</td>
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<td>BELLINGER, Edgar T.</td>
<td>2710 So. Joyce Street, Arlington, Virginia</td>
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<td>Box 296, Chapel Hill, North Carolina</td>
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<td>6840 No. Barnett Lane, Milwaukee, Wisconsin</td>
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<td>CALVERT, John Elmer, Jr.</td>
<td>526 Wyanoke Ave., Baltimore 18, Maryland</td>
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<td>CAMERON, Richard Morgan, Jr.</td>
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<td>1803 Third Avenue, Altoona, Pa.</td>
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<td>209 Ardmore Avenue, Ardmore, Pa.</td>
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<td>DALLETT, Francis James, Jr.</td>
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<td>Local Address: c/o Mr. Frank P. Ufford, 605 Railroad Ave., Haverford, Pa.</td>
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<td>FREUND, Gerald</td>
<td>91 Payson Ave., New York 34, N. Y.</td>
<td>Day</td>
</tr>
<tr>
<td></td>
<td>Local Address: c/o Mr. &amp; Mrs. A. Dean, 2 Buck Lane, Haverford, Pa.</td>
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<tr>
<td>GAGER, Forrest L., Jr.</td>
<td>719 E. Willow Grove Ave., Chestnut Hill, Philadelphia 18, Pa.</td>
<td>Day</td>
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<tr>
<td>GAILEY, Joseph A.</td>
<td>401-A Roosevelt Ave., York, Pa.</td>
<td>19 Bs</td>
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<tr>
<td>GARBATY, Thomas J.</td>
<td>20 Murray Hill Rd., Scarsdale, N. Y.</td>
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<td>GARDINER, J. Brooke</td>
<td>614 Pembroke Rd., Bryn Mawr, Pa.</td>
<td>Day</td>
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<tr>
<td>GARDNER, Jess</td>
<td>411 Lexington Ave., Aspinwall, Pittsburgh 15, Pa.</td>
<td>38 L</td>
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<td></td>
<td>729 Levick Street, Philadelphia 11, Pa.</td>
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<td>GATELY, Edward J., Jr.</td>
<td>476 Fair St., Providence 5, Rhode Island</td>
<td>7 L</td>
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<td>GECKELER, Edwin Oscar, Jr.</td>
<td>1312 Medford Road, Wynnewood, Pa.</td>
<td>2 L.H.</td>
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<td>GEOFFROY, Charles H.</td>
<td>509 Wilde Ave., Drexel Hill, Pa.</td>
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<td>GETMAN, Burrill M., Jr.</td>
<td>251 Crestwood Rd., Cowesett, Rhode Island</td>
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<td>GILBERT, Charles E.</td>
<td>3 Glendale Ave., Delmar, N. Y.</td>
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<td>GILL, Harry W., Jr.</td>
<td>414 Penn Rd., Wynnewood, Pa.</td>
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<td>GILMOUR, Richard M.</td>
<td>249 Green Ave., Lansdowne, Pa.</td>
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<td>GILPIN, Vincent Jr.</td>
<td>'Apple Hill,' West Chester, Pa.</td>
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<td>GLOVER, Thomas Reeves</td>
<td>53 Kings Highway West, Haddonfield, N. J.</td>
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<td>GOODMAN, Robert</td>
<td>3749 Nortonia Road, Baltimore 16, Maryland</td>
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<td>GORHAM, William Kane III</td>
<td>3346 Tilden St., Philadelphia 29, Pa.</td>
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<td>GOULD, Peter</td>
<td>118 East 57th Street, New York 22, N. Y.</td>
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<td>GOULD, Stanley B.</td>
<td>3505 Edgewood Rd., Baltimore, 15, Maryland</td>
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<td>GRAFF, Thomas D.</td>
<td>116 M.A. Paoli, Pa.</td>
<td>116 M.A.</td>
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<td>GRAHAM, Roland B., Jr.</td>
<td>7802 Lincoln Drive, Philadelphia 18, Pa.</td>
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<td>GRANT, Edgerton</td>
<td>R.F.D. #1, Scotch Plains, N. J.</td>
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<td>GRAY, William S., Jr.</td>
<td>2140 Chestnut Ave., Ardmore, Pa.</td>
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<td>GREENE, Charles M.</td>
<td>230 Chemung Street, Corning, New York</td>
<td>8 Bs</td>
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<td>GREENE, Joseph Henry, Jr.</td>
<td>522 Rock Glen Drive, Wynnewood, Pa.</td>
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<td>GREENWOOD, Richard J.</td>
<td>2847 North 22nd Street, Philadelphia 32, Pa.</td>
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<td>GRIFFITH, Charles D.</td>
<td>1216 Stirling Street, Coatesville, Pa.</td>
<td>10-521</td>
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<td>GROSHOLZ, James Richard</td>
<td>520 West Lancaster Ave., Wayne, Pa.</td>
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<td>GUSHEE, Lawrence A.</td>
<td>3453 W. Penn St., Philadelphia 29, Pa.</td>
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<td>2704 Queen Anne Road, Baltimore 16, Maryland</td>
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<td>44 Elm Rock Road, Bronxville 8, New York</td>
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<td>HALL, Robert Tucker</td>
<td>4425 West 6th St., Topeka, Kansas</td>
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<td>HALPERN, Eli B.</td>
<td>336 S. Smedley Street, Philadelphia 3, Pa.</td>
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<td>HAMMOND, Robert A., Jr.</td>
<td>1264 Lincoln Rd., Columbus, Ohio</td>
<td>25 Bc</td>
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<td>HAMMOND, Stanley G.</td>
<td>104 E. Park Rd., Havertown, Pa.</td>
<td>Day</td>
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<td>HAND, T. Spencer</td>
<td>1 Holmecrest Rd., Jenkintown, Pa.</td>
<td>27 L</td>
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<td>HANSEN, Willard B.</td>
<td>12 East 87th Street c/o Felix Jacobi, New York 28, N. Y.</td>
<td>13 M</td>
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<td>HARDEN, David S.</td>
<td>341 East Main Street, Moorestown, N. J.</td>
<td>30 L</td>
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<td>HARDEN, Robert S.</td>
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<td>HARDY, Daniel W.</td>
<td>40 East 54th Street, New York 22, N. Y.</td>
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<td>HARING, Lee</td>
<td>152 W. 54th St., New York 19, N. Y.</td>
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<td>HARPER, Lee R.</td>
<td>190 Crowell Ave., Staten Island 14, N. Y.</td>
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<td>HARPER, Robert</td>
<td>190 Crowell Ave., Staten Island 14, New York</td>
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<td>HARRIS, Donald B.</td>
<td>5501 Moorland Lane, Bethesda 14, Maryland</td>
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<td>HARRIS, William Heasley</td>
<td>1316 Alexander Ave., Chambersburg, Pa.</td>
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<td>HARTMAN, Robert Hill</td>
<td>216 State Street, Harrisburg, Pa.</td>
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<td>HARVEY, W. F. Atlee</td>
<td>112 Chamounix Rd., St. Davids, Pa.</td>
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<td>HASTINGS, David S.</td>
<td>Tumbling Brook Farm, R.F.D. Mansfield Center, Connecticut</td>
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<td>30 Elston Road, Upper Montclair, New Jersey</td>
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<td>HAVILAND, Peter Robbins</td>
<td>28 Pennock Terrace, Lansdowne, Pa.</td>
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<td>HAZELWOOD, Robert Nichols</td>
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<td>HEALEY, Robert J.</td>
<td>Bryn Mawr Gables, Bryn Mawr, Pa.</td>
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<td>HEBERTON, Craig.</td>
<td>Haverford Gables, Haverford, Pa.</td>
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<tr>
<td>HENKELS, John B. III</td>
<td>446 Church Lane, Philadelphia, Pa.</td>
<td>23 L</td>
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<tr>
<td>HENNE, Earl J.</td>
<td>923 W. Erie Avenue, Philadelphia 40, Pa.</td>
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<tr>
<td>HERMAN, David O.</td>
<td>5510 Roland Ave., Baltimore 10, Maryland</td>
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<td>HERZEL, Frank Benton Jr.</td>
<td>Schellsburg, Pa.</td>
<td>10 M</td>
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<td>HETZEL, Frederic V.</td>
<td>768 College Ave., Haverford, Pa.</td>
<td>Day</td>
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<td>HIBBERD, Edward N., Jr.</td>
<td>1201 Montgomery Ave., Rosemont, Pa.</td>
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<td>HICKMAN, Hoyt Leon</td>
<td>829 Osage Road, Pittsburgh 16, Pa.</td>
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<td>HIGINBOTHOM, William C.</td>
<td>5403 Springlake Way, Baltimore 12, Maryland</td>
<td>6 F</td>
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<td>HIRES, Peter von Zanthier</td>
<td>Malvern, R. D. 1, Pa.</td>
<td>Day</td>
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<td>HIRES, William L.</td>
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<td>HOBART, John Hampden</td>
<td>311 Chester Ave., Moorestown, N. J.</td>
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<td>HOEHLER, Harry Heyden</td>
<td>Pugh Rd., Strafford, Pa.</td>
<td>Day</td>
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<td>HOFFMAN, Daniel N.</td>
<td>420 Riverside Drive, New York 25, N. Y.</td>
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<tr>
<td>HOFFMANN, George L., Jr.</td>
<td>301 S. Linden Ave., Pittsburgh 8, Pa.</td>
<td>112 M.A.</td>
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<tr>
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<td>HOLCOMBE, John Lyndon</td>
<td>239 Mill Rd., Havertown, Pa.</td>
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<td>HOLMES, Robert W.</td>
<td>720 Millbrook Lane, Havertown, Pa.</td>
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<td>HOOPES, Charles Dallet</td>
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<td>Oskaloosa, R. R. 4, Iowa Local Address: Pendle Hill, Wallingford, Pa.</td>
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<td>316 Thornhill Rd., Baltimore 12, Maryland</td>
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<td>Queenstown, Maryland</td>
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<td>86 Varick Rd., Waban 68, Massachusetts</td>
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<td>HOUGH, Wm. J. H., Jr.</td>
<td>60 Butler Ave., Ambler, Pa.</td>
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<td>HUDSON, James Wallace</td>
<td>1401 Lincoln St., Evanston, Illinois</td>
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<td>HUDSON, Samuel Walter Grafflin</td>
<td>150 So. Broadway, White Plains, New York</td>
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<td>HUFFMAN, Richard M.</td>
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<td>HUGO, Victor</td>
<td>1025 Cornell Avenue, Drexel Hill, Pa.</td>
<td>9 G.H.</td>
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<td>HUME, Harry Alan</td>
<td>550 Beverly Blvd., Upper Darby, Pa.</td>
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<td>IHRIG, Judson L.</td>
<td>2611 East Beverly Road, Milwaukee, Wisc.</td>
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<td>IMHOF, Lawrence George</td>
<td>678 Richmond Road, Staten Island 4, New York</td>
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<td>IVES, Robert Trull</td>
<td>540 E. St. Davids Ave., St. Davids, Pa.</td>
<td>Day</td>
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<tr>
<td>JACKSON, John A.</td>
<td>20 Summer St., Adams St., Adams, Mass</td>
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<tr>
<td>JAMES, Donald Wiles, Jr.</td>
<td>43 Fairview Avenue, Port Washington, New York</td>
<td>4 M</td>
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<tr>
<td>JAMESON, Thomas Edward</td>
<td>505 North Lake St., Carlsbad, New Mexico</td>
<td>110 M.A.</td>
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<tr>
<td>JAMISON, Edgar Merritt, Jr.</td>
<td>11 Canterbury Court, Toledo 6, Ohio</td>
<td>35 L</td>
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<td>JARDINE, William, II</td>
<td>110 Summit Avenue, Upper Darby, Pa.</td>
<td>Day</td>
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<td>JENNEY, Peter Borie</td>
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<td>JOHNSON, A. Clark, Jr.</td>
<td>1007 Valley Rd., Philadelphia 26, Pa.</td>
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<td>JOHNSON, Victor L.</td>
<td>3219 Ozark, Little Rock, Arkansas</td>
<td>15 L</td>
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<td>JOHNSON, Jon Jolyon</td>
<td>25th Street, Brigantine, N. J.</td>
<td>31 L</td>
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<td>JONES, A. Wilson</td>
<td>616 Regester Ave., Baltimore 12, Maryland</td>
<td>37 Bc</td>
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<td>JONES, Edgar Arnold Newton</td>
<td>Hector’s River P.O., Jamaica, B.W.I.</td>
<td>105 M.A.</td>
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<td>200 South St., Morristown, N. J.</td>
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<td>KEETZ, Edward J.</td>
<td>Hilldale Road, Villanova, Pa.</td>
<td>Day</td>
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<td>KEETZ, Francis A.</td>
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<td>KELLY, Paul S.</td>
<td>118 W. 36th St., Erie, Pa.</td>
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<td>KEMMERER, John LeRoy</td>
<td>Residence Park, Palmerton, Pa.</td>
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<td>KENNEDY, Frank R., Jr.</td>
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<td>KIMMICH, Ferdinand Scott</td>
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<td>KIMMICH, Homer M.</td>
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<td>KING, Milton P.</td>
<td>2509 N. 31st St., Philadelphia 32, Pa.</td>
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<td>KIRK, Donald Graves</td>
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<td>36 L</td>
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<td>KLEIN, Gilbert Wood</td>
<td>Mt. Pleasant Avenue, Villanova, Pa.</td>
<td>Day</td>
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<td>KNOWLTON, Andrew Mutch</td>
<td>126 Sharon Ave., Sharon Hill, Pa.</td>
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<tr>
<td>KRATZ, Wayne T.</td>
<td>Stanton Road, Wildwood Crest, New Jersey</td>
<td>12 M</td>
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<td>KUNKEL, Robert B.</td>
<td>138-23 250th St., Rosedale 10, L.L., N.Y.</td>
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<td>LAITY, Richard W.</td>
<td>105 Elliott Place, East Orange, N.J.</td>
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<td>LAMBERT, Richard M.</td>
<td>104 Webster Ave., Wyncote, Pa.</td>
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<td>3000 - 39th St., N.W., Washington 16, D.C.</td>
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<td>LANDE, Peter Wolfgang</td>
<td>Cherry Lawn, Darien, Connecticut</td>
<td>69 Bn</td>
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<td>LANGSTON, Thomas D.</td>
<td>621 Malvern Rd., Ardmore, Pa.</td>
<td>19 L</td>
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<td>LASDAY, H. Robert</td>
<td>1322 Squirrel Hill Ave., Pittsburgh, 17, Pa.</td>
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<td>LASH, William Stanley Mallory</td>
<td>Box 2255, R.R. #4, Victoria, B.C., Canada</td>
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<tr>
<td>LEA, Sperry</td>
<td>350 Lakeville Road, Lake Success, New York</td>
<td>9 G.H.</td>
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<td>LEIB, Gilbert M. P.</td>
<td>136 Dwight St., New Haven 11, Connecticut</td>
<td>28 L</td>
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<tr>
<td>LEONARD, Lawrence Marvin</td>
<td>24 Moss Hill Rd., Jamaica Plains 30, Boston, Mass.</td>
<td>Day</td>
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<td>LEWIS, Theodore L.</td>
<td>16 Hempstead Ave., Hempstead, New York</td>
<td>20 F</td>
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<tr>
<td>LIBBY, Edward Kelway</td>
<td>1324 Euclid St., N.W., Washington, D.C.</td>
<td>4 G.H.</td>
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<td>LIGHTFOOT, Clark Thompson</td>
<td>Richboro, Pennsylvania</td>
<td>Day</td>
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<td>LIMBER, Wayne S.</td>
<td>161 State St., Montpelier, Vermont</td>
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<td>LIND, Frederick John, Jr.</td>
<td>625 Pitcairn Place, Pittsburgh 6, Pa.</td>
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<td>LINTHICUM, William A., Jr.</td>
<td>Rockville, Maryland</td>
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<tr>
<td>LOEB, Eric</td>
<td>1 West 85th Street, New York 24, N.Y.</td>
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<td>LOEBELENZ, Donald Eugene</td>
<td>511 Cowell Avenue, Oil City, Pa.</td>
<td>4 M</td>
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<td>LOECHEL, Lloyd O., Jr.</td>
<td>543 Chestnut Street, Columbia, Pa.</td>
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<tr>
<td>LONGACRE, Jacob A.</td>
<td>115 North Reading Avenue, Boyertown, Pa.</td>
<td>4 L</td>
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<tr>
<td>Name</td>
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<td>College Address</td>
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<tr>
<td>LORENZEN, Richard Peter</td>
<td>Meeker, Colorado Local Address: c/o Dr. Richard Sutton, 785 College Ave., Haverford, Pa.</td>
<td>Day</td>
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<tr>
<td>LOUCKS, Walter Bott</td>
<td>McClellan Heights, R.D. #6, York, Pa.</td>
<td>9 L</td>
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<td>LUCAS, Robert M.</td>
<td>R.D. #1, Main St., Cedarville, New Jersey</td>
<td>36 Bc</td>
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<td>LUCINE, Andrew D.</td>
<td>Centennial Road, Penn Valley P.O., Philadelphia 27, Pa.</td>
<td>Day</td>
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<td>LUSH, Stanley G.</td>
<td>10 West Street, Galeton, Pa.</td>
<td>11 M</td>
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<td>LYNCH, Harold V., Jr.</td>
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<td>MACBETH, C. Edward</td>
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<td>MacINTOSH, W. Bruce, Jr.</td>
<td>1444 W. 28th Street, Miami Beach, Florida</td>
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<td>1414 Regina St., Harrisburg, Pa.</td>
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<td>654 Arbor Rd., Yeadon, Pa.</td>
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<td>MARONEY, Philip M.</td>
<td>437 Berkley Road, Haverford, Pa.</td>
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<td>7032 S. Cregier, Chicago 49, Illinois</td>
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<td>MASON, Samuel III</td>
<td>Darlington, Maryland Local Address: c/o Mr. B. Van Arkel, 960 Glenbrook Rd., Bryn Mawr, Pa.</td>
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<td>MATEER, G. Diehl, Jr.</td>
<td>2932 Rising Sun Road, Ardmore, Pa.</td>
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<td>716 Paru Street, Alameda, California</td>
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<td>12 Arnold Ave., Northampton, Mass.</td>
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<td>26 Linwold Drive, West Hartford 7, Connecticut</td>
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<td>83-09 Talbot Street, Kew Gardens, New York</td>
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<td>7502 Colonial Road, Brooklyn, New York</td>
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<td>10 Manor Drive, Tuckahoe 7, New York</td>
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<td>1501 Undercliff Avenue, New York 53, N. Y.</td>
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<td>Valmont Farms, Robesonia, Pa.</td>
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<td>Local Address: 730 Fourteenth Ave., Prospect Park, Pa.</td>
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<td>Montgomery, Andrew Thompson</td>
<td>3288 North Lake Drive, Milwaukee, Wisconsin</td>
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<td>1616 So. Park, Springfield, Illinois</td>
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<td>20 Winston Drive, Bethesda, Maryland</td>
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<td>Box 75, R.F.D. #3, Bethesda, Maryland</td>
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<td>MORITZ, John Alan</td>
<td>131 Dunster Rd., Boston 30, Mass.</td>
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<td>MORLEY, Anthony Jefferson</td>
<td>1 Wetherill Road, Washington 16, D.C.</td>
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<td>330 N. Bowman Avenue, Merion, Pa.</td>
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<td>90 Oakwood Avenue, Long Branch, New Jersey</td>
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<td>Old Lincoln Highway, Langhorne, R.D. 1, Pa.</td>
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<td>2923 North Charles St., Baltimore, Maryland</td>
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<td>144 West Penn St., Philadelphia 44, Pa.</td>
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<td>NASON, Harry</td>
<td>32 Dartmouth Rd., Cynwyd, Pa.</td>
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<td>U. S. Marine Hospital, Brighton 35, Boston, Mass.</td>
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<td>NOFER, George Hancock II</td>
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<td>OSLER, Frederic Bruce, Jr.</td>
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<td>Redestou 42 Nea Smyrni, Athens, Greece</td>
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<td>PARKE, Robert Jr.</td>
<td>50 Lancaster Ave., Buffalo 9, New York</td>
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<td>PARKES, Robert L., Jr.</td>
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<td>ROSENBAUM, C. Peter</td>
<td>1195 Asbury Avenue, Winnetka, Illinois</td>
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<td>609 Reservoir St., Baltimore 17, Maryland</td>
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<td>c/o Mr. R. Jameson, 731 Panmure Rd., Haverford, Pa.</td>
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<td>RUDISILL, Rufus Clare</td>
<td>2415 Merwood Lane, Merwood Park, Havertown, Pa.</td>
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<td>RUTH, Thomas Nelson</td>
<td>352 Kenmore Ave., Glenside, Pa.</td>
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<tr>
<td>SANGREE, Carl M., Jr.</td>
<td>702 Pennstone Road, Bryn Mawr, Pa.</td>
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<td>SANGREE, Walter Hinchman</td>
<td>702 Pennstone Road, Bryn Mawr, Pa.</td>
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<td>SCHULTZ, Merle A.</td>
<td>44 Walton Avenue, Ardmore, Pa.</td>
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<td>SCHWARTZ, William</td>
<td>2921 East Newport Avenue, Milwaukee 11, Wisconsin</td>
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<td>SEARS, Donald F., Jr.</td>
<td>349 Lincoln Ave., Williamsport 12, Pa.</td>
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<td>SEGAL, Arthur Gilbert</td>
<td>7801 Bayard Road, Philadelphia 19, Pa.</td>
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<td>SEGAL, Marvin</td>
<td>729 Snyder Ave., Philadelphia 48, Pa.</td>
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<td>SEGAL, Richard Malcolm</td>
<td>7801 Bayard Road, Philadelphia 19, Pa.</td>
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<td>SEIDEL, Barry Lee</td>
<td>624 Mt. Laurel Ave., Temple, Pa.</td>
<td>5 L.H.</td>
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<td>SELIGSOHN, Walter Israel</td>
<td>590 Fort Washington Ave., New York 33, N. Y.</td>
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<td>SELIGSOHN, Walter Israel</td>
<td>180 Ames Avenue, Leonia, New Jersey</td>
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<td>38105 Ardmore Ave., Philadelphia 18, Pa.</td>
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<td>SCHOEMAKER, J. Howard III</td>
<td>87 Garden Street, Garden City, L. I., N. Y.</td>
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<td>139 Tuscan Rd., Maplewood, New Jersey</td>
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<td>SMITH, Allen J., II</td>
<td>Wyndham Drive, R.D. 6, York, Pa.</td>
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<td>18 L</td>
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<td>SMITH, Merle B.</td>
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<td>SMYTH, Francis Scott, Jr.</td>
<td>916 Jackling Drive, Burlingame, California</td>
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<td>SNADER, Edward R., III</td>
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<td>SNIFFEN, Allan Mead</td>
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<td>Lincoln Highway, Morrisville, Pa.</td>
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<td>Lincoln Highway, Morrisville, Pa.</td>
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<td>625 N. Elmwood Ave., Oak Park, Illinois</td>
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<td>SORG, W. Roger</td>
<td>40 So. Munn Ave., East Orange, N. J.</td>
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<td>SPAETH, Karl H.</td>
<td>7021 Clearview St., Philadelphia 19, Pa.</td>
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<td>SPROULE, Joseph</td>
<td>Haverford, Pa.</td>
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<td>STANMYER, Joseph R., Jr.</td>
<td>702 E. Willow Grove Ave., Philadelphia 18, Pa.</td>
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<tr>
<td>STEERE, Peter Kormann</td>
<td>409 E. Ridge, Marquette, Michigan</td>
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<td>1213 Stratford Ave., Melrose Park, Philadelphia 26, Pa.</td>
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<td>STERN, Thomas</td>
<td>88-10 Whitney Ave., Elmhurst, L.I., New York City</td>
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<tr>
<td>STERNER, Paul Leonard, Jr.</td>
<td>1234 Pelhamdale Avenue, Pelham Manor, N. Y.</td>
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<td>STITT, Charles</td>
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<td>STROHL, H. Frederick</td>
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<td>STUCKI, William Robert</td>
<td>704 Jefferson Avenue, Cliffside Park, New Jersey</td>
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<td>SUTTON, Robert Leeds</td>
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<td>TABOGA, Diogenes A. H.</td>
<td>8012 Roanoke St., Philadelphia 18, Pa.</td>
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<tr>
<td>TANG, Wei-Zing Chi-Cheong</td>
<td>161 Wongneichong Road, Hong Kong, China</td>
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<td>TATNALL, Runcie Lea, Jr.</td>
<td>26 Hilltop Road, Chestnut Hill, Philadelphia 19, Pa.</td>
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<td>1467 - 42nd St., Los Alamos, New Mexico</td>
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<td>TILLEY, David Campbell</td>
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<td>TODD, John A.</td>
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<td>TOLAN, David J.</td>
<td>2951 N. Marietta Ave., Milwaukee 11, Wisconsin</td>
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<td>1010 Delaware Ave., Wilmington, Delaware</td>
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<td>230 North St., Apt. B-33, Buffalo, New York</td>
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<td>TREYNOR, Jack Lawrence</td>
<td>424 Oakland Ave., Council Bluffs, Iowa</td>
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<tr>
<td>TRUB, John Gibson</td>
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<td>TRUMPER, David K.</td>
<td>155 Summit Lane, Bala-Cynwyd, Pa.</td>
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<tr>
<td>TUCKER, Robert N.</td>
<td>The Lagoon, Paget East, Bermuda</td>
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<td>Name</td>
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<td>TURLEY, Keith H.</td>
<td>501 Camden Ave., Moorestown, N. J.</td>
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<td>TURNER, Conrad W.</td>
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<td>VAIL, Philip C.</td>
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<td>VAN ARKEL, Bernard</td>
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<td>VEDOVA, Harold Frederick</td>
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<td>VELTE, Robert Hulley</td>
<td>314 Saint George St., Lewisburg, Pa.</td>
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<td>VOGEL, William W.</td>
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<td>2552 Madison Rd., Cincinnati 8, Ohio</td>
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<td>WALKER, Ian Gordon</td>
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<td>WALKER, Richard Alan</td>
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<td>WALLERSTEIN, Edward Perry</td>
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<td>WALNUT, Francis K.</td>
<td>1 Lehman Lane, Philadelphia 44, Pa.</td>
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<td>WEBB, Peter W.</td>
<td>216 Sta. Ave., Langhorne, Pa.</td>
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<td>WELSH, Charles N.</td>
<td>Buck Lane, Haverford, Pa.</td>
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<td>WESTERN, David S.</td>
<td>28 The Green, Woodstock, Vermont</td>
<td>Day</td>
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<td>Local Address: c/o Mr. T. Hetzel, 768 College Ave., Haverford, Pa.</td>
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<td>WHITAKER, Robert C., Jr.</td>
<td>109 Hewett Road, Wyncole, Pa.</td>
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<td>WHITALL, W. Brinton</td>
<td>5363 Magnolia Ave., Germantown, Philadelphia 44, Pa.</td>
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<td>WHITCOMB, Harold C., Jr.</td>
<td>337 North 25th Street, Camp Hill, Pa.</td>
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<td>WHITE, Robert B.</td>
<td>Day</td>
<td>655 Fern Street, Yeadon, Pa.</td>
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<td>WIGHTMAN, Arthur Harvey</td>
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<td>WILCOX, John Rogers</td>
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<td>WILLOUGHBY, Alan Thomas</td>
<td>33 L</td>
<td>6239 Homer Street, Philadelphia 44, Pa.</td>
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<td>WILSON, Frederick Thomas</td>
<td>63 Bn</td>
<td>5736 Harper Ave., Chicago 37, Illinois</td>
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<td>WILSON, Richard E.</td>
<td>107 M.A. Garland Road, Concord, Mass.</td>
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<td>WIRT, John Belding</td>
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<td>WOLL, John W. Jr.</td>
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<td>WOOD, Horatio C., IV</td>
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<td>4309 Prospect Road, Peoria, Illinois</td>
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<td>WOOD, James</td>
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<td>WOODWARD, Thomas Mullen, Jr.</td>
<td>23 Bs</td>
<td>3044 P Street, N.W., Washington 7, D. C.</td>
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<td>WRIGHT, Daniel Ranney</td>
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<td>YOUNG, Donald L.</td>
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<td>ZERRER, John Gehri</td>
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REPORT OF THE PRESIDENT

Presented at the
Annual Meeting of the Corporation
of Haverford College
October 19, 1948

The basic test of progress in a college such as ours is in the intellectual and spiritual growth of the young men with whom we deal. It is only as they sharpen their powers of logical analysis, deepen their perception of values, and strengthen their ability to act courageously upon those values that we who are responsible for Haverford can feel any satisfaction in its conduct. We should be satisfied with nothing less than a college program which encourages and nourishes the habit of principled action by our graduates.

Although it is difficult to measure progress in that direction, in contrast to the relative ease with which the command of facts or technological skill or salary can be measured, it is possible to distinguish a few signs of such growth among students and alumni. Some of the new developments in the life of the College must be regarded for the present as indications of high intention and faith upon the part of faculty and administration. We cannot be entirely confident as to the results. Modern-day education is unfortunately full of broad declarations of purpose supported by little or no evidence as to what happens to its products. A continuing appraisal of results is an essential part of the College's work.

A year ago a large part of my report was given to the new College Program which at that time had been prepared by the faculty and had been discussed with alumni and with students. Since then the program has been approved by the Board of Managers, and cautious steps have been taken to translate it into action. These are noted in the following review of the years work.

THE YEAR IN REVIEW

STUDENTS

The high enrollment of 552 students with which we began the year dropped to 525 during the second semester. This number was more than we would
have liked and far more than the enrollment which we are inclined to feel is
the optimum. The bulge was in the three upper classes so that it will require
two more years before a total enrollment of 400 can be reached. While every
effort was made to minimize the ill effects of this large enrollment by employing
extra teachers I believe it is the consensus of the faculty that the current
size of the College makes it extremely difficult to maintain the close contacts
between students and faculty, and the strong sense of individual responsi-
ibility for community welfare that we cherish for Haverford.

A new and much simplified constitution of the Students Association was
adopted during the year, but it has not yet been tried sufficiently to warrant
an appraisal. The sharing of student experience in extra-curricular activities
was relatively vigorous. For example, out of the total enrollment of 552 stu-
dents last year, approximately 133 were in one or more of the dramatic pro-
ductions. The College supported 20 athletic teams: 124 men received major
letters during the year. These numbers and the effort to devise a more effec-
tive system of student government appear to be signs that the student life
has involved a healthy combination of academic and extra-curricular pursuits.

At the suggestions of a student group, the College began last year a series
of special meetings for all new students in order to introduce them to the
history of Quakerism, and the meaning of its meditative silence and social
testimonies. The response from students was encouraging. The program ac-
cordingly will be repeated this year.

Another innovation which helped draw the student body together was
Spring Day, a day when parents and friends shared in the College life by
attending representative classes and sports events, and by meeting inform-
ally with the faculty.

We are deeply concerned with the motivation of students. This is bound
up in their religious beliefs, their perceptive skills, and the breadth of their
experience. It is reflected in part in their choice of a vocation, and in the rea-
sons for that choice. Of the men who expect to receive the bachelor's degree
during the current year, 25 percent intend to study medicine, 10 percent in-
tend to study law, 3 percent expect to enter the ministry, and 20 percent are
looking to graduate work with a view to later research or teaching. Given a
student body of this character, we are seeking to find out more concerning the
influence of the College on their motivation, and concerning their need for
guidance.

Statistics as to the number and composition of the student body are given
in the accompanying tables.

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FACULTY

Although it has been 14 years since Rufus Jones retired as an active member of the faculty, he never retired as an active member of the College community. His death on June 16, 1948 was a tremendous loss to our faculty as well as to that great fellowship of Friends and like-minded people for whom Rufus Jones was a spiritual leader. May his inspiring teaching, his rich ministry, and his genial spirit of friendship for all men live on in this College!

It also is necessary to report with regret the retirement at the end of the year of Dean P. Lockwood as Librarian and Professor of Latin, and of Frank D. Watson as Professor of Sociology. Dean Lockwood, an outstanding scholar in Latin literature, in 28 years of service as Librarian contributed greatly to building the Library to its present quality and efficiency. Frank Watson as an able teacher of social problems since 1914 has demonstrated a deep sense of community responsibility and leadership in his own life. We are happy that both will remain in residence on the Haverford campus. The College lost two other members of its long-term teaching staff: Frank Fetter who accepted appointment at Northwestern University, and Francis Evans who accepted appointment at the University of Michigan.

New appointments to the full-time staff for the current year include O. Theodor Benfey in Chemistry, R. Martin Bruns in Political Science, Marcel Gutwirth in Romance Languages, Holland Hunter in Economics, Fillmore Sanford in Psychology, Herman Somers in Political Science, James Street in Economics, and Norman Wilson in Engineering. Sabbatic leave was granted for the past year to John Kelly who studied in Switzerland, Cletus Oakley who carried on mathematical work in Mexico, Arnold Post who during the second semester gave the Sather lectures at the University of California, and Douglas Steere who studied and travelled in Germany and Scandinavia. For the current year, sabbatic leaves have been granted to Carl Allendoerfer, Louis Green, and William Lunt (second semester).

CURRICULUM

As a part of the College Program adopted by the faculty last year and approved by the Board on November 21, 1947, new general courses were offered in humanities, biological science and physical science. Those new offerings are continuing on trial this year, and are supplemented by a general course in social science. All four courses are intended to deal with fundamental ideas and methods of thinking in their respective fields. We expect them to
provide a sound foundation for more advanced work in each field, and to em-
phasize the crucial problem and methods of value judgment in all fields of
knowledge.

An encouraging beginning also was made with a special section of Fresh-
man mathematics in which major mathematical concepts, some of them or-
dinarily given only in advanced courses, were presented to students who did
not expect to elect any further mathematics.

Both of these developments reflect a tendency to regard each basic course
in the College as possibly *terminal* for the student, rather than as an intro-
duction to advanced courses which most students will not take.

A special faculty committee canvassed the opportunities for instruction
in the field of human relations and suggested a new line of work which is
being initiated in the Psychology Department this year.

**NON-ACADEMIC UNITS**

We have proceeded cautiously with the program of non-academic in-
struction directed at cultivating aesthetic perception, the creative use of ma-
terials, and related activities requiring independent judgment by students. As
a first step, a unit in music appreciation was offered last winter. This autumn
a small group of students are sharing in instruction in analysis of art offered
by the Barnes Foundation. The current year will see a full-scale trial of the
program with members of the Sophomore class, including music appreciation,
community service, and weekend work camps.

Of related interest was the continuation for a second year of the work
camp combining Spanish-language instruction and service work under the
auspices of the American Friends Service Committee in Mexico. During the
past summer the College joined with the American Friends Service Committee
in sponsoring, with the support of a grant from the Carnegie Corporation, a
careful appraisal of the educational values of work-camp experiences. We hope
that this appraisal will indicate the major benefits and difficulties of service
in work camps so that we will be better able to judge their proper place in a
college program which regards the development of courageous and effective
men as its central aim.

In this same direction, Haverford collaborated with Bryn Mawr and
Swarthmore last summer in sponsoring a unit of 30 students who worked
as attendants at the Norristown State Hospital and who lived on the Haver-
ford campus.
PLANT

The last of the "extraordinary" repairs resulting from long-deferred maintenance were completed during the year, with the rewiring of trouble spots in Sharpless Hall. A series of urgently-needed improvements in physical plant also were made with allocations from the Leeds Gift: new facilities were provided for members of the secretarial staff and for the janitors; the old faculty room was renovated; the chemistry laboratories were expanded; and physics laboratory equipment was repaired and renovated.

Recognizing the importance of a sense of social security in the whole College community, the College instituted a system of pensions and death benefits for non-faculty employees.

Faculty housing was the most difficult problem. At the beginning of the year we foresaw a housing shortage by this autumn, if retired members of the faculty were to be permitted to remain on the campus, and accordingly plans were made to build a modern four-unit apartment house to care for prospective needs. Although the resulting architect's plans were attractive, the contractor's bids were not, and it was decided to abandon any new construction. Instead, the Forman house on Oakley Road was purchased and converted into a language house, at the same time converting No. 2 College Lane into three apartments. That change, plus the purchase and conversion into apartments of the house at 773 College Avenue, and the conversion of the old carriage house into a residence, has given enough residential space to meet immediate needs. However, there are still faculty living off the campus who would like to find space on it.

ALUMNI

The completion of the Haverford Alumni Survey under the guidance of a special alumni committee yielded an extremely valuable analysis of the thinking on the part of a representative cross section of the alumni as to the future of Haverford. The survey reported the range and quality of alumni opinion on the objectives and methods of the College, it provoked a number of searching criticisms of the College, and it revealed several points where more information is needed or desired by interested alumni. It showed a high degree of agreement on such vital policies as the planned enrollment of 400, the emphasis on liberal arts subjects, the place of Fifth-Day Meeting for Worship, and the present admissions procedures. Without overlooking the many helpful criticisms and suggestions inspired by the survey, it may be said that the outstanding lesson from the survey is the unity among Haverford graduates in their aspiration that the College may continue to be a small, religiously centered community with high standards of teaching by inspiring men.
The past summer saw another forward step in alumni-college relations. An alumni committee with the counsel and help of Frank Watson carried out a Family Weekend in which 23 alumni families—including all the children—gave four days of residence on the campus to discussion of problems of child development and guidance. Expert care was provided for the children, while experienced physicians, psychiatrists and psychologists met with the parents. The College sought in this fashion to help its alumni in what is the most fundamental of all educational tasks and that which is most dependent upon sympathetic, intelligent parents—the guidance of the pre-adolescent child.

FINANCES

We have again completed the year with an operating gain, thanks to careful control of College expenditures and, particularly, to an unexpected and fortunately large rate of return from invested funds.

It must be remembered, however, that the College also was faced with the last of the large bills for extraordinary repairs incurred during the preceding two years, and that those costs slightly exceeded the operating gain.

This result was obtained without using the net income from the Alumni Fund for the year. Thus, we now are able to effect a change long advocated by alumni representatives and certain to add stability to College finances in the future: applying the Alumni Fund receipts to expenditures for designated purposes under the College budget. Now we can use the Alumni money in hand for specific projects rather than incur obligations for general purposes in the hope that the receipts will cover them before the year is out.

All of us who are close to the day by day operations at the College feel grateful for the alumni interest and concern that is expressed in the Alumni Fund contributions. They show a growing confidence, and they make possible important new improvements.

In addition to a growing Alumni Fund, it is a pleasure to report three class gifts presented to the College at Commencement time: the endowment of a new lectureship by the class of 1898; the renovation of the basement of the gymnasium by the Class of 1928; and endowment of a prize for outstanding service by student organizations by the Class of 1943.

Although the College endowment had remained almost stationary during the preceding 20 years, the past year saw the formal addition to its general endowment of a sum totaling more than $185,000. These additions included direct bequests of $103,000 from the estate of Parker Williams, '94, and $35,000 from the estate of Mary Comly. The College also became the beneficiary of the income from approximately $180,000 held in trust from the
estate of Henry C. Brown, ex ’65. Heartening as are these recently received bequests, it should be remembered that the College failed to enlarge its endowment over years when salaries and operating expenses increased greatly. We must now seek to remedy that deficiency.

After several months of earnest review of the College’s finances and public relations by representatives from the Board of Managers and the Alumni Association, it was decided last spring to appoint an additional member of the administrative staff to be responsible for the whole area of community relations, including fund raising and relations with the alumni. We were fortunate in obtaining Lester Haworth for that position. He enters into his duties as Vice-President with a broad experience in community service and a strong concern for Friends education.

THE ROLE OF A QUAKER COLLEGE

Most of the new developments during the past year are in the direction of perfecting a liberal arts College founded upon a firm, living tradition of Quakerism. Maintaining a small enrollment is essential to the common experience which fosters intellectual and spiritual growth. The changes in course offerings are calculated to expose the student as early and as widely as practicable to the making of value judgments, and to the major ideas and methods of thinking which are basic to wise judgment. The emphasis upon meeting for worship symbolizes a concern that shared religious experience and the discipline of meditation have a central part in the lives of men. The new non-academic units are designed to develop the habit of individual decision and to place the student in social situations calling for sympathetic and purposeful action. The whole working of the student government and very broad honor system is intended to build such habits of responsible action.

I feel that we are making substantial progress in that direction, finding new or more effective means of expressing this old concern for unified educational experience. We recognize a good many difficulties that remain, but we also can find evidence of some success in the quality of student growth in the classroom and of student life in the College community. To me, the most heartening facts revealed by the Haverford Alumni Survey are the very low divorce rate prevailing among our alumni, and the very high rate of participation as teachers or trustees in public and private education. These are more revealing of the quality of life which we seek to promote than are the pleasing statistics as to Haverford men who have made Who's Who or American Men of Science.
As a College we have a heavy responsibility to promote education with these objectives and these general methods. We can do that best by demonstrating them in action. The past year has shown that we have the resources of students and faculty, of concerned alumni, and of vital ideas with which to continue the demonstration that is under way.

GILBERT F. WHITE

STATISTICS FOR REPORT OF THE PRESIDENT

1947-1948

ENROLLMENT

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COMPOSITION OF THE STUDENT BODY, FALL SEMESTER, 1948

The student body represents 29 states. In addition, Honolulu, and the following foreign countries are represented: Nigeria, British West Indies, Canada, China, Costa Rica, England, France, Greece and Japan.

Students who are members of the Society of Friends number 69, or 12.42 per cent of the total.

REGISTRATION IN ACADEMIC COURSES

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**General Courses**

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*Statistics show the registrations for the Fall Semester of each year.*

**HAVERFORD STUDENTS at BRYN MAWRY**

- Biology: 1
- Classical Archaeology: 4
- Economics and Politics: 3
- English: 8
- Geology: 5
- German: 1
- History: 2
- History of Art: 31
- Music: 1
- Philosophy: 1
- Psychology: 8
- Russian: 5
- Sociology: 1
- Interdepartmental Course: 1

*This figure includes 24 registrations in the introductory course which is given at Haverford.*

**HAVERFORD STUDENTS at the UNIVERSITY OF PENNSYLVANIA**

- Business Law: 1

**DEGREES GRANTED, JUNE 12, 1948**

- A. B.: 93
- S. B.: 8
- A. M.: 7
- S. M.: 2

NINE
REPORT OF THE LIBRARIAN

1947-1948

The academic year 1947-48 was, if not hectic, at least a very busy one in the Library. Record-breaking student enrollment and an increase in the number of outside readers pushed circulation up to an all-time high. The new and exacting system of control for Reserve Books, which was adopted on the recommendation of the Student Council and put into successful operation during the year, was a considerable addition to the routine work of the staff. So greatly did the demand for carrels exceed the supply, that all of them—as well as a few odd nooks both in the old building and in the new—were assigned for definite periods to one or more students. The popularity of the carrels is a clear indication of their usefulness in creating a pleasant atmosphere for hard work. During this year, for the first time, all books acquired by Bryn Mawr College were recorded in our catalog. Interlibrary loans (370 volumes lent, 82 borrowed) were close to the high mark of 1944-45 (380 lent, 156 borrowed).

The Library Associates, under the presidency of our near neighbor, Samuel Scoville, Jr., had a successful year. Three meetings were held: Carl W. McCardle of The Evening Bulletin spoke on "Experiences in Russia," Robert P. Tristram Coffin of Bowdoin College read selections from his poetry, and the President of the Associates addressed the members on "Refuges and Escapes." To commemorate the donation of the four Shakespeare Folios by William Pyle Philips, '02, the publication of a pamphlet (Haverford College. Occasional Papers, No. 1) was authorized.

GROWTH OF THE LIBRARY

In spite of the devastating rise in the cost of books, more were acquired by purchase during 1947-48 than for some years past (1835 volumes). This was made possible by a second ten percent increase in book income from the Yarnall Fund (see last year's Library Report, page 15, paragraph 2) and by the current expenditure of the accumulated funds which had been laid aside for post-war purchases. Generous contributions were also made from the accumulated funds of the Library Associates. But the cost of books is still rising, and there is no further accumulation of reserve funds to draw on. The Library Committee, therefore, after careful study, recommended to the President of the College that means be found to increase our book funds from their present total income of approximately $6,500 to $10,000.
The number of books received by gift from year to year is naturally subject to great fluctuation. When all the books that were acquired by gift in 1947-48 shall have been duly cataloged and shelved, the number will amount to 1182 volumes—a very substantial increment, for which we are deeply grateful to our many friends. Actually, however, by August 31, 1948 (when the academic year officially ended) only 653 volumes of the total number acquired by gift had been fully "processed" and incorporated in our collections. The discrepancy is chiefly due to the fact that the two largest gifts of the year (1200 volumes from Henry C. Forman and 666 from the late Jessie Allen Page) were received at the end of the year. It should be noted, of course, that the number of volumes received from donors is always far in excess of the number finally incorporated in our library: duplicates are passed on to other institutions.

It must be confessed, however, that our handling of gifts is often exasperatingly slow. This is partly unavoidable, for we may suddenly receive a gift of a thousand books any day. Purchases, on the other hand, are so carefully weighed by all members of the faculty, that, except for a slight rush at the beginning of each semester, they tend to maintain a thin and steady stream throughout the year. It would be a great improvement, however, if means could be devised whereby gifts of books could be handled more expeditiously. A greater amount of elasticity in the staff work of the Library is clearly indicated, but that in turn is directly dependent upon enlargement of the Staff to the point where merely racing to keep up with necessary routine does not absorb all the time and energy of the librarians. Which leads me to my next topic.

PROBLEMS OF OPERATION

For the accomplishment of routine work and for carrying out a reasonable program of new projects, we were still understaffed in 1947-48. We had a staff of nine, including the Librarian. To do the library work which our present educational set-up demands, we should have a Staff of at least ten. The shortage was particularly felt during the past year in the acquisitions wing of the Library: ordering, cataloging, and binding were often delayed; and the incorporating of large gifts into our collections, as I have already said, was unduly protracted. But far more serious is the fact that important projects, of the kind that are always at hand in an organic and dynamic library, cry out for completion, but remain, year after year, unattended to: such as—

Improved plans and guides to assist readers in locating books;
Labeling of book cases and sections for quick identification of contents;
Rearrangement of books in the North Wing (upset by the installation of the new Reserve Book Room);
Revision of the card catalog to weed out anomalies which have crept in because of inevitable changes of policy over the years;
Erasure of obsolete items on catalog cards, such as the old “Stack” location, contrasted with the “Main Library”—a distinction which has been meaningless ever since the new building was erected;
Insertion of charging cards in every book in the Main Library (as has already been done in the Department Libraries), which would make our charging system much quicker and easier for the reader;
Typing of old hand-written cards now filed in the catalog;
Establishment of an abridged Card Catalog, containing author-cards only, for quick reference and for saving the casual reader from the necessity of wading through the complete bibliographical material needed by the scholar;
Revision of the Haverfordiana Collection, preliminary to relocating it in the room at the northwest corner of the old building (formerly the anteroom to the Storage Stack, which is now the Treasure Room: this new Semi-Treasure Room will accommodate archives and documentary materials of lesser value).

Many other projects might be cited; and future problems, now unforeseen, are sure to arise. We cannot remain static. Nor should we allow changes in educational policy to impose ever increasing burdens of routine work on the Library. The Library itself is a major educational department or division of the College, and it must be given the opportunity to be more than a mere “lending library.”

Naturally, during the crowded year just past, student assistance in the Library attained record-breaking proportions. The system of student helpers, obviously of great value to the Library and to the workers themselves, is not without beneficial influence on the morale of the whole student body, for it is one of our finest manifestations of student government. It may be doubted, however, whether it can be extended further. In particular, the addition of the Reserve Book Room has so enlarged the number of student helpers that positions can barely be adequately filled. Student help is necessarily intermittent and fluctuating; efficiency is strained by the need for employing many helpers on short shifts. I believe that we have just about extended the system to its limit; and when the student body shall have been reduced to the statutory 400, I am not sure that there will be sufficient help available. We shall then be faced with the difficult problem of employing outside help for evenings and weekends.
ALLOTMENTS AND BOOK FUNDS

As an aftermath (I presume) of the War, no change had been made in department allotments for four years. It was felt, therefore, that the time had come for a thorough revision of the schedule. Accordingly, the Library Committee gave the problem careful study, taking into consideration student election of courses and post-war trends and changes in the curriculum. The net result was to increase the allotments in chemistry, economics, political science, psychology, and physics.

Turning now to special funds, I call attention, with deep regret, to the shrinkage and final disappearance of the allotment for books from the W. D. and E. M. L. Scull Fund. (The entire income of this fund is now used for salary). The great collection of books and periodicals on Medieval and English Constitutional History, built up over the years by Professor Lunt through wise expenditure of the originally generous allotments from this fund, is one of the chief glories of the Haverford College Library. As long as a collection of books in any field of scholarship is kept alive and up-to-date, its educational value steadily increases; but the moment it is allowed to die and become a fossil (so to speak), its value declines with extraordinary rapidity. As a "closed" collection, its contents can only serve educational needs when used in conjunction with current books, situated in other libraries and never fully available to any one scholar at any one time. Inter-library loans—a relatively slow and expensive method for supplying books to scholars—do not make up the deficiency. Collections, moreover, which contain many sets of learned periodicals are particularly vulnerable to stoppages; once interrupted, periodicals can be restored only with the greatest of difficulty and at vastly increased expense. The "Lunt Collection" (if I may so designate it) is famous for containing practically all of the local historical societies and pertinent government publications of Great Britain (some thirty-five in number), not to mention the ordinary run of historical periodicals. I feel no hesitation, therefore, in saying that the most serious problem now confronting the Haverford Library is the maintenance of funds for carrying on the "Lunt Collection," whether through restoration of Scull Fund income or through the raising or allocations of new funds for this purpose. Current makeshifts by which the periodicals are being maintained will peter out within a year; the purchase of books has practically ceased. The scholarly reputation of the Library and of Haverford College is at stake.

THE IDEAL OF THE WORKABLE SMALL-COLLEGE LIBRARY

A recent event in the library world presents, I believe, a final vindication of the small college as the ideal unit of undergraduate life. For many years
we have witnessed the establishment of "houses" or "colleges" in our great universities (such as Harvard and Yale), whereby the unwieldy student-body was divided up into manageable groups, averaging about 200 members (half the size, be it noted, of Haverford's 400—have the universities the advantage after all?). The latest development, however, in untangling and unscrambling the universities is the establishment of the Lamont Library at Harvard, a separate collection of books in all fields for undergraduate use only. (The Widener Library, with its four or five million books, has proved to be a labyrinth in which the undergraduate—if admitted at all—gets hopelessly lost). The number of volumes in the Lamont Library will be limited, if I am not mistaken, to about 200,000—which is roughly the present size of our own Library and a little less than that of Bryn Mawr. In my opinion, this figure (perhaps as much as 250,000), under existing educational conditions, should be approximately our on-campus limit. Beyond this figure we should, on the one hand, assiduously discard our deadwood, and, on the other hand, look to the establishment of a cooperative, centrally-located storage building for the less-used books from the libraries of all the institutions on the Main Line.

STATISTICS

The total number of volumes in the Library at the end of August, 1948, was 174,616. During the past year, 2718 volumes were added: 1835 by purchase, 653 by gift or exchange, and 230 from the United States Government for our Government Depository Collection. Many more books and pamphlets were received from the Government, but not cataloged. 131 books were discarded.

Gifts of one or more volumes were received from over a hundred donors—students, faculty, friends, and educational institutions. The larger gifts were as follows:

From Henry C. Forman, 1200 books and pamphlets, formerly in the Forman House, now the Language House of the College.

From Jessie Allen Page, a member of the Library Associates, 666 books on history, art, literature, music, and travel—a welcome addition to our collections for the "general reader."

From A. Jardine Williamson, seven volumes of Life and 272 books on all subjects.

From Robert Barrie, a member of the Library Associates, 74 books, mostly on art.

From Perry A. Hunter, 24 volumes.

From C. Dexter Jones, 22 volumes.

From Horace R. Hayday, 21 books to be added to the Collection on World War I.
From Allan S. FitzGerald, 17 "Book Club" volumes.
From K. A. Auty, 14 volumes of Lillywhite's and M. C. C. cricket scores, besides a number of other books on cricket.
From Rufus M. Jones, 10 volumes of additions to the Collection on Mysticism and the Collection of his own works.
From G. D. McDonald, 9 volumes.
From Victor Schoepperle, 9 volumes.
From J. Duncan Spaeth, 8 volumes of recent publications on literature and current events.
From Mrs. John S. Sharpe, 8 volumes.
From the Library of
   Anna B. Thomas, 8 volumes.
   Walter W. Pharo, 8 volumes.
   William T. Sharpless, 8 volumes.
Two valuable pieces of furniture were donated to the Library during the year:
From Mrs. Brooks Semple, a large mahogany bookcase with glass doors.
From Dr. Ethel G. Pierce, a large round mahogany table.
The total circulation of books outside the Library was 28,196. Of this number, 3,711 were lent to the faculty, 19,648 to students, and 4,837 to borrowers not connected with the College. The total number of reserve books lent was 23,363. The number of books in use in carrels was 1,510. For interlibrary loans see section 1 of this report.
We continue to send our serial holdings to the H. W. Wilson Co. for publication in the Union List of Serials, and we transmit cards to the Philadelphia Union Catalog and to Bryn Mawr College for all books cataloged by us. Bryn Mawr in turn now sends us a complete record of its new acquisitions, which we incorporate in our catalog.

Dean P. Lockwood
Librarian

REPORT OF THE CURATOR OF THE QUAKER COLLECTION 1947-1948

Haverford's Quaker books and manuscripts, and her other rarities which fill the Treasure Room and overflow into the rest of the building, give our Library its chief claim to distinction; and the use to which these treasures are put determines their significance. Readers, visitors, and the staff who serve
them, distinguish the Treasure Room from the dusty, useless depository that it might be, and the vital place it is. It is gratifying to report that the circulation of Quaker books among students has grown this year with the growth of our peace-time student body, particularly in the autumn term when William W. Comfort offered a course on the History and Philosophy of Quakerism. More Freshman visited and used the Quaker Collection than ever before, stimulated perhaps by the four interpretative lectures on the Society of Friends which they heard at the opening of College, and by the Curator's conducted tours of the Treasure Room for all new students. On Spring Day we had more visitors—students and their parents—than at any time since the dedication of the Treasure Room in 1942. On Commencement too a goodly number of friends old and new came in to see us, but not as many this year as on the new festival day in May.

The four meetings of the Library Associates, while not on Quaker subjects, brought many of the Library's most devoted friends to the Treasure Room again. For three of the meetings we prepared special exhibits—Russian magazines and newspapers for Carl McCardle, bird and flower paintings by Jacob B. Abbott and Hugh E. Stone for Samuel Scoville, Jr., and books and autographs of William James for Barrows Dunham. We displayed the William Penn books, the Shakespeare folios, and other recent gifts at different times, and felt gratified to be able to furnish rare Bibles and some Alexander Pope manuscripts from the Roberts Collection for exhibitions of the Bryn Mawr College Library.

Twenty-two scholars and research students came to Haverford in person—some, like Henry J. Cadbury, many times—to consult our treasures. From Mexico, Jamaica, and Spain; from Georgia, Ohio, California, New York, Illinois, Maryland, and the District of Columbia, men and women journeyed to Haverford to use our resources in the preparation of articles, essays, and books on Quaker subjects. Several of the year's publications, such as William W. Comfort's study of William Penn and our Liberties; and his pamphlet, The Quakers: A Brief Account of Their Influence on Pennsylvania; Emily Moore's biography of Thomas Story; and Edward D. Snyder's edition of letters from John Greenleaf Whittier to William J. Allinson, drew at least part of their material from Haverford. Emily Moore, working in England, got her Haverford assistance by mail, as did sixty-five other inquirers who wrote seeking information on all kinds of subjects, from Quakers in Russia to Quaker limericks, from Prudence Crandall, the Quaker abolitionist school teacher, to Joshua Humphreys, the Quaker builder of fighting frigates. Were the Arch Street records deposited at Haverford, as those of Race Street Friends are at

[sixteen]
Swarthmore, we should have many more inquiries—especially those of a genealogical nature—than our present staff could possibly answer. As it is we keep up with the work in the Treasure Room proper. Our great handicap during the past year, for which no immediate relief seems in prospect, lay in the inability of the cataloging department of the Library to take care of all the demands upon it. Books for College classes come first with the catalogers, and Quaker books have had to wait. We hope that in spite of the extraordinary shortage of trained librarians and the extraordinary salaries which even beginners are asking, the Library may soon be able to employ enough skilled people to break the log-jam of books, Quaker and non-Quaker.

Our Quaker staff enjoyed the agreeable and useful visit in December and January of Muriel A. Hicks, who came to Haverford from her post as Assistant Librarian in the Friends Library in London. Her visit was part of a general exchange of assistant librarians between London on the one hand, and Haverford and Swarthmore on the other. Haverford's return visit will take place next spring, when Anna B. Hewitt, our Assistant Curator, goes to London for two months to learn the ways of the Friends Library there.

The growth of our collection comes about in three ways; by gifts of special funds, by gifts of books, manuscripts, microfilms, maps and pictures, and by purchase from the income from our regular funds—the Jenks fund, the Longstreth fund, and the W. W. Comfort fund. Two most generous gifts of purchase funds came to us this year; the Book Association of Friends of Philadelphia contributed thirty-five dollars for current Quaker books, and Henry Vogt, of Summit, New Jersey, father of Roy Vogt of the Class of 1941, gave Haverford $1000 "for the purchase of Quaker literature." Roy Vogt himself presented to the Roberts Collection three years ago an autograph of Adolph Hitler, which he had himself secured at the Olympic Games in 1936. His father's notable gift, which came through Vice-President MacIntosh, will be used to acquire the unusual and rare Quaker volumes which income from our regular funds does not permit us to buy. Our initial purchase with the Vogt fund was the rare first edition, in its original leather binding, of William Bartram's famous *Travels through North and South Carolina, Georgia, East and West Florida.* (Philadelphia, 1791).

This year our purchases of Quaker books, some new, some old, differed little in numbers from last year: 125 as compared to 123. The number of gifts dropped from 127 to 72, partly because we received no large collections this year, partly because gifts come in at irregular intervals. We always welcome gifts, for usually they amount to as many or more volumes as our purchases, and many times they include rare books which seldom appear on the
market at all, and then at prohibitive prices.

This year's gifts include, for instance, the rare botanical writings of the Quaker botanists, William Darlington and Humphry Marshall, from the estate of Dr. William T. Sharpless. Three rare anti-Quaker pamphlets also came our way: one from George R. Allen, of the Class of 1940, a Ph. D. dissertation published in Rostock in 1707 on the philters or "Quaker-Pulver" used by English and Dutch enthusiasts; two from Henry J. Cadbury, of the Class of 1903, when he spoke in Collection in March on his hobby of Quaker book collecting. Professor Cadbury did not limit himself to anti-Quaker gifts, however. From George Fox's personal library he gave Haverford a copy of *Truth Vindicated and the Lyers Refuge Swept Away*, an answer by John Pitman and Jasper Batt (1658) to one Thomas Collier's *A Looking Glass for Quakers* (1657). We still need Collier, but meanwhile another bit of anti-Quakeriana came to us from Carroll Frey, Editor of the Penn Mutual Life Insurance Company: a typewritten copy of a scurrilous attack on Penn, "History of William Penn's Conversion From a Gentleman to a Quaker." Two Quakerly books of special interest were deposited in the Library by members of the Elkington family: the first American edition of William Penn's *The Harmony of Divine and Heavenly Doctrines* (New York, 1822), by Peter W. Elkington of the Class of 1949; and the second edition (London, 1821) of Priscilla Gurney's famous *Hymns*, from Katherine W. Elkinton.

The Gurney family figures largely in our report this year, as it did last. Mary W. Shoemaker has added to her gift of the Opie portraits of Joseph John and Eliza P. Gurney, two daguerreotypes—one of Joseph John and Eliza, together with John Henry Gurney and Anna Gurney Backhouse; the other of Elizabeth Gurney Fry—and a water color portrait of Joseph John Gurney which, like the pastel portraits by Amelia Opie, once belonged to Eliza Gurney herself. We do not know the name of the artist, but circumstantial evidence suggests that he may have been William J. Allinson, the Quaker editor, poet, and artist of Burlington. C. Wilfred Conard also gave us a tiny daguerreotype of Eliza Gurney in a different pose from the other portraits at Haverford. Altogether we received forty-five pictures and photographs during the year.

While our gifts of books declined in numbers, our gifts of Quaker manuscripts rose from 64 a year ago to 821 this year. Helen Sharpless gave manuscripts and books belonging to her father, President Isaac Sharpless, and her uncle, Dr. William T. Sharpless. Friends Historical Association placed a large number of their manuscript treasures here; Mary R. Williams gave us manuscripts of Jesse Kersey on slavery, capital punishment, and other subjects; Peter Elkington gave a deed to "Fairmont," signed by William Penn;
Jonathan M. Steere gave a letter-book of Jonathan Richards relating to work among the Indians, 1871-1873; Wilfred Conard deposited at Haverford the manuscript and printed reports of the “Earnest Workers,” a young Friends’ philanthropic organization which flourished at Twelfth Street Meeting at the turn of the century; the late John W. Cadbury, Jr., gave us papers of Richard T. Cadbury (1853-1929); Mrs. Edward Woolman transmitted from the Genealogical Society of Pennsylvania 112 letters and other papers of various American Friends; William Bacon Evans contributed 278 manuscripts, a photograph, and fifty-eight books to the Quaker Collection and the Roberts Collection.

We have also received Quaker manuscripts, books, photographs, photo-stats and other items from George Edward Otto, Edward Woolman, Mrs. George C. Wolkins, the late Rufus M. Jones, Friends Historical Library (Swarthmore), Charles E. Hires, Jr., William Smith, Samuel B. Sturgis, the estate of Walter L. Moore, the estate of Anna Braithwaite Thomas, Mary R. Williams, Mrs. Howard G. Taylor, Paul S. Cadbury (Birmingham, England), Harry Harrison, Jacob Andrews Longacre, Mary Ridgway, Don Yoder, Theodore Hetzel, Friends Library (London), the estate of Horace B. Forman, Jr., Susanna Smedley, Fred Lockley, Warder Cadbury, and Mrs. Edward Y. Hartshorne.

Among the four manuscript volumes which have been deposited at Haverford this year was the Oxford University Ph. D. thesis (1935) of Anne Gary Pannell, now of the University of Alabama; her important study of “The Political and Economic Relations of English and American Quakers, 1750-1785” came to us through the good offices of Muriel A. Hicks. A Haverford M. A. thesis in the Philosophy Department last year was written largely from our Quaker Collection: Wilmer A. Cooper, “The Ethical Implications of Quaker Participation in Politics.” Francis J. Dallett, Jr., an undergraduate, also presented the College with the manuscript of his original study of Francis Collins, an early New Jersey Friend.

The microfilm reader in the Treasure Room is proving useful to other departments besides the Quaker Collection. We purchased two films of Quaker interest—“Letters of William Dewsbury” from Friends Library in London; and “A Journal of a Trip through Kansas and Canada in 1859 by Eleazer Bales,” from the Indiana State Library. William L. Hires, of the Class of 1941, permitted us to make a film copy of a recently discovered volume of recollections (1841-1857) of two Haverford students, Thomas and John Stewardson.

Howard M. Teaf of the Economics Department deposited a film copy of the

NINETEEN]

The Charles Roberts Autograph Collection received forty-one additions during the year, including autographs of Theodore Roosevelt and Maxfield Parrish from Helen Sharpless; of Woodrow Wilson, from Mrs. Isaac Sharpless; another Wilson letter from Stanley R. Yarnall, together with autographs of Lord Bryce, Andrew Carnegie, Booker T. Washington and others; a letter from Joseph Pennell, presented by Esther W. Thomas; of Woodrow Wilson, from Mrs. Isaac Sharpless; another Wilson letter from Stanley R. Yarnall, together with autographs of Lord Bryce, Andrew Carnegie, Booker T. Washington and others; a letter from Joseph Pennell, presented by Esther W. Thomas; an original holograph sermon by Albert Schweitzer, from the late Jessie Allen Page through Dean P. Lockwood; and a variety of interesting contemporary letters from William Mintzer Wills. Finally, Christopher Morley gave us something which is hard to classify but will interest lovers of pre-war London—a piece of ruby glass from the old leaded windows of St. Giles Cripplegate. Christopher Morley found this relic of the beautiful church in which Cromwell was married and Milton buried, when on a recent trip to London he visited the rubble heap which is all that was left by the Blitz.

Cooperation with the Friends Historical Library at Swarthmore continues, with joint staff meetings twice a year and frequent exchange of information and duplicate books. Friends Library in London is also generous with duplicates and other aid. Other depositories, such as the Record Department at 304 Arch Street, the Historical Society of Pennsylvania, and, through Henry Cadbury’s good offices, Harvard University Library, aid us in our mutual task of preserving and making useful the record of our Quaker past. Through Friends Historical Association and its Bulletin, which is edited at Haverford, we work with others to keep alive the memories of the early Friends, to inspire us of this generation, and to preserve the Quaker heritage for Friends of the future.

THOMAS E. DRAKE
Curator
REPORT OF THE MORRIS INFIRMARY
1947-1948

The report of house patients is as follows:

<table>
<thead>
<tr>
<th></th>
<th>1947-1948</th>
<th>1946-1947</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patients admitted</td>
<td>120</td>
<td>92</td>
</tr>
<tr>
<td>Total time (days)</td>
<td>438</td>
<td>347</td>
</tr>
</tbody>
</table>

Diseases are classified as follows:

- Grippe and respiratory: 68
- Intestinal: 19
- Joint conditions: 2
- Miscellaneous: 31

Total number visits of dispensary patients:

<table>
<thead>
<tr>
<th></th>
<th>1947-1948</th>
<th>1946-1947</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical</td>
<td>3329</td>
<td>3073</td>
</tr>
<tr>
<td>Surgical</td>
<td>1433</td>
<td>1377</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>4762</strong></td>
<td><strong>4450</strong></td>
</tr>
</tbody>
</table>

Conditions are classified as follows:

- Upper respiratory: 822
- Fractures: 8
- Sutures: 7
- General: 983

Herbert W. Taylor, M. D.
PUBLICATIONS AND ACTIVITIES OF THE FACULTY

1947 - 1948

ALLENDORFER, CARL B.
Associate Editor, American Mathematical Monthly.
Abstractor, Mathematical Reviews.
Vice-president, Mathematical Association of America, 1947-1948.
Professor in Summer Session, New York University, 1948.
Consultant, Bomb Damage Project, Lehigh University.
Treasurer, Main Line Cooperative Association, Bryn Mawr, Pa.

ASENSIO, MANUEL J.

ASHMEAD, JOHN JR.

BAER, JOHN E.
Chairman, Young Friends Committee, Friends General Conference, Cape May, N. J. 1948.

BENFEY, O. THEODOR
Articles: "Reaction of Mercuric Nitrate with some Primary and Secondary Alkyl Bromides," J. Am. Chem. Soc. 70, No. 6 (June 1948), 2163-2170.
"The Mechanism of Reaction of Alkyl Halides," Journal Club of Chemistry Department, Bryn Mawr College, April 1948.
Address to Philadelphia Young Friends Retreat, Kirkridge, Pa., May 1948.

TWENTY-TWO
BENHAM, THOMAS A.


BERNHEIMER, RICHARD M.


BRUNS, FRIEDRICH

Professor of German in the summer session of the University of Pennsylvania.

CADBURY, WILLIAM E., JR.

Member of Committee in Charge of Westtown School.
Clerk, Haverford Monthly Meeting.

COMFORT, HOWARD

"Two Necessary Revolutions," Human Events, 5, No. 23 (June 9, 1948).
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.
Director, Osborne Association.

COMFORT, WILLIAM W.

Reviews: Moore, Travelling with Thomas Story: the Life and Travels of an Eighteenth-
TWENTY-THREE]
Century Quaker, in Penna. Mag. of Hist. and Biog., 72, No. 3 (July, 1948), 285-286.


President, Friends Historical Association.
President, Bible Association of Friends in America.
President, Sleighton Farm School for Girls.
Member of Council, Historical Society of Pennsylvania.

de GRAAF, FRANCES


Councillor of National Board and Vice-President of Pennsylvania Chapter of American Association of Teachers of Slavic and East European Languages.

DRAKE, THOMAS E.


Nichols, The Disruption of the American Democracy, in The General Magazine and Historical Chronicle, 50, No. 4 (Summer, 1948), v-vi.

Editor, Bulletin of Friends Historical Association.

Member, Board of Directors, Friends Historical Association.
Member, Board of Directors, Pendle Hill.
Member, Board of Managers, The Friend (Phila.).

DUNN, EMMETT R.


Curator of Reptiles and Amphibians, Academy of Natural Sciences, Philadelphia.
Research Associate, Department of Amphibians and Reptiles, American Museum of Natural History.

EVANS, FRANCIS C.

FETTER, FRANK WHITSON


FLIGHT, JOHN W.

Digests of articles on archaeology in foreign-language periodicals, in *Amer. Jour. of Archaeol.*, 51, No. 4; 52, No. 1, 2.

Associate Editor, *Journal of Bible and Religion*.

Lectures: Weekly adult group lectures, Bryn Mawr Presbyterian Church.
Methodist Young People's Mid-winter Institute, West Chester, Pa., February 13, 1948.

Preaching Engagements: South Congregational Church, Hartford Connecticut, August 1, 1948.
First Congregational Church, Norfolk, Connecticut, August 22, 1948.
President and Member of Council, Society of Biblical Literature and Exegesis, 1948.

FOSS, MARTIN


Preaching Engagements: Baptist Church, Bala-Cynwyd, November 30, 1947.
Episcopal service, Bryn Mawr College, December 7, 1947 and May 2, 1948.

GLENDENING, FRANK S.


Vice President, Pennsylvania Institute of Certified Public Accountants.

GRAY, J. GLENN

Articles: "Munich University: Class of '50" Commentary, 5, No. 5 (May, 1948), 440-448.

GREEN, LOUIS C.

Recipient of Naval Research contract for research in astrophysics, particularly atomic wave functions.
Referee for astronomical manuscripts for the Macmillan Company.

HAWORTH, LESTER C.
Member of the Executive Board of the American Friends Service Committee.
Member of the Quaker House Committee.

HENRY, HOWARD K.
Vice-President, The Pennsylvania Forestry Association.

HERNDON, JOHN G.
Editor, *Winston's Tax Digest*.
Editor, *Business Administration* (1948 edition, 8 vols.)
Director, United Nations Council of Philadelphia.
Director, Genealogical Society of Pennsylvania.

HETZEL, THEODORE B.
Member of Board, Philadelphia Section, Society of Automotive Engineers.
Member of Board, Haverford Community Center.
Vice-Chairman, AFSC Work Camp Committee.
Vice-Chairman, Philadelphia Community Chest, Colleges and Universities Group.

HOAG, GILBERT T.
Dean, AFSC Foreign Service Seminar, Camden, Maine, Summer 1948.

JONES, RUFUS M.
"Religion and Scientific Knowledge," *Earlhamite*, vol. LXVII. No. 4 (Fall 1947), p. 16.
118-122, also in Friends Intelligencer, vol. 105, No. 16 (Apr. 17, 1948), pp. 219-20.


Lincoln University, Dec. 12, 1947.


Wooster College Chapel, Nov. 9, 1947.


Bryn Mawr Presbyterian Church., Jan. 11, 1948.


JONES, THOMAS O.


KELLY, JOHN A.

Editor, German Literature Division, National Encyclopedia, New York, Crowell- Collier Company.

LESTER, JOHN A., JR.


LOCKWOOD, DEAN P.

Editorial Work: Section Editor responsible for Renaissance Latin translations in Mediaeval and Renaissance Latin Translations and Commentaries, Annotated Lists and Guides.

LUNT, WILLIAM E.


MACINTOSH, ARCHIBALD

Custodian, College Entrance Examination Board.
Member of Board of Trustees, Episcopal Academy.
Member of Board of Overseers, William Penn Charter School.

MELDRUM, WILLIAM B.

Associate Editor, Journal of the Franklin Institute.
Alternate Councilor, American Chemical Society.
Chairman, Student Chemists Committee, Phila. Section, American Chemical Society.

OAKLEY, CLETUS O.

Chairman, Joint Committee on Publicity, American Mathematical Society, Mathematical Association of America, and Institute of Mathematical Statistics.
Editor, Mathematical sections, Collier's Encyclopedia.
Professor in the Summer Session, University of Texas, 1947.

PEPINSKY, ABE

Referee for articles in Acoustical Journals written by members of staff at Navy Electronics Laboratory, San Diego, Cal.
"Psychology of Music": weekly lectures on musical acoustics, Philadelphia Music Academy.


Director of Main Line Community String Ensembles, Bryn Mawr, Pa.

PFUND, HARRY W.

Member, Editorial Board, American-German Review.

Lectures: "Quaker Relief in Germany," "Some Aspects of Reconstruction in Germany," "Democracy's Stake in German Recovery," on twenty occasions before college, church and civic audiences in Philadelphia area and Pittsburgh, Pa.

Director, Carl Schurz Memorial Foundation.

Director, German Society of Pennsylvania.

Secretary, American Relief for Central Europe, Inc.

POST, L. ARNOLD


Dunkin, Post-Aristophanic Comedy: Studies in the Social Outlook of Middle and New Comedy at both Athens and Rome, in Classical Philology, 43, No. 3 (July 1948), 210-11.

Editor, Loeb Classical Library.


Lecture 8, Menanders Comedy, was repeated at Stanford University, May 6, 1948, at University of California in Los Angeles, May 14, 1948, and at College of the Pacific, Stockton, Calif., May 20, 1948.

"Feminism in Greek Literature," Classical Association of the Pacific States (Central Section), Berkeley, California, April 17, 1948.


REESE, WILLIAM H.


Head of the Music Department, Franklin and Marshall College.


REID, IRA DE A.


TWENTY-NINE]


Assistant Editor, *American Sociological Review*.


Commencement Addresses: LeMoyne College, Memphis, Tenn.; Bluefield State College, Bluefield, W. Va.; Georgia State College Savannah, June, 1948.

Member, Federal Advisory Council, United States Employment Service.

Director, Survey of the Program of The Penn School (Frogmore, S. C.), 1947-48.

Professor, Summer Session, Garrett Biblical Institute, 1948.


Program Director, Ship Orientation Program (Institute for International Education and AFSC), S. S. Marine Tiger, Summer, 1948.

SANFORD, FILLMORE H.


"Is Individualism Dying in America," University of Maryland, May 1948.

"An Experimental Approach to Group Leadership," Research Colloquium, Bethesda Naval Hospital, April, 1948.

Senior investigator for research under contract between the University of Maryland and the Office of Naval Research.

SARGENT, RALPH M.


Trustee, Highlands Museum and Biological Laboratory, Highlands, N. C.

Board of Visitors, Union College, Schenectady, N. Y.

[THIRTY]
SNYDER, EDWARD D.


SOMERS, HERMAN M.


Consultant, Economics of Motion Picture Industry—Distribution and Exhibition; Miller, Sher, and Oppenheimer, Washington, D. C., 1947-48.


STEER, ALFRED G., JR.


STEERE, DOUGLAS V.


"Miracle in Frankfurt," The Friend (Phila.), 121, No. 10 (Nov. 6, 1947), 147-148.
"Jericho Road Again," The Friend (Phila.), 121, No. 16 (Jan. 29, 1948), 251-252.
"A Swedish Quaker Experiment in Reconciliation," The Friend (Phila.), 121, No. 22 (April 22, 1948), 345-347.
"Boimendau," The Seeker (London), 5, No. 3 (1948), [5-10].
"Letters from Douglas Steere," mimeographed and sent out by AFSC, Philadelphia.

Reviews: Bloy, Pilgrim of the Absolute, in Journal of Religion, 27, No. 4 (October
Lectures: The Hoyt Lectures for 1947 (four lectures), Union Theological Seminary, New York.
Virginian Diocesan Lecturer for 1948 (five lectures), Richmond, Virginia.
Danforth Foundation Lecturer, 1948 (five lectures), Shelby, Michigan.
Chairman of the Board, John Woolman Memorial Association.
Vice-Chairman, Fellowship of Reconciliation.
Member of Board, Pendle Hill.

SUTTON, RICHARD M.


Articles: "Science is a Tool," The Society Kit (Presbyterian Board), No. 16 (1948), pp. 1-4.
"Grandfather Was Not So Dumb," Science Counselor, 11, No. 1 (March 1948), 7-23.
"Simplicity in Demonstrating Physics," The Science Teacher, 15, Nos. 1 and 2 (February and April, 1948), pp. 22-23, 64-65.
"Free Men" (verse), The Friend (Phila), 121, No. 20 (March 25, 1948), 306.

"Atomic Energy, End or Beginning?" World Federalists, University of Pennsylvania, April 17, 1948.

Chairman, Westtown School Committee.
Examiner in Physics, College Entrance Examination Board.
Member, Haverford Friends School Committee.

SWAN, ALFRED J.

Reviews: Seroff, The Mighty Five, in Notes, V, No. 3 (June, 1948).

TEAF, HOWARD M., JR.

"What Price E. R. P.?

League of Women Voters, Haverford Township, February 18, 1948.
Chairman, Scandinavian Committee, AFSC Foreign Service Section.
Member of Board of Directors, Main Line "School Night" Association.
Member of Labor Panel, American Arbitration Association.
Member of Selection Committee, Pepsi-Cola Graduate Fellowships.

WATSON, FRANK D.

Articles: "Running Home and Household," (with Amey E. Watson), in Becker and Hill (editors), Marriage and Parenthood (Boston, D. C. Heath, 1948), chapter 18, pp. 532-537.


WENCELIUS, MARTHE C.

"French Existentialism," Colby-Swarthmore Summer School, August 1948.
Professor, Colby-Swarthmore Summer School, summer 1948.

WYLIE, LAURENCE W.

Reviews: Soupault, Eugene Labiche, in Symposium, II, No. 1 (May, 1948), 139-142.
Associate Editor: Symposium.
President, Philadelphia Chapter, American Association of Teachers of French.
Chairman, AFSC, Work Camp Committee.
REPORT OF
TREASURER AND COMPTROLLER
OF
THE CORPORATION OF HAVERTON COLLEGE
FOR YEAR ENDING EIGHTH MONTH 31, 1948

December 1948
Haverford College Bulletin

REPORT OF TREASURER AND COMPTROLLER OF THE CORPORATION OF HAVERTOWN COLLEGE FOR YEAR ENDING EIGHTH MONTH 31, 1948

Volume XLVII Number Four

December 1948
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PAUL W. BROWN..............................Downingtown, Penna.

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WILLIAM E. CADBURY................225 South 15th St., Phila.
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DR. JONATHAN E. RHOADS..........................4023 Pine St., Phila.4

Term Expires 1951

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WILLIAM B. BELL..................................Rockefeller Plaza, New York, N. Y.
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WILLIAM P. PHILIPS, Term Expires 1951........200 W. 56th Street, New York 19

FACULTY REPRESENTATIVES

Term Expires 1949
JOHN W. FLIGHT

Alternates: 1948-49; Thomas E. Drake and Cletus O. Oakley

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S. EMLEN STOKES

Secretary of Board
W. NELSON WEST, III
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JONATHAN E. RHOADS

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STANLEY R. YARNALL
M. ALBERT LINTON
MORRIS E. LEEDS
GARRETT S. HOAG

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ALEXANDER C. WOOD, Chairman
WILLIAM WISTAR COMFORT

WILMOT R. JONES
WILLIAM P. PHILIPS

Counsel
MacCOY, BRITTAIN, EVANS, AND LEWIS
1632 Chestnut Street, Philadelphia

1Term Expired: Tenth Month 1948
2Term Began: Tenth Month 1948
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A.B., Haverford College; M.A., Columbia University
Vice President and Director of Admission

LESTER HAWORTH
S.B., Earlham College
Vice President

GERTRUDE MANN WONSON
B.S., Simmons College
Admissions Office

GILBERT THOMAS HOAG
A.B., Haverford College; A.M. and Ph.D., Harvard University
Dean

ABRAHAM PEPINSKY
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Ph.M. and Ph.D., The State University of Iowa
Registrar

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Assistant Registrar

ALDO CASELLI
D.S.E. and C., University of Naples
Comptroller and Business Manager

DEAN PUTNAM LOCKWOOD
A.B., A.M., and Ph.D., Harvard University
Librarian

THOMAS EDWARD DRAKE
A.B., Stanford University; M.A., University of Michigan; Ph.D., Yale Univ.
Curator of the Quaker Collection

AMY LYDIA POST
A.B., Earlham College
Assistant Librarian

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.C.E., University of Pennsylvania
Superintendent

MRS. ETHEL ELIZABETH BEATTY
Dietician

BENNETT SMEDLEY COOPER
B.S., Haverford College
Alumni Secretary and Assistant to the President
THE CORPORATION OF HAVERFORD COLLEGE

OPERATING STATEMENT

For the Year Ending 8th Month 31, 1948

Receipts at College applying to Budget ................ $585,566.47
Less Tuition from Scholarship Funds .. $ 22,165.00
Less Tuition paid from Donations..... 1,000.00 23,165.00

Income from Funds, applicable to Budget

General Funds ......................... $208,937.40
Scholarship Funds (as above) ........ 22,165.00 231,102.40
From Estate of Parker S. Williams
Before receipt of Bequest .......... 2,343.66
From Trust of W. Percy Simpson
Through Provident Trust Company,
Trustee .............................. 2,880.18
From Trust of Henry C. Brown
Through Pennsylvania Company for
Banking & Trusts, Trustee ....... 2,089.28 7,313.12

Donations applicable to Budget

For Salary ................................ $ 1,000.00
For Scholarships (as above) ........ 1,000.00
For Care of Cope Field .............. 50.00
For General Purposes ............... 41.80 2,091.80

Interest Received ...................... 1,757.38

Total Receipts ................................ $804,666.17

Expense of Running the College
as per following statement ............... $785,241.60
Add Salary covered by Donation (as above) .. 1,000.00

Total Expenses .......................... $786,241.60

Operating Gain for 1947-1948 .............. $ 18,424.57
Debt of the Corporation 9th Month 1, 1947

For Accumulated Deficits...................... $ 10,898.18
For Extraordinary Repairs..................... 103,455.43

$114,353.61

Increased: -
By Extraordinary Repairs completed
1945-1947............. $103,455.43
1947-1948............. 21,691.04

$125,146.47

Decreased: -
By Donation for Corporation Debt..... $ 500.00
By Old Checks Outstanding cancelled.. 39.66
By Operating Gain of Year
Applied to Accrued Deficits
(now liquidated).... $10,898.18
Applied to Extra-
ordinary Expenses... 7,526.39

18,424.57 18,964.23

Net Increase of Debt................................. 2,726.81

Debt as of 8th Mo. 31, 1948
All for Extraordinary Repairs.................... $117,080.42
## REPORT ON THE FUNDS

### Funds for General Purposes

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**Forward**: $3,249,418.50 $12,995.00 $3,262,413.50 $172,840.73 $168,190.73 $4,650.00
## REPORT ON THE FUNDS (Continued)

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<th>Book Value Sept. 1, 1947</th>
<th>Increased</th>
<th>Decreased</th>
<th>Book Value Aug. 31, 1948</th>
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1. $4,712.25 is the total of the Net Income column under the Fund for T. Wistar Brown Graduate School.
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<td>$161,642.61</td>
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<td>2,890.62</td>
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<td>Class of 1917 Scholarship Fund</td>
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<td>Sarah Tatum Hilles Memorial Scholarship Fund</td>
<td>75,534.58</td>
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<td>4,015.57</td>
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<td>15,078.73</td>
<td>15,078.73</td>
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<td>886.72</td>
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<td>Christian Febiger Scholarship Fund</td>
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<td>8,000.00</td>
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<td>15,000.00</td>
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<td>Joseph L. Markley Memorial Scholarship Fund</td>
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<td>5,000.00</td>
<td>148.01</td>
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<td>Daniel E. Davis, Jr. Memorial Scholarship Fund</td>
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<td>3,000.00</td>
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| Augustus Taber Murray Research Scholarship Fund | 22,411.37 | 48.75 | 22,460.12 | Dr: 30.69 | 1,159.32 | 980.00 | 148.63 |

| Forward | $172,717.89 | $9,010.27 | $220,327.64 | $194,370.06 | $26,749.27 | $8,218.58 |

1. 500.00

2. 11.48

3. 5.73

4. 462.57

5. 329.49

6. 192.91

7. 529.49

8. 192.91

9. 113.82

10. 1387.49

11. 462.57

12. 529.49

13. 192.91

14. 113.82

15. 462.57

16. 529.49

17. 192.91

18. 113.82

19. 462.57

20. 529.49

21. 192.91

22. 113.82

23. 462.57

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71. 462.57

72. 529.49

73. 192.91

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75. 462.57

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77. 192.91

78. 113.82

79. 462.57

80. 529.49

81. 192.91

82. 113.82

83. 462.57

84. 529.49

85. 192.91

86. 113.82

87. 462.57

88. 529.49

89. 192.91

90. 113.82

91. 462.57

92. 529.49

93. 192.91

94. 113.82

95. 462.57

96. 529.49

97. 192.91

98. 113.82

99. 462.57

100. 529.49
### REPORT ON THE FUNDS (Continued)

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<th>Book Value</th>
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<th>Income</th>
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<td>Funds for the Library</td>
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<td>16,799.42</td>
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<td>Mary Farnum Brown Library Fund</td>
<td>65,388.57</td>
<td>65,410.51</td>
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<td>4,817.71</td>
<td>4,817.71</td>
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<td>Mary Wistar Brown Williams Library Fund</td>
<td>19,566.40</td>
<td>19,566.40</td>
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<td>Anna Yarnall Fund</td>
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<td>In Consolidated a/c</td>
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<td>166,842.34</td>
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<td>Agency a/c</td>
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<td>F. B. Gummere Library Fund</td>
<td>612.30</td>
<td>612.30</td>
<td>12.31</td>
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<td>Edmund Morris Ferguson, Jr. Memorial Fund</td>
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<td>965.80</td>
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<td>6,341.02</td>
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<td>Class of 1918 Library Fund</td>
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<td>Quakeriana Fund</td>
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<td>600.00</td>
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<td>283,141.39</td>
<td>283,163.33</td>
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<td>Funds for Old Style Pensions</td>
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<td>President Sharples Fund</td>
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<td>William P. Henszey Fund</td>
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<td>Jacob P. Jones Benefit Fund</td>
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<td>Pliny Earle Chase Memorial Fund</td>
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<td>Haverford College Pension Fund</td>
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<td>251,891.61</td>
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<td>Funds for Special Purposes</td>
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<tr>
<td>Thomas Shipley Fund</td>
<td>5,056.68</td>
<td>5,056.68</td>
<td>179.37</td>
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<td>Elliston P. Morris Fund</td>
<td>1,085.68</td>
<td>1,085.68</td>
<td>127.91</td>
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<tr>
<td>John B. Garrett Reading Prize Fund</td>
<td>2,189.40</td>
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<td>683.39</td>
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<td>Special Endowment Fund</td>
<td>8,890.67</td>
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<td>1,626.16</td>
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<td>24,422.43</td>
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<td>1,375.95</td>
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<td>Forward</td>
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<td></td>
<td>$17,222.43</td>
<td>$17,222.43</td>
<td>$13,375.95</td>
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\(^5\) Estimated from \(^6\) actual\(^3\) estimated\(^10\) estimated
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<td>Scholarship Improvement Prize Fund</td>
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<td>Elizabeth P. Smith Fund</td>
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<td>S. P. Lippincott History Prize Fund</td>
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<td>Arboretem Fund</td>
<td>4,420.49</td>
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<td>William Ellis Scull Prize Fund</td>
<td>1,927.09</td>
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<td>Paul D. I. Maier Fund</td>
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<td>51.22</td>
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<td>Strawbridge Observatory Maintenance Fund</td>
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<td>Jacob &amp; Eugenie Bucky Memorial Found</td>
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<td>Mathematics Department Prize Fund</td>
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<td>William T. Elkinston Fund</td>
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<td>Tilney Memorial Fund</td>
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<td>Class of 1898 Gift</td>
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<td>$60,030.95</td>
<td>$57,837.67</td>
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### CLASSIFICATION OF INVESTMENTS

8th Month 31, 1948

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<th>Consolidated Account</th>
<th>Non-Consolidated Account</th>
<th>Total</th>
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<th>Market Value</th>
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<td>604,023.53</td>
<td>30,185.00</td>
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<td>10,479.00</td>
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<td>$ 985,667.16</td>
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<td>$ 250,553.97</td>
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<td>$ 241,321.50</td>
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<td>Public Utility</td>
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<td>122,600.00</td>
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<td>Railroad</td>
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<td>116,343.60</td>
<td>664,473.83</td>
<td>664,473.83</td>
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<td>684,473.83</td>
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<td><strong>COMMON STOCK</strong></td>
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<td>Bank &amp; Insurance...</td>
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<td>$ 507,494.19</td>
<td>$ 462,949.05</td>
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<td>1,009,611.18</td>
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<td>2,267,669.82</td>
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<td><strong>MISCELLANEOUS</strong></td>
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<td>6,71</td>
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<td>(Including Campus...</td>
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<td>319,023.74</td>
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<td>Houses $271,294.67)</td>
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<td>6.68</td>
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<td><strong>CASH - due to Funds from Corporation</strong></td>
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<td>159,261.25</td>
<td>3.32</td>
<td>159,261.25</td>
<td>3.34</td>
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<td>(w 4% Interest)....</td>
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<td>1,624.65</td>
<td>159,261.25</td>
<td>3.32</td>
<td>159,261.25</td>
<td>3.34</td>
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<td>$ 4,709,501.38</td>
<td>$60,090.89</td>
<td>$4,769,592.27</td>
<td>$4,775,923.58</td>
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**NOTE:** There are $66,177.50 Public Utility Stocks not included in 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 $42,977.50.

**INCOME RETURN**

The net income return ($244,633.73) after allowing commission to our fiscal agent was 5.13% on book value at the end of the year.
SUMMARY OF THE ACCOUNTS OF
THE CORPORATION OF HAVERFORD COLLEGE
J. HENRY SCATTERGOOD, TREASURER
ALDO CASELLI, COMPTROLLER

For the Year Ending Eighth Month 31, 1948

RECEIPTS

Income from Funds for General Purposes

<table>
<thead>
<tr>
<th>Fund Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Endowment Fund</td>
<td>$ 4,984.14</td>
</tr>
<tr>
<td>John Farnum Memorial Fund</td>
<td>1,469.94</td>
</tr>
<tr>
<td>John M. Whitehall Fund</td>
<td>545.03</td>
</tr>
<tr>
<td>David Scull Fund</td>
<td>2,295.16</td>
</tr>
<tr>
<td>Edward L. Scull Fund</td>
<td>582.13</td>
</tr>
<tr>
<td>Wistar Morris Memorial Fund</td>
<td>263.51</td>
</tr>
<tr>
<td>Israel Franklin Whitall Fund</td>
<td>552.29</td>
</tr>
<tr>
<td>Jacob P. Jones Endowment Fund</td>
<td>66,661.38</td>
</tr>
<tr>
<td>John Farnum Brown Fund</td>
<td>14,132.63</td>
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<tr>
<td>Ellen Waln Fund</td>
<td>569.46</td>
</tr>
<tr>
<td>Clementine Cope Endowment Fund</td>
<td>1,100.99</td>
</tr>
<tr>
<td>Nathan Branson Hill Fund</td>
<td>105.00</td>
</tr>
<tr>
<td>Joseph E. Gillingham Fund</td>
<td>2,171.62</td>
</tr>
<tr>
<td>Henry Norris Fund</td>
<td>301.50</td>
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<tr>
<td>Elizabeth H. Farnum Fund</td>
<td>486.98</td>
</tr>
<tr>
<td>James R. Magee Fund</td>
<td>2,353.78</td>
</tr>
<tr>
<td>Albert K. Smiley Fund</td>
<td>76.84</td>
</tr>
<tr>
<td>Hinchman Astronomical Fund</td>
<td>2,024.13</td>
</tr>
<tr>
<td>W. D. and E. M. L. Scull Fund</td>
<td>8,941.64</td>
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<tr>
<td>Albin Garrett Memorial Fund</td>
<td>1,371.31</td>
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<tr>
<td>Arnold Chase Scattergood Memorial Fund</td>
<td>1,248.92</td>
</tr>
<tr>
<td>Francis B. Gummere Memorial Fund</td>
<td>6,432.15</td>
</tr>
<tr>
<td>Isaac Sharpless Memorial Fund</td>
<td>11,204.10</td>
</tr>
<tr>
<td>General Education Board Fund</td>
<td>6,458.13</td>
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<tr>
<td>William Penn Foundation</td>
<td>5,228.28</td>
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<tr>
<td>Walter Carrol Brinton Memorial Fund</td>
<td>723.58</td>
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<tr>
<td>Corporation Fund</td>
<td>4,098.42</td>
</tr>
<tr>
<td>Elizabeth J. Shortridge Fund</td>
<td>512.24</td>
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<tr>
<td>Howard Comfort Memorial Fund</td>
<td>257.52</td>
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<tr>
<td>Emma Ridgway Comly Fund</td>
<td>2,560.55</td>
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<td>Ellen W. Longstreth Fund</td>
<td>5,863.04</td>
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<tr>
<td>Albert L. Bailey Fund</td>
<td>256.12</td>
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<tr>
<td>Elizabeth B. Wistar Warner Fund</td>
<td>253.56</td>
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<tr>
<td>T. Allen Hilles Bequest</td>
<td>14,381.81</td>
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<tr>
<td>Leonard L. Greif and Roger L. Greif Fund</td>
<td>122.11</td>
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<tr>
<td>Edward M. Wistar Fund</td>
<td>128.06</td>
</tr>
<tr>
<td>Triangle Society Endowment Fund</td>
<td>26.58</td>
</tr>
<tr>
<td>Morris E. Leeds Fund</td>
<td>2,096.10</td>
</tr>
<tr>
<td>J. Henry Scattergood Fund</td>
<td>105.23</td>
</tr>
<tr>
<td>Parker S. Williams Fund</td>
<td>5,067.78</td>
</tr>
</tbody>
</table>

Forward................................................. $178,013.74
Income from Funds for General Purposes (Continued)

Clarence W. Bankard Fund.......................... $ 487.74
Gilbert C. Fry Fund.............................. 22.15
Daniel B. Boyer Fund............................ 91.45
Mary K. Comly Fund.............................. 310.11

Income from Fund for T. Wistar Brown Graduate School

Moses Brown Fund................................ 18,493.44

Income from Funds for Morris Infirmary

Infirmary Endowment Fund....................... $ 494.49
John W. Pinkham Fund............................ 259.17

Income from Fund for Haverford Union

Haverford Union Fund............................ 96.24

Income from Funds for Scholarships

Thomas P. Cope Fund............................ $ 269.33
Edward Yarnall Fund.............................. 310.09
Isaiah V. Williamson Fund..................... 1,015.12
Richard T. Jones Scholarship Fund........... 259.00
Mary M. Johnson Scholarship Fund............ 359.26
Sarah Marshall Scholarship Fund.............. 405.68
Clementine Cope Fellowship Fund.............. 1,170.25
Isaac Thorne Johnson Scholarship Fund........ 447.26
Caspar Wistar Memorial Fund................... 151.17
J. Kennedy Moorhouse Scholarship Fund........ 264.10
Louis Jacquette Palmer Scholarship Fund...... 256.12
Paul W. Newhall Memorial Scholarship Fund... 258.45
Robert Martin Zuckart Memorial Scholarship Fund... 1,071.05
Samuel E. Hilles Scholarship Fund............ 257.01
Class of 1913 Scholarship Fund................. 153.67
Class of 1917 Scholarship Fund................. 282.33
Daniel B. Smith Fund.................. 265.81
Sarah Tatum Hilles Memorial Scholarship Fund... 4,015.57
Elihu Grant Memorial Scholarship Fund....... 801.61
Christian Febiger Scholarship Fund........... 425.30
Joseph L. Markley Memorial Scholarship Fund... 265.81
Jos. C. and Anne N. Birdsall Scholarship Fund... 708.83
Daniel E. Davis Jr., Memorial Scholarship Fund... 87.94

Income from Funds for Library

Alumni Library Fund............................ $ 893.09
Mary Farnum Brown Library Fund............... 3,476.18
William H. Jenks Library Fund................ 256.12
Mary Wistar Brown Williams Library Fund...... 1,040.19
Anna Yarnall Fund............................... 8,869.67
F. B. Gummere Library Fund................... 32.55
Edmund Morris Fergusson Memorial Fund....... 51.34
Class of 1888 Library Fund..................... 337.10
Class of 1918 Library Fund..................... 64.21
Quakeriana Fund................................ 31.90

Forward:................................... $226,822.44
# Income from Funds for Old Style Pensions

<table>
<thead>
<tr>
<th>Fund Name</th>
<th>Income</th>
</tr>
</thead>
<tbody>
<tr>
<td>President Sharpless Fund</td>
<td>$2,112.32</td>
</tr>
<tr>
<td>William P. Henszey Fund</td>
<td>1,882.92</td>
</tr>
<tr>
<td>Jacob P. Jones Benefit Fund</td>
<td>3,489.05</td>
</tr>
<tr>
<td>Pliny Earle Chase Memorial Fund</td>
<td>167.62</td>
</tr>
<tr>
<td>Haverford College Pension Plan</td>
<td>5,739.15</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>13,391.06</td>
</tr>
</tbody>
</table>

# Income from Funds for Special Purposes

<table>
<thead>
<tr>
<th>Fund Name</th>
<th>Income</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thomas Shipley Fund</td>
<td>$268.82</td>
</tr>
<tr>
<td>Elliston P. Morris Fund</td>
<td>57.72</td>
</tr>
<tr>
<td>John B. Garrett Reading Prize Fund</td>
<td>116.39</td>
</tr>
<tr>
<td>Special Endowment Fund</td>
<td>472.65</td>
</tr>
<tr>
<td>Scholarship Improvement Prize Fund</td>
<td>117.65</td>
</tr>
<tr>
<td>Elizabeth P. Smith Fund</td>
<td>89.34</td>
</tr>
<tr>
<td>S. P. Lippincott History Prize Fund</td>
<td>130.46</td>
</tr>
<tr>
<td>Francis Stokes Fund</td>
<td>262.27</td>
</tr>
<tr>
<td>George Peirce Prize Fund</td>
<td>132.60</td>
</tr>
<tr>
<td>Lyman Beecher Hall Prize Fund</td>
<td>110.39</td>
</tr>
<tr>
<td>Newton Prize Fund</td>
<td>71.60</td>
</tr>
<tr>
<td>Edward B. Conklin Athletic Fund</td>
<td>122.94</td>
</tr>
<tr>
<td>Arboretum Fund</td>
<td>235.00</td>
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<tr>
<td>William Ellis Scull Prize Fund</td>
<td>102.45</td>
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<tr>
<td>Paul D. I. Maier Fund</td>
<td>51.22</td>
</tr>
<tr>
<td>Strawbridge Observatory Maintenance Fund</td>
<td>196.68</td>
</tr>
<tr>
<td>Jacob &amp; Eugenie Bucky Memorial Foundation</td>
<td>201.77</td>
</tr>
<tr>
<td>Mathematics Department Prize Fund</td>
<td>61.06</td>
</tr>
<tr>
<td>William T. Elkinton Fund</td>
<td>132.45</td>
</tr>
<tr>
<td>Tilney Memorial Fund</td>
<td>265.80</td>
</tr>
<tr>
<td>Class of 1902 Latin Prize Fund</td>
<td>7.60</td>
</tr>
<tr>
<td>Class of 1898 Gift</td>
<td>54.05</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>3,260.91</td>
</tr>
</tbody>
</table>

# Income from the Funds for the College

| Income from the Funds for the College          | $243,474.41 |

# Income from Special Trust

| Augustus Taber Murray Research Scholarship Fund | 1,159.32 |

| Total Income from all the Funds                | $244,633.73 |

# Income from Fund (Prior to Receipt of Principal)

| Parker S. Williams Fund                        | $2,343.66 |

# Income from Funds held in Trust

<table>
<thead>
<tr>
<th>W. Percy Simpson Fund, Provident Trust Company, Trustee</th>
<th>2,880.18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Henry C. Brown Fund, Pennsylvania Company, Trustee</td>
<td>2,089.28</td>
</tr>
</tbody>
</table>

| **Total**                                          | $7,313.12 |

| Forward                                             | $251,946.85 |

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**Income from College Sources**

**Tuition (Students at opening date 546 at closing date 525)**

- Cash: $296,184.03
- From Scholarship Funds: $22,165.00
- From Donations: $3,175.00  
  Total: $321,524.03

**Board:** 149,553.13

**Rooms:** 62,745.63

**Re-examination fees:** 440.00

**Room and Board from Non-Students:**

- Rents: $3,667.50
- Rooms:
  - Guests, Alumni and Faculty Members: $729.15
  - Employees: $1,908.59
  - Summer Conferences: $2,080.87
  Total: $4,718.61

**Meals:**

- Guests and Faculty: $7,161.07
- Employees: $7,827.02
- Summer Conferences: $10,118.08
- Day Students: $2,876.85
  Total: $27,983.02

**Miscellaneous Collections:**

- Fees and Fines: $343.00
- Book Store: $1,589.65
- Diplomas: $205.00
- Infirmary: $261.22
- Use of Trucks: $14.48
- Sale of Material: $724.45
- Use of Land: $783.56
- Admission to Athletic Games: $1,710.20
- Sundry Minor Collections: $1,674.16
- Overhead expenses in connection with work done for outsiders: $409.93
- Unit Fee: $7,218.90
  Total: $14,934.55

**Receipts at College:** 585,566.47

**Donations Other than for Funds**

**Athletics**

- For New Scoreboard - from class of 1947: $225.00
- Toward New Sweaters - Anonymous: $250.00
- For Field House through A. Haddleton: $8.00
- For New Football Field Stands - Triangle Society: $2,300.00
- From Games' Receipts: $954.80
  Total: $3,737.80

**Forward:**  

$3,737.80 $837,513.32
Donations Other than for Funds (Continued)

For Books -
  Refund Carnegie........................... $ 31.00
  Library Associates......................... 593.75
  Minor Library Donations...................  58.33
  Matzke Royalties..........................  40.28
  Quaker Books from H. Vogt................ 1,000.00  1,723.36

For Alumni Association Prize in Oratory........ 50.00

For Scholarships:
  Corporation Scholarships
    relinquished................................ $1,500.00
  For Loan to Students - Maryland
    Society of Haverford.....................  600.00
  From Max Leuchter..........................  100.00
  From Oberland Trust for Fellowship......  2,500.00
  For Quaker children from Estate of
    Ida Bell.................................. 1,929.10
    From Richard A. Ricks....................  200.00  6,829.10
  From Alumni Association for Salaries....... 3,590.00
  From Campus Club............................  185.00
  For Chemistry Laboratory Equipment - Anonymous... 100.00
  For Care of Cope Field through A. G. Scattergood... 50.00
  For Debt of Corporation....................  500.00
  For Cost of Special Report from C. A. Pratt...... 10.00
  For George Fox's Portrait from
    George and Mary Vaux.....................  60.00
  For Landscaping from Dr. Sutton............ 125.00
  For Camp House - Anonymous................ 10,000.00
  For Radio Club - Interest Added............  66.68
  For Work Camp - Projects from Carnegie
    Corporation of New York..................  7,000.00
  For Special Equipment bought from Government... 780.32
  For Transfer unused appropriation from
    Morris E. Leeds' Gift...................  21.53
    For Faculty Salary......................  1,000.00
  For General Purposes from Hoag Trust $ 41.80
  For General Purposes from
    Professor Oakley........................  150.00  191.80
  For Paving Meeting House Lane -
    Anonymous................................  1,103.00
    Class of 1928 Gift for Improvements in Gymnasium. 1,398.50
    Class of 1934................................ 288.00
    Class of 1945 for Common Room............ 163.25

                             38,973.34

Alumni Sustaining Fund.......................... 24,126.35

*Human Relations Gift - Anonymous, from proceeds of
  stock sold and dividends........................ 7,588.17

  Total Donations (Other than for Funds).......... 70,687.86

  Forward...................................... $ 908,201.18

*In addition, a further gift of stock, not yet sold, was made anonymously by the same donor.
## Donations for Additions to Funds *

<table>
<thead>
<tr>
<th>Fund Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>James R. Magee Fund - from Executors.</td>
<td>$197.99</td>
</tr>
<tr>
<td>Ellen W. Longstreth Fund - from Trustee</td>
<td>$10,785.65</td>
</tr>
<tr>
<td>Leonard L. &amp; Roger L. Greif Fund</td>
<td>$2,000.00</td>
</tr>
<tr>
<td>Parker S. Williams Fund (New)</td>
<td>$103,993.26</td>
</tr>
<tr>
<td>Clarence W. Bankard Fund (New)</td>
<td>$4,305.01</td>
</tr>
<tr>
<td>Gilbert C. Fry Fund (New)</td>
<td>$1,000.00</td>
</tr>
<tr>
<td>Daniel B. Boyer Fund (New)</td>
<td>$2,500.00</td>
</tr>
<tr>
<td>Mary K. Comly Fund (New)</td>
<td>$35,000.00</td>
</tr>
<tr>
<td>Robert Martin Zuckert Memorial Scholarship Fund</td>
<td>$2,000.00</td>
</tr>
<tr>
<td>Class of 1917 Scholarship Fund</td>
<td>$985.00</td>
</tr>
<tr>
<td>Joseph C. and Anne N. Birdsall Fund</td>
<td>$5,000.00</td>
</tr>
<tr>
<td>Daniel E. Davis Jr., Memorial Scholarship Fund (New)</td>
<td>$3,000.00</td>
</tr>
<tr>
<td>Jacob &amp; Eugenie Bucky Memorial Foundation</td>
<td>$500.00</td>
</tr>
<tr>
<td>Class of 1898 Gift Fund (New)</td>
<td>$6,100.00</td>
</tr>
<tr>
<td>Edmund J. Lee Memorial Award Fund (New) - from Class of 1943</td>
<td>$906.50</td>
</tr>
</tbody>
</table>

**Total Additions to Funds** $178,273.41

## Additions to Funds - Income Transferred To Principal

<table>
<thead>
<tr>
<th>Fund Name</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moses Brown Fund</td>
<td>$1,849.34</td>
</tr>
<tr>
<td>Isaac Thorne Johnson Scholarship Fund</td>
<td>$41.53</td>
</tr>
<tr>
<td>Mary Farnum Brown Library Fund</td>
<td>$21.94</td>
</tr>
<tr>
<td>George Peirce Prize Fund</td>
<td>$76.86</td>
</tr>
<tr>
<td>Jacob &amp; Eugenie Bucky Memorial Foundation</td>
<td>$201.77</td>
</tr>
<tr>
<td>Mathematics Department Prize Fund</td>
<td>$21.59</td>
</tr>
</tbody>
</table>

**Total Additions to Funds - Income Transferred To Principal** $2,213.03

## Reserve for Non-Faculty

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Pensions</td>
<td>$5,000.00</td>
</tr>
<tr>
<td>Interest added</td>
<td>194.44</td>
</tr>
<tr>
<td>For Death Benefits</td>
<td>1,000.00</td>
</tr>
</tbody>
</table>

**Total Reserve for Non-Faculty** 6,194.44

## Miscellaneous Receipts

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sale of Books Supplementing income Elihu Grant Fund</td>
<td>$85.11</td>
</tr>
<tr>
<td>Return of Government Deposits - M. W. B. Williams Fund Income</td>
<td>22.00</td>
</tr>
<tr>
<td>Registration Fees Family Institute Supplementing Income Special Endowment Fund</td>
<td>49.00</td>
</tr>
<tr>
<td>Fees from Students Supplementing Income</td>
<td></td>
</tr>
<tr>
<td>Strawbridge Observatory Fund</td>
<td>$108.00</td>
</tr>
</tbody>
</table>

**Total Miscellaneous Receipts** $1,094,882.06

*In addition to above - information has been received that u/w of Henry C. Brown, ex.'66, a residuary bequest had been made to Pennsylvania Co. for Banking & Trusts as Trustee for Haverford College, with certain conditions as to use of principal. This bequest became effective upon the death of his sister, February 5, 1948. Amount of Trust is estimated at $180,000., after taxes. Further report will be made in 1948 - 1949.*
### Miscellaneous Receipts (Continued)

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Write off Shortage of Donations for War Memorial</td>
<td>$190.00</td>
</tr>
<tr>
<td>Library Replacement Account - Fees Collected</td>
<td>$1,358.85</td>
</tr>
<tr>
<td>Skating Pond Receipts</td>
<td>$669.00</td>
</tr>
<tr>
<td>Taxes Withheld - Salaries</td>
<td>$43,849.79</td>
</tr>
<tr>
<td>Taxes Withheld - Pensions</td>
<td>$2,026.20</td>
</tr>
<tr>
<td>Advances - Receipts on Account Old Bill</td>
<td>$117.50</td>
</tr>
<tr>
<td>Advances - Reserve on same Written off</td>
<td>$42.50</td>
</tr>
<tr>
<td>In and Out Account - Receipts</td>
<td>$9.40</td>
</tr>
<tr>
<td>Work in Progress - Collections</td>
<td>$6,007.89</td>
</tr>
<tr>
<td>Store Account - Receipts</td>
<td>$7,871.65</td>
</tr>
<tr>
<td>Students Store Account (old) Receipts</td>
<td>$11,514.83</td>
</tr>
<tr>
<td>Loans Repaid</td>
<td>$1,221.00</td>
</tr>
<tr>
<td>Student Affairs for Common Room - Fees</td>
<td>$183.24</td>
</tr>
<tr>
<td>Student Affairs - Class of 1945 - Donation</td>
<td>$163.25</td>
</tr>
<tr>
<td>Surplus Property bought from Government - Reserve Written off</td>
<td>$2,688.88</td>
</tr>
<tr>
<td>Book Store on Campus - Collections from Students</td>
<td>$16,030.06</td>
</tr>
<tr>
<td>Griffin Lane Apartments - Receipts</td>
<td>$3,742.54</td>
</tr>
<tr>
<td>Accounts Receivable - Students - Collections</td>
<td>$597,399.02</td>
</tr>
<tr>
<td>Accounts Receivable - Students Special - Collections</td>
<td>$24,315.48</td>
</tr>
<tr>
<td>Accounts Receivable - Employees - Collections</td>
<td>$29,974.62</td>
</tr>
<tr>
<td>Accounts Receivable - Government - Collections</td>
<td>$124,800.34</td>
</tr>
<tr>
<td>Interest Received</td>
<td>$1,757.38</td>
</tr>
<tr>
<td>Cash Over and Short - Received</td>
<td>41.42</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>876,238.95</td>
</tr>
</tbody>
</table>

### Items Relating to other Fiscal Years

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advance Receipts for following year</td>
<td>$9,416.50</td>
</tr>
<tr>
<td>Room Rents Collected in advance</td>
<td>$4,727.51</td>
</tr>
<tr>
<td>Expenses for following year applied</td>
<td>$34,164.84</td>
</tr>
<tr>
<td>Prepaid Insurance applied</td>
<td>$7,539.12</td>
</tr>
<tr>
<td>Accounts Payable applied</td>
<td>$7,825.85</td>
</tr>
<tr>
<td>Reserve for New Boilers - applied</td>
<td>$3,564.48</td>
</tr>
<tr>
<td>Reserve for New Furnishings - applied</td>
<td>$2,450.20</td>
</tr>
<tr>
<td>Reserve for Barclay Hall Fire - applied</td>
<td>$3,430.63</td>
</tr>
<tr>
<td>Outstanding checks cancelled</td>
<td>39.66</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>73,158.79</td>
</tr>
</tbody>
</table>

### Investments Realized

#### Consolidated Investments Account

<table>
<thead>
<tr>
<th>Bonds - Government</th>
<th>$25,000.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial</td>
<td>176.62</td>
</tr>
<tr>
<td>Public Utility</td>
<td>137,419.50</td>
</tr>
<tr>
<td>Railroad</td>
<td>7,000.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>$169,596.12</td>
</tr>
</tbody>
</table>

| Preferred Stock - Public Utility | 44,130.50 |

<table>
<thead>
<tr>
<th>Common Stock - Industrial</th>
<th>$55,581.68</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public Utility</td>
<td>3,161.57</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>58,743.25</td>
</tr>
</tbody>
</table>

| Forward                   | $272,469.87|
|                          | $2,044,279.80|

---
Investments Realized (Continued)

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mortgages</td>
<td>41,636.28</td>
</tr>
<tr>
<td>Real Estate</td>
<td>60,965.65</td>
</tr>
<tr>
<td>Miscellaneous</td>
<td>4,131.40</td>
</tr>
<tr>
<td></td>
<td><strong>$379,203.20</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fund</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Farnum Memorial Fund</td>
<td>409.61</td>
</tr>
<tr>
<td>A. T. Murray Research Scholarship Fund</td>
<td>3,000.00</td>
</tr>
<tr>
<td>C. W. Wharton Stork Art Gift Fund - Dividend Applied</td>
<td>500.00</td>
</tr>
<tr>
<td></td>
<td><strong>383,112.81</strong></td>
</tr>
</tbody>
</table>

Money Borrowed Temporarily                               | 103,000.00 |

Balances 9th Month 1, 1947

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Treasurer's Account</td>
<td><strong>$3,235.82</strong></td>
</tr>
<tr>
<td>In President's Account</td>
<td>21,379.31</td>
</tr>
<tr>
<td></td>
<td><strong>24,615.13</strong></td>
</tr>
<tr>
<td></td>
<td><strong>$2,555,007.74</strong></td>
</tr>
</tbody>
</table>

Forward......................... $262,469.87 $2,044,279.80
## EXPENDITURES

**Expenses of Running the College**

### Administration

<table>
<thead>
<tr>
<th>Expenses</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries</td>
<td>$ 69,995.49</td>
</tr>
<tr>
<td>Supplies and Postage</td>
<td>4,645.27</td>
</tr>
<tr>
<td>Services</td>
<td>1,132.62</td>
</tr>
<tr>
<td>Telegraph and Telephone</td>
<td>1,331.40</td>
</tr>
<tr>
<td>Additional Equipment</td>
<td>614.89</td>
</tr>
<tr>
<td>Taxes</td>
<td>20.00</td>
</tr>
<tr>
<td>Insurance</td>
<td>173.83</td>
</tr>
<tr>
<td>Traveling</td>
<td>1,281.52</td>
</tr>
<tr>
<td>Public Relations</td>
<td>5,664.89</td>
</tr>
<tr>
<td>Printing</td>
<td>4,372.90</td>
</tr>
<tr>
<td>Entertainment</td>
<td>2,849.56</td>
</tr>
<tr>
<td>Not Elsewhere Classified</td>
<td>1,500.00</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>$ 93,582.37</strong></td>
</tr>
</tbody>
</table>

**Ratio of Admin. Expenses to Total Expenses (13.025%)**

### Educational Department

<table>
<thead>
<tr>
<th>Expenses</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries</td>
<td>$ 278,819.05</td>
</tr>
<tr>
<td>Supplies and Postage</td>
<td>11,915.79</td>
</tr>
<tr>
<td>Services</td>
<td>3,153.73</td>
</tr>
<tr>
<td>Telegraph &amp; Telephone</td>
<td>1,266.77</td>
</tr>
<tr>
<td>Insurance</td>
<td>1,671.76</td>
</tr>
<tr>
<td>Traveling</td>
<td>3,459.01</td>
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<tr>
<td>Not Elsewhere Classified</td>
<td>1,359.44</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>301,645.55</strong></td>
</tr>
</tbody>
</table>

**Ratio of Educational Expenses to Total Expenses (41.985%)**

### Maintenance and Operation

<table>
<thead>
<tr>
<th>Expenses</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wages</td>
<td>$ 75,494.30</td>
</tr>
<tr>
<td>Supplies and Postage</td>
<td>11,138.07</td>
</tr>
<tr>
<td>Services</td>
<td>7,472.56</td>
</tr>
<tr>
<td>Water, Heat, Light and Power</td>
<td>27,013.60</td>
</tr>
<tr>
<td>Telegraph &amp; Telephone</td>
<td>365.91</td>
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<tr>
<td>Small Tools &amp; Equipment</td>
<td>4,538.21</td>
</tr>
<tr>
<td>Taxes</td>
<td>3,047.73</td>
</tr>
<tr>
<td>Insurance</td>
<td>4,492.39</td>
</tr>
<tr>
<td>Traveling</td>
<td>7.98</td>
</tr>
<tr>
<td>Not Elsewhere Classified</td>
<td>8,276.62</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>141,847.37</strong></td>
</tr>
</tbody>
</table>

**Ratio of Maintenance & Operation Expenses to Total Expenses (19.743%)**

### Kitchen

<table>
<thead>
<tr>
<th>Expenses</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries</td>
<td>$ 34,185.18</td>
</tr>
<tr>
<td>Provisions</td>
<td>124,079.86</td>
</tr>
<tr>
<td>Services</td>
<td>2,103.74</td>
</tr>
<tr>
<td>Water, Heat, Light, Power</td>
<td>8,268.46</td>
</tr>
<tr>
<td>Telephone &amp; Telegraph</td>
<td>211.59</td>
</tr>
<tr>
<td>Replacement &amp; Repairs</td>
<td>3,318.06</td>
</tr>
<tr>
<td>Taxes</td>
<td>2.00</td>
</tr>
<tr>
<td>Insurance</td>
<td>217.35</td>
</tr>
<tr>
<td><strong>Total Expenses</strong></td>
<td><strong>172,386.24</strong></td>
</tr>
</tbody>
</table>

**Ratio of Kitchen Expenses to Total Expenses (23.993%)**

<table>
<thead>
<tr>
<th>Expenses</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Forward</strong></td>
<td><strong>$709,461.53</strong></td>
</tr>
</tbody>
</table>
Forward.......................... $709,461.53

Pensions for Non-Faculty

Established Pension Fund $ 5,000.00
Death Benefit Fund........ 1,000.00
Pension Paid.......... 2,994.95
Ratio of Pensions to Total Expenses (.01254)

Expenses at the College.......................... $ 718,456.48

Treasurer's and Secretary's Expenses

Auditors................................ 500.00
Clerical Help & Rent (in part)........ 4,050.00
Stationery and Printing............. 269.32
Machine Servicing...................... 10.42
Financial Publications............... 123.00
Notary Fees................................ 1.50
Secretary's Typewriting and Expenses
Board of Managers............. 589.38
Corporation.................... 80.99

Old Style Pensions for Faculty................. 24,313.66
Annuity................................ 1,600.00
Interest................................ 5,833.86
Stork Art Gift - Shortage of Income to meet interest charge........... 450.09
Cost of War Memorial not covered by Donations - written off............. 190.00
Architect's Fees for Apartment Building, etc........ 3,430.00
Old Account Written off............... 42.50
Cost of Surplus Property of Gov't - Charged off.... 5,855.09
Cost of Working Aid to Students
charged off................................ 10,000.00
Second 1/10 cost of New Boilers in Power Plant........ 3,564.48
Second 1/5 cost of New Furnishings Bought from Gov't........ 2,450.20
Second 1/10 cost of Barclay Hall Fire Loss.......... 3,430.63

Expenditures from Income of Funds for Scholarships and Fellowships

Jacob P. Jones Endowment Fund........... $ 4,650.00
Moses Brown Fund........ 4,500.00
Transportation to Pendle Hill........... 200.00
Printing.......................... 12.25
Thomas P. Cope Fund...................... 300.00
Edward Yarnall Fund..................... 305.74
Isaiah V. Williamson Fund............. 1,061.46
Richard T. Jones Scholarship Fund..... 255.73
Mary M. Johnson Scholarship Fund....... 305.73
Sarah Marshall Scholarship Fund........ 405.74
Isaac Thorne Johnson Scholarship Fund.... 405.73
Caspar Wistar Memorial Fund........... 155.73
J. Kennedy Moorhouse Scholarship Fund.... 505.74

Forward.......................... $13,063.85

$785,241.60
<table>
<thead>
<tr>
<th>Scholarship Fund</th>
<th>Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Louis Jaquette Palmer Scholarship Fund</td>
<td>505.73</td>
</tr>
<tr>
<td>Paul W. Newhall Memorial Fund</td>
<td>255.73</td>
</tr>
<tr>
<td>Robert Martin Zuckert Memorial Scholarship Fund</td>
<td>1,011.48</td>
</tr>
<tr>
<td>Samuel E. Hilles Scholarship Fund</td>
<td>261.48</td>
</tr>
<tr>
<td>Class of 1913 Scholarship Fund</td>
<td>161.48</td>
</tr>
<tr>
<td>Class of 1917 Scholarship Fund</td>
<td>211.46</td>
</tr>
<tr>
<td>Daniel R. Smith Fund</td>
<td>300.00</td>
</tr>
<tr>
<td>Sarah Tatum Hilles Memorial Scholarship Fund</td>
<td>4,351.46</td>
</tr>
<tr>
<td>Elihu Grant Memorial Scholarship Fund</td>
<td>505.73</td>
</tr>
<tr>
<td>Christian Febiger Scholarship Fund</td>
<td>700.00</td>
</tr>
<tr>
<td>Joseph L. Markley Memorial Scholarship Fund</td>
<td>300.00</td>
</tr>
<tr>
<td>Joseph C. and Anne N. Birdsall Scholarship Fund</td>
<td>500.00</td>
</tr>
<tr>
<td>Clementine Cope Fellowship Fund</td>
<td></td>
</tr>
<tr>
<td>1 Fellowship in Linguistics at University of Pennsylvania</td>
<td>$700.00</td>
</tr>
<tr>
<td>1 Fellowship in Medicine at University of Pennsylvania</td>
<td>700.00</td>
</tr>
<tr>
<td>1/2 Fellowship in Physics at California Institute of Technology</td>
<td>350.00</td>
</tr>
<tr>
<td>Total Expenditures from Income of Special Trust</td>
<td>$23,878.40</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Library Fund</th>
<th>Expenditure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mary Farnum Brown Library Fund</td>
<td></td>
</tr>
<tr>
<td>Books - General</td>
<td>$3,074.97</td>
</tr>
<tr>
<td>Books - Christian Knowledge</td>
<td>242.25</td>
</tr>
<tr>
<td>Lecture</td>
<td>137.02</td>
</tr>
<tr>
<td>Total</td>
<td>$3,454.24</td>
</tr>
<tr>
<td>William H. Jenks Library Fund</td>
<td>222.78</td>
</tr>
<tr>
<td>Mary Wistar Brown Williams Library Fund - Books</td>
<td>1,111.60</td>
</tr>
<tr>
<td>Anna Yarnall Fund - Books</td>
<td>1,437.52</td>
</tr>
<tr>
<td>F. B. Gummere Library Fund - Books</td>
<td>27.49</td>
</tr>
<tr>
<td>Edmund Morris Fergusson Jr., Memorial Fund - Books</td>
<td>44.67</td>
</tr>
<tr>
<td>Class of 1881 Library Fund - Books</td>
<td>326.49</td>
</tr>
<tr>
<td>Class of 1918 Library Fund - Books</td>
<td>67.32</td>
</tr>
<tr>
<td>Total</td>
<td>6,692.11</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Forward</th>
<th>$13,063.85</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Expenditures</td>
<td>$785,241.60</td>
</tr>
</tbody>
</table>
Expenditures from Income for Special Purposes

<table>
<thead>
<tr>
<th>Fund</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thomas Shipley Fund</td>
<td>$273.90</td>
</tr>
<tr>
<td>Elliston P. Morris Fund</td>
<td>$38.28</td>
</tr>
<tr>
<td>John R. Garrett Reading Prize Fund</td>
<td>$55.74</td>
</tr>
<tr>
<td>Special Endowment Fund</td>
<td>$833.44</td>
</tr>
<tr>
<td>Scholarship Improvement Prize Fund</td>
<td>$106.48</td>
</tr>
<tr>
<td>Elizabeth P. Smith Fund</td>
<td>$5.74</td>
</tr>
<tr>
<td>S. P. Lippincott History Prize Fund</td>
<td>$121.93</td>
</tr>
<tr>
<td>George Peirce Prize Fund</td>
<td>$55.74</td>
</tr>
<tr>
<td>Lyman Beecher Hall Prize Fund - Prize</td>
<td>$100.00</td>
</tr>
<tr>
<td>Newton Prize Fund</td>
<td>$88.70</td>
</tr>
<tr>
<td>Arboretum Fund</td>
<td>$50.00</td>
</tr>
<tr>
<td>William Ellis Scull Prize Fund - Prize</td>
<td>$55.73</td>
</tr>
<tr>
<td>Paul D. I. Maier Fund - Prize</td>
<td>$10.00</td>
</tr>
<tr>
<td>Strawbridge Observatory Maintenance Fund</td>
<td>$183.31</td>
</tr>
<tr>
<td>Mathematic Department Prize Fund - Prizes</td>
<td>$39.47</td>
</tr>
<tr>
<td>William T. Elkinton Fund</td>
<td>$100.00</td>
</tr>
<tr>
<td>Tilney Memorial Fund</td>
<td>$75.00</td>
</tr>
<tr>
<td>Class of 1902 Latin Prize Fund</td>
<td>$15.74</td>
</tr>
</tbody>
</table>

| Total                                           | $2,209.20    |
|                                                 | $33,759.71   |

Spent from Donations

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Music from Carnegie Foundation donation</td>
<td>$1,964.82</td>
</tr>
<tr>
<td>For Art from Carnegie Foundation donation</td>
<td>$310.28</td>
</tr>
<tr>
<td>For Athletics -</td>
<td>$2,275.10</td>
</tr>
<tr>
<td>Score Board from Class of 1947</td>
<td>$225.00</td>
</tr>
<tr>
<td>37 New Sweaters - Anonymous gift</td>
<td>$250.00</td>
</tr>
<tr>
<td>15 Units Portable Grandstands from Triangle Society donation</td>
<td>$8,170.44</td>
</tr>
<tr>
<td>Snow Fence and Posts from G. A. Kerbaugh</td>
<td>$46.17</td>
</tr>
<tr>
<td>Books Bought -</td>
<td>$8,691.61</td>
</tr>
<tr>
<td>From Carnegie Foundation donation</td>
<td>$11.05</td>
</tr>
<tr>
<td>From Greek Books donation</td>
<td>$24.23</td>
</tr>
<tr>
<td>From Library Associates - Expenses</td>
<td>$457.14</td>
</tr>
<tr>
<td>From Minor Library donations</td>
<td>$470.98</td>
</tr>
<tr>
<td>From Matzke Royalties</td>
<td>$63.39</td>
</tr>
<tr>
<td>From Orientalia donation</td>
<td>$84.44</td>
</tr>
<tr>
<td>From Postwar Planning donation</td>
<td>$23.16</td>
</tr>
<tr>
<td>From Quaker Book donation</td>
<td>$223.25</td>
</tr>
<tr>
<td>Prize for Oratory from Alumni Association</td>
<td>$50.00</td>
</tr>
<tr>
<td>Forward</td>
<td>$12,377.01</td>
</tr>
<tr>
<td></td>
<td>$819,001.31</td>
</tr>
</tbody>
</table>

Forward ........................................ $31,550.51  $785,241.60
Spent from Donations (Continued)

Scholarships -
From Relinquished Corporation
  Scholarships.............................. $1,825.00
  From Max Leuchter gifts................. 200.00
  Fellowship from Oberland Trust......... 2,500.00
  From Richard A. Ricks gift............. 200.00
  From Gift of John Silver................. 500.00
  From Gift of John J. Tunney............. 450.00
  Total .................................... 5,675.00

For Salaries - Alumni Association........ 3,590.00
Campus Club Expenditures.................. 195.89
Chemistry Laboratory Equipment........... 113.70
Cost of Special Report................... 10.00
Electronics Equipment..................... 21.53
From Donations for Special Aid to Professors.. 16.54
Portrait of George Fox..................... 60.00
Donation for Italian Understanding -
  Transferred to Special Equipment....... 100.00
Landscaping at Dr. Sutton's House......... 119.50
Radio Club Expenditures................... 40.00
Work Camp Projects - Expenditures........ 2,583.70
Professor Ufford's Research Project.... 682.50
Special Equipment for Offices............. 436.50
From Morris E. Leeds' Gift -
  Chemistry................................ $1,540.11
  Physics.................................. 948.52
  Powder Room............................. 2,893.52
  Chairs for Professors.................... 502.50
  Servants Recreation Room............... 492.07
  Language and Reading Laboratory....... 130.00
  Alumni Sustaining Fund................ 500.00
  Total .................................... 7,006.72
For Salary - applied........................ 1,000.00
For Paving Lane to Meeting House.......... 1,103.00
Class of 1928 Gift - Improvements in Gymnasium... 2,500.00*
Class of 1934 Gift - Government Bonds Bought... 277.50
Class of 1945 Gift - For Common Room (Applied).... 163.25
E. A. Sherpick Gift - Questionnaire........ 77.00

Spent from Triangle Society Gift

For Expenses of Academic Consultants......... 682.97

Spent from Alumni Sustaining Fund

For Alumni Association Expenses........... 8,921.92
  (Balance of $15,204.43 carried over for
  1948-1949)

Spent from Human Relations Gift

For transportation........................ $85.14
For Books................................ 34.96
Subscription to Human Relations........... 19.00
  Total .................................... 139.10
  Total Spent from Donations.............. 47,893.33
  Forward................................... $866,894.64

* $1,255.87 was also Spent from College Funds, making total cost of Gymnasium Improvements
  $3,755.87.
**Forward** .................................................. $866,894.64  

**Miscellaneous Expenditures**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Library Replacements Account - Books Bought</td>
<td>$ 732.40</td>
</tr>
<tr>
<td>Skating Pond Expenses</td>
<td>349.40</td>
</tr>
<tr>
<td>Taxes Withheld paid to Government (Salaries)</td>
<td>41,746.59</td>
</tr>
<tr>
<td>Taxes Withheld paid to Government (Pensions)</td>
<td>2,087.50</td>
</tr>
<tr>
<td>In and Out Expenses</td>
<td>83.37</td>
</tr>
<tr>
<td>Work in Progress - Charges</td>
<td>7,658.24</td>
</tr>
<tr>
<td>Store Account Costs</td>
<td>8,006.14</td>
</tr>
<tr>
<td>Students Store (old) Account Costs</td>
<td>12,680.35</td>
</tr>
<tr>
<td>Loans Made</td>
<td>1,050.00</td>
</tr>
<tr>
<td>Student Affairs for Common Room Expenses</td>
<td>884.62</td>
</tr>
<tr>
<td>Book Store on Campus - Expenses</td>
<td>16,522.54</td>
</tr>
<tr>
<td>Griffin Lane Apartments - Expenses</td>
<td>3,742.54</td>
</tr>
<tr>
<td>Accounts Receivable from Students - Charges</td>
<td>597,086.16</td>
</tr>
<tr>
<td>Accounts Receivable from Students - Special-Charges</td>
<td>23,771.70</td>
</tr>
<tr>
<td>Accounts Receivable from Employees - Charges</td>
<td>29,214.97</td>
</tr>
<tr>
<td>Accounts Receivable from Government - Charges</td>
<td>138,183.48</td>
</tr>
</tbody>
</table>

**Items Relating to other Fiscal Years**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advance Receipts for Following years - Applied</td>
<td>$ 1,449.37</td>
</tr>
<tr>
<td>Boom rents paid in advance - Applied</td>
<td>6,100.00</td>
</tr>
<tr>
<td>Expenses for Following year</td>
<td>37,766.68</td>
</tr>
<tr>
<td>Prepaid Insurance - Costs</td>
<td>5,230.06</td>
</tr>
<tr>
<td>Accounts Payable - Charges applied</td>
<td>9,174.21</td>
</tr>
</tbody>
</table>

**New Construction and Furnishings**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boilers in Power Plant (Work on Motors)</td>
<td>$ 112.27</td>
</tr>
<tr>
<td>Extraordinary Repairs - Completed</td>
<td>21,691.04</td>
</tr>
<tr>
<td>Forman House - Uncompleted</td>
<td>$26,515.94</td>
</tr>
<tr>
<td>Watson House - Uncompleted</td>
<td>13,396.38</td>
</tr>
<tr>
<td>No. 2 College Lane - Uncompleted</td>
<td>872.32</td>
</tr>
<tr>
<td>Coach House Dwelling - Uncompleted</td>
<td>8,994.33</td>
</tr>
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**Investments Made or Donated**

<table>
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<tr>
<th>Description</th>
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<tr>
<td>Bonds - Government</td>
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<td>Public Utility</td>
<td>43,300.00</td>
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<tr>
<td>Railroad</td>
<td>61,213.02</td>
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<tr>
<td>Preferred Stock - Railroad</td>
<td>20,210.73</td>
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<tr>
<td>Common Stock -</td>
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<tr>
<td>Bank</td>
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<tr>
<td>Industrial</td>
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<tr>
<td>Public Utility</td>
<td>262,630.30</td>
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<td>Railroad</td>
<td>13,648.50</td>
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<td>Mortgages</td>
<td>49,025.00</td>
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<td>Real Estate</td>
<td>75.00</td>
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<td>Miscellaneous</td>
<td>4,614.61</td>
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<tr>
<td>John Farnum Memorial Fund</td>
<td>175.00</td>
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<tr>
<td>Augustus Taber Murray Research Scholarship Fund</td>
<td>2,513.01</td>
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**Forward** .................................................. $2,433,845.71  

**29**
Forward................................................................. $2,433,845.71

Borrowed Money Paid off

(Loan at Bank Outstanding $68,000.)................................. 95,000.00

Income Transferred to Principal

Moses Brown Fund....................................................... $ 1,849.34
Isaac Thorne Johnson Scholarship Fund............................ 41.53
Mary Farnum Brown Library Fund.................................... 21.94
George Peirce Prize Fund............................................. 76.86
Jacob & Eugenie Bucky Memorial Foundation..................... 201.77
Mathematic Department Prize Fund................................. 21.59

Income Transferred to Principal.................................... 2,213.03

Balance 8th Month 31, 1948

Treasurer's Account.................................................... $ 8,691.55
President's Account................................................... 15,257.45

$2,555,007.74
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, 1948, 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, 1948 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, 1948, 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
<table>
<thead>
<tr>
<th>Fund Name</th>
<th>Details</th>
<th>Amount</th>
</tr>
</thead>
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<tr>
<td><strong>JAMES R. MAGEE FUND</strong></td>
<td>Further distribution of principal of Anna J. Magee Trust</td>
<td>$197.99</td>
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<td><strong>ELLEN W. LONGSTRETH FUND</strong></td>
<td>Distribution from Girard Trust Company</td>
<td>$10,785.65</td>
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<tr>
<td><strong>LEONARD L. &amp; ROGER L. GREIF FUND</strong></td>
<td>From - Leonard L. Greif, Jr. $1,000.00, Roger L. Greif $1,000.00</td>
<td>2,000.00</td>
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<tr>
<td><strong>PARKER S. WILLIAMS FUND (New)</strong></td>
<td>Through - Provident Trust Company &amp; James M. Brittain, Executors</td>
<td>103,993.26</td>
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<tr>
<td><strong>CLARENCE W. BANKARD FUND (New)</strong></td>
<td>From - Girard Trust Company, Trustee</td>
<td>4,305.01</td>
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<td><strong>GILBERT C. FRY FUND (New)</strong></td>
<td>From - Gilbert C. Fry</td>
<td>1,000.00</td>
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<tr>
<td><strong>DANIEL B. BOYER FUND (New)</strong></td>
<td>From - Daniel B. Boyer</td>
<td>2,500.00</td>
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<tr>
<td><strong>MARY K. COMLY FUND (New)</strong></td>
<td>From - Girard Trust Company &amp; Jonathan M. Steere, Executors</td>
<td>35,000.00</td>
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<tr>
<td><strong>ROBERT MARTIN ZUCKERT MEMORIAL SCHOLARSHIP FUND</strong></td>
<td>From - Harry M. Zuckert</td>
<td>2,000.00</td>
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<tr>
<td><strong>JOSEPH C. &amp; ANNE N. BIRDSALL SCHOLARSHIP FUND</strong></td>
<td>From - Dr. and Mrs. Joseph C. Birdsall</td>
<td>5,000.00</td>
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<tr>
<td><strong>CLASS OF 1917 SCHOLARSHIP FUND</strong></td>
<td>Through - Dr. John W. Spaeth, Jr. $10.00, Joseph W. Greene, Jr. 200.00, H. Lawrence Jones 10.00, Dr. E. Roland Snader 100.00, Ernest L. Brown 25.00, Loring Dam 100.00, Hugh E. McKinstry 30.00, Arthur E. Spellissy 225.00, Dr. Donald Chandler 100.00, Edmund T. Price 100.00, Warren Burkett 10.00, M. Alexander Laverty 10.00, Weston Howland 50.00, Arthur H. Napier 5.00, Dr. Newlin F. Paxson 10.00</td>
<td>985.00</td>
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<tr>
<td><strong>Forward</strong></td>
<td></td>
<td>$167,766.91</td>
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32
### DANIEL E. DAVIS, JR. MEMORIAL SCHOLARSHIP FUND (New)
- From: Mr. & Mrs. Daniel E. Davis
- In memory of their son
- Amount: 3,000.00

### JACOB & EUGENIE BUCKY MEMORIAL FOUNDATION
- Through: Solomon L. Fridenberg
- Amount: 500.00

### CLASS OF 1898 GIFT (New)
- From: Vincent Gilpin
- Through: Solomon L. Fridenberg
- Amounts:
  - William W. Cadbury: 200.00
  - Robert N. Wilson: 20.00
  - Arthur S. Harding: 50.00
  - S. Roland Morgan: 50.00
  - Francis Sims McGrath, Esq.: 100.00
  - Morris N. Lee: 25.00
  - Frederick A. Swan: 25.00
  - Albert Syze: 50.00
  - C. Herbert Bell: 1,242.80
  - Francis R. Strawbridge: 1,000.00
  - Alfred G. Scattergood: 1,000.00
  - Mrs. Walter C. Janney (in memory of deceased husband): 50.00
  - Purlee C. Sisler: 25.00
  - Joseph H. Haines: 10.00
  - Richard D. Wood: 1,000.00
  - Fred Stadelman: 50.00
  - John I. Lane: 100.00
  - Thomas Wistar: 1,002.20

### EDMUND J. LEE MEMORIAL AWARD FUND (New)
- (from the Class of 1943)
- Amounts:
  - John M. Allen: 25.00
  - Eugene E. Anderson, Jr.: 5.00
  - Douglas H. Baker: 2.00
  - Arthur H. Bell: 5.00
  - Jared S. Brown: 15.00
  - Tristram P. Coffin: 5.00
  - David A. Coolidge: 10.00
  - Paul M. Cope, Jr.: 15.00
  - Thomas H. Eckfeldt, III: 10.00
  - John J. Enck: 10.00
  - J. Morris Evans: 15.00
  - Sumner W. Ferris: 20.00
  - William L. Grala, Jr.: 5.00
  - William M. Harris: 5.00
  - John F. Herman, Jr.: 7.50
  - John Fitz Hill: 20.00
  - Holland Hunter: 25.00
  - Lewis C. Kebbee: 10.00
  - David B. Kirk: 5.00
  - Howard B. Kriebel: 5.00
  - Edmund J. Lee (in memory of): 50.00
  - Ellen N. Lee (in memory of Ed Lee): 100.00
  - Mildred W. Lee (in memory of Ed Lee): 100.00

- Forward: $469.50
- Total: $177,366.91
EDMUND J. LEE MEMORIAL AWARD FUND (Continued)

Leon Levintow............................................. 25.00
H. Mather Lippincott, Jr.................................. 26.00
Russell M. Lyman......................................... 5.00
Robert MacCrate........................................... 25.00
John C. Marsh............................................. 5.00
Avrel Mason................................................ 10.00
John H. Meader............................................ 5.00
John M. Moon............................................... 25.00
Sterling Newell, Jr....................................... 15.00
Frank K. Otto............................................. 10.00
Norman Peterkin......................................... 30.00
Stuart L. Ridgeway....................................... 10.00
Alan S. Rogers........................................... 10.00
George M. Ryrie........................................... 25.00
William F. Shihadeh..................................... 5.00
John G. Shinn............................................. 5.00
L. Gerow Smiley......................................... 5.00
David D. Somers......................................... 5.00
Kenedon P. Steins........................................ 24.00
Ezra C. Stiles, Jr....................................... 5.00
James S. Sutterlin...................................... 5.00
John W. Thacher, Jr.................................... 5.00
Haskell Torrence......................................... 30.00
Harold S. Thomson...................................... 25.00
Alexander C. Tomlinson, Jr............................ 12.00
John C. Whitehead.................................... 25.00
Carl E. Widney, Jr...................................... 20.00
John B. Wilkie.......................................... 15.00
Dr. Hugh R. Williams................................. 5.00
R. Bayly Winder, IV.................................. 5.00
William N. Wingerd.................................... 15.00

$469.50 $177,366.91
906.50
918,273.41
DONATIONS

ATHLETICS

FOR NEW SCOREBOARD
  From Class of 1947 ........................................ $ 225.00

FOR NEW SWEATERS
  Anonymous ................................................ 250.00

FOR FIELD HOUSE
  Through A. W. Haddleton .................................. 8.00

FOR TRIANGLE SOCIETY MEMORIAL STANDS
  As per list following ...................................... 2,300.00
  From Games' Receipts ...................................... 954.80 $ 3,737.80

FOR BOOKS
  Refund Carnegie Books .................................... $ 31.00
  From Library Associates: as per list following ...... 593.75
  From Minor Library Donations ......................... 58.33
  From Matzke Royalties (from Publisher) ............... 40.28
  Quaker Books from H. Vogt ................................ 1,000.00 1,723.36

FOR PRIZES
  From Alumni Association for Oratorical Prize ...... 50.00

FOR SCHOLARSHIPS
  Corporation Scholarships Relinquished
    From M. J. Oppenheimer ............................... $ 300.00
    W. R. Clark ........................................... 150.00
    S. J. Ginsburg ....................................... 150.00
    R. B. Graham .......................................... 150.00
    G. W. Acker ........................................... 300.00
    F. Ford ............................................... 300.00
    D. B. McCarn ......................................... 150.00 $ 1,500.00
  From Maryland Society of Haverford ................. 600.00
  From Max Leuchter ...................................... 100.00
  From Oberland Trust for Fellowship .................. 2,500.00
  From Estate of Ida Bell for Quaker Children ........ 1,929.10
  From Richard A. Ricks .................................. 200.00 6,829.10

FOR SALARIES
  From Alumni Association .................................. 3,590.00

  Forward .................................................. $15,930.26
# CAMPUS CLUB

Through Dr. Oakley

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<th>Name</th>
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<td>Mrs. Henry Balderston</td>
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<td>Mr. Wilfred Bancroft</td>
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<td>Miss Mabel Beard</td>
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<tr>
<td>Mr. Samuel T. Brinton</td>
<td>$2.00</td>
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<tr>
<td>Mr. and Mrs. Francis F. Campbell</td>
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<td>Dr. and Mrs. Aldo Caselli</td>
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<td>Mr. Aubrey C. Dickson, Jr.</td>
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<td>Mr. Edward W. Evans</td>
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<tr>
<td>Dr. and Mrs. Louis C. Green</td>
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<td>Mr. and Mrs. A. W. Haddleton</td>
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<td>Mrs. Naomi B. Kelsey</td>
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<td>Dr. John A. Kelly</td>
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<td>Mr. Morris E. Leeds</td>
<td>$10.00</td>
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<td>Mr. John C. Lober</td>
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<td>Dr. and Mrs. William B. Meldrum</td>
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<td>Mr. Robert E. Miller</td>
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<td>Mr. C. C. Morris</td>
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<td>Mr. Alfred G. Scattergood</td>
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<td>Mr. J. Henry Scattergood</td>
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<td>Mr. Laird Simons, Jr.</td>
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<td>Mr. Albert K. Smiley</td>
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<td>Mrs. Mabel C. Smiley</td>
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<td>Mr. W. Wyclif Walton</td>
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<td>Dr. and Mrs. A. H. Wilson</td>
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<td>Mr. and Mrs. Edward Woolman</td>
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**Total:** $185.00

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### FOR CHEMISTRY LABORATORY EQUIPMENT

**Anonymous** ........................................ 100.00

### FOR CARE OF COPE FIELD

From Alfred G. Scattergood, Trustee .................. 50.00

### FOR DEBT OF CORPORATION

From Thomas W. Elkinton.............................. 500.00

### FOR COST OF SPECIAL REPORT

From C. A. Pratt....................................... 10.00

### FOR GEORGE FOX’S PORTRAIT

From George and Mary Vaux.......................... 60.00

### FOR LANDSCAPING

From Dr. Richard M. Sutton ......................... 125.00

### FOR CAMP HOUSE

**Anonymous** ........................................ 10,000.00

### FOR RADIO CLUB

**Interest Allowed** .................................. 66.68

**Forward** ............................................ $27,026.94
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<td>From Gabriel Hakim</td>
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<tr>
<td>Anonymous</td>
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<td><strong>FOR TRANSFER UNUSED APPROPRIATION</strong></td>
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<td>From Morris E. Leeds' Gift</td>
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<td><strong>FOR FACULTY SALARIES</strong></td>
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<tr>
<td>Anonymous</td>
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<tr>
<td><strong>FOR GENERAL PURPOSES</strong></td>
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<td>From Hoag Trust</td>
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<td>From Professor Oakley</td>
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<tr>
<td><strong>FOR PAVING MEETING HOUSE LANE</strong></td>
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<tr>
<td>Anonymous</td>
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<td><strong>FOR IMPROVEMENTS IN GYMNASIUM</strong></td>
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<tr>
<td>From Class of 1928 (see list following)</td>
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<td><strong>CLASS OF 1934 FUND</strong></td>
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<td><strong>CLASS OF 1945</strong></td>
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<td>For Common Room</td>
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<td><strong>ALUMNI SUSTAINING FUND</strong></td>
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<td>See list following</td>
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<tr>
<td><strong>HUMAN RELATIONS GIFT</strong></td>
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<tr>
<td>Anonymous</td>
<td>7,588.17</td>
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<td><strong>Total</strong></td>
<td>$ 70,687.86</td>
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CONTRIBUTORS TO THE "LIBRARY ASSOCIATES"

Mr. and Mrs. Charles Abbott ............... $ 3.00
Mr. and Mrs. Jacob B. Abbott ............... 2.00
Mr. John Forsyth Alexander ................. 2.00
Mrs. William C. Alexander ................. 4.00
Mr. and Mrs. A. H. Allen .................... 2.00
Mr. and Mrs. Carl B. Allendoerfer .......... 2.00
Dr. and Mrs. Kenneth E. Appel .............. 20.00
Mr. and Mrs. Manuel J. Asensio ............. 2.00
Mr. and Mrs. Wilfred Bancroft ............... 5.00
Miss Mabel S. Beard ......................... 2.00
Miss Mrs. B. Beddall ......................... 2.00
Mr. and Mrs. Thomas A. Benham .............. 2.00
Mrs. Robert Montgomery Bird ............... 2.00
Mr. and Mrs. Paul Bleyden ................... 2.00
Miss L. M. Bostwick ......................... 2.00
Mr. and Mrs. Harold W. Brecht .............. 2.00
Dr. and Mrs. Arthur A. Briskin ............. 2.00
Mr. and Mrs. Friedrich Bruns ............... 2.00
Mrs. Helen Cabury Bush ..................... 2.00
Mr. and Mrs. Aldo Caselli ................... 2.00
Miss Edith Chambers ......................... 2.50
Mrs. George Hamilton Chambers .............. 2.50
Mr. and Mrs. George K. Chandler ............ 2.00
Dr. and Mrs. J. Howard Cloud ............... 2.00
Mrs. William H. Collins ..................... 2.00
Mr. and Mrs. S. Drinker ..................... 2.00
Mr. Robert Cryan ............................ 3.75
Mr. Claude Albert Cubberley ................. 4.00
Dr. David M. Davis ......................... 5.00
Dr. and Mrs. Lovett Dewees .................. 2.00
Miss Susan J. Dewees ....................... 4.00
Dr. and Mrs. T. McK. Downs ................. 10.00
Mr. and Mrs. Thomas E. Drake .............. 3.00
Mr. and Mrs. S. Drinkman ................... 2.00
Mr. and Mrs. Henry C. Evans ................. 2.00
Mrs. McClure Fahnestock ..................... 2.00
Dr. and Mrs. Clifford B. Farr .............. 2.00
Miss Kathryn V. Forrest .................... 2.00
Mr. Henry S. Fraser ......................... 5.00
Mrs. Sara K. Fuller ......................... 2.00
Miss Marion G. Gary Bush .................... 2.00
Mr. and Mrs. George H. Gilbert ............. 2.00
Mr. Howard L. Goodhart ..................... 10.00
Mr. and Mrs. Douglas W. Gould .............. 5.00
Mr. and Mrs. Louis C. Green ............... 2.00
Mr. Morris M. Green ......................... 10.00
Miss Gladys H. Griscom ...................... 5.00
Mr. and Mrs. James M. Guiterre ............. 1.00
Mr. and Mrs. J. Morgan Harding ............. 5.00
Miss Ethel Hastings ......................... 2.00
Mrs. John V. Hastings, Jr ................... 5.00
Miss Sylvia B. Hetzel ....................... 2.00
Miss Margaretta S. Hinchen ................. 2.00
Mr. and Mrs. Harrison S. Hires ............. 5.00
Mr. and Mrs. William L. Hires .............. 2.00
Mr. and Mrs. Clarence C. Hoag .............. 10.00
Mr. and Mrs. Gilbert T. Hoag ............... 2.00
Mr. and Mrs. Howard Hogenauer .............. 5.00
Mr. and Mrs. Allen F. Horton ............... 5.00
Mrs. Ralph D. Jackson ....................... 2.00
Mr. Charles F. Jenkins ..................... 10.00
Mrs. H. Lawrence Jenkins ................... 5.00
Mr. and Mrs. A. Jonston ..................... 5.00
Mr. Charles Dexter Jones .................... 2.00
Mrs. Rufus M. Jones ......................... 2.00
Mrs. Rayner W. Kelsey ....................... 2.00
Mr. and Mrs. M. Albert Linton .............. 10.00
Miss Dorothy H. Litchfield .................. 5.00
Mr. and Mrs. John C. Lober .................. 4.00
Mr. and Mrs. Dean P. Lockwood .............. 2.00

Carried Forward $266.75

Total $593.75
CONTRIBUTORS TO THE "ALUMNI FUND"

1881
Levi T. Edwards
Walter F. Price

Contributors
Total for the year
$75.00
100%

1882
J. Henley Morgan
Edward Randolph

Contributors
Total for the year
50%

1883
Stephen W. Collins

Contributors
Total for the year
83%

1885
William T. Ferris
Arthur W. Jones
Rufus M. Jones
(Now Deceased)
William T. Reeve
Isaac Sutton (In memory of)

Contributors
Total for the year
100%

1886
William H. Savery

Contributors
Total for the year
50%

1887
Edward F. Childman
Allen B. Clement
Henry H. Goddard
Willis H. Hazard
Frederic H. Strawbridge

Contributors
Total for the year
83%

1888
Henry V. Gummere
Francis C. Hartshorne
Morris E. Leeds
Joseph W. Sharp, Jr.

Contributors
Total for the year
67%
1899
William A. Battey  
Edward H. Lycett, Jr.  
E. Roberts Richie  
A. Clement Wild  
Louis R. Wilson

Contributors 50%  
Total for the year $231.75

1900
William B. Bell  
Francis R. Cope, Jr.  
Henry S. Drinker  
John T. Emlen  
Frank M. Eshelman  
Henry M. Hallett  
Walter S. Hinckman  
Samuel W. Mifflin  
Heber Sensenig  
Frederick C. Sharpless  
Aram G. Tatnall  
Edward B. Taylor, Jr.  
Linden H. White

Contributors 54%  
Total for the year $230.00

1901
Ellis Y. Brown, Jr.  
John W. Cadbury  
William E. Cadbury  
Lawrence W. DeMotte  
Lovett Dewees  
William H. Kirkbride  
Herbert S. Langfled  
William O. Mendenhall  
Edward L. Macomber  
W. LaCoste Nellson  
Frederick Sharp

Contributors 48%  
Total for the year $150.00

1902
Edgar H. Boles  
C. Reed Cary  
Arthur S. Cookman  
William V. Dennis  
Edward W. Evans  
John S. Fox  
Richard M. Gummere  
Guernsey E. Newlin  
Percival Nicholson  
William P. Phillips  
J. Wallace Reeder  
Robert J. Ross  
Norris A. Scott  
John L. Stone  
George H. Thomas  
E. Earl Trout  
Alexander C. Wood, Jr.

Contributors 59%  
Total for the year $2,072.00

1903
Henry J. Cadbury  
A. Griffin Dean  
James R. Drinker  
Mergur Eshleman  
J. Emory Hollingsworth  
Arthur J. Phillips  
Robert L. Simkin  
I. Sheldon Tilton  
Howard M. Trueblood

Contributors 47%  
Total for the year $84.00

1907
Harold Evans  
Samuel J. Gummere  
Wilbur H. Haines  
James P. Magill  
Howard Mitchell  
Alfred B. Morton  
C. Clayton Terrell  
Alex N. Warner  
George H. Wood

Contributors 36%  
Total for the year $287.00

1904
William S. Bradley  
Howard H. Brinton  
Phillip D. Folwell  
George K. Helbert  
William T. Hildre  
W. M. C. Kimbner  
Bernard Lester  
Robert P. Lowry  
C. Christopher Morris  
Harold H. Morris  
Charles R. Owen  
Edgar T. Snipes  
James M. Stokes, Jr.  
John R. Thomas  
Bert C. Wells  
William M. Wills  
Samuel C. Withers

Contributors 59%  
Total for the year $763.00

1905
T. M. Bales  
Benjamin H. Cates  
Henry G. Cox  
Benjamin Eshleman  
Paul Jones  
Charles S. Lee  
Joseph H. Morris  
Glyndon Priestman  
Elia Ritts  
Leslie B. Seely  
Sigmond Spieky  
Herman K. Stein  
Ralph W. Trueblood  
Edwards F. Winslow

Contributors 48%  
Total for the year $245.00

1906
Walter Carson  
Thomas Crowell  
Henry W. Doughten  
H. Boardman Hopper  
William Kennard  
Jesse D. Phillips  
Henry Pleasant, Jr.  
Albert K. Smiley  
John A. Stratton  
Joseph J. Tunney  
Walter A. Young

Contributors 42%  
Total for the year $150.00

1908
Fisher C. Bally  
Carroll T. Brown  
Howard Burtt  
J. Browning Clement, Jr.  
Clifford C. Collings  
Dudley D. Carroll  
Thomas C. Desmou  
Cecil K. Drinker  
Edward A. Edwards  
J. Passmore Elkhnto  
Thomas R. Hill  
Walter E. Lewis  
M. Albert Linton  
T. Morris Longstreth  
Charles L. Miller  
W. Haviland Morris  
Loren C. Petry  
Charles H. Rogers  
Winthrop Sargent, Jr.  
Carl F. Scott  
Walter R. Shoemaker  
George K. Strode  
Walter W. Whitson  
Raymond C. Wooldr

Contributors 62%  
Total for the year $490.00

1909
R. Newton Brey  
Percival B. Fay  
William S. Febiger  
Allan J. Hill  
Sidney Loewenstein  
Charles G. Martinson  
PauL Van Reed Miller  
Joseph W. Pennypacker  
Frank M. Ramsey  
J. Warrington Stokes  
Frederick R. Taylor  
Charles B. Thompson  
Robert L. M. Underhill  
W. W. Warner

Contributors 41%  
Total for the year $285.00

1910

Lawrence H. Barrett  
Earlham Bryant  
Earl S. Cadbury  
Donald B. Cary  
H. Ernest Crow  
Edward W. David  
Joseph C. Develin  
Harrison Hires
Arthur W. Hutton
John D. Kenderdine
George A. Kerbaugh
Charles S. Leiningter
Henry C. Lewis
Samuel Mason, Jr.
Christopher Morley
Reginald H. Morris
Walter Palmer
John Phillips
Samuel A. Rabinowitz
Charles S. Ratine
Perry B. Strasburger
Willard Tomlinson

Contributors
Total for the year
$870.00

1911

Daniel B. Boyer
Phillip B. Deane
Walter R. Dent
William D. Hartshorne
David Hinshaw
Louis L. Hobbs
William L. Klein
L. Arnold Post
Joseph H. Price
D. Duer Reynolds
Edwin A. Russell
Gibson Smith
William Tebbetts
Frederick Tostenson
Wesley Wadsworth
Caleb W. Winslow

Contributors
Total for the year
$327.00

1912

Albert L. Bally, Jr.
Stacey K. Beebe
A. L. Biedebach
J. Arthur Brownlee
Joshua A. Cope
Hans Freidelcher, Jr.
Walter F. Graham
Herbert M. Lowry
Robert E. Miller
Sydney S. Morris
Irvin C. Foler
Leonard C. Ritts
William H. Roberts
Thomas E. Shipley
Samuel B. Sturgis
Lloyd M. Smith
Henry M. Thomas, Jr.
Edward Wallerstein
Charles H. Wetzel

Contributors
Total for the year
$935.00

1913

Paul H. Brown
Charles H. Crosman
William S. Crowder
Frederick A. Curtis
Charles G. Darlington
Francis H. Diamant
Joseph C. Ferguson, III
Lawrence N. Hadley
Norris F. Hall
William Y. Hare
Charles E. Hires, Jr.
Elaha T. Kirk
William C. Longstreth
Edmund R. Maule
Stephen W. Mender
Lloyd H. Mendenhall
George Montgomery
Oliver M. Porter
Frederick P. Steff
L. Raiston Thomas
John V. VanSickle
William Webb
Donald Wilder
Edwards F. Winslow
George L. Winslow

Contributors
Total for the year
$226.50

1914

W. G. Bowerman
Caroll D. Champlin
George V. Downing
Charles W. Edgerton
Alfred W. Elkinson
Howard W. Elkinson
Thomas W. Elkinson
Edward M. Jones
Harold M. Lane
Robert A. Locke
Harold S. Miller
William S. Patteson
Rowland S. Phillips
Robert C. Smith
S. Emlyn Stokes
John A. Stout
Herbert W. Taylor
Thomas Tomlinson
Charles K. Trueblood
Charles R. Williams

Contributors
Total for the year
$1,388.50

1915

Donald G. Baird
Edgar C. Bye
G. Cheston Carey
J. W. Gummere
George H. Hallett, Jr.
Harold W. Helveston
Thomas Hoopes, Jr.
Hubert A. Howson
William H. Leland
Harlan L. McCracken
Felix Morley
Elmer L. Shaffer
C. Brinkley Turner
Walter E. Vail
Donald B. VanHollen
Ernest N. Votaw

Contributors
Total for the year
$184.00

*In addition to contributions to the Class of 1917 Scholarship Fund reported on page 32.
1921

Elliot W. Brown
S. Newcomb Ewan, Jr.
Thomas L. Fansler, Jr.
Edmund G. Haufl
Eugene R. Hellman
John R. Hoopes
William T. Jebb
Henry W. Kumm
Julian S. Long
Archibald MacIntosh
Samuel A. Nock
Raymond T. Ohl
A. Arthur Powell
Albert E. Rogers
M. H. Sangree
Joseph H. Smith
Charles W. Ufford
Benjamin B. Weatherby
Robert N. Wood

Contributors
Total for the year
71%
$394.50

1922

Charles D. Abbott
Noel S. Arrowsmith
John B. Barker
Kenneth Braddock-Rogers
Andrew Brown
Henry S. Fraser
John F. Gummers
George A. Hilleman
Ralph A. Klemm
Frederick S. Miller
Robert R. Matzke
Delaplain McDaniel
Thomas R. Montgomery
Elliston P. Morris
Harry W. Pfund
William L. Rhoads
William E. Silver
Richard M. Sutton
Edward A. Taylor
Kenneth B. Walton
Prosper D. Wirt
J. Colvin Wright
Edwin W. Zerrer

Contributors
Total for the year
38%
$159.00

1923

Russel G. Allen
W. Warden Bacon
John C. Borton
H. Tatnall Brown, Jr.
F. P. Flint
Frank S. Flowers
Gilbert C. Fry
Edward K. Hilliard
Garrett S. Hoag
William C. Hunsicker, Jr.
Wilmot R. Jones
S. Brooks Knowton
Franklin C. Mors, Jr.
Thomas Parke
Robert Schultz
John R. Stevenson
Gordon W. Strawbridge

Contributors
Total for the year
41%
$543.00

1924

Charles F. Bader, Jr.
Hugh P. Brinton
J. Stanton Carson
Howard Comfort
Thomas S. Ellis
Edward Foulke
Charles H. Frazier
Harold D. Greenwell
Gaylord P. Harnew
Paul R. Haviland
Wesley M. Hellman
Howard J. Hogenauer
George W. Howgate
Charles E. Nash
Lawrence N. Taylor
Edward P. VanTine
W. Wycliff Walton
W. Nelson L. West, III

Contributors
Total for the year
37%
$567.00

1925

Conrad Acton
Eric G. Ball
Francis C. Barton, Jr.
Robert C. Bates, Jr.
Wray D. Bentley
Geoffroy Billo
Leigh E. Chadwick
Douglas W. Eiseeman
Martin Eshleman
Thomas C. Garrett
Edward L. Gordy
C. William Haines
J. S. Curtis Harvey, Jr.
H. Richard Hellman
William E. Hinrichs
Irving Hollingshead
Henry F. House
Alfred P. Hulme
Charles H. Johnson, Jr.
Karl G. Kumm
Edwin F. Laug
Durrell L. Leach
Horshal L. Macon
Hugh Montgomery
Frank F. Muller
Jesse T. Nicholson
Charles V. A. Pittman
David J. Reinhardt, Jr.
Owen B. Rhoads
William D. Rogers
James M. Sanders
Albert E. Savage
John L. Schulze, Jr.
Charles C. Sellers
John A. Silver
Francis Mcf. Stifler
Walter P. Stokes
Henry H. Strong
1926

Francis H. Ale
Donald G. Baker
Robert Barry, Jr.
Hugh Borton
Alfred E. Buck
John B. Calkin
Francis F. Campbell
Alexander R. Carman, Jr.
Franklin O. Curtis
Henry C. Evans
Charles H. Greene
Gerald C. Gross
Edmund P. Hannum
Dalzell F. Hartman
Robert L. Hatcher
Harris G. Haviland
J. Dean Joly
Winthrop M. Leeds
Daniel C. Lewis, Jr.
Benjamin H. Lowry
Willard E. Mead
Robert H. Richie
Fred Rodell
Paul L. Sassaman
Charles E. Sumwalt
Edward S. Wood, Jr.

Contributors 44%  
Total for the year $288.00

1927

Addison J. Allen
Samuel A. Armstrong
James W. Baker
Ward Bales
Samuel Cook
Daniel M. Coxe
Leopold S. David
Allan B. Fay
John E. Forsythe
Albert V. Fowler
William O. Grover
William S. Halstead
John L. Hellyer
Walter E. Huelle
Arland I. Innes
John C. Lober
Paul W. Ohi
Allen G. Powell
Ira B. Rutherford
Franklin Sanders
S. Stansfeld Sargent
Watson Scarborough
W. Burr Totten

Contributors 43%  
Total for the year $232.00

1928

The Class of 1928 special anniversary gift is reported on page 9.

1929

John E. Abbott
William K. Alsop, Jr.
William L. Beard
John A. Bishop
Samuel T. Britton
Roger C. Brown
John R. Cooper
Carroll L. Corson
James G. Downward
Herbert K. Ewinsworth
John P. Fox
George S. Garrett
Thomas C. Gawthrop
John G. Hartman
Charles M. Hamilton
Arthur S. Hawthorn
Kenneth E. Kingham
Davis D. Lewis
Joseph E. MacNamee
James S. Maier
Ralph L. Miller
Gerald F. Rorer
Francis W. Sharpless
Robert C. Sullivan
Daniel D. Test, Jr.
Richard G. Urban
Alexander H. Ware
Harold L. Wilt
F. Howell Wright

Contributors 40%  
Total for the year $323.00

1930

Bradford S. Abernethy
John L. Blackman, Jr.
B. Franklin Blair
Richardson Blair
Arthur H. Britton
T. Ward Bruegel
D. R. Buxton
Robert L. Dothyard
J. Richard Durham
Theodore Evans
Willem Ezerman
W. Clark Hanna
John Hynes
Frank W. Lindsey
Joseph W. Martin
William M. Masland
Irvin W. McConnell
Brevert H. Morris
J. Howard Morris, Jr.
Theodore H. Morris, III
Edward Rosewater
Harlow B. Rowell
Daniel Smiley, Jr.
George Vaux
Wilfred H. Wickersham
Robert VanderVoorst
Thomas Wistar, Jr.
Thomas Wiggins, Jr.

Contributors 40%  
Total for the year $767.00

1931

Marion A. Arthur
Richard C. Baker
Henry G. Barnhurst
J. Wendell Burger
Thomas E. Burns, Jr.
Reverend J. George Butler
William E. Cadbury, Jr.
S. Hall Conn
Alfred R. Crawford
George B. Edgar
Robert F. Edgar
F. W. Elliott Farr
Robert L. Farr
Robert W. Gabriel
Donald L. Gibson
John T. Gold
John D. Gresimer
Thomas B. Harvey
Charles M. Henry
James M. Houston
Jonathan P. Jessop
K. Ray Katz
William M. Maier
Adrian S. Mann
Edward H. Manns
Lauman Martin
Richard L. Masland
Raymond E. Maxwell
Arthur J. Mekeel
Ivan C. Milhous
Frank G. Nelson
Charles S. Pennypacker
W. Windfield Ray
Herbert W. Reisner
F. Mac D. Richardson
Ellis C. Saint
E. Allen Schilpp
Carl A. Schopbach
Harris Shane
Phillip B. Shaw
E. Rodman Shippen
Edwin A. Speckman
Frank N. Speller, Jr.
Walter M. Teller
Joseph T. Tew
Ignatius M. Weiringer
John H. Wills
Evan M. Wilson

Contributors 67%  
Total for the year $532.50

1932

Carl B. Allendorfer
Walter C. Baker
Wilson Bennett
William E. Brinton
Richard D. Brown
John W. Conner, Jr.
Walter I. Dothard, Jr.
J. Russell Elkinston
Harry Fields
Gifford P. Foley
Herbert S. Gaskill
George Gerenbeck, Jr.
Barton Guermere, III
C. Robert Haines
Joseph N. Hartel
John H. Hoag
H. Gifford Irion
Harry G. M. Jopson
Lewis Kohk

43
Archibald McKinley
William E. Miller
Ellis C. Osgood
Thomas J. Potts
William W. Pusey
Kendall E. Read
Joseph Rhoads
Arthur S. Roberts
Fred G. Rudge
Harold J. Schramm
Wallace M. Scudder
John W. Settle, Jr.
William V. Sipple, Jr.
Albert K. Smiley, Jr.
Franklin J. Smith
Dana M. Street
Charles S. Strickler
Allen M. Terrell
John R. Watkins
Rudolph M. Wertimer
John A. Zapp, Jr.

Contributors 53% 
Total for the year $560.00

1933
James Andrews, Jr.
Clarence P. Baker
William A. Battey, Jr.
Douglas H. Borgestadt
William D. Daub
Horace K. Dugdale
Charles E. Frank
Henry B. Gilbert
Luther S. Green, Jr.
Stephen T. Gulbrandsen
William F. Hardham
Charles S. Jacobs
R. Wilfred Kelsey
Benjamin V. Lentz
John W. Masland, Jr.
John F. McMahon
Edward A. Moos
William H. Russell, Jr.
John R. Sargent
Henry Scatteredgood
Howard D. Sordon, Jr.
James N. Stanton, Jr.
W. Hooten Stokes
Robert W. Thompson
Frederick R. Van Denbergh, Jr.
Henry J. Vaux
David L. Wilson

Contributors 40% 
Total for the year $263.50

1934
Robert C. Atmore
Lewis H. Bowen
Pritz K. Downey
Oliver F. Egleston
(Now Deceased)
Louis W. Flaccus, Jr.
Grant V. Frazer
J. Morton Fultz, Jr.
Edward G. Gibbs
Leonard L. Greif, Sr.
William H. Haines, III
J. Ogden Hancock
Edward M. Hendrickson
Eugene F. Hogenauer
Hunt B. Jones
Frank L. Kennedy
J. Douglas Lockard
Benjamin S. Loewenstein
David W. Looons
David H. Parsons, Jr.
Richard R. Piasant
Norman J. Rush (In memory of
Calvin C. Rush)
Henry G. Russell
Roger Scattergood
Erwin Schmid
Arthur G. Singer, Jr.
Bruce D. Smith
William W. Smith
H. Miles Snyder
John C. Wilson
Frederick H. Wright
William M. Wight, Jr.
Contributors 40% 
Total for the year $288.50

1935
William L. Apeil, Jr.
Clifton M. Bockstoce
Chapman Brown
B. B. Bartram Cadbury
John B. Christopher
Meredith B. Colket, Jr.
Charles B. Conn, Jr.
Woodruff J. Emlen
Frederick E. Foerster
William H. Harman, Jr.
Robert F. Hunsieker
E. Charles Kunkle
E. Wayne Marshall
Edward J. Matlack
Jackson K. Matthews
Allen R. Memhard, Jr.
Samuel Potter, Jr.
John B. Rhoads
Kimberley S. Roberts
Graham Rohrer
Frederick N. Roif
Rowland G. Skinner
Philip P. Steptoe
William S. Stoddard
Francis J. Stokes, Jr.
Richard M. Suffern
William H. Tatam
C. Bradley Watkins
Alexander C. Wood, III
Contributors 37% 
Total for the year $267.50

1936
Robert W. Baird, Jr.
Thomas R. Bevan
George B. Bookman
Robert Braucher
Donald W. Brown
Jonathan A. Brown
Thomas D. Brown
William R. Brown, III
Daniel F. Coogan, Jr.
William A. Crawford
Ellis I. Curley
Arthur S. Dulaney, Jr.
David C. Elkinston
Francis C. Evans
Grant C. Fraser
E. R. Fry
Robert S. Gawthrop, Jr.
Milton F. Glessner, Jr.
John N. Goodridge
Henry S. Huntington, III
Arthur R. Kahn, Jr.
Samuel Kind
Howard T. Lodge, Jr.
William H. Loesche, Jr.
William A. Macan, III
Lewis B. Maier
David K. Maxfield
Samuel S. McNearry
Park H. Miller, Jr.
W. Brooke Morgan, Jr.
Lloyd E. Morris, Jr.
Ralph C. Most
John L. Parker
Henry F. Parry
Harry T. Paxton
James G. Pelce
Charles Perry
Joseph D. Purvis, Jr.
John Sebastian
William E. Sheppard
Allen W. Stokes
Joseph H. Taylor
William F. Tiernan, Jr.
Henry L. Tomkinson
John Van Brun, Jr.
Hubert M. Vining
Alexander C. Williams, Jr.
Robert B. Wolf
E. Gardiner Youtz
Contributors 64% 
Total for the year $493.50

1937
William W. Allen, III
Thomas S. Barker, Jr.
William H. Bond
Samuel L. Botto, Jr.
R. Franklin Bratton
Stephen G. Cary
William H. Daudt
Henry S. Drinker, Jr.
William M. Dugdale
Hans B. Engelman
Bruce H. French
Henry Freund, III
Roger L.
Henry C. Gulbrandsen
Marshall C. Guthrie, Jr.
Charles E. Holzer, Jr.
James D. Hoover
Andrew D. Hunt, Jr.
W. Lawrence Kimberly
Robert H. Kriehle
John A. Lester, Jr.
M. Albert Linton, Jr.
James H. Lockwood
John B. Lukens
Ralph H. McMahon
George Norris, Jr.
William A. Koster
William R. Reynolds
Joseph T. Rivers
Peter P. Rodman
Edward H. Rosenberg
Herbert W. Taylor, Jr.
J. Wallace VanCleave
Philip M. Whitman
Carl E. Wilbur
Stephen V. Wilking
Jay W. Worrall, Jr.
Contributors 39% 
Total for the year $381.00
1938

T. A. Benham
Robert M. Bird, Jr.
Richard S. Bowman
Robert Burnside
John T. Carson, Jr.
Donald S. Childs, Jr.
William H. Clark, Jr.
Robert A. Clement
Valery de Beausset
Audrey C. Dickson, Jr.
W. William Duff, Jr.
Charles R. Ebersol
Samuel R. Evans
Roderick Firth
William N. Fraleigh
George L. Hartenstein
Louis B. Kohn, Jr.
William B. Kriebel
Amos P. Leib
Charles H. Ligon
Henry C. Longnecker
William H. Lunden, Jr.
George B. Mathews
F. Huston McIlvain
Elliott H. Morse
Leonard F. Norsworthy
Dikran S. Pakraduni
Frank M. Ramsey, Jr.
Clayton E. Ranck
Lindley B. Reagan
James L. Rich
Leslie B. Schramm
Philip R. Shank
Jonathan M. Steere, Jr.
Thomas C. Tatman
Hubert R. Taylor
Irving Telling
William M. Webb
E. Hambleton Welbourn, Jr.
Laurence G. Wessow, Jr.
Whittemore Whittier
Edmund C. Wingerd, Jr.

Contributors 33%
Total for the year $441.00

1940

Henry P. Bailvet, Jr.
Arthur E. Brown
Robert Dewees
David P. Flaccus
John E. Gross
Hamford Henderson
Alexander C. Hering
John T. Hoffman
Robert J. Hunn
Samuel F. Johnson
Samuel D. Kron
F. Allen Lewis
John M. Lindley, Jr.
Elliott Mason
Hayden Mason
Parke D. Massey
William F. McDevitt
Charles K. Peters
John T. Sharkey
John W. Wieder, Jr.
Charles H. Wollinger
J. William Wood, Jr.

Contributors 33%
Total for the year $119.00

1941

Edward P. Allison, Jr.
Stephen B. Andrus
David B. Arnold
Robert F. Arthur
Arthur G. Ashbrook, Jr.
H. Richard Blackwell
Howard L. Blum
Richard H. Bolster, II
Eugene E. Botelho
Daniel B. Boyer, Jr.
Albert D. Branson
John A. Buttrick
Henry D. Cormann, III
Hunt Davis
John W. Dorsey
Christopher Evans
Robert W. Evans, Jr.
Robert N. Evert
Gerrett L. Ewing
Louis J. Finger
Edwin D. Grosholz
R. Bruce Harley
John C. Hawley
Geoffrey Hemphill
William L. Hires
H. Kelman Holmes
Andrew F. Inglis
Benton D. King
William A. Liddell, Jr.
Thomas Little
William K. Miller
Tucker F. Morlan
George L. Mosse
Samuel M. Murphey, Jr.
J. Philip Neal
Wilson H. Pile
Robert R. Pough

Paul C. Rowland
David W. Shoemaker
Malcolm K. Smith, Jr.
Robert H. Smith
Samuel Snipes
Leon Solls-Cohen, Jr.
G. Ralph Strohl, Jr.
Harry H. Stuart
John B. Swigert
Roy S. Vogt
Kenneth W. Weyerbacher
Kenneth A. Wright
Howard E. Ziegler, Jr.

Contributors 60%
Total for the year $460.65

1942

Charles C. Abbott
Warren D. Anderson
E. Howard Bedrossian
Burns Brodhead
Norman S. Brouse
Knox Brown
Roy A. Dye, Jr.
Arthur Evans
John D. Farquhar
Edward Flaccus
John A. Fust
James F. Gary
Thomas C. Gibb
J. Jarden Guenther
Gove Hambridge, Jr.
Heber H. Harper, II
Gordon W. Howe
T. Cynthy Jones
Richard Kay
John S. Laughlin
George C. Lewis, Jr.
William B. Meldrum, Jr.
Clyde K. Nichols, Jr.
Thor N. Rhodin, Jr.
Lewis P. Saxter
William H. W. Skerrett, Jr.
Franklin P. Sweetser
David C. Thompson
John D. Thomson
Frank M. Weiskel
Robert G. Winslow
(In Memory of)
W. Scott Worrall

Contributors 43%
Total for the year $386.00

1943

The Class of 1943 Gift is reported on page 33.

1944

C. W. Abbott of J.
Ellsworth C. Alvord, Jr.
George E. Bair
Donald H. Baird
John L. Baiderston
Horace N. Compton, Jr.
William K. Conn
Jodie D. Crabtree, Jr.
Casslin, W. Craig
Frederick A. Curtis, Jr.
Daniel E. Davis, Jr.
(In memory of)
Henry R. Eager, Jr.
Charles E. Fox, Jr.
Thomas Elkington
Marlin Gildemeister
Jesse G. Grier
Allan W. Hamilton
Walter Hollander, Jr.
George D. Hopkins, II
John T. Hough
William McC. Houston
George W. Hubler
R. Fairless Jorden
(In memory of)
John S. Klein
John M. Krom
Daniel K. Miller
Gilbert H. Moore, Jr.
Warren Moore, Jr.
Robert W. Murphey
Arnold R. Post
H. Royer Smith, Jr.
David E. Stokes
Samuel E. Stokes, Jr.
Spencer R. Stuart
H. Craig Sutton, Jr.
Henry S. Vila
Richard W. Watkins
John S. Wires
Howard P. Wood
James H. Worl

Contributors 48%
Total for the year $603.00

1945

Warren C. Baldwin
George A. Bartholomew
David E. Bassert
John F. Beardsley
John H. Benge
Edward Block
Thomas Cartier
John R. Cary
Richard W. Cole
Mary E. Dassenbrock
Peter H. Deitsch
Paul H. Domincovich
Francis E. Fairman, III
Barton K. Fergoe
Henry H. Fettermann
Richard T. Hamilton
Arthur R. Harned
David Y. Y. Hsi
Lewis M. Johnson
James K. Johnston, III
William L. Lehmann
David Mallory
Philip C. Mann
Charles W. Matlack
Charles E. Pancoast, III
John W. Pierson, Jr.
Robert G. Pontius
Edmond Preston, III
Donald A. Purdy
Vernon M. Root
R. Bradley Royer
Herbert N. Slotnick
Albert T. St.Clair, Jr.
Augustus M. Tanaka
Christopher Van Hollen
Henry E. Vinsinger
Stacey H. Widdicombe, Jr.
James B. Wright
Llewellyn P. Young

Contributors 64%
Total for the year $316.95

1946

Frederick H. Bartlett
Robert H. Bedrossian
Robert H. Behrens
Thomas M. Birksail
William H. Chartener
Robert F. Clayton
Lewis E. Coffin
John T. Fell
Thomas P. Goodman
Paul M. Henkels, II
Theodore M. Hittner
Walter Y. Kato

Contributors 38%
Total for the year $25.00

1947

Ragnar Austad
Jules Bingham
Robert F. Doane
Israel M. Dowbinstein
George L. Nicklin, Jr.
Richard D. Rivers
Robert P. Roche
Daniel H. Wagner

Contributors 23%
Total for the year $55.00

1948

Timothy Atkeson
William P. Barker, II
William F. Bouzarth
William H. Harris
Bruce M. Miller

Contributors 38%
Total for the year $25.00

Special Contribution

In memory of Sergei Thomas

Total for the year $77.00

Total $24,126.35
SPECIAL GIFTS

1928

James W. Alcorn, Jr.
Henry S. Ambler
John C. Beatty, Jr.
Carl F. Berlinger
William R. Bready, III
Richard C. Bull
Frederick M. Burgess
Royal S. Davis
John T. Evans
John O. Fitzsimmons
E. Dean Flint
C. Keely Fox
W. Addison Fox, Jr.
Walter J. Gruber
A. Burtis Hallock, Jr.
William K. Hartzell
Theodore B. Hetzel
Richard L. Hilleter
Nelson J. Hogencan
Edward D. Hollander
Allen P. Horton
J. Quincy Hunscicker, III
John A. H. Keith, Jr.
J. McLain King
Richard T. Lane
William E. Livezey
John S. McConaghy
Gerald D. McDonald
Michael McEntee
Oliver W. Melchior
Richard F. Minnicn.
James E. Mitchell
Samuel B. Morrison
Henry S. Murphy
Alexander L. Nichols
Paul W. Nimmo
Eric H. Renwick
John Rex, Jr.
Jonathan E. Rhoads
Ingram H. Richardson
Donald W. Richie
Louis F. Richter
Charles A. Robinson
J. Cecil Rowe
Osman J. Seeds
Robert L. Shank
Phillip A. Sheaff, Jr.
Franklin W. Smith
Ellsworth B. Stevens
J. Tyson Stokes
Lawrence A. Tassi
Charles M. Taturn
Herbert F. Taylor
Allen C. Thomas, Jr.
Theodore H. A. Vanneman, III
Thomas S. Whiting
Theodore Whittelseny, Jr.
Richard Wistar
John W. Woll
Leonard E. Yoder

Contributors 100%
Total for the year $1,398.50

Leonard L. Greiff, Jr.
Dr. J. O. Hancock
Dr. Hunt B. Jones
Dr. J. Douglas Lockard
Robert M. McKee
Philip G. Richardson
Norman C. Rush
Henry G. Russell
Dr. Arthur G. Singer
H. Miles Snyder
Edwin C. White
F. H. Wright

Total for the year $288.00*

*The above is in addition to the amount of $563.41 received and reported in previous fiscal years.

TRIANGLE SOCIETY MEMORIAL STANDS

Triangle Society
Triangle Society Havercnd Collegc Chapter

CLASS OF 1895
Frank H. Conklin
Henry M. Miller

CLASS OF 1897
Charles H. Howson

CLASS OF 1903
Arthur J. Phillips

CLASS OF 1908
Winthrop Sargent, Jr.

CLASS OF 1909
Allan J. Hill

CLASS OF 1921
John R. Hoopes

CLASS OF 1922
Robert Matzke

CLASS OF 1923
Andrew L. Lewis

CLASS OF 1924
Howard J. Hogenauer

CLASS OF 1929
David C. Bevan
Lionel C. Ferrara

CLASS OF 1932
John W. Connor

CLASS OF 1938
Hubert Richie Taylor
E. Hambleton Wilbourn, Jr.

CLASS OF 1943
John M. Moon

CLASS OF 1948
William H. Harris

CLASS OF 1910
George A. Kerbaugh

CLASS OF 1918
M. D. Kerbaugh

CLASS OF 1917
Robert Gibson

Total for the year $2,300.00

Contributors 22
REPORT OF  
"LOAN FUND"  
Established 1926  

Report No. 22  
August 31, 1948  

Current Year 1947-48

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash Balance on hand, August 31, 1947</td>
<td>$ 9,312.75</td>
</tr>
<tr>
<td>20 Loans repaid during year</td>
<td>2,674.50</td>
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<tr>
<td>6 Partial payments on loan during year</td>
<td>651.97</td>
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<tr>
<td>Interest received during year</td>
<td>369.73</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$13,008.95</strong></td>
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Operating expenses:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Printing forms</td>
<td>$ 59.40</td>
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<tr>
<td>Collection fees</td>
<td>$122.40</td>
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<tr>
<td>12 Loans made during year</td>
<td>1,677.40</td>
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<tr>
<td>Cash balance on hand, August 31, 1948</td>
<td>11,331.55</td>
</tr>
<tr>
<td>Loans outstanding, August 31, 1948</td>
<td>7,509.89</td>
</tr>
<tr>
<td>Interest outstanding, August 31, 1948</td>
<td>599.08</td>
</tr>
<tr>
<td><strong>Total Resources, August 31, 1948</strong></td>
<td><strong>$19,440.52</strong></td>
</tr>
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</table>

Total to August 31, 1948

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gifts and Donations</td>
<td>$28,131.14</td>
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<tr>
<td>383 Loans repaid</td>
<td>56,743.05</td>
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<tr>
<td>491 Payments on Loan,</td>
<td>21,066.24</td>
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<tr>
<td>Interest Paid up</td>
<td>14,109.44</td>
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<tr>
<td>Other sundry collections</td>
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<tr>
<td><strong>Total Receipts</strong></td>
<td><strong>$120,099.89</strong></td>
</tr>
<tr>
<td>Repayments of Gifts and Donations</td>
<td>$21,708.05</td>
</tr>
<tr>
<td>Loss on funds at Merion Title &amp; Trust Co.</td>
<td>582.01</td>
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<tr>
<td>Expenses</td>
<td>141.96</td>
</tr>
<tr>
<td>Loans made</td>
<td>108,768.34</td>
</tr>
<tr>
<td>Cash balance, August 31, 1948</td>
<td>11,331.55</td>
</tr>
<tr>
<td>Outstanding Interest to August 31, 1948</td>
<td>599.08</td>
</tr>
<tr>
<td>Outstanding Loans to August 31, 1948</td>
<td>7,509.89</td>
</tr>
<tr>
<td><strong>Total Resources, August 31, 1948</strong></td>
<td><strong>$19,440.52</strong></td>
</tr>
</tbody>
</table>
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 to be used for the payment of professors or teachers.

49
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 Wahn. 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 Co., 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. Present book value, $5,208.91.

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.

50
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, and $175.00. under his legacy. Present book value, $43,382.69 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, $25,793.00. 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.

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 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 and added to in 1935, 1936, and 1937 by donations totaling $5,000 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 income only is to be used, and for general purposes. Present book value, $4,844.02.

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 $11,300, 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.

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 residiary 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 $4,305.01. 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 FUND**

Philadelphia 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 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. 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, $349,719.30. 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 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, $8,454.71. 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, Caspar 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 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 scholarships 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. Present book value $5,734.85.

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 1944-1945. 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 SCHOLARSHIP FUND

Founded Sixth Month 13, 1946 by a gift of $8,000.00 from Madeleine Seabury Febiger, of Philadelphia, in memory of her husband, Christian Febiger, Class of 1900.

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, $8,000.00.

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 gift 1947-48 $5,000. Present book value $15,000.

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.

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, $65,410.51. 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. Present book value, $19,466.40.

**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 present 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 $635.47, 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 also 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, $612.50.
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."

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, $2,571.04.

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. 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, $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 re-building 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 $3,609.55.

JACOB AND EUGENIE BUCKY MEMORIAL FOUNDATION

Founded Sixth Month 4, 1942 by gift of $2,000.00 from Colonial Trust Company of New York and Solomon L. Friedenberg 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 God; 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.

"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, $4,205.44.

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, $1,170.19.
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 totalling $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. Present book value, $5,000.

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 totalling $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.

"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, extracurricular 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."

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STATED MEETINGS OF THE CORPORATION
AND THE MANAGERS

The Annual Meeting of "The Corporation of Haverford College" is held on the second Third-day in the Tenth Month, at 3 o'clock p.m.

The Stated Meetings of the Managers for 1947-48 will be held on the second Sixth-day of First and Third Months, and on the third Sixth-day of 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 or other similar taxes, unto the Corporation of Haverford College, the sum of ________________________________ Dollars.

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 estate: (Here describe the real estate.)