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HAVERFORD COLLEGE

ACCESSION NO. 210668









# HAVERFORD COLLEGE BULLETIN



Catalog, 1955-56

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# HAVERFORD COLLEGE BULLETIN



1955-56

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| 1955   |    |    |    |    |    |    |    |       |    |    |    |    |    |    |    |
|--------|----|----|----|----|----|----|----|-------|----|----|----|----|----|----|----|
|        | S  | M  | T  | W  | T  | F  | S  |       | S  | M  | Т  | W  | T  | F  | S  |
| Sept.  |    |    |    |    | 1  | 2  | 3  | Nov.  |    |    | 1  | 2  | 3  | 4  | 5  |
|        | 4  | 5  | 6  | 7  | 8  | 9  | 10 |       | 6  | 7  | 8  | 9  | 10 | 11 | 12 |
|        | 11 | 12 | 13 | 14 | 15 | 16 | 17 |       | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|        | 18 | 19 | 20 | 21 | 22 | 23 | 24 |       | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|        | 25 | 26 | 27 | 28 | 29 | 30 |    |       | 27 | 28 | 29 | 30 |    |    |    |
| Oct.   |    |    |    |    |    |    | 1  | Dec.  |    |    |    |    | I  | 2  | 3  |
|        | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 22000 | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
|        | 9  | 10 | 11 | 12 | 13 | 14 | 15 |       | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|        | 16 | 17 | 18 | 19 | 20 | 21 | 22 |       | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|        | 23 | 24 | 25 | 26 | 27 | 28 | 29 |       | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|        | 30 | 31 |    |    |    |    |    |       |    |    |    |    |    |    |    |
|        |    |    |    |    |    |    | 19 | 5 6   | 1  |    |    |    |    |    |    |
|        | S  | M  | T  | W  | T  | F  | S  |       | S  | M  | T  | W  | T  | F  | S  |
| Jan.   | 1  | 2  | 3  | 4  | 5  | 6  | 7  | Apr.  | 1  | 2  | 3  | 4  | 5  | 6  | 7  |
|        | 8  | 9  | 10 | 11 | 12 | 13 | 14 |       | 8  | 9  | 10 | 11 | 12 | 13 | 14 |
|        | 15 | 16 | 17 | 18 | 19 | 20 | 21 |       | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|        | 22 | 23 | 24 | 25 | 26 | 27 | 28 |       | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
|        | 29 | 30 | 31 |    |    |    |    |       | 29 | 30 |    |    |    |    |    |
| Feb.   |    |    |    | 1  | 2  | 3  | 4  | May   |    |    | 1  | 2  | 3  | 4  | 5  |
|        | 5  | 6  | 7  | 8  | 9  | 10 | 11 |       | 6  | 7  | 8  | 9  | 10 | 11 | 12 |
|        | 12 | 13 | 14 | 15 | 16 | 17 | 18 |       | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|        | 19 | 20 | 21 | 22 | 23 | 24 | 25 |       | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|        | 26 | 27 | 28 | 29 |    |    |    |       | 27 | 28 | 29 | 30 | 31 |    |    |
| March  |    |    |    |    | 1  | 2  | 3  | June  |    |    |    |    |    | 1  | 2  |
| MINICH | 4  | 5  | 6  | 7  | 8  | 9  | 10 | June  | 3  | 4  | 5  | 6  | 7  | 8  | 9  |
|        | 11 | 12 | 13 | 14 | 15 | 16 | 17 |       | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|        | 18 | 19 | 20 | 21 | 22 | 23 | 24 |       | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|        | 25 | 26 | 27 | 28 | 29 | 30 | 31 |       | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|        |    |    |    |    |    |    |    |       |    |    |    |    |    |    |    |

College days in heavy-face type.

#### Calendar

#### 1955-1956

| Registration of all new students  | Sept. 26-27     |
|---|-----------------|
| Beginning of College year with Collection, 9 A.M.                                       | Sept. 28        |
| Registration of returning students to be filed by 4 P.M                                 | Sept. 28        |
| First semester classes begin 8 A.M.   | Sept. 29        |
| Thanksgiving vacation (dates inclusive) 1 P.M   | Nov. 23-27      |
| Major Registration cards for men in the fourth term must be filed by                    | 4 P.M Dec. 7    |
| Registration (Spring Term)  | Dec. 13, 14, 15 |
| Christmas vacation (dates inclusive) 12 noon  | Dec. 17-Jan. 2  |
| First Semester classes end, 4 P.M   | Jan. 19         |
| Mid-year examinations (dates inclusive) * *   | Jan. 23-Feb. 4  |
| Second semester classes begin 8 A.M.  | Feb. 6          |
| Applications for Fellowships for the following year must be filed by                    | Mar. 1          |
| Spring vacation (dates inclusive)   | Mar. 24-Apr. 1  |
| Major Registration cards for men in the fourth term must be filed by 4                  | P.M Apr. 11     |
| Manuscripts in competition for prizes must be filed in the Registrar's Office by 4 P.M. | May 1           |
| Registration (Fall Term)  | May 1, 2, 3     |
| Second Semester classes end 12 noon   | May 19          |
| Senior Comprehensive Examinations (dates inclusive)                                     | May 21-24       |
| Final examinations (dates inclusive) **   | May 24-June 6   |
| Commencement  |                 |
|   |                 |

<sup>\*</sup>If a paper is assigned in place of the final examination in a course the date by which is it due may be set by the instructor not later than 4 P.M. on Tuesday of the final week of the examination period. Late papers will receive no credit unless arrangements have been made *in advance* with the instructor in the course and the Dean.

<sup>\*\*</sup>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 arangements have been made *in advance* with the instructor in the course and the Dean. In courses which have no scheduled examination, notebooks must be turned in by 4 P.M. on Tuesday of the final week of the examination period.

#### Corporation of Haverford College

#### Officers

DR. S. EMLEN STOKES, President Moorestown, N. I.

WM. MORRIS MAIER, Treasurer 814 Provident Trust Building, Philadelphia 3, Pa.

JOHN F. GUMMERE, Secretary
W. School Lane and Fox Street, Philadelphia 44, Pa.
WM. NELSON WEST, 3RD, Assistant Secretary

1600, Three Penn Center Plaza, Philadelphia 2, Pa.

## Members of the Standing Nominating Committee of the Corporation

Term Expires 1955

# WILLIAM E. CADBURY R.D. #2, West Chester, Pa. HENRY C. EVANS 635 Manatawna Avenue, Philadelphia 28, Pa. TIMOTHY P. HAWORTH 3-C Morris Court Apts., Merchantville, N. J. \*\*Term Expires 1956\*\* WILLIAM Y. HARE Lincoln Liberty Building, Philadelphia 7, Pa. ROGER SCATTERGOOD Provident Trust Building, Philadelphia 3. Pa.

#### Term Expires 1957

| THOMAS W. ELKINTON1156 Public Ledger Building, Philadelphia | 6, Pa.   |
|---|----------|
| J. BARCLAY JONES  | nor, Pa. |
| RUSSELL W. RICHIE   | 7, Pa.   |

#### Board of Managers

#### Ex-Officio as Officers of Corporation

| DR. S. EMLEN STOKES, President |
|--------------------------------|
| Term Expires 1955              |

|                         | -   |
|-------------------------|---|
|                         | 801 Market Street, Philadelphia 7, Pa.            |
| JONATHAN M. STEERE      | 2517 Girard Trust Building, Philadelphia 2, Pa.   |
|                         | 5337 Knox Street, Philadelphia 44, Pa.            |
| Dr. Henry M. Thomas, Jr | 314 Overhill Road, Baltimore 10, Md.              |
| ALEXANDER C. WOOD, JR   |   |
| HAROLD EVANS            | 000 Provident Trust Building, Philadelphia 3, Pa. |
|                         | .1308 Land Title Building, Philadelphia 10, Pa.   |
| RUSSELL W. RICHIE       | 1212 Market Street, Philadelphia 7, Pa.           |
| Dr. Joseph Stokes, Jr.  | 1740 Bainbridge Street, Philadelphia 46, Pa.      |
|                         |   |

#### Term Expires 1956

| M. ALBERT LINTON           | 4601 Market Street, Philadelphia 39, Pa.   |
|----------------------------|--|
| EDWARD WOOLMAN             | Haverford, Pa.                             |
| THOMAS W. ELKINTON 1156 Pu | iblic Ledger Building, Philadelphia 6, Pa. |
| HENRY C. EVANS             | Manatawna Avenue, Philadelphia 28, Pa.     |
| GARRETT S. HOAG            |  |
| Dr. Jonathan E. Rhoads     | . 3400 Spruce Street, Philadelphia 4, Pa.  |
| *James M. Houston          | .717 Oliver Building, Pittsburgh 22, Pa.   |
| THOMAS B. HARVEY           | 0 W. Wildey Street, Philadelphia 23, Pa.   |
| GEOFFROY BILLO             | 25 Broad Street, New York 4, N. Y          |

#### Term Expires 1957

| CHARLES J. RHOADS         | Ithan Road, Bryn Mawr, Pa.                       |
|---------------------------|--|
| EDWARD W. EVANS           | Awbury, Germantown, Philadelphia 38, Pa.         |
| WILLIAM A. BATTEY         |  |
| Dr. Frederic C. Sharpless | Beach Haven, N. J.                               |
| JOHN A. SILVER            | Apple Hill Farm, Pipersville, Pa.                |
| H. JUSTICE WILLIAMS 901   | Provident Trust Building, Philadelphia 3, Pa.    |
|                           | Mohonk Lake, N. Y.                               |
| *THEODORE WHITTELSEY, JR  | 986 Railroad Avenue, Bryn Mawr, Pa.              |
| *Donald E. Wilbur         | . 115 Pennsylvania Avenue, Bryn Mawr, Pa.        |
| STEPHEN G. CARY           | A.F.S.C., 20 S. 12th Street, Philadelphia 7, Pa. |
|                           |  |

#### Faculty Representatives on Board of Managers

Term Expires 1956 WALLACE T. MACCAFFREY

Term Expires 1957 H. Field Haviland, Jr.

Alternate: HOWARD M. TEAF, JR.

<sup>\*</sup>Alumni Representative Manager.

#### Officers of the Board of Managers

Chairman of Board
DR. S. EMLEN STOKES

Secretary of Board
WM. NELSON WEST, 3RD
1300 Packard Building, Philadelphia 2, Pa.

#### Standing Committees of the Board of Managers

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

#### Executive Committee

DR. S. EMLEN STOKES, Chairman

JOHN F. GUMMERE

DR. JONATHAN E. RHOADS

ALEXANDER C. WOOD, JR.

WM. MORRIS MAIER

DR. FREDERIC C. SHARPLESS

THEODORE WHITTELSEY, JR.

THOMAS W. ELKINTON

THOMAS B. HARVEY

EDWARD W. EVANS

M. ALBERT LINTON

WM. NELSON WEST, 3RD

#### Committee on Finance and Investment

JONATHAN M. STEERE, Chairman

ALEXANDER C. WOOD, JR.

M. ALBERT LINTON

WM. MORRIS MAIER
ROBERT A. LOCKE
RUSSELL W. RICHIE

HAROLD EVANS

#### Committee on College Property

DANIEL SMILEY, Chairman

WILLIAM A. BATTEY

EDWARD WOOLMAN

THOMAS W. ELKINTON

DONALD E. WILBUR

GEOFFROY BILLO

#### Committee on Honorary Degrees

STANLEY R. YARNALL, Chairman

DR. HENRY M. THOMAS, JR.

HAROLD EVANS

GARRETT S. HOAG

H. JUSTICE WILLIAMS

DR. JOSEPH STOKES, JR.

HOLLAND HUNTER

#### Counsel

MACCOY, EVANS AND LEWIS 1000 Provident Trust Building Philadelphia 3, Pa.

#### Faculty

- LEON HAWLEY RITTENHOUSE ....... Professor of Engineering, Emeritus M.E., Stevens Institute of Technology.
- FRANK DEKKER WATSON ... Professor of Sociology and Social Work, Emeritus S.B. in Economics and Ph.D., University of Pennsylvania.

- ALFRED WM. HADDLETON ... Assistant Professor of Physical Education, Emeritus
  JOHN OTTO RANTZ ... ... Instructor in Engineering, Emeritus

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

<sup>\*</sup>Absent on leave, 1955-56.

| *RICHARD MANLIFFE SUTTON  |
|---|
| RALPH MILLARD SARGENT F. B. Gummere Professor of English A.B., Carleton College; Ph.D., Yale University.  |
| HOWARD MORRIS TEAF, JR  |
| JOHN WILLIAM FLIGHT   |
| IRA DE AUGUSTINE REID   |
| ALFRED JULIUS SWAN  |
| HARRY WILLIAM PFUND   |
| *HERMAN MILES SOMERS  |
| ROY EARL RANDALL Professor of Physical Education Ph.B. Brown University. and Director of Intercollegiate Athletics  |
| *RICHARD MAX BERNHEIMER Professor of History of Art on joint Ph.D., University of Munich. appointment with Bryn Mawr College                              |
| WILLIAM ATTICH REITZEL Professor of Social Science S.B., Haverford College: B.A. and M.A., Oxford University.   |
| THOMAS EDWARD DRAKE   |
| *LOUIS CRAIG GREEN  |
| WILLIAM EDWARD CADBURY, Jr  |
| THOMAS OSWELL JONES   |
| FRANK BRADSHAW WOOD   |
| **HOWARD COMFORT  |
| CLAYTON WILLIAM HOLMES Associate Professor of Engineering S.B. and M.E., University of New Hampshire; A.M., Haverford College.                            |
| WILLIAM DOCHERTY, JR.  S.B., Temple University.  **THEODORE BRINTON HETZEL  Associate Professor of Physical Education  Associate Professor of Engineering |
| **THEODORE BRINTON HETZEL   |
| *LAURENCE WILLIAM WYLIE Associate Professor of Romance Languages A.B. and A.M., University of Indiana; Ph.D., Brown University.                           |
| MANUEL JOSE ASENSIO   |
|   |

<sup>\*</sup>Absent on leave, 1955-56.

\*\*Absent on leave, first semester.

\*\*\*Absent on leave, second semester.

- H. FIELD HAVILAND, JR. . . . . . . . . . . . Associate Professor of Political Science A.B., A.M. and Ph.D., Harvard University.

- FRANCES DE GRAAFF ...... Associate Professor of Russian Ph.D., University of Leyden. on joint appointment with Bryn Mawr College

- RICHARD VERNON ANDREE ...... Visiting Associate Professor of Mathematics B.S., University of Chicago; Ph.M. and Ph.D., University of Wisconsin.

- GERHARD GUNTER FRIEDRICH ...... Assistant Professor of English A.B., Guilford College; A.M., Haverford College; Ph.D., University of Minnesota.

- KENNETH SHIELDS WOODROOFE ...... Assistant Professor of English M.A., Oxford University.
- FRANK JOSEPH QUINN ..... Assistant Professor of English Literature B.A., Oxford University.

<sup>\*</sup>Absent on leave, 1955-56.

| ROBERT LOUIS CONNER   |
|---|
| A.B., Washington University; Ph.D., Indiana University.   |
| DOUGLAS HAMILTON HEATH  |
| AARON LEMONICK  |
| RICHARD MARION RUSH   |
| ANDREW MACKAY SCOTT   |
| ROBERT JOEL WISNER  |
| JOHN RICHARD CARY   |
| MORTON SACHS BARATZ   |
| MARTIN FOSS Lecturer in Philosophy LL.D., University of Jena.   |
| CLARENCE EVAN PICKETT Lecturer in Christian Ethics A.B., Penn College; B.D., Hartford Theological Seminary; LL.D., Haverford College; LL.D., Earlham College. |
| HENRY JOEL CADBURY  |
| College.  |
| HENRY HORNIK  |
| CRAIG DUNLAP CULBERT Instructor in Chemistry B.S., Haverford College; M.A., Temple University.  |
| ROBERT MARLOWE DURLING Instructor in English A.B. and A.M., Harvard University.   |
| JONATHAN FRANCIS BENNETT Instructor in Philosophy M.A., University of New Zealand; B.Phil., Oxford University.  |
| MAX BLUESTONE   |
| ROBERT HAWES BUTMAN Instructor in Drama and Public Speaking on joint appointment with Bryn Mawr College B.A. and M.A., University of North Carolina.          |
| ROBERT ENGGASS  |
| appointment with Bryn Mawr College.  A.B., Harvard University; M.A. and Ph.D., University of Michigan.  |
| MICHAEL SHAW Instructor in French B.A., Swarthmore College.   |
| NORMAN BARGE BRAMALL Assistant in Physical Education  |
| RAYMOND TAYLOR BRAMALL  |
| NORMAN MONTGOMERY WILSON  |
| Akademie der Bildenden Künste, Vienna.  DAVID SHOEMAKER RICHIE  |
| S.B., Haverford College.  |
| The Vice-President, the Dean and the Comptroller are members of the Faculty.  |

#### Visiting Faculty on the Philips Fund

1954-1955

LUDWIG BIERMANN, Ph.D.

Max Planck Institute, Gottingen University.

NEILS BOHR, D.Sc., Ph.D.

Director, Institute for Theoretical Physics, Copenhagen.

DR. JOZA BRILEJ

Ambassador Extraordinary and Plenipotentiary Permanent Representative of the Federal People's Republic of Yugoslavia to the United Nations.

DOUGLAS R. HARTREE, F.R.S., M.I.E.E., M.A., Ph.D.

Plummer Professor of Mathematical Physics, University of Cambridge.

GEORGE F. KENNAN, A.B.

Institute for Advanced Study, Princeton.

SIR MUHAMMAD ZAFRULLA KHAN

Member, International Court of Justice, The Hague.

MARGARET MEAD, B.A., Ph.D., Sc.D., LL.D.

Associate Curator of Ethnology, American Museum of Natural History.

F. D. MURNAGHAN, B.S., M.A., D.Sc., Ph.D.

Professor of Mathematics Emeritus, Johns Hopkins University.

GARDNER MURPHY, B.A., A.M., Ph.D.

Director of Research, Menninger Foundation

NIGEL NICOLSON, M.B.E.

Member of Parliament

ANDRÉ PHILIP, licensié, agrégé, Docteur en Droit,

Delegate General to the European Movement for the Unification of Europe.

KALI PRASAD, M.S.

Chairman, Department of Philosophy and Psychology, Lucknow University.

WILLIAM E. WARNE, A.B.

Director of U.S. Mission to Iran.

### Administration

| S.B., S.M. and Ph.D., University of Chicago; LL.D., Hamilton College.  | t  |
|--|----|
| ARCHIBALD MACINTOSH  |    |
| †LESTER CORNERIUS HAWORTH  | ŧ  |
| WILLIAM EDWARD CADBURY, JR   | 3  |
| Mrs. Edytha M. Carr  | r  |
| ALDO CASELLI   | r  |
| JOHN ASHBY LESTER, JR  | 3  |
| THOMAS EDWARD DRAKE  |    |
| HENRY DENNIS CORNMAN, III  B.S., Haverford College; M.D., University of Pennsylvania.  Physician               | 2  |
| MABEL SYLVIA BEARD   | ?  |
| LOUIS CRAIG GREEN Director of the Strawbridge Memorial Observatory A.B., A.M. and Ph.D., Princeton University. | V  |
| MRS. MIRIAM R. NUGENT Dietitian B.S., New York University.   | 2  |
| BENNETT SMEDLEY COOPER Alumni Secretary and Assistant to the President S.B., Haverford College.                | t  |
| GERTRUDE MANN WONSON   | 91 |
| MRS. ALICE M. BERRY Secretary to the Presiden  | į  |
| MRS. MARIS M. OGDEN Secretary to the Dear A.B., Rosemont College.  | 3  |
|  |    |

<sup>†</sup>Deceased.

# 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 1955-56 are Messrs. Roche (Social Sciences), Campbell (Natural Sciences), and Cary (Humanities).

ACADEMIC STANDING: Mr. Docherty, Chairman. Messrs. Heath, James, Meldrum, Woodroofe.

ADMISSIONS: Mr. MacIntosh, Chairman. Messrs. Flight, Quinn, Sargent, Scott.

ARTS AND SERVICE: Mr. Woodroofe, Chairman.
Messrs. Baratz, Enggass, Gutwirth, Reese, N. Wilson.

CURRICULUM AND COLLEGE PROGRAM: Mr. Bell, Chairman. Messrs. W. Cadbury, Haviland, Lemonick, Lester, Pfund.

FACULTY COMPENSATION: Mr. Teaf, Chairman. Messrs. Benham, Cornman, Holmes, Jones, Rush, Scott.

FELLOWSHIPS AND PRIZES: Mr. Steere, Chairman. Messrs. Andree, H. Comfort, Durling, Foss, Reitzel.

GRADUATE PROGRAM: Mr. Reid, Chairman.
Messrs. H. Cadbury, F. Comfort, Culbert, Drake, Pickett, Steere, Teaf.

LIBRARY: Mr. MacCaffrey, Chairman.
Miss deGraaff, Messrs. Bennett, Dunn, Friedrich, Gordon, Post.

PHILIPS VISITORS: Mr. Roche, Chairman. Messrs. Gutwirth, Loewy.

STUDENT AFFAIRS: Mr. Campbell, Chairman.
Messrs. Asensio, R. Hill, Keeley, Matlack, Randall, Wisner.



## THE COLLEGE PROGRAM



#### HAVERFORD COLLEGE

As a Quaker College, Haverford stresses in its educational policy the importance of personal and social ideals. In the past, this concern has been expressed through Fifth Day Meeting and Collection, rather than in any formal way in the requirements for the degree. Recent changes in faculty policy, 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.

Haverford believes that desirable qualities can be cultivated in the classroom and laboratory but that this process can be supplemented and strengthened by a sound program of student government and extracurricular activities. The non-academic program 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.

From the beginning these aims have been important in Haverford's educational program; the changes now in effect 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 fore-front 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 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 \$10,000,000. This endowment enables the College to maintain a superior faculty of unusual size in proportion to the number of students. Student enrollment is limited to approximately 450 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 extracurricular activities.

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

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

Each applicant for admission must take the Scholastic Aptitude Test and three Achievement Tests of the College Entrance Examination Board. The English Achievement Test is required, but a candidate may choose the other two tests. If there is any doubt about the choice of the two tests, he should consult the Director of Admissions. 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.

<sup>\*</sup> 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 requirements should be discussed with the Director of Admissions. The remaining units will be drawn from laboratory science, social science, history, and additional mathematics and language.

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

#### Information Concerning College Entrance Board Tests

The College Entrance Examination Board will hold a complete series of examinations on each of the following dates during the academic year 1955-1956:

Saturday, December 3, 1955
Saturday, January 14, 1956
Wednesday, August 8, 1956
Saturday, March 17, 1956
Saturday, May 19, 1956

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

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

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

English Composition Advanced Mathematics

Social Studies Biology
French Reading Chemistry

German Reading Intermediate Mathematics

Latin Reading Physics

Spanish Reading

In addition, at the March, 1956, series only, Achievement Tests in Greek Reading and Italian Reading will be offered, but only to candidates who register in advance specifically for these tests.

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

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

Candidates should make application by mail to the College Entrance Examination Board. Students who wish to take the examinations in any of the following States, territories, or foreign areas should address their inquiries and send their applications to College Entrance Examination Board, P. O. Box 27896, Los Feliz Station, Los Angeles 27, California:

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

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

Japan and Formosa

Haverford prefers that its candidates take the March series of College Board examinations, but it will accept the December or January series if a candidate wishes to take them at those times.

Application forms will be sent to any candidate upon request. When ordering the forms candidates must state whether they wish applications for the December, January, March, May or August tests. Application forms for the December tests will be available early in the fall; those for the January tests will be ready for distribution about November 1st, those for the March series, about January 9th; forms for the other two series will be available immediately after the preceding series has been held. A copy of the Bulletin of Information is routinely sent to every candidate requesting an application blank.

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

| Scholastic Aptitude Test and one, two or three |    |
|--|----|
| Achievement Tests\$12.0                        | 00 |
| Scholastic Aptitude Test only                  | 00 |
| One, two or three Achievement Tests only 8.0   | 00 |

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

For examination centers located

in the United States. in Europe, Asia, Canada, Alaska, Hawaii. Africa, Central and the Canal Zone, Mexico, South America, and or the West Indies Australia November 12 No administration November 26 December 17 February 25 January 28 April 28 March 31 July 18 June 20

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

Date of Tests

December 3, 1955

January 14, 1956 March 17, 1956

May 19, 1956

August 8, 1956

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

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

#### Advanced Standing

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

#### Financial Arrangements

#### Rooms

ENTERING FRESHMEN are assigned the rooms available after the other classes have made their choice. It is not always possible to meet the desire of Freshmen for the remaining rooms. The College assumes that a new student will accept any available room of approximately the same quality as the room for which a preference is expressed. New students will be notified of the rooms assigned to them by means of a list available in Roberts Hall. The choice of rooms by other students is governed by published rules.

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

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

#### Expenses

The tuition charge for all regular students is \$750.00 for the academic year. Tuition for special students is \$125.00 per course, per semester. The board is \$470.00, and room rent \$250.00 per year. The Unit Fee is \$85.00 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 Freshmen 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 (a maximum of \$500.00 within one year of each 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 \$500.00 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 medical expenses incurred as result of an accident be paid the student, who in turn will present his claim to his insurance carrier.

The College requires a \$70.00 deposit to cover the cost of books and any other incidental charges which may arise during the school year. At intervals during the year, a bill for the actual charges made will be sent to the student. If this bill, or any other indebtedness, is not paid by the end of the semester, credits will not be granted for the work performed. Any unspent balance is refunded at the end of the academic year.

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 first risk may apply for information at the Office of the Comptroller.

#### Monthly Payments

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

#### Student Loan Fund

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

For information apply at the Office of the Comptroller.

#### Student Aid

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

# Scholarships

SCHOLARSHIPS are awarded on a basis of merit and individual need. While no scholarship is given for more than one year, it is the practice to continue the scholarship if a student's scholastic performance has been satisfactory and his need remains constant.

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 1956-1957, together with supporting letters from parents or guardians, should be in the hands of Vice-President MacIntosh before April 15, 1956.

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.

CORPORATION AWARDS.—Four Corporation Scholars will be chosen in each class. In the senior, junior and sophomore classes the selection will be made on the basis of the highest general averages for the preceding year. In the freshman class the selection will be made after the May College Board Examinations (see page 24). Each man will be awarded \$50.00 in books. No application for these awards is necessary.

# The Endowed Scholarships

It is not necessary for applicants to mention specific scholarships in their applications except in those cases where they meet the special conditions stated for the award.

- I. ISAIAH V. WILLIAMSON SCHOLARSHIPS.—Three scholarships, usually awarded to members of the Senior and Junior classes.
  - II. RICHARD T. JONES SCHOLARSHIP.—One scholarship.
  - III. EDWARD YARNALL SCHOLARSHIP.—One scholarship.
  - IV. THOMAS P. COPE SCHOLARSHIP.—One scholarship.
  - V. SARAH MARSHALL SCHOLARSHIP.—One scholarship.

- VI. MARY M. JOHNSON SCHOLARSHIP.—One scholarship.
- VII. ISAAC THORNE JOHNSON SCHOLARSHIP.—One scholarship, available for a student of Wilmington College or a member of Wilmington (Ohio) Yearly Meeting of Friends.
- VIII. CASPAR WISTAR MEMORIAL SCHOLARSHIP.—One scholarship, 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.
- IX. LOUIS JAQUETTE PALMER MEMORIAL SCHOLARSHIP.—This scholarship 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.
- X. J. KENNEDY MOORHOUSE MEMORIAL SCHOLARSHIP.—One scholarship, 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."
  - XI. PAUL W. NEWHALL MEMORIAL SCHOLARSHIP.—One scholarship.
- XII. ROBERT MARTIN ZUCKERT MEMORIAL SCHOLARSHIPS.—Two or more scholarships, preference to be given to "a native of New York or Connecticut who now resides in one of those States."
  - XIII. SAMUEL E. HILLES MEMORIAL SCHOLARSHIP.—One scholarship.
- XIV. CLASS OF 1913 SCHOLARSHIP.—One scholarship, 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.
- XV. ISAAC SHARPLESS SCHOLARSHIP FUND.—Founded in 1941. Scholarships open to graduates of secondary schools and undergraduates of Haverford College. Awards based upon fulfillment by applicant of requirements used in selection of Rhodes Scholars to the University of Oxford. Awards granted from list submitted to Selection Committee by the Director of Admissions, subject always to final approval by the President of the College; amount variable.

XVI. CLASS OF 1917 SCHOLARSHIP.—One scholarship, 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.

XVII. THE GEOFFREY SILVER MEMORIAL SCHOLARSHIP.—One scholarship, available to a public school graduate in this general area who may enter Haverford.

XVIII. DANIEL B. SMITH SCHOLARSHIP.—One scholarship, 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 descendant of Benjamin R. Smith, if any such should apply."

XIX. SARAH TATUM HILLES MEMORIAL SCHOLARSHIP FUND.—Founded November 1, 1954, 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.'"

XX. ELIHU GRANT MEMORIAL SCHOLARSHIP FUND.—Two or more scholarships, 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 post-graduate degree at Haverford College.

XXI. JOSEPH L. MARKLEY MEMORIAL SCHOLARSHIP.—One scholarship, awarded at the discretion of the Faculty, "on the basis of character, scholarship and financial need."

XXII. JOSEPH C. AND ANNE N. BIRDSALL SCHOLARSHIPS.—One scholarship, 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."

XXIII. DANIEL E. DAVIS, JR. MEMORIAL SCHOLARSHIP.—One scholarship, awarded at the discretion of the Faculty, "on the basis of character, scholarship and financial need."

XXIV. CHRISTIAN FEBIGER MEMORIAL SCHOLARSHIP.—One scholarship, 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.

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

XXVI. JONATHAN M. STEERE SCHOLARSHIP FUND.—Established in December 1948 by Jonathan M. Steere, of the Class of 1890. The scholarship is intended primarily for a graduate of Moses Brown School, Providence, Rhode Island, who shall be a member of the Society of Friends.

XXVII. WILLIAM GRAHAM TYLER MEMORIAL SCHOLARSHIP.—Founded in 1949 in memory of William Graham Tyler, of the Class of 1858. Preference shall be given to students from Oskaloosa, Iowa, or from William Penn College, on the basis of character, scholarship and financial need.

XXVIII. MAX LEUCHTER MEMORIAL SCHOLARSHIP.—Established in December, 1949, in memory of Max Leuchter, father of Ben Z. Leuchter, of the Class of 1946. One scholarship, awarded at the discretion of the Faculty, "on the basis of character, scholarship and financial need."

XXIX. 1890 MEMORIAL SCHOLARSHIP FUND.—Established by a member of the Class of 1923 in memory of his father, of the Class of 1890, and in recognition of his father's friendship with the members of his class. The income from this fund is to be awarded as a scholarship by the College to a deserving student.

XXX. THE A. CLEMENT WILD SCHOLARSHIP.—Established May 14, 1951, by Mrs. Gertrude T. Wild in memory of her husband, A. Clement Wild, of the Class of 1899. The income from this fund is to be awarded as a scholarship by the College to a deserving student. Preference shall be given to an English exchange student or someone in a similar category.

XXXI. THE CHARLES MCCAUL FUND.—Established in 1951 by Mary N. Weatherly. One or more scholarships which shall be "awarded to students who show special interest in the field of religion and the social sciences."

XXXII. THE CAROLINE CHASE SCHOLARSHIP FUND.—Established December 10, 1951, by Caroline Chase, daughter of Thomas Chase, one-time

president of the College. This fund is an expression of Thomas Chase's "enthusiastic appreciation for its high standards of scholarship in Greek, Latin and English literature."

XXXIII. THE JONATHAN AND RACHEL COPE EVANS FUND.—Founded in 1952 by the children and grandchildren of Jonathan and Rachel Cope Evans. One half of the income of this fund is to be used for scholarships.

XXXIV. THE NEW ENGLAND SCHOLARSHIP.—Established by the Haverford Society of New England for a New England boy from a New England school. In the award of this scholarship a committee, composed of alumni of the New England area, will consider character and personal qualities as well as the scholastic record and need of the applicant.

XXXV. THE ROY THURLBY GRIFFITH MEMORIAL FUND.—Established in June 1952 by Grace H. Griffith, in memory of Roy Thurlby Griffith, of the Class of 1919. The income from this fund is to be awarded as a scholarship by the College, "preference to be given to boys who have no father and who are in need of financial assistance."

XXXVI. THE MORRIS LEEDS SCHOLARSHIPS.—Established in 1953 by the Board of Managers of the College in memory of Morris E. Leeds, a member of the Class of 1888 and chairman of the Board from 1928 to 1945.

XXXVII. THE CLASS OF 1904 SCHOLARSHIP FUND.—Established June 4, 1954, in commemoration of the fiftieth anniversary of the Class of 1904. The income from this fund, which was contributed by the Class and the families of its deceased members, will provide one scholarship.

XXXVIII. THE WILLIAM MAUL MEASEY FUND.—Established in 1952 by William Maul Measey, a friend of the College, who has been deeply interested in education and who has wished to help students of high quality in the pursuit of their education.

# The General Scholarships

In addition to the endowed scholarships, a general scholarship fund is available. Awards from this fund will be made by the committee, the scholarships varying in size and number according to the need of the applicants.

### 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

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 (part of which may be replaced by work in the Arts and Service Program). The courses may be classified as follows:

| Required (English 11-12)                                    | 2        |
|---|----------|
| Limited Electives (either two or four in Foreign Languages- |          |
| see below)  | 14 or 16 |
| Major Concentration (average)                               | 12       |
| Free Electives (average)                                    | 10 or 12 |
| -   |          |
| Total   | 40       |

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

The award of Honors for work toward the Bachelor's degree is described on pages 123-124.

#### Limited Electives

To ensure breadth of distribution, every student is required to pass a certain number of courses, as indicated in each of four groups. This requirement must be satisfied before a student can be admitted to Senior standing. Exceptions may be made by agreement between the Major Supervisor and the Dean. The requirements are as follows:

- 1. FOREIGN LANGUAGES: One full-year course in a foreign language beyond the elementary grade. For the purpose of this requirement, all first year foreign language courses, with the exception of Greek 11, 12, are considered as of elementary grade.
- (N.B. A single full-year language course, if included among those listed under the Humanities requirements below, will satisfy requirements in both Group 1 and Group 2.)
- 2. HUMANITIES: The requirement may be met by passing four semester courses as follows:
  - (a) Two semester courses from the following: Biblical Literature 12, 13, 23.Humanities 21-22, 32.Philosophy 11, 12, 21-22, 28, 32, 36.
  - (b) Two semester courses from the following:
    Biblical Literature 11, 22.
    English 22, 23, 24, 25, 26, 29, 31, 32, 34, 35, 36, 40, 41-42.
    French 12, 13-14, 23-24, 25-26.
    German 15-16, 21-22, 31, 32, 33, 34, 36, 37, 38.
    Greek 11, 12, 21, 22, 29.
    History of Art 21-22; Bryn Mawr 201, 203, 204, 301, 302.
    Latin 13-14, 15, 16, 23, 24.
    Music 11-12, 21-22.
    Philosophy 23 or 29; 24, 25, 26.
    Russian 201, 203 (Bryn Mawr).
    Spanish 21-22, 31-32.
- 3. NATURAL SCIENCES AND MATHEMATICS: The requirement may be met by passing four semester courses, two each from two of the following groups:
  - (a) Biology 11, 12, 13, 14, 21-22; Psychology 33, 34, 36.
  - (b) Physical Science 11, 12; Chemistry 12, 13, 14; Physics 13-14.
  - (c) Astronomy 11, 12; Geology 101a, 101b\*; Mathematics 11, 12 (or 14), or 21, 22.
- \* Geology is offered at Bryn Mawr College. In order for a student to tale courses at Bryn Mawr, he must meet the requirements as stated on page 43 of this catalog.

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

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

#### Free Electives

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

#### Non-Academic Electives

Three terms of Physical Education or of courses in the Arts and Service Program are required of each Freshman, Sophomore, and Junior, as described on pages 84 and 102. These courses must be passed in addition to the 40 semester courses of academic work required for a degree.

### Major Concentration

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

Definite requirements are stated under the name of each department on pages 49-102. During the fourth semester of his attendance each student should confer with the Major Supervisor of the department in which he wishes to major, and apply to him for written approval of a program of courses for the last four semesters. Such a program must provide for the completion, by the end of the Senior year, of approximately twelve semester courses, or the equivalent, at least six of which must be in the Major Department and the others in closely related fields. Should the student's application be rejected by the department of his first choice, he must immediately apply in another. Failure to file with the Dean, before the date specified on the College Calendar, a copy of his Major Program signed by his Major Supervisor, will entail a fine of \$5. Any student who continues delinquent in this matter will be debarred from the final examinations in his fourth semester. Should the student's application be rejected by all the departments to which he applies, he will not be promoted.

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

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

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

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

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

Each Senior must take a special Major comprehensive examination (written, oral, or both) during the period scheduled for such examinations. The purpose of this examination is to promote the student's comprehension, integration and application of the knowledge acquired in the field of his major concentration, and to secure evidence of this achievement. The passing grade for this examination is 70. In case of failure, a candidate may, with the permission of his Major Supervisor, present himself for re-examination at a date (to be determined by the Major Supervisor) later than Commencement Day of the current year.

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

As special background for the comprehensive examination a senior shall engage in a period of study, technically called course 100, in his department of concentration during the semester preceding that examination. This period of study shall be counted as one of the five courses normally carried by the

<sup>\* &</sup>quot;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."

student during his final semester. Evaluation of the work in course 100 may be included in the grade earned by the student in his comprehensive examination.

In case of failure in the comprehensive examination a student does not necessarily repeat the term work of course 100, but follows the application procedure for re-examination as indicated on the preceding page. A student may not take more than two re-examinations in the field of his major concentration.

Students taking Majors under the supervision of Bryn Mawr College will note that their course 100 may extend over more than one semester; if this is the case, credit for two courses at Haverford will be granted if the work in each semester of this course is satisfactory.

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.

A student who has demonstrated unusual maturity and who has special interests and abilities may be permitted to arrange an *interdepartmental major*. The program of courses, the nature of the 100 course, and the nature of the comprehensive examination for an interdepartmental major are to be worked out in advance (that is, when the major is selected) by the student, with permission of the Dean, in consultation with and subject to the approval of the chairmen of the departments concerned, one of whom will be designated as Major Supervisor for that student.

In rare cases, and only for high ranking students, a *double major* may be arranged, in which the student takes the complete major in each of two departments. In order to take a double major, a student must receive permission from the Dean as well as from the chairman of each of the departments concerned.

## Freshman Program

Each Freshman, on entering the College, is assigned to a Faculty member as Adviser. Normally, the student keeps the same Adviser until he chooses a Major near the end of the Sophomore year, when the Chairman of the Major Department becomes his Adviser. Assignment of Advisers for incoming students is made by the Dean, on the basis of the best evidence available to him. If a prospective student knows of a Faculty member whom he would like to have as Adviser, he is urged to inform the Dean of the preference before the opening of College. If, after being assigned an Adviser by the Dean, the student finds another Faculty member whom he would prefer to have as Adviser, he is urged to inform the Dean of this preference, so that, if possible, the change can be made.

Although the Faculty Adviser is instruced to advise each Freshman on 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 Social Science and one foreign language. In addition, two courses chosen from Mathematics, the Natural Sciences, History, Biblical Literature, and Philosophy make a reasonable Freshman program.

The courses open to Freshmen are numbered 11 to 20 in the section on Courses of Instruction. If he is qualified, a Freshman may be permitted by the department concerned and by the Dean to take more advanced courses.

A series of standard tests is administered to all entrants within the first few days of the first semester. These tests are helpful in guidance and counseling. One function of the tests is to determine which Freshmen should be recommended to take the voluntary course in Remedial Reading, which is offered each term, for no credit, to students who feel the need of establishing reading habits that will improve their comprehension and increase their speed in reading.

## Preparation for Professions

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

A student who intends to go to a professional school is free to choose his major in accord with his principal abilities and interests, since professional schools, such as those of business administration, law, medicine, or theology, usually accept students on the basis of merit regardless of their choice of major and, except in the case of medical schools, without specific course requirements. The requirements of most state boards of medical licensure are such that all students who hope to be admitted to a medical school must take Biology 12 and one additional semester course (which must include laboratory work) in biology, Chemistry 13, 14, 25, and 26, and Physics 13-14.

Students who plan to go to professional schools should seek advice as early as possible from appropriate Faculty members as follows: business administration, Mr. Teaf; law, Mr. Somers; medicine, Mr. W. Cadbury; theology, Mr. Flight or Mr. Steere.

If a student plans to do graduate work in a departmental subject, such as engineering, mathematics, history, etc., he should consult as early as possible with the chairman of the department at Haverford which most nearly corresponds to the department in which he plans to work in graduate school. This adviser will be able to guide him in his selection of courses, his choice of Major (which will not necessarily be in the department of his intended graduate study), and other questions which may have bearing on his future.

Law schools, medical schools, and some graduate schools require applicants to take special admission tests. Arrangements for taking these tests are the responsibility of the student concerned; he can obtain information about them from the Faculty members mentioned above.

### 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. Sophomore 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. A fee of \$40 per semester is charged for every additional course.

#### Audited Courses

A student who wishes to audit a course should obtain the permission of the instructor. No charge is made for auditing.

# Course Changes

Courses may be changed during the first week of each new semester. During that time students are free to make changes after consultation with their Advisers and the Dean.

Changes will not be permitted later except in cases where the student is known to be an excellent student and where he receives the consent of the professor to whose course he is changing and of his Adviser and of the Dean.

# Special Cases

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

#### Grading of Students

In determining the standing of the student, class participation, papers, hour examinations, and final examinations are all considered. Reports with grades and averages are issued at the end of each semester. The minimum passing grade is 60 for each course (except course 100, see p. 38). If a student's work in a course is passing, a numerical grade is reported; if less than passing the grade is reported at the discretion of the instructor as E or F. In computing averages, a grade of E is averaged as 55, and a grade of F as 45.

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 semester grade of E or F must repeat the course if it is required for graduation. If it is not required, he may repeat it or substitute another. The grade received for a repeated course is recorded and averaged in the year it is taken. No course may be repeated more than once; failure to pass a repeated required course will prevent a student from obtaining his degree.

In courses where the work of the second semester depends heavily on that of the first, a student who has failed the first semester, and has been permitted to continue in the second semester, will be given credit for the first semester if he obtains a grade of 70 or better for the second semester. A list of such courses is kept by the Registrar.

In exceptional circumstances, such as illness, a student who receives a semester grade of E or F and who petitions the Dean, may be permitted by the Dean to take a special examination. A request for such an examination must be submitted to the Dean not later than two weeks after the grades have been released by the Registrar's office. If the request is granted, and the student takes a special examination, the grade in that examination will replace the grade originally earned in the mid-year or final examination in computing the final grade for that course; the new course grade will be entered on the student's transcript and the semester average will be revised accordingly.

When a student drops a course, it will be recorded as "dropped" and averaged as 45, or in unusual cases, with the permission of the instructor

in the course and the Dean, it may be recorded as "dropped without grade" and not included when the average is computed.

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 summer school, 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.

A student is usually dropped if he fails in several courses simultaneously or is three half-courses behind at the opening of College in September. The Committee on Academic Standing is allowed some latitude in dealing with students who are deficient in course credits, provided they have worked conscientiously to make up their deficiences.

It is important that deficiences be made up as promptly as possible, either by taking an extra course or by doing work in a summer school or both. But there are two regulations governing such make-up courses: (1) A student normally may take an extra (sixth) course at Haverford only when his general average for the preceding semester has been 80 or more. (2) Credit for one or more courses passed in a summer school is allowed by Haverford College only if all arrangements for such work have been submitted in advance to the Dean of the College and approved by him.

A special result of the foregoing regulations is that a student who is behind in course credits at the beginning of his Senior year will usually be unable to graduate with his class.

## 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 without additional expense.

Students desiring to take advantage of this arrangement must obtain the permission of the Dean. This permission will not be granted to a student whose general average for the preceding semester has been less than 80. Exceptions may be made in case the course at the other institution is necessary for the student's Major. 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 at Haverford.

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

#### Visitors and Lectures

In recent years, the College has arranged for individual departments of the Faculty to invite visitors to Haverford for varying periods of time to meet with members of the department and with students interested in that field. These departmental visitors, who sometimes give public lectures, have contributed considerably to the vitality of the work in the various departments.

This program has been greatly strengthened as a result of a generous bequest from the late William P. Philips. A substantial sum from this bequest is used to bring to Haverford "distinguished scientists and statesmen," whose visits may last anywhere from a few hours to a full academic year. On page 13 of this catalog is a list of the visitors brought to the campus under this bequest during the academic year 1954-55.

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

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

# 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.

Applications, together with transcripts, should reach the Director of Admissions not later than May 1.

Charges.—For charges and fees see pp. 27-28.

#### Requirements

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

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

<sup>\*</sup> In a full-year course, the course grade is the average of the two semester grades; in other cases each semester's work is a separate course, for the purpose of this requirement.

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 the required work must be completed 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.

For a description of the special Graduate Curriculum in Social and Technical Assistance, see pp. 105-108.

# COURSES OF INSTRUCTION

# Course Numbering

THE NUMBERING SYSTEM used in this catalog involves a twodigit number for each semester course. Courses numbered from 11 through 20, primarily Freshmen courses, are open to all students; courses numbered from 21 through 30 are open to Sophomores, Juniors, and Seniors; courses numbered from 31 though 60 are open to Juniors and Seniors; courses numbered from 61 through 80 are open only to Seniors; courses numbered from 81 through 89 are project courses open to Seniors and often also to Juniors; courses numbered from 91 to 99 are open only to graduate students; 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; a student who passes the first semester of such a course must normally take the second semester. When two course numbers followed by a single description are separated by a comma, the first semester may be taken without the second, though the two are normally taken together as a year course.

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

## Astronomy

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

### Major Requirements

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

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

Three written comprehensive examinations of three hours each.

11, 12. DESCRIPTIVE ASTRONOMY—Four hours, Three class periods and one laboratory period a week. Mr. Wood.

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.

Offered annually.

21, 22. READING COURSE IN STELLAR ASTRONOMY-Mr. Green.

Systematic reading in stellar astronomy from an established list of recent books and research articles. Astronomy 21 may be taken in either semester. Prerequisite: Astronomy 11, 12.

Not offered in 1955-56.

31. ASTROPHYSICS-Three class periods a week, Mr. Green.

An introduction to spectroscopy, quantum mechanics, and statistical mechanics leads to the study of ionic and molecular equilibria in the atmosphere of the stars, in the diffuse nebulae, and in interstellar space. Prerequisite: Physics 13-14 and Mathematics 15-16; Junior or Senior standing. Semester course. Not offered in 1955-56.

32. ASTROPHYSICS-Three class periods a week. Mr. Green.

The transfer of radiation in stellar atmosphere, the internal constitution of the stars, and the sources of stellar energy. Perequisite: Physics 13-14 and Mathematics 15-16; Junior or Senior standing. Semester course. Not offered in 1955-56.

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

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

Not offered in 1955-56.

## 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. 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. Conference courses offer opportunity for intensive work by individual students on problems of archaeological, historical, 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.

## Major Requirements

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

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

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

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

11. INTRODUCTION TO THE BIBLE—Three periods a week. Mr. Flight.

Literary history of the Biblical books; problems of origins, growths, interpretation, literary and religious values. Semester course.

Offered annually.

 DEVELOPMENT OF CHRISTIAN THOUGHT—Three periods a week. Mr. Flight.

Exploration of selected problems and principles of Christian living, with refer-

ence to their backgrounds and their meaning and application to contemporary life. Prerequisite: *Biblical Literature 11, 13,* or 23. Semester course. Offered annually.

13. THE RISE OF CHRISTIANITY—Three periods a week. Mr. Flight.

A study of the background, early development, and spread of the Christian movement, up to the third century, as reflected in the New Testament, particularly in the book of Acts and the letters of Paul, and in the writings of the Church Fathers. Semester course.

To be offered in 1955-56 and alternate years.

22. THE ENGLISH BIBLE-Three periods a week. Mr. Flight.

(Also called English 22.)

History and literary art of the English Bible, particularly the King James version, and its influence on English and other literature. Not open to Freshmen. Semester course.

To be offered in 1955-56 and alternate years.

23. COMPARATIVE RELIGION—Three periods a week. Mr. Flight.

A comparative study of the great living religions, their founders, their scriptures, their characteristic ideas and ideals. Not open to Freshmen. Semester course. Offered in 1954-55 and alternate years.

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

(Also called History 28.)

The beginnings of Western civilization in the cultures of the Near East; archaeological and historical. Not open to Freshmen. Semester course.

Offered in 1956-57 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. Prerequisite: A grade of 85 or more in one course in the Depatment. 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 maye be termed biological correction; (b) positions in wild life and fish and game services, forestry, agriculture, animal husbandy—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.

Four basic courses are offered, Biology 11, 12, 13, 14. All four are required of all Majors in Biology. No one of them is a prerequisite to any other, and they may be elected in any order. One of them (Biol. 11) has a Chemistry prerequisite, the others have none. One of them (Biol. 13) does not have laboratory work, but requires reading assignments and papers. The other three have laboratory work. Any two of these courses will serve to comply with the requirement in Limited Electives. Premedical students are advised to take courses 11 and 12.

### Major Requirements

The minimum Major requirements consist of Biology 11, 12, 13, 14 and 31-32 plus three other semester-courses in Biology. Any work in Biology 81, 82 is to be in addition 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. THE PHYSICAL BASIS OF LIFE—Four hours. Three class periods and one laboratory period a week. Mr. Loewy.

An introductory course in the area of biology conventionally denoted as Physiology, Biochemistry, and Biophysics.

The course will attempt to give insight into the methods and subject matter of the physical-chemical approach to the study of living systems. Major emphasis will be laid on cells rather than on correlative mechanisms between cells, and those aspects will be stressed which are common to all cells.

Prerequisite: An elementary course in Chemistry.

Semester course. Offered annually.

12. ANIMAL KINGDOM—Four hours. Three class periods and one laboratory period a week. Mr. Conner.

The objective is a knowledge of the nature and the diversity of the animal kingdom. Semester course.

Offered annually.

#### 13. ORGANISMS IN THE WORLD. Three periods a week. Mr. Dunn.

An introductory course in the areas of biology conventionally denoted as Ecology, Genetics, and Evolution.

The course will attempt to give insight into the problems of the maintenance of the individual organism in relation to the various environments and in relation to the other organisms occurring therein (Ecology); into the problems of self-perpetuation of kinds of organisms by reproduction (Genetics); into the problems of descent with modification and entrance into changed relations with environments and with organisms (Evolution). Semester course.

Offered annually.

# 14. PLANT KINGDOM. Three hours. Two class periods and one laboratory a week. Mr. Loewy.

The objective is a knowledge of the nature and the diversity of the plant kingdom. Semester course.

Offered annually.

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

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

# 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 heredity. Prerequisite: Junior standing. Year course.

#### 35. READING COURSE IN BIOCHEMISTRY—Three hours. Mr. Loewy.

A reading course dealing with enzymes, biological oxidation, and intermediary metabolism. Open only by permission of instructor.

Prerequisite: Biology 11 and Chemistry 25, 26. Either semester.

Offered annually.

#### 41. CELLULAR PHYSIOLOGY—Three class periods. Mr. Loewy.

Presenting the physical-chemical approach to integrated cellular functions. It will deal with three areas: the physical and chemical nature of the protein complex; the submicroscope morphology of the cell; and the nature of the integrated cellular functions.

Prerequisite: Biology 11, Chemisty 28. Semester course.

Offered annually.

42. UNIT OPERATIONS OF PHYSIOLOGY AND BIOCHEMISTRY—Three hours.

One class period and two laboratories. Mr. Loewy.

This course will stress general or "unit" operations rather than specific tests or procedures. Fundamental analytical methods and their application to tissue fractionation and the study of proteins. Open only by permission of instructor.

Prerequisite: Biology 41. Semester course.

Offered annually.

61-62. FUNDAMENTALS OF SYSTEMATICS-Three hours.

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

81, 82. PROJECT COURSES-Three hours. Mr. Dunn and Mr. Loewy.

Open only by permission of the instructor.

Offered annually.

# Chemistry

THE COURSES in chemistry, when taken in proper sequence, afford a developing knowledge of chemistry as a rational science. Fundamental principles are stressed but sufficient experimental and other factual material is introduced to render these principles clear and to illustrate their applicability. Emphasis is placed upon precision of observation, measurement, and statement, and upon the application of the inductive-deductive method of scientific development, with the aim of making the study of chemistry of general educational value.

A Major in chemistry who intends to undertake graduate study in Chemistry should include in his program courses 24, 31, 32, 63, 64 and 65, together with German 13-14, Mathematics 21, 22, and Physics 13-14. This is in accord with the level of accomplishment recommended by the American Chemical Society. Course 81 or 82, giving some insight into the aims and methods of original research, is also desirable. For the courses in chemistry needed for premedical preparation, see page 40.

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

# Major Requirements

Chemistry 13, 14, 23, 25, 26, 28, two additional advanced courses, and 100. Physics 13-14.

The comprehensive examination will cover the general field of the chemistry courses listed above.

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

Candidates for Final Honors in Chemistry will pursue, during the Junior and Senior years, a course of reading and conference in which histoy of chemistry, philosophy of science, and recent advances in chemistry are emphasized. The Honors program should be arranged with the Major Supervisor early in the Junior year.

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

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

Offered annually.

13, 14. INORGANIC CHEMISTRY—Four hours. Three class periods and one laboratory period a week. Mr. Meldrum, Mr. Jones, Mr. Rush and Mr. Culbert.

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

Offered annually.

 QUANTITATIVE ANALYSIS—Four bours. Two class periods and two laboratory periods a week. Mr. Meldrum.

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

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

Lectures and conferences dealing with general methods for the quantative 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.

 ORGANIC CHEMISTRY—Four hours. Three class periods and one laboratory period a week. Mr. Jones, first semester, and Mr. Meldrum, second semester.

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

Offered annually.

28. ELEMENTARY PHYSICAL CHEMISTRY—Three class periods a week. Mr. Cadbury.

The first course in a three-course sequence in physical chemistry. The topics covered, which are treated from the kinetic point of view and without the requirement of the calculus, include: Gases, liquids, solutions, transference numbers and electrolytic conductance, acid-base equilibria, adsorption and colloids. Prerequisite: Chemistry 23. Semester course.

31, 32. PHYSICAL CHEMISTRY—Four hours. Three class periods and one laboratory period a week. Mr. Cadbury, first semester, and Mr. Rush, second semester.

A study of the general properties of matter, with application of the calculus and thermodynamics. The topics covered include: The First and Second Laws of thermodynamics and some of their consequences; heterogeneous equilibrium; homogeneous equilibrium, with a brief treatment of the Third Law, electromotive force and pH determination; ionic equilibria; introduction to statistical mechanics; reaction kinetics; photochemistry; catalysis. The laboratory work involves illustrative physico-chemical measurements. Prerequisite: Chemistry 28, Mathematics 21, 22, and Physics 13-14. Junior standing. Semester courses.

Offered annually.

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

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

Offered annually.

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

A study of the principles involved in qualitative organic analysis and the application of electronic theories to selected chemical systems. The laboratory work involves the identification of organic substances by classification reactions and by the preparation of derivatives. Prerequisite: *Chemistry 26*: Senior standing or consent of the instructor. Semester course.

Offered annually.

64. ORGANIC SYNTHESIS—Four hours. Two class periods and two laboratory periods a week. Mr. Jones.

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

Offered annually.

65. QUANTITATIVE ANALYTICAL METHODS—Four hours. Two class periods and two laboratory periods a week. Mr. Rush.

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. Jones and Staff.

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

Offered annually.

83 and 84. SPECIAL TOPICS IN THEORETICAL CHEMISTRY—Three conferences a week. Mr. Jones and Staff.

Open only to Seniors and to Graduate students in chemistry. May be taken in either semester; may be repeated for credit with change of content. Semester courses.

Offered annually.

## **Economics**

THE WORK in Economics is intended primarily to develop in 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 lay the basis for the formation of intelligent judgments in the field of economic policy. The introductory courses are designed to give the basic understanding of economic processes and of economic organization that should be part of a liberal education. The advanced courses also are offered as part of a program of liberal education, but are designed to meet, at the same time, the needs of men going on to graduate work in economics or business administration or directly into business. Several of the advanced courses should be of special value to men planning to enter the foreign service, other government work, journalism, or law. In the advanced courses

emphasis is placed on the use of source materials and on research methods in economics, and students gain experience in the preparation of analyses and reports.

In Economics 71, 72 and 74 there is wide latitude with respect both to subject matter and to course method. The specific subjects in each will vary from year to year, depending on the interests and capacities of the students.

Men expecting to major in Economics are advised to take Social Science 11-12 in the Freshman year. It will also be helpful to take Mathematics 11 and 14.

### Major Requirements

Economics 21, 22, 31, 37, 52, 100; one of the three courses: 71, 72, 74; and two other semester courses in Economics. Mathematics 14 (Introduction to Statistics) may be considered as one such semester course. Economics 100 consists of a reintegration of the study of economics with related social sciences, through selected readings on the development of economic thought and on current problems, with informal discussion of the issues raised.

Social Science 11-12 and two other approved semester courses in the social sciences, mathematics, or psychology.

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

#### ECONOMIC GROWTH AND WELFARE IN A FREE SOCIETY—Three periods a week. Mr. Teaf and Mr. Baratz.

A study of the main features of modern economic life in the United States, including the resource base and technological setting, the institutions, organization, and functioning of capitalism, and alternative economic systems. The course is aimed at providing students with an understanding of such current economic problems as inflation, unemployment, the banking system and the public debt, and the scope and nature of government action in the economic sphere. Prerequisite: Social Science 11-12. Semester course.

Offered annually.

### THE PRICE SYSTEM IN OPERATION—Three periods a week. Mr. Teaf, Mr. Bell, and Mr. Baratz.

A study of the manner and extent to which the basic economic questions of what is to be produced, how it is to be produced, and for whom it is to be produced are solved by the pricing system. Special emphasis is placed on current operation of the price system in agriculture, industry, public utilities, and international trade; on control of prices through monopoly or government action; and on how these basic economic problems are solved under economic systems different from that of the United States. Prerequisite: Social Science 11-12 and Economics 21 or permission of the instructor. Semester course.

Offered annually.

Economics 21 and 22 are designated as a year course; together they present the basic elements for an understanding of current economic problems. Students who are planning further work in economics or other social sciences are encouraged to take both semesters.

MONEY, BANKING, AND ECONOMIC STABILITY—Three periods a week.
 Mr. Bell.

A study of the theoretical framework necessary for understanding economic instability and of the monetary means available in the United States for the promotion of a stable level of activity. The course is devided into five central parts: an analysis of the circular flow of payments and the determination of the level of income, with special reference to the role of money; money and banking processes and determinants of the money supply as a basis for policy; Federal Reserve and debt management policy; the meshing of national monetary systems; and monetary panaceas and monetary reform. Emphasis is placed on the application of theory to understanding past events and to forecasting the future.

Prerequisite: *Economics 21*. Semester course. Offered annually.

- 32. CONSERVATION OF NATURAL RESOURCES—Mr. White. (See *Geography 32*.)
- 33. POPULATION POLICIES AND PROBLEMS--Mr. Reid. (See Sociology 33.)
- 34. SOCIAL INSURANCE AND PUBLIC WELFARE—Mr. Somers. (See Political Science 34.)
- 36a. LABOR ECONOMICS AND LABOR RELATIONS—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*. Semester course.

Offered annually.

37b. ACCOUNTING—Three periods a week. Mr. Bell.

A study of the fundamentals of accounting and their application to current economic problems and issues of public policy. The course is divided into four parts: elementary theory and the methods of accumulating and reporting accounting data; problems of accounting measurement in a dynamic economy when prices are changing; the uses of accounting data in managerial decision-making; and the uses of accounting data by those outside the firm, including an introduction to national income, input-output, and money flows accounting. Prerequisities: *Economics 21* and *Economics 22* or permission of the instructor. Semester course.

Offered annually.

#### 38. THE CORPORATION—Three periods a week. Mr. Hunter.

An analysis of the economic and legal organization of modern corporations; their relation to security holders and securities markets; statutory regulation of their financial activities; economic aspects of internal decision-making problems; and evaluation of their impact on modern society. Prerequiste: *Economics* 37. Semester course.

To be offered in 1956-57 and alternate years.

# 39. GOVERNMENT AND BUSINESS—Three periods a week. Mr. Baratz. (Also called Political Science 39.)

An analysis of industrial market organization and government regulation of market practices. The history of anti-trust policy is reviewed and selected recent cases are discussed. Other topics include trade associations, cartels, basing-point pricing, and governmental price control. Opposing views on proper public policy are discussed and evaluated. Prerequisite: *Economics 22*. Semester course. Offered annually.

### 41-42. THE SOVIET SYSTEM—Three periods a week. Mr. Hunter.

(Also called Political Science 41-42.)

An analysis of the structure and functioning of major Soviet economic, political, and social institutions. Current arrangements are studied as products of historical development; attention is given to trends and prospects. The topics examined include: the background of the 1917 Revolutions, the rise of Stalin and evolution of total government; forced industrialization and collectivization of agriculture; the development of Soviet social organization; factors explaining Soviet survival in World War II; the main features of postwar recovery and expansion; an inventory of Soviet strengths and weaknesses. Prerequisite: One year of Economics, Political Science or Sociology. Year course.

Offered annually, after 1955-1956.

# 52. GOVERNMENT FINANCE—Three periods a week. Mr. Baratz. (Also called Political Science 52.)

An analysis of major issues in the field of government revenues and expenditures. Topics considered include standards for government expenditures, principles of equity in taxation, use of the budget to stabilize economic activity, political and economic problems in the implementation of public policy. Prerequisites: *Economics* 21, 22. Semester course.

Offered annually.

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

(See Political Science 53-54.)

# 71. PROBLEMS OF DOMESTIC STABILITY AND GROWTH—Three hours a week. Mr. Bell.

Advanced study of selected issues in domestic economic policy relating to forecasting and to fiscal and monetary measures for balancing the needs of growth, stability, flexibility, security, and freedom. Ordinarily this course will be held as a seminar, but, with the permission of the instructor, it may take the form of a reading course or a project course, for individual students or for the entire class. Prerequisites: *Economics 31* and 52. Semester course.

Offered annually.

72a. PROBLEMS OF THE INTERNATIONAL ECONOMY—Three hours a week.

Mr. Bell.

Advanced study of current problems in international economic relations, such as trade and commercial policy, financial organization and the foreign exchanges, and international investment and economic development. Ordinarily this course will be held as a seminar, but, with the permission of the instructor, it may take the form of a reading course or a project course, for individual students or for the whole class. In 1955-56 the course will be a seminar on the economic growth of underdeveloped countries. Prerequisites: *Economics* 53-54, or permission of the instructor. Semester course.

Offered annually.

 PROBLEMS OF BUSINESS ORGANIZATION—One three-hour period a week. Mr. Teaf.

Advanced study of the organization of modern complex societies for industrial production and commerce. Problems involving relationships within firms and among firms; issues raised by activities of labor organizations and of government. Students will have an opportunity to concentrate on one or more aspects of a very broad field, according to their interests. Ordinarily this course will be held as a seminar, but, with the permission of the instructor, it may take the form of a reading course or a project course for individual students or for the entire class. Prerequisite: *Economics* 38 or 39. Semester course.

Offered annually.

# Engineering

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

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

substantial credit toward advanced standing in technical institutions or are admitted to their graduate schools.

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

### Major Requirements

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

Courses in Mathematics, Physics and Chemistry will be considered preliminary courses as defined on page 38.

11. PRINCIPLES OF ENGINEERING DRAWING AND SHOP METHODS—
Three laboratory periods a week, Mr. Holmes and Mr. Wilson.

Two laboratory periods a week are devoted to instruction and practice in the methods and conventions of making engineering drawings and sketches. One period weekly is spent in the machine shop working principally on screw-cutting lathes. Two inspection trips. Text: Giesecke, Mitchell & Spencer, Technical Drawing, and Technical Drawing Problems. Semester course. Offered annually.

12. ENGINEERING DRAWING, SURVEYING, AND SHOP METHODS—Three laboratory periods a week. Mr. Hetzel and Mr. Wilson.

Additional work on detail and assembly drawings; study of uniform and logarithmic graphs; solution of typical engineering problems and orientation discussion of the various branches of engineering. Occasional meeting with visiting engineers. Exercises in plane surveying during the last eight weeks in the spring. Machine-tool work on lathe, shaper and milling machine, one period weekly. Inspection trips. Text: Taylor, *Elementary Surveying*. Prerequisite: *Engineering 11*. Semester course.

Offered annually.

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

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

Offered annually.

22. ANALYTICAL MECHANICS—Three class periods a week. Mr. Holmes. A study of forces and moments of forces; determination of forces in trusses and cranes; centroids and center of gravity; rectilinear and curvilinear motion; translation and rotation of bodies; work, power, and energy; impulse and momentum; balancing and moments of inertia. Text: Higdon and Stiles, Engineering Mechanics. Prerequisite or parallel course: Mathematics 21, 22. Semester course. Offered annually.

31. MECHANICS OF MATERIALS—Two class periods and one laboratory period a

A study of stress and strain, beams and columns, shafting, girders, combined stresses, etc. Inspection trips. Text: Singer, Strength of Materials. Prerequisite: Mathematics 21, 22 and Engineering 22. Semester course.

Offered annually.

32. THERMODYNAMICS—Three class periods a week. Mr. Holmes.

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

Offered annually.

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

Electrical and magnetic circuits, electrical measurements, theory and performance of direct-current machinery and distribution systems are studied by text assignments and problems, lecture and class discussion, and laboratory experiments. Prerequisite: Physics 13-14, Mathematics 21, 22. Semester course.

Offered annually.

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

This course deals with alternating-current circuits and machinery: single phase and polyphase circuits, transformers, generators, motors, transmission and distribution systems, instruments, control systems, and an introduction to electronics. Prerequisite: Engineering 33. Semester course.

Offered annually.

63, 64. ELECTRONICS—(See Physics 63, 64.)

#### 81, 82. SPECIAL PROJECTS

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

The following fields of study are suggested:

FLUID MECHANICS. Mr. Holmes.

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

DESIGN OF MACHINE ELEMENTS. Mr. Holmes.

Prerequisites: Mathematics 21, 22, Engineering 22, 31.

INTERNAL COMBUSTION ENGINES. Mr. Hetzel.

Prerequisite: Physics 13-14.

Offered annually.

# English

THE ENGLISH DEPARTMENT offers the opportunity to study significant formulations of the human spirit in the English language and to give oral and written expression with respect to these works of literature. It furthermore provides opportunity for and instruction in written communication of ideas and information, and the creation of fiction.

Many students who choose to major in English intend to pursue some aspect of the subject professionally: to proceed to graduate school, to teach literature, or to undertake a literary career. The program of the Department provides preliminary education for all these purposes. The study of English literature is recommended likewise to those students who wish to acquire a knowledge of their literary heritage, or to gain an acquaintance with the use of the English language, before entering a non-literary profession, such as law, government service, the ministry, medicine, or business. The Department welcomes such students.

English 11-12 is required of all Freshmen in the college; this course, or its equivalent, is a prerequisite to all further work in the Department. English 11-12 provides tutorial instruction in writing and an introduction to the study of literature.

Intermediate courses, numbered in the 20's, 30's and 40's, are open to all students in the college who have met the prerequisites. The Department offers courses in periods of literature, in a single author, and in selected works. These intermediate courses are graded in difficulty from the 20's through the 40's. A sequence of courses is arranged for English majors, with concentration on the literature of the Sixteenth and the Nineteenth centuries.

Courses numbered in the 60's and 80's are presented primarily for Senior English majors.

The attention of slow readers is called to the remedial work in reading.

# Major Requirements

Twelve semester courses, to be arranged in consultation with the Chairman of the Department.

The following courses are required for the Regular Major in English: 23, 31, 32, 34, 40, two 60 courses (or one 60 course and one 80 course), 100.

Students who wish to choose a Broad Major may substitute Humanities 21-22, or English 41-42, for English 34 and 40.

The remaining four semester courses are to be chosen either from the Department of English or closely related fields, upon consultation with and permission of the Chairman of the Department. The student is given the opportunity to fit this portion of his major program to his individual needs, subject to the discretion of the Department.

The attention of students who intend to undertake work for the Ph.D. in English is called to the requirement, set by many graduate schools, of proficiency in Latin, French and German.

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

A student who is interested in an interdepartmental major in History and Literature should see the description of that major on Page 73.

11-12. READING AND WRITING ON HUMAN VALUES—Three periods a week with an added period of Public Speaking for one semester. Messrs. Ashmead, Bluestone, Durling, Friedrich, Lester, Quinn, and Woodroofe.

Tutorial instruction in writing. Readings in the Humanities, centered on values in Western Civilization. Weekly writing, based on reading program. Two class meetings and one tutorial meeting weekly. One semester Public Speaking. Year course.

- 22. THE ENGLISH BIBLE—Mr. Flight. (See Biblical Literature 22.)
- 23. SHAKESPEARE-Three periods a week. Mr. Sargent.

Reading and study of twelve plays, with emphasis on features of general and popular interest. Prerequisite: Sophomore standing. Semester course.

Offered annually.

24. CONTEMPORARY DRAMA—Three periods a week. Mr. Snyder.

A study of the techniques and practice of the modern drama, as illustrated in the works of Ibsen and the best modern dramatists of England and America. Prerequisite: Sophomore standing. Semester course.

Offered annually.

AMERICAN LITERATURE TO THE CIVIL WAR—Three periods a week.
 Mr. Friedrich.

Prerequisite: Sophomore standing. Semester course.

Offered annually.

 AMERICAN LITERATURE FROM THE CIVIL WAR TO WORLD WAR I— Three periods a week. Mr. Friedrich.

Prerequisite: Sophomore standing. Semester course.

Offered annually.

 INTERMED! ATE COMPOSITION AND ORAL DISCUSSION—Three periods a week.

Practice in expository writing and in the techniques of public discussion. Limited to twelve students. Semester course. May be repeated for credit.

Not offered in 1955-56.

#### GREEK LITERATURE IN ENGLISH—Mr. Post. (See Greek 29.)

31. NINETEENTH-CENTURY POETRY-Three hours a week. Mr. Snyder.

A study of six poets: Coleridge, Wordsworth, Shelley, Byron, Keats, and Tennyson. Lectures and classroom discussions. Prerequisite: Junior standing. Semester course.

Offered annually.

32. NINETEENTH-CENTURY PROSE—Three periods a week. Mr. Lester.

Lectures, discussions, and reading. Prerequisite: Junior standing. Semester course. Offered annually.

 LITERATURE OF THE ENGLISH RENAISSANCE—Three periods a week. Mr. Sargent.

Poetry, prose and drama: chiefly devoted to Sidney, Spenser, Marlowe, Jonson, Bacon, Donne and Webster; excluding Shakespeare. Prerequisite: *English 23*. Semester course.

Offered annually.

35. EIGHTEENTH-CENTURY LITERATURE. Three periods a week. Mr. Ashmead.

Boswell's Life of Johnson, with emphasis on the newly discovered manuscripts; the origins and development of the novel; from classic to romantic in poetry and drama. Prerequisite: Junior standing. Semester course.

Offered in 1955-56.

37. CREATIVE WRITING-Three periods a week. Mr. Sargent.

Practice in writing imaginative literature. Chiefly confined to prose fiction. Regular assignments, class discussion, and personal conferences. Prerequisite: Junior standing. Semester course. May be repeated for credit.

Offered annually.

40. BRITISH AND AMERICAN LITERATURE OF THE TWENTIETH CENTURY—Three periods a week. Mr. Ashmead.

Fiction and verse by selected writers from Sherwood Anderson and E. M. Forster to Auden and Hemingway. Prerequisite: Two semester courses in English beyond the Freshman year. Semester course.

Offered annually.

41-42. GENERAL COURSE IN ENGLISH LITERATURE—Three periods a week. Mr. Durling.

A study of ten to twelve major works in the field of English and American literature for full understanding, as examples of significant experience and points of view. Prerequisite: Junior standing. (Humanities 21-22 is advised, though not required, as a prerequisite). Year course.

Offered in 1955-56.

# 61. SPECIAL TOPICS IN NINETEENTH-CENTURY LITERATURE—Three hours a week. Mr. Lester.

Studies in the development of nineteenth-century thought as expressed in English literature. Seminar reports and discussions; each student submits three critical essays. Prerequisite: English 32 and consent of the instructor. Seminar. Semester course. Limited to nine students. Priority to Senior English majors.

Offered annually.

#### 62. SPECIAL TOPICS IN POETRY—Three hours a week.

Browning's poems. Also treatises on poetic theory from Aristotle to Whitman. Prerequisite: English 31 and consent of the instructor. Seminar. Semester course. Limited to nine students. Priority to Senior English majors.

Not offered in 1955-56.

#### 63. TOPICS IN SHAKESPEARE—Three hours a week. Mr. Sargent.

Critical study of plays not read in *English 23*. Three reports and one piece of original investigation. Prerequisite: *English 23* and 34, and consent of the instructor. Seminar. Semester course. Limited to nine students. Priority to Senior English majors.

Offered annually.

#### 64. CHAUCER AND THE CHAUCERIANS. Three hours a week. Mr. Quinn.

A study of the Canterbury Tales, Troilus and Criseyde. Chaucer's prose, and the work of Henryson and Dunbar. Prerequisite: Senior standing and consent of the instructor. Seminar. Semester course. Limited to nine students.

Offered in 1955-56.

## 81. PROJECTS IN AMERICAN LITERATURE—Weekly conferences. Mr. Ashmead.

Chiefly devoted to American Literature of the Eighteenth and Nineteenth centuries. Students must draw up their projects in consultation with the instructor. Recommended for students who are candidates for Final Honors. Prerequisite: English 25 or 26. (This requirement may be met by taking one of these courses concurrently with 81.) Limited to nine students. Priority to Senior English majors.

# 82. PROJECTS IN TWENTIETH-CENTURY LITERATURE—Weekly conferences. Mr. Sargent.

Both British and American Literature of the Twentieth century. Students must draw up their projects in consultation with the instructor. Recommended for students who are candidates for Final Honors. Prerequisite: English 40. (This requirement may be met by taking English 40 concurrently with English 82.) Limited to nine students. Priority to Senior English majors.

#### 85. READING FOR HONORS-The Chairman of the Department.

A reading program, set by the Department, designed to stress the historical development and cultural relationships of English literature. Open only to candidates for Final Honors in English. May be taken in either semester of the Senior year.

Not offered in 1955-56.

## General Courses

HUMANITIES 21-22. INTERPRETATION OF LIFE IN WESTERN LITERATURE

—One two-hour period a week. Mr. Gutwirth, Mr. Shaw, and Mr. Woodroofe.

Study in their entirety of selected literary works which are great imaginative presentations of attitudes toward life. The course spans Western culture from Homer to the present, and the readings are drawn from all the major literatures of the West, in the best available translations. Stress is laid on student involvement in issues raised by these books; consequently, the class work is handled entirely by the discussion method. Prerequisite: English 11-12; Sophomore standing. Year course.

Offered annually.

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

This course is concerned with the nature and presuppositions of scientific method, the status of present-day physical science, and the relationship of science to the rest of our culture. In the first semester it tries to illuminate these subjects by a study of some aspects of the development of our knowledge of the planetary system, mechanics, the nature of light, and the theory of relativity. In the second semester attention is directed to fundamental chemistry, electricity, the rise of the quantum theory of matter, and nuclear structure.

Not offered in 1955-56.

SOCIAL SCIENCE 11-12. AMERICAN ISSUES IN MID-TWENTIETH CENTURY.

—Three periods a week. Messrs. Reid, Bell, Campbell, Gordon, Haviland, Heath, Reitzel, and Scott.

The purpose of this course is to acquaint the student with the appropriate techniques of the social sciences and to stimulate thinking about significant social issues. Major importance is attached to the analysis of specific evidence in the social sciences and its significance for an understanding of social behavior. The first semester is devoted to inquiry into the factors which shape human behavior and social institutions. This inquiry forms the basis for the development of informed judgments on contemporary social issues analyzed in the second semester. Year course. Social Science 11-12 is a prerequisite for all courses in Economics, Political Science, Psychology, and Sociology.

Offered annually.

# Geography

 CONSERVATION OF NATURAL RESOURCES—Three periods a week. Mr. White.

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

Offered annually.

### German

THE MAIN OBJECTIVE of German study is the acquisition of the language as a means of access to the civilization and the literature 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 undergraduate and postgraduate research, for which in many fields it is indispensable, and for an appreciation of German literature.

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

The collateral reading required in German 13-14 generally consists of works of literature but it may be done in the fields of philosophy or history or, at the discretion of the instructor, in the natural sciences.

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.

It is possible and in some cases highly desirable for a Major in German or a student otherwise interested in advanced work to take his Junior year abroad in a supervised Junior year program. Attention also is called to the opportunities offered by university summer schools in Germany, Austria and Switzerland, and to international seminars and work camps sponsored by the American Friends Service Committee and other organizations in these countries.

# Major Requirements

German 21-22, 23, 31, 33, 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, 800-1945; and 5. A special period, literary movement, or author.

11-12. ELEMENTARY GERMAN—Three periods a week. Mr. Pfund and Mr. Cary. Grammar, conversation, and the reading of simple texts. Year course.

Offered annually.

13-14. INTERMEDIATE GERMAN—Three periods a week. Mr. Pfund and Mr. Cary.

Texts of moderate difficulty but of value as literature or as contributions to the history of ideas are read both in class and as outside work. The ability to understand spoken German and to engage in simple conversation is stressed. One hour a week is devoted to grammar review and composition. Prerequisite: German 11-12 or the equivalent. Year course.

Offered annually.

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

The first semester is devoted to the reading and discussion of works of contemporary German literature. The second semester intoduces the student to the age of Goethe. One hour a week is devoted to composition and conversation based on various phases of German culture. 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 in 1955-56.

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

The acquisition of an idiomatic command of the language in writing and speaking is stressed. Works of contemporary writers such as Thomas Mann, Hesse, Kafka, Wiechert, and Bergengruen form the basis of discussion. Prerequisite: German 15-16 or the equivalent. Semester course.

Offered in 1956-57.

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 1955-56.

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

Prerequisite: German 15-16 or the equivalent.

Not offered in 1955-56.

33. 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. Discussion, written and oral reports. Prerequisite: German 15-16 or the equivalent. Semester course.

Offered in 1955-56 and alternate years.

34. 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. Not offered in 1955-56.

#### SEMINAR COURSES—Three hours a week:

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

#### 36. GERMAN LYRIC POETRY-Mr. Pfund.

Lyricists from Walther von der Vogelweide to contemporary poets are read and discussed with emphasis on Goethe, Hölderlin, the Romanticists, Mörike, George, Hofmannsthal, and Rilke.

Offered in 1955-56.

#### 37. FAUST-Mr. Pfund.

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

Not offered in 1955-56.

#### 38. 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.

Not offered in 1955-56.

#### 81 or 82. Three hours a week. Mr. Pfund and Mr. Cary.

Individual work in various fields of German culture, such as literary theory, Baroque literature, and contemporary literature. Prerequisite: Satisfactory completion of at least one course in the Department beyond *German 15-16*. May be repeated for credit with change of content. Semester course.

### Greek

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

## Major Requirements

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

Three additional courses to be arranged in conference with the Major Supervisor. If Greek 21, 22 is not taken in college, an additional half-course will be required. A comprehensive examination on Greek language and literature, Greek history, and Greek civilization.

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

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

#### 21, 22. INTERMEDIATE GREEK-Three periods a week. Mr. Post.

A rapid reading course in such authors as Homer, Euripides and Plato. Prerequisite: Greek 11, 12 or the equivalent. Semester courses.

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

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

Offered annually.

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

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

Offered annually.

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

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

Offered annually.

# History

THE COURSES IN HISTORY are designed to give some conception of the development of the civilizations which exist in Europe and in the United States today. Since history is the story of what men have done, it is related to every other field in the curriculum, but the limitation of time forces a selection of those aspects of human activity which can be treated in any course. An attempt is made to give a reasonably rounded view of those developments which are deemed most important in the period under consideration as a background for understanding other subjects in the fields of

the humanities and the social sciences. With a variation of emphasis in each course, caused in part by the nature of the growth of civilization in the period and in part by the amount and the kind of historical evidence which has survived, 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, and, although it is not a prerequisite for the election of any other course in the Department, it is required for those who major in History.

The study of history provides a background against which current problems of internal and external policies may be viewed to advantage. It also helps to develop critical standards for the evaluation of evidence which can often be applied in forming opinion with regard to the solution of such problems. Finally, it is useful as a foundation for professional studies not only in history but also in such subjects as public administration, journalism, and law.

### Major Requirements

#### HISTORY

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

Two full year courses or their equivalent in related departments.

Written examinations of three hours each in four fields.

#### HISTORY AND LITERATURE

The major in History and Literature allows qualified students to obtain a knowledge of the relation between History and Literature in two distinct periods or centuries.

A student should take six semester courses in English and American Literature, and six in English and American History above the elementary level. Of these courses, one in each department (History and English) should be a seminar or project course.

Students may enter this major program only by consent of the departmental chairmen and the Dean. History 11-12 is a prerequisite for this major.

### 11-12. INTRODUCTION TO WESTERN CIVILIZATION—Three periods a week. Mr. MacCaffrey.

A study of Western European civilization from the fall of Rome to the present. The course will be concerned with the development of major political, social, and economic institutions from feudalism to the modern state, with the history of Latin Christianity in its various forms, and with the major intellectual currents

in Western Europe history. Firsthand materials as well as secondary historical accounts will be the basis for conference discussion. 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. MacCaffrey.

A survey of European development from the fall of Rome to about 1500. Occasional lectures, extensive reading, papers and discussion, with a final examination. Admission by permission of instructor. Year course.

To be offered in 1955-56 and alternate years.

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

The main currents of European institutional and intellectual developments since about 1500. Class discussion with occasional lectures, frequent papers. Admission by permission of instructor. Year course.

Offered in 1956-57 and alternate years.

27. GREEK HISTORY-Three periods a week. Mr. H. Comfort.

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

To be offered in 1955-56 and alternate years.

- 28. ANCIENT HISTORY OF THE NEAR EAST—Three periods a week. Mr. Flight. (See Biblical Literature 28.)
- 29-30. ROMAN HISTORY—Three periods a week. Mr. H. Comfort. (See Latin 29-30.)
- 31-32. NATIONAL DEVELOPMENT OF THE UNITED STATES, 1865 TO THE PRESENT—Three periods a week. Mr. Drake.

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

Offered annually.

33-34. THE POLITICAL AND CONSTITUTIONAL HISTORY OF MEDIEVAL ENGLAND—Three periods a week. Mr. MacCaffrey.

A survey of British historical development from the coming of the Anglo-Saxons to the end of the Middle Ages. Although primarily political and constitutional,

the course will include consideration of major economic and social trends as well. Extensive reading both in sources and secondary works will form the basis for conference discussion. Open to Juniors and Seniors. Year course.

To be offered in 1956-57 and alternate years.

35-36. THE POLITICAL AND CONSTITUTIONAL HISTORY OF MODERN BRITAIN—Three periods a week. Mr. MacCaffrey.

A study of British history from the end of the Middle Ages to the present. Economic, social, and intellectual development will be included. The development of the British Empire since 1783 will also be included. Extensive reading with frequent papers and class discussion. Open to Juniors and Seniors. Year course.

To be offered in 1955-56 and alternate years.

41-42. READING COURSE IN AMERICAN HISTORY, 1492 TO THE PRESENT—Mr. Drake.

Systematic reading and an examination in American History. Not open to students who have had History 21-22 or History 31-32; open to Juniors and Seniors with the permission of the instructor. Year course.

Offered annually.

# 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.

21-22. INTRODUCTION TO THE HISTORY OF ART—Three periods a week. Mr. Enggass.

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.

#### Latin

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

Principal emphasis is laid upon meeting the Roman legacy through the medium of the Latin language; but for those whose knowledge of Latin is too limited for this purpose, Latin 29-30 offers an opportunity to do so from the historical approach.

### Major Requirements

Four full-year courses (except Latin 11-12), some of which may be taken at Bryn Mawr College; Latin 100. The Latin Department reserves the right to exclude Latin 13-14, in individual cases, from consideration as fulfilling a part of the Major requirements.

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

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

#### 11-12. ELEMENTARY LATIN—Three periods a week. Mr. H. Comfort.

A rapid introduction to basic Latin grammar and vocabulary, leading to the reading of Catullus or some other classic Latin author. Year course.

Offered annually upon sufficient demand.

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

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

Offered annually.

#### 23, 24. INDIVIDUAL TOPICS IN LATIN LITERATURE—Three periods a week. Mr. H. 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 annually, either semester.

29-30. ROMAN HISTORY—Three periods a week. Mr. H. Comfort. (Also called History 29-30.)

A survey of Hellenistic and Roman history, with readings among the Latin authors in translation, and occasional reports. No knowledge of the Latin language is required. Prerequisite: Sophomore standing. Year course.

To be offered in 1956-57 and in alternate years.

## **Mathematics**

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

Freshman Mathematics emphasizes mathematical ideas rather than techniques of computation. It is designed as a terminal course for the non-specialist who plans to take only one year of Mathematics as well as the beginning course prerequisite to further work in the Department.

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

The sequence in analysis and algebra, Mathematics 21, 22, 31, 32, 33, 34, 63, is especially suited to the needs of the physical sciences, while Mathematics 14 and 38 deal with those concepts of statistics and probability which are fundamental to the biological and social sciences.

# Major Requirements

Recommended collateral courses are Physics 13-14, 32, 61, 62; Astronomy 31, 32, or, for prospective actuaries, Economics 21-22, 37.

Prescribed parallel reading on the history and general principles of mathematics. Three written comprehensive examinations, each three hours in length. An oral examination will be required for Final Honors.

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

 11, 12. FRESHMAN MATHEMATICS—Three periods a week. Mr. Andree, Mr. James, and Mr. Wisner.

An introductory course designed to present the fundamental concepts of modern Mathematics and to give numerous applications of these concepts to practical problems in the natural and social sciences. Topics included are: logic and the nature of mathematical proof, the number system, functions and graphs, plane analytic geometry, and elementary calculus. Students will be placed in sections according to their mathematical background and interests. Year course.

Offered annually.

14. INTRODUCTION TO STATISTICS—Three periods a week. Mr. Wisner.

Tabular and graphic methods, frequency distributions, measures of central tendency, dispersion and correlation, tests of significance, index numbers and time series. Lectures and computing laboratory. Prerequisite: *Mathematics* 11. Semester course.

Offered annually.

21, 22. CALCULUS—Three periods a week. Mr. Andree and Mr. James.

Differential and integral calculus, with applications. Prerequisite: Mathematics 11, 12. Year course.

Offered annually.

31. DIFFERENTIAL EQUATIONS—Three periods a week. Mr. Andree.

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. James.

Advanced topics in calculus, including infinite series, special functions, 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. Wisner.

Advanced topics in the theory of equations; introduction to modern abstract algebra. Prerequisite: *Mathematics 21, 22.* Semester course.

To be offered in 1956-57 and alternate years.

34. VECTORS AND MATRICES—Three periods a week. Mr. Wisner.

The algebra of vectors, vector spaces, and matrices, with applications to mathematical physics. Prerequisite: *Mathematics 21, 22, 33*. Semester course.

To be offered in 1956-57 and alternate years.

35. GEOMETRY—Three periods a week. Mr. Wisner.

Elementary topology, n-dimensional vector spaces and linear transformations, non-Euclidean geometry. Prerequisite: *Mathematics 21, 22*. Semester course. Offered in 1955-56 and alternate years.

#### 38. MATHEMATICAL STATISTICS—Three periods a week. Mr. James.

Theoretical presentation of the mathematical background of elementary statistics and probability. Prerequisite: *Mathematics 21, 22, 14.* Semester course. Offered in 1955-56 and alternate years.

#### 40. GEOMETRY-Three periods a week. Mr. Wisner.

Affine, projective and Euclidean geometries and their postulational development. Prerequisite: *Mathematics 21, 22, 35.* Semester course. Offered in 1955-56 and alternate years.

61, 62. INTRODUCTION TO MATHEMATICAL PHYSICS—Mr. Sutton.

(See Physics 61, 62.)

### 63. INTRODUCTION TO ANALYSIS—Three periods a week. Mr. James.

Rigorous treatment of fundamental ideas in analysis; real and complex numbers, functions, limits, continuity, differentiation, and integration. Applications to Fourier Series and differential equations. Prerequisite: *Mathematics 31, 32*. Semester course.

Offered annually.

81 or 82. SPECIAL TOPICS—Three hours a week. Philips' visitors and members of the Department.

Project courses involving wide reading in the literature, and presentation of papers for group discussion. The content varies from year to year to suit the needs of advanced students. The course may be repeated for credit with change of content. Semester courses.

Offered annually.

## Music

THE COURSES offered in Music have as their objective (1) the stimulation of the creative energies of the student through musical composition, and (2) the development of an understanding of music through the study of history and important writings on musical subjects, as well as through the analysis of musical compositions from all periods. In furthering and strengthening the discipline of music the College has no intention of training musicians by conservatory methods. The intention is rather to form enlightened workers in the field of music. Experience has shown that students in the fields of composition and musicology can be effectively aided by the joint offerings of Haverford, Bryn Mawr, and the University of Pennsylvania. At Haverford the program seeks to stimulate free composition in the vocal

and instrumental forms with a view to public performance by professionals of successfully completed works.

The College does not grant academic credit for training in voice, or the playing of instruments.

### Major Requirements

Three full year courses in music and six semester courses or their equivalent from such related fields of the Humanities, History of Art, Languages and Science as may be approved by the Department.

The Major comprehensive examination will consist of:

- 1. An examination in the history of music.
- 2. The presentation by the candidate of a musical composition in one of the larger instrumental forms, or a vocal work. In cases where the candidate has not been sufficiently trained in musical composition, the examination may be confined to music history. In such cases the candidate's work is expected to be at a high musicological level.
- 3. A small composition to be completed during the examination period.

#### 11-12. ELEMENTARY MUSIC THEORY—Three periods a week. Mr. Reese.

This course deals with the general foundations of the musical language—scales, intervals, rhythm, formation of melodic patterns and their notation—and includes elementary chord formation (introduction to harmony). Ear training is an important adjunct throughout the course.

# 21-22. ADVANCED HARMONY AND COUNTERPOINT—Two class periods and one laboratory period a week. Mr. Swan.

No sharp line is drawn between harmony and counterpoint. Students will be free to select the method of harmonization, provided they can show a knowledge of both vertical and horizontal construction. Starting with exercises in two- and three-part writing the student will proceed to the composition of short pieces, scoring them for strings or voices. (A piano exposition is also permissible.) The work is done individually, the class periods being used for the discussion of common problems. Prerequisite: Music 11-12, or its equivalent.

# 31-32. SEMINAR IN ADVANCED MUSICAL COMPOSITION AND HISTORY —One three-hour period a week. Mr. Swan.

The seminar is intended for the demonstration of the work in composition of the advanced students and music majors. A detailed historical survey is made of the larger forms of composition, with especial emphasis on the history of the sonata. Each student is expected to choose one or two periods in music history in which he will do concentrated work.

# Philosophy

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

In the second place the courses in philosophy are designed to assist in integrating material presented in literature, history, the social and physical sciences, in art, and in religion in order to assist the student in drawing together what he has learned, and in approaching a more responsible, intentional, and intelligent world view with which to confront life.

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

# Major Requirements

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

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

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

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

An understanding of the nature and function of philosophy and 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 and Mr. Bennett.

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

Offered annually.

# 21-22. HISTORY OF PHILOSOPHY—Three periods a week. Mr. Foss and Mr. Bennett.

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

Offered annually.

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

A study which will include such books as Augustine, Confessions; Bernard of Clairvaux, On Consideration; Meister Eckhart, Sermons; Little Flowers of St. Francis of Assisi; Thomas à Kempis, Imitation of Christ; Theologica Germanica; Francis de Sales, Introduction to the Devout Life; Pascal, Thoughts; John Woolman, Journal; Soren Kierkegaard, Purity of Heart; Von Hügel, Letters; George Tyrell, Autobiography. Semester course.

Not offered in 1955-56.

# HISTORY AND PHILOSOPHY OF QUAKERISM—Three periods a week. Mr. H. J. Cadbury.

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

Offered in 1955-56.

#### 26. AESTHETICS—Three hours a week. Mr. Foss.

A study of the philosophical principles underlying the creative and appreciative aspects of art. Prerequisite: One semester-course in Philosophy. Semester course. Not offered in 1955-56.

#### 27. LOGIC-Three periods a week. Mr. Bennett.

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

Offered annually.

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

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

Offered in 1955-56.

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

Luther and German Protestantism; Thomas More and the Erasmus Tradition in England; Ignatius of Loyola and the Society of Jesus; Theresa of Avila and Spanish Mysticism; Lancelot Andrews and 17th Century Anglican Piety; Isaac Penington and the corporate mysticism of the Quakers; John Wesley and the Evangelical Revival; John Frederic Oberlin and the rural apostolate; John Henry Newman and the Oxford Movement; Albert Schweitzer as critic of contemporary civilization; William Temple and the ecumenical movement; Evelyn Underhill and "Life of the Spirit in the Life of Today"; Rufus M. Jones and the religious situation of our time. Lectures, reports, class discussions. Semester course.

Offered in 1955-56.

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

Offered in 1955-56.

33. PHILOSOPHY OF SCIENCE—Three periods a week. Mr. Benfey.

Designed mainly for science Majors. A study of the development of scientific thought, the nature of scientific knowledge and methods, and the mutual influence of science and society. Prerequisite: Two years of natural science, and *Philosophy 11 or 21-22 or 27*, or consent of the instructor. Semester course.

Not offered in 1955-56.

RECENT AND CONTEMPORARY PHILOSOPHY—Three periods a week.
 Mr. Bennett.

A study of some of the outstanding recent and contemporary philosophical movements in Europe and America, Prerequisite: *Philosophy 21-22*. Semester course, Offered in 1955-56.

63.64. PHILOSOPHICAL SEMINAR—Three hours a week. Mr. Steere and Mr. Foss. Specialized work in some restricted field of philosophic or religious thought is undertaken, the precise subject depending upon the needs of the students and the general interests of the group. Primarily designed for Seniors majoring in Philosophy and for Graduate students. Prerequisite: Philosophy 21-22; Majors unless by special arrangement. Limited to ten students. Year course. Offered annually.

65-66. THE DEVELOPMENT OF POLITICAL THOUGHT—Three hours a week.

Mr. Steere.

A seminar course based upon the writings of selected political philosophers

from Plato to the present day. Prerequisite: *Philosophy 11* or *21-22*; one semester of Political Science; otherwise by consent of the Department. Limited to sixteen students. Year course.

Not offered in 1955-56.

81, 82. PROJECT COURSES—Individual consultation; supervised independent reading and research. Mr. Steere, Mr. Foss, and Mr. Bennett.

# 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. Each student is required to take, during his first three years, nine terms (fall, winter, spring) of Physical Education or of certain courses in the Arts and Service Program (see p. 103), 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. Only those students whose physical condition is satisfactory will be permitted to take part in athletics. 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.

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 thirteen tennis courts, three of which are all-weather. There are four dinghies available during the spring and fall for those (with certain exceptions) 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 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, coaches and officials, and rooms for the administration of medical and physical examinations.

# **Physics**

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

Students of chemistry, engineering, mathematics, medicine, physics 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 and 12, but Freshmen with adequate preparation may be admitted after consultation.

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

Physics 21 and 22 are open to qualified students who seek a broad understanding of modern concepts of matter and radiation. Physics 24, 32, 33-34 and 61, 62 are recommended to students of chemistry, mathematics, and engineering who plan to do graduate work.

# Major Requirements

Physics 13-14, 33-34, 81, 82, 100, and two semesters selected from 61, 62, 63 or 64. constitute the minimum requirement of courses in this Department. In addition, further choice from Physics 21, 22, 24 and 31 is recommended.

Mathematics through differential equations.

History of physics (collateral reading) in course 100.

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

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

13-14. GENERAL PHYSICS-Fours hours. Three class periods and one laboratory period a week. Mr. Lemonick and Mr. Benham.

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 after consultation. 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 or 21, 22 concurrently. Sophomores who have passed Mathematics 11, 12 or Physical Science 11 and 12, or both, will be admitted. Year course.

21. ATOMIC PHYSICS (EXTRANUCLEAR)—Three hours. Three class periods a week and occasional laboratory periods. Mr. Lemonick.

A course of lectures, experiments, discussion and readings emphasizing the development of the extranuclear aspects of modern physics: electrons, ions, conduction of electricity in gases, x-rays, spectroscopy, photoelectricity, and kindred topics. Together with Physics 22, this course covers a wide range of present day physics and chemistry. Some of the more theoretical aspects are reserved for Physics 62. Prerequisite: Physics 13-14, or consent of the instructor. Semester course.

Not offered in 1955-56.

22. ATOMIC PHYSICS (NUCLEAR)—Three hours. Three class periods a week and occasional laboratory periods. Mr. Lemonick.

A continuation from Physics 21 of the study of atomic structure, particularly with respect to the present understanding of the atomic nucleus: natural and induced radioactivity, stable nuclei, mass spectroscopy and istotopes, nuclear reactions, high energy accelerators, cosmic rays. Prerequisite: Physics 21, or consent of the instructor.

Not offered in 1955-56.

24. PHYSICAL OPTICS—Three hours. Three class periods a week and frequent laboratory periods. Mr. Lemonick.

A study of the principles of physical optics covering systematically such fields

as refraction, diffraction, interference, and polarization, with an introduction to Maxwell's equations. Prerequisite: *Physic Science 11, 12,* or *Physics 13-14.* Offered in 1955-56, in first semester.

31. MECHANICS—Three class periods a week, Mr. Lemonick.

Analytical mechanics, treating the statics, kinematics, and dynamics of particles and rigid bodies. Discussion and problems on the application of calculus, differential equations and vector methods to mechanical systems, including an introduction to Lagrange's equations and the special theory of relativity. This course and *Physics 61*, 62 are complementary. Prerequisite: *Physics 13-14* and *Mathematics 21*, 22; *Mathematics 31* must be taken previously or concurrently. Semester course.

Offered in 1955-56, in second semester.

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. Solutions of electrostatic problems, Gauss's theorem, potential, capacitance, magnetic circuits, transient and alternating current, and the laws of the electromagnetic field, are among the topics treated. Prerequisite: Physics 13-14 and Mathematics 21, 22; Mathematics 31 must be taken previously or concurrently. Year course.

Offered annually.

61. INTRODUCTION TO MATHEMATICAL PHYSICS—Three class periods a week. Mr. Sutton.

(Also called Mathematics 61.)

Readings and problems on selected topics in classical mathematical physics, aimed to develop appreciation of theory and skill in the use of mathematical tools for the solution of physical problems and in the interpreting of mathematical consequences physically, with emphasis upon the fuller understanding of differential and integral processes and the development of vector methods. Prerequisite: Physics 13-14 and Mathematics 31. Semester course which, when linked with Physics 62 or Astronomy 31 or 32, offers a year of theoretical physics, but qualified students may take either semester of Physics 61 or 62 alone. Not offered in 1955-56.

62. MATHEMATICAL METHODS IN MODERN PHYSICS—Three class periods a week. Mr. Sutton.

(Also called Mathematics 62.)

Readings and problems in electron physics, the theory of atomic and nuclear structure, wave mechanics and related fields. Prerequisite: *Physics 13-14* and *Mathematics 31; Physics 21* and *61* are also recommended but not required. Not offered in 1955-56.

63. ELECTRONICS—CIRCUIT THEORY. Four hours. Three class periods a week and one laboratory period. Mr. Benham.

This course includes the study of resonant circuits, coupled circuits, filter networks and impedance matching. Laboratory experiments are designed to give the student experience in the relation of theory to practice. Prerequisite: Physics 33-34, or Engineering 33-34, or consent of instructor.

Offered annually.

81, 82. PHYSICS SEMINAR—Three hours. One meeting a week and individual study and laboratory work. Mr. Benham and Mr. Lemonick.

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 Dpartment 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. Students who major in Physics are expected to take two semesters, but the course is not restricted to Major students. Qualified Juniors or Seniors may, by permission, elect either one semester or two. Also, the course may be repeated for credit with change of content. The granting of Honors depends heavily upon performance in this course.

Offered annually.

### Political Science

THE POLITICAL SCIENCE CURRICULUM is designed to give students an understanding of political organization and political forces in modern society, to provide knowledge and a basis for insight and judgment on the problems involved in the relationship of the individual to government 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 political organization; American political institutions; and problems of international relations.

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

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

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

### Major Requirements

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

At least four other semester courses in social sciences other than Political Science. A comprehensive examination covering the major fields of study. The comprehensive examination includes seminar participation.

Candidates for Honors are required to submit a thesis of independent research work. Such thesis may obtain course credit through *Political Science 81* or 82.

Economics 21, 22, Mathematics 14, and Sociology 61 are recommended for Political Science Majors.

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

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

Offered annually.

22. MODERN POLITICAL INSTITUTIONS AND ISSUES—Three periods a week. Mr. Haviland, Mr. Roche, and Mr. Scott.

A comparison and analysis of modern governmental institutions and practices with reference to their theoretical foundations. Central problems of government will be examined in relation to comparative structures, administration, and operative ideals. Special attention will be devoted to the United States, which will also be used as a basis of comparison. Prerequisite: Social Science 11-12. Offered annually.

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

 PARTIES, PRESSURES, AND PUBLIC OPINION—Three periods a week. Mr. Scott.

A study of political parties, their organization and techniques, as an instrument of democratic government; the relationship of private associations and interest groups to the party system; the role of such associations in a democracy; and the

struggle for power with relation to public opinion and theories of the public interest. Prerequisite: *Political Science 21* and 22. Semester course.

Offered annually.

32. CONSERVATION OF NATURAL RESOURCES—Mr. White. (See Geography 32.)

33b. AMERICAN CONSTITUTIONAL DEVELOPMENT—Three periods a week.
Mr. Roche.

A study of the development of the American constitution through judicial interpretation, related to he changing political, social, and economic problems of the United States. Definitive Supreme Court cases shaping the course of American development will serve as the primary basis of study. Prerequisite: Political Science 21 and 22. Semester course.

Offered in 1955-56 and alternate years.

 SOCIAL INSURANCE AND PUBLIC WELFARE—Three periods a week. Mr. Somers.

(Also called Economic 34 and Sociology 34.)

A study of the economic and political problems encountered in attempts to cope with the hazards of modern industrial society, including unemployment, disability, and old age, through systems of social security. Methods of prevention and alleviation, with particular reference to social insurance and related governmental programs and the nature of public interest in individual disaster are examined. Prerequisite: Either *Political Science 22, Economics 21* or *Sociology 22*. Semester course.

Offered in 1956-57 and alternate years.

 GOVERNMENT ADMINISTRATION AND PUBLIC POLICY—Three periods a week. Mr. Scott.

A study of administration as a central element of contemporary society with special reference to the problems involved in the decision—making process; administrative theory and process in relation to the formulation and execution of public policy. The approach is analytical rather than descriptive and based, in large measure, on case studies. Prerequisite: *Political Science 21* and 22. Semester course.

To be offered in 1955-56 and alternate years.

 MARKET ORGANIZATION AND PUBLIC POLICY—Three periods a week. Mr. Baratz.

(See Economics 39.)

41-42. THE SOVIET SYSTEM—Mr. Hunter.

(See Economics 41-42.)

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

A critical analysis of the forces which shape United States foreign policy includ-

ing its objectives, methods, and consequences. Major emphasis will be placed on the preparation of project papers concerning specific contemporary issues in United States foreign policy. Prerequisite: *Political Science 22*. Semester course. Offered in 1956-57 and alternate years.

# 53, 54. INTERNATIONAL RELATIONS: ECONOMIC AND POLITICAL—Three periods a week. Mr. Haviland.

(Also called Economics 53, 54.)

An examination of the major factors which condition international relations, with special emphasis on political and economic aspects. Political Science 53 and 54 are designed as a year course; together they present the basic elements for an understanding of current international problems. The first semester's work focuses on certain basic elements: physical and human resources, fundamental economic and political concepts (e.g., trade, investment, nationalism, and imperialism) and some analysis of the interaction of these factors prior to World War II.

Against this background, the second semester is devoted to an analysis of major international developments since World War II. This study deals with selected functional problems—e.g., economic development, commercial policy, and the settlement of disputes—and area problems, especially those affecting Europe and Asia. This is followed by individual or group projects.

Prerequisite: Economics 22 and Political Science 22.

Offered annually.

#### 55. COMPARATIVE GOVERNMENT. Three periods a week. Mr. Roche.

An advanced, functional analysis of the political, social and economic institutions of contemporary European democracy. Emphasis is placed on the changing role of government in society, on the political and economic forms that have been developed to meet new needs, and on the impact of these new developments on traditional democratic theory. Prerequisite: *Political Science 22*. Semester course. Offered in 1955-56 and alternate years.

#### INTERNATIONAL LAW AND ORGANIZATION—Three periods a week. Mr. Haviland.

A critical analysis of the evolution of major instrumentalities for the achievement of world order and law. Particular attention will be given to the League of Nations, the United Nations, the specialized agencies, and various proposals for regional and world government. Prerequisite: *Political Science 22*. Semester course.

To be offered in 1955-56 and alternate years.

#### 57. AMERICAN POLITICAL THOUGHT—Three periods a week. Mr. Roche.

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

Offered in 1956-57 and alternate years.

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

Mr. Scott.

(Also called Sociology 64.)

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

Offered annually.

81, 82. INDEPENDENT PROJECT COURSES—Individual consultation; supervised independent reading and research. Mr. Haviland, Mr. Roche, and Mr. Scott.

Research papers and oral reports on special topics based upon the individual interests of advanced students. Open only to Senior Social Science Majors by permission of the instructor. Theses of candidates for Honors may be written for credit in this course. Limited enrollment. May be taken as semester or year course by arrangement with instructor.

Offered annually.

# Psychology

COURSES in Psychology are intended to acquaint the student with an understanding of principles of human behavior as derived from psychological theory and investigation. The subject deals primarily with the relationship of the individual and his environment. The curriculum contributes to the intellectual development and liberal education of the student by providing a systematic attempt to interpret the facts of experience and behavior and to examine the possible contributions of the science of psychology to other areas of specialization.

# Major Requirements

A major program in psychology requires twelve semester courses as follows: Psychology 21, 22, 33, and 100; Psychology 34 or 36 or Sociology 61; Mathematics 14; Sociology 21, 22; and four additional courses, three in psychology and one to be chosen from a prescribed list of courses in biology, economics, political science and sociology.

A comprehensive examination is given in the Senior year.

21, 22. GENERAL PSYCHOLOGY-Three hours. Mr. Campbell and Mr. Heath.

A psychological approach to the study of human behavior. The continuity and interrelationship of individual and social behavior will be emphasized. The course has been designed to provide a groundwork for those who plan to do further work in psychology and a survey of the field for those interested in the applica-

tion of psychological principles to other areas of specialization. Prerequisite: Social Science 11-12.

Offered annually.

31. HUMAN RELATIONS—Three hours. Mr. Campbell.

(Also called Sociology 31.)

The course is designed to increase the understanding of social relations in modern society. Problems of interpersonal, intra-groups, and inter-group relationships will be examined within the framework of principles of social psychology. Prerequisite: Sociology 21, 22, or Psychology 21, 22. Semester course.

Offered annually.

 MOTIVATION—Three class periods and one laboratory period a week. Mr. Heath.

The physiological and psychological aspects of motivation and emotion will be experimentally analyzed. The relation of motivation to learning, cognitive processes and personality will also be discussed. The laboratory will introduce the student to different methodological techniques used in working with both human and non-human subjects. Prerequisite: *Psychology 21, 22.* Mathematics 14 recommended. Semester course.

Offered annually.

34. PRINCIPLES OF LEARNING—Three class periods and one laboratory period a week. Mr. Heath.

This course will consist of a systematic analysis of the learning process and its application to remembering, thinking, verbal behavior, and the development and modification of personality. While emphasis will be placed on contemporary theoretical issues and experimental work in the area of learning, the historical context out of which these issues have developed will also be discussed. Prerequisite: *Psychology 21, 22.* Psychology 33 and Mathematics 14 are recommended. Semester course.

To be offered in 1956-57 and alternate years.

 EXPERIMENTAL SOCIAL PSYCHOLOGY—Three class periods and one laboratory period a week. Mr. Campbell.

This course uses principles of scientific investigation to study selected problems in social psychology. Social factors in motivation, perception, remembering and thinking will be studied. Application of experimental social psychology to public issues will be considered. Various areas examined will be related to contemporary psychological theory. Prerequisite: *Psychology 21, 22.* Mathematics 14 and Psychology 33 are recommended. Semester course.

To be offered in 1955-56 and alternate years.

42. COMMUNICATION AND PROPAGANDA—Three hours. Mr. Campbell.

A study of the psychological and social factors in the communication process.

Attitude and opinion formation and change will be examined, and techniques of attitude scaling will be presented. The nature and effect of communication media will be studied. Prerequisite: Psychology 21, 22. Semester course.

To be offered in 1956-57 and alternate years.

61. THEORIES OF PERSONALITY—Three periods a week. Mr. Heath.

An extensive survey of various theories of personality and motivation. In addition to the theories of Allport, Lewin, and the "non-directive" school, the psychoanalytic theories of Freud and the neo-analysts will be studied more intensively and critically. Readings from original sources. Prerequisite: *Psychology 21, 22*. Semester course.

Offered annually.

62. DEVELOPMENTAL TRENDS IN PERSONALITY—Three periods a week.

Mr. Heath.

Development of the normal personality from birth to maturity will be discussed. While some consideration will be given to the intellectual development of the child and adolescent, major attention will be focused on the normal adjustive problems of different age levels and the various methods used to modify and control behavior. Group discussion and analysis of case history material will supplement extensive readings in the experimental, clinical, and theoretical literature. Prerequisite: Psychology 61 and the consent of the instructor. Semester course. To be offered in 1955-56 and alternate years.

81, 82. SPECIAL TOPICS IN PSYCHOLOGY-Mr. Campbell and Mr. Heath.

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. Semester course.

Offered annually.

READING COUNSELING. Mr. F. D. Comfort.

This program offers an opportunity for students to improve their reading proficiency. Few students, if any, have realized their real potentiality in this field. Through a series of conferences, methods of developing higher level reading skills are explored. Any student who is willing to concentrate upon it, while reading for his various subjects, will find that he can increase his speed and comprehension. Also, by giving thought to the different purposes of reading, and practicing methods appropriate to each purpose, he may increase his adaptability, making each type of reading more effective. No credit.

# Romance Languages

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

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

Residence in the French and Spanish Houses and participation in the Cercle français and Club español afford an opportunity for supplementary oral practice.

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

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

#### FRENCH

The program of French courses offers students an opportunity:

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

## Major Requirements

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

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

Comprehensive Examination.

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

First semester: Study of those aspects of French grammar without a knowledge of which one cannot read French intelligently. Training in pronunciation.

Second semester: Reading of authors who have concerned themselves with important problems. One class hour a week is devoted to translation, another to concentrated analysis of short texts, and the third to discussion of rapid reading. Year course.

Offered annually.

# 13-14. THE FRENCH PEOPLE—Three periods a week. Mr. Gutwirth, Mr. Hornik and Mr. Shaw.

The purpose of this course is to aid the student, through analysis of French attitudes and comparison with equivalent American attitudes, to achieve a more objective understanding of the French people and of certain cultural forces which have had a part in shaping his own life. Reading and discussion of French literary works for their cultural implications. An intensive effort is made to help students learn to understand spoken French. Prerequisite: French 11-12 or the equivalent. Year course.

Offered annually.

#### 21. SPOKEN FRENCH-Three periods a week. Mr. Hornik.

This course is designed to develop the student's ability to speak French correctly and without embarrassment. At first most of the work will be carried on though individual conferences and laboratory periods; as the ability of the student increases and general discussion becomes more profitable, more emphasis will be placed on regular class meetings. Students who plan to take this course are encouraged to make arrangements to live in the French House. Prerequisite: Special permission of the Department. Enrollment limited to twelve students. Semester course.

Offered annually.

#### 22. THE FRENCH LANGUAGE—Three periods a week. Mr. Hornik.

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

Offered annually.

# 23-24. CURRENTS OF FRENCH LITERATURE—Three periods a week, Mr. Gutwirth.

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

To be offered in 1955-56 and alternate years.

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

This course, while independent of French 23-24, is complementary to it. It consists of studying and discussing a limited number of masterpieces chosen from the whole range of French literature. Emphasis is placed on intrinsic values rather than on social and historical relationships. The list of works read is varied from year to year to suit the needs and interests of the students and of the teacher. Prerequisite: French 13-14 or the equivalent. Year course.

Offered in 1956-57 and alternate years.

# 81, 82. SPECIAL PROJECTS IN FRENCH LITERATURE—Mr. Gutwirth, Mr. Hornik, and Mr. Shaw.

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

Offered annually.

#### **SPANISH**

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

## Major Requirements

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

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

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

Comprehensive Examination.

11-12. ELEMENTARY SPANISH—Three regular periods and one special discussion period a week. Mr. 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.

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

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

Mr. Asensio.

Geographic, cultural, and historical background. Emphasis is laid on basic attitudes underlying the Spanish and Spanish-American culture pattern and contrasting with characteristic American attitudes. Lectures, reading, discussion, written reports. Prerequisite: *Spanish 13-14* or the equivalent. Year course. Not offered in 1955-56.

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.

Not offered in 1955-56.

23-24. 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. Year course, Mr. Asensio.

Offered in 1955-56.

33. 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.

Not offered in 1955-56.

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

THE COURSES in Russian are designed to offer the students the opportunity to learn to read and speak Russian and to achieve an understanding of the thought and culture of pre-revolutionary as well as contemporary Russia. Russian 11-12 and 21-22 are primarily language courses. The elementary course teaches the basic grammar and enough vocabulary to enable the student to speak and understand simple Russian. The intermediate courses introduces the student to the Russian literary language; also some newspaper articles and other contemporary material are read.

Students who have completed Russian 21-22 can continue with the more advanced courses offered at Bryn Mawr College.

### Major Requirements

(Courses numbered above 100 are offered at Bryn Mawr College.)

Students majoring in this field will be required to take:

8 semester-courses in Russian language and literature: 11-12, 21-22, 201, a 300 course chosen from 301, 302, 303, 304, in addition to the 100 course.

4 semester courses in Russian history and institutions: History 208 (History of Russia); Political Science 41-42 (Soviet Political and Economic Development).

Other related courses, including Russian 203, (Russian Literature in Translation) will be arranged in individual conference with the major supervisor.

A comprehensive examination on the Russian language, a special period of Russian literature, and Russian history.

11-12. ELEMENTARY RUSSIAN\*-Five periods a week. Miss deGraaff.

Russian grammar, conversation, and reading. Year course.

Offered annually.

21-22. INTERMEDIATE RUSSIAN-Four periods a week. Miss deGraaff.

Grammar review, reading in Russian classics and contemporary materials, conversation. Prerequisite: Russian 11-12 or the equivalent. Year course.

Offered annually.

The following courses are given at Bryn Mawr College:

 READING IN RUSSIAN LITERATURE—Three periods a week. Instructor to be announced.

Representative writers of the nineteenth century. Conducted mostly in Russian. Prerequisite: Russian 21-22. Year course.

Offered annually.

 This course meets five times a week with corresponding reduction in outside preparation; three hours credit. 203. RUSSIAN LITERATURE IN TRANSLATION—Three periods a week. Miss Linn.

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

302. PUSHKIN AND HIS TIME—Three periods a week. Miss deGraaff. Conducted in Russian. Prerequisite: Russian 201. Year course.

# Sociology

THE CURRICULUM in Sociology is designed to develop the student's understanding of the social structure, the social process, and the social relationships in and through which man functions. The subject matter deals with man, his groups, his organizations, and his communities. Courses are offered for those who would make Sociology their area of major interest as well as for those students wishing to study social science methods, or, such specific groups and institutions as populations, the family, and the community.

## Major Requirements

A major program in Sociology has a prerequisite of Social Science 11-12 and the Introduction of Statistics, Mathematics 14. Students are advised to take these courses in their Freshman year. The program requires the satisfactory completion of the following courses:

- a. Sociology 21, 22, 33 or 40, 37 or 38, 61, 81, 82, 100; Psychology 21, 22;
- b. two additional courses selected from the following group: Economics 21, 22, 36; Geography 32; Political Science 21, 22, 34; Psychology 32, 33, 34, 61.

A comprehensive examination, designed to test the student's knowledge as well as his ability to integrate and utilize the subject matter of sociology and other social sciences, is given in the Senior year.

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

21, 22. SOCIAL AND CULTURAL LIFE—Three periods a week. Mr. Reid.

In the first semester this course will set forth a systematic organization of the field of general sociology using the basic concepts of function, structure, and process as guiding principles. The materials will be based on the leading methods of sociological research.

Cultural anthropology is the framework for the second semester's work. Here the student will analyze diverse cultures with particular reference to man's institutions, value systems, behavioral patterns, and their interrelations. Students may begin this course in either semester. Required of all Sociology Majors. Prerequisite: Social Science 11-12.

Offered annually.

# 32. HUMAN RELATIONS—Mr. Campbell. (See *Psychology 32*.)

33. POPULATION POLICIES AND PROBLEMS—One three-hour period a week. A study of the restrictive, expansive, and eugenic aspects of national population policies as they are related to demographic theory. Special reference is given to the problems of fertility and mortality, density, immigration, and food supply. Prerequisite: Sociology 21, 22, or Economics 21, 22, or Psychology 21, 22. Semester course.

To be offered in 1956-57 and alternate years.

- 34. SOCIAL INSURANCE AND PUBLIC WELFARE—Mr. Somers. (See *Political Science 34*.)
- 36. LABOR ECONOMICS AND LABOR RELATIONS—Mr. Teaf. (See *Economics 36a.*)
- 37. THE FAMILY—One three-hour period a week. Mr. Reid.

A study of the institutions designed to guarantee the perpetuation of the group and its cultural heritage in comparative societies. The course will analyze functions, forms and processes of the institutions of mariage and the family. Individual projects. Prerequisite: Sociology 21, 22 or Economics 21, 22 or Psychology 21, 22. Semester course.

Offered in 1955-56 and alternate years.

38. THE MODERN URBAN COMMUNITY—One three-hour period a week.

A study of the social and spatial aspects of modern urban community organization as influenced by personal, technological, ecological, economic and political factors. Individual projects. Prerequisite: Sociology 21, 22 or Economics 21, 22, or Psychology 21, 22.

To be offered in 1956-57 and alternate years.

 PEOPLES AND GROUPS IN THE MODERN WORLD—One three-hour period a week. Mr. Gordon.

An analysis of the secularization of the world's peoples and the contemporary "minorities" situations in the world; how these situations arise; how they are perpetuated. Special attention is given to theories and methods of analysis. Individual projects. Prerequisite: Sociology 21, 22, or Economics 21, 22, or Psychology 21, 22. Semester course.

Offered in 1955-56 and alternate years.

- 42. COMMUNICATION AND PROPAGANDA—Mr. Campbell. (See Psychology 42.)
- 61. SOCIAL RESEARCH—Two periods a week. Mr. Gordon.

An analysis of classic and significant studies in the fields of the social sciences with a view toward understanding the methods, tools, techniques, and hypotheses of social research. Studies will demonstrate the use of statistical, case, historical,

and other research procedures. Individual projects. Required of Sociology Majors. Prerequisite: Sociology 21, 22 or Economics 21, 22, or Psychology 21, 22 and Junior Standing. Semester course.

Offered annually.

81. SPECIAL TOPICS IN THE SOCIAL SCIENCES-Mr. Reid and Mr. Gordon.

This is a course for advanced students who wish to undertake special individual study projects or to pursue a specialized reading course in some phase of social science. Final examination. Prerequisite: Sociology 61 and permission of the instructor.

Offered annually.

82. ISSUES IN SOCIETY—Companion seminar to Sociology 100 with individual consultations. Mr. Reid and Mr. Gordon.

This seminar is designed to treat a sociological situation of current or potential importance, emphasizing the nature and problems of social fact, social values and the social process. Individual projects. Required of Sociology Majors. Prerequisite: Sociology 61. Semester course.

Offered annually.

## Senior Seminar

HAVERFORD 100. SENIOR SEMINAR—One three-hour period a week. Messrs. Post, Loewy, and others.

An advanced inter-disciplinary seminar whose aim is to stimulate the student to integrate his own specialized experience within a larger continuum. This objective is sought by focusing the methods and insights of the natural sciences, the social sciences, and the humanities upon one central and fundamental problem of human life. Prerequisite: Senior standing. Semester course.

# Arts and Service Program

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

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

In its non-academic work, the College insists on the same high quality of teaching which it demands in its academic 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.

#### CABINETMAKING-Three hours a week, Mr. Holmes.

Instruction will be offered during the winter term in woodworking with hand tools on selected tasks. Qualified students may work on projects of their own choice insofar as facilities permit. Cost of materials will be borne by the student. Limited to five students with consent of instructor.

Not offered in 1955-56.

#### COMMUNITY SERVICE—Three hours a week. Mr. Hetzel.

Non-academic credit will be given to students who serve as group leaders in the activities of community services. Activities include athletics, scouting, clubs, music, dramatics, hobbies, and other youth-leadership work. Competent social workers will supervise the work, and guidance will be given by sociologists to make the experience meaningful.

Offered in the fall and winter terms.

#### MACHINE-TOOL WORK-Three hours a week, Mr. N. Wilson.

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

#### MODELING AND SCULPTURE—Three hours a week. Mr. J. W. Kelly.

This course for beginners or advanced students will be offered in the fall and winter terms. It includes composition, portrait, life, and some study of modern trends in sculpture. As artists have for long been taught to read, so this course aims to teach academic students to see.

#### MUSIC APPRECIATION—(1)—Three hours a week, Mr. Reese.

An elementary course designed to develop a technique of listening to music. The basic aspects of music—melody, rhythm, harmony, texture, color, form—are studied. Emphasis is placed on the analysis of examples given and of music heard in available concerts. Offered in the winter term.

#### MUSIC APPRECIATION—(2)—Three hours a week. Mr. Caselli.

Operas by Bellini, Donizetti, Rossini, Verdi, Boito. Puccini, will be presented in record form and analyzed, placing them in proper correlation with other works in the field of Italian opera.

Offered in the fall term. No prerequisites.

#### PAINTING AND DRAWING-Three hours a week. Mr. Janschka.

The purpose of instruction in this course is to help students in acquiring perception and skill in artistic creation and rendtion through the media of painting, drawing and modeling. The work may be from life and nature, from imagination, or the copying of art works. Prior experience is not required. Offered in the fall and winter terms. Limited to twenty-five students each term.

#### PHOTOGRAPHY-Three hours a week. Mr. N. Wilson,

This unit is for beginners and 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. Limited to six students. Offered in the fall term.

#### PUBLIC SPEAKING—Three hours a week.

This unit is based on the assumption that members, having taken required Public Speaking (English 11-12), have already had elementary training whereby they have been freed from stagefright and platform awkwardness. The course will be organized to meet the special needs of those who elect it. Important for prospective clergymen, lawyers and teachers. Admission with the consent of the instructor. Offered in the fall term.

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

This unit consists of projects in radio, such as instruction in the International Morse Code, a study of basic principles, or a construction project (the cost of materials to be borne by the student). It may serve as preparation for the amateur license examination given by the Federal Communications Commission. Admission with the consent of the instructor. Offered in the winter term.

#### THEATER ARTS—Three hours a week. Mr. Butman.

This unit is designed to help the individual establish a working understanding between his creative instinct and his ultimate expression within the framework of the spoken drama. Offered in the fall term.

#### WEEKEND WORKCAMPS-Mr. Hetzel and Mr. Richie.

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

# The Graduate Curriculum in Social and Technical Assistance

HAVERFORD COLLEGE is offering qualified men and women a Graduate Curriculum in Social and Technical Assistance in the belief that the development of a peaceful world society depends on large-scale social, economic and political reorganization in many regions and over a long period of time.

All who engage in assistance programs should be both emotionally and intellectually qualified for the task. As men and women of good will they should be able to work harmoniously with people of different races and under difficult and primitive conditions. They should be able to appreciate the values of foreign cultures and understand the basis for economic and political theories.

Projects for the improvement of living conditions which are essentially technical in character make a profound impact on the social life of the people who are affected by the changes. Thus, professional competence of the technicians is not sufficient by itself. They must be alert to the social implications of the work and prepared to help the affected population to adjust to a new economic-social order. Practically all of the technical and social assistance projects now in progress or envisaged by the private, governmental and intergovernmental agencies are as much problems of human engineering as they are matters of putting technological principles into practice.

The Graduate Curriculum in Social and Technical Assistance offered by Haverford College presupposes a sound general education as basic preparation, preferably with some technical education or experience. The course does not necessarily specialize in the needs of specific areas—on the principle that a graduate should be broadly prepared to serve wherever the opportunity offers. However, in the case of an individual who is planning to join a specific assistance program, opportunity is offered to adapt the content and method of courses to the student's particular needs.

Although this curriculum is now only in its fourth year, many of the forty-eight students who have completed it are already finding positions of responsibility. Sixteen are serving in twelve different foreign countries, five are engaged in governmental service in the United States, eleven are with local agencies engaged in community development and social services, nine are teaching, three are doing administrative work in educational or civic organizations, two are continuing their technical education, and two are in industrial or commercial work.

## **Entrance Requirements**

This curriculum is open to men and women who hold the Bachelor's degree from recognized institutions and who are otherwise qualified by virtue of their character, motivation and previous training. Special consideration is given to foreign students with similar preparation and qualifications. Candidates for admission are expected to possess competence in at least one modern foreign language equivalent to one year's work in college beyond the elementary level, and to have some preparation in the social sciences.

## Academic Course of Study

Each student will be expected to complete a program of ten semestercourses selected to fit his particular needs. In most cases these courses will be chosen from those listed below, but students may be urged to select other courses which fit their particular needs and the general aims of this curriculum. A grade of at least 80 must be obtained in each course.

SOCIAL SCIENCE 91—Case Study of Assistance Programs. Required. Mr. Teaf and others.

A study by the case method, of the objectives, organizational and operational techniques, and problems faced in various types of assistance programs: relief, reconstruction, technical assistance, social and technical planning. In the study of each program, consideration will be given particularly to problems raised by geographical, cultural, economic and political aspects of the areas concerned. Lectures by staff and visitors, readings, papers, and seminar discussions.

SOCIAL SCIENCE 93-Orientation Seminar. Required. Mr. Steere and others.

This course will consider both directly and through biographical studies some of the factors which motivate service in assistance projects. It will also examine the living genius and impact of the principal non-Christian religions today.

SOCIAL SCIENCE 97-98—Research Project and Thesis. Required. Mr. Reid and others.

Research projects and theses may be case studies of projects sponsored by voluntary agencies and others operating assistance and developmental programs, or other approved subjects.

SOCIOLOGY 61-Social Research, Mr. Gordon,

An analysis of classic and significant studies in the fields of the social sciences with a view toward understanding the methods, tools, techniques, and hypotheses of social research. Studies will demonstrate the use of statistical, case, historical, and other procedures. Individual projects.

ECONOMICS-POLITICAL SCIENCE 53-54—International Relations: Economic and Political. Mr. Haviland.

An examination of the major factors which condition international relations, with special emphasis on political and economic aspects. The first semester's work focuses on certain basic elements: physical and human resources, fundamental economic and political concepts (e.g. trade, investments, nationalism, and imperialism) and some analysis of the interaction of these factors prior to World War II. This background provides the basis for an intensive study, during the second semester, of selected area and functional problems as they have taken shape since World War II. This study will terminate with group or individual projects involving some field work.

POLITICAL SCIENCE 64-Modern Political and Social Theory. Mr. Roche.

A study of leading political doctrines of the nineteenth and twentieth centuries which have had major influence in shaping the issues and conflicts of the modern world.

GEOGRAPHY 32-Conservation of Natural Resources. 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.

PSYCHOLOGY 81, 82—Special Topics in Psychology. Mr. Campbell and Mr. Heath.

A seminar for special work in restricted fields of psychology. A project course.

#### MODERN FOREIGN LANGUAGE.

Continuation of a language presented for entrance is recommended. In 1955-56 students may take such departmental offerings as French 21, 22, German 15-16, 23, Spanish 23-24 or, if qualified, higher courses in which the spoken language is employed. Students who are proficient in one foreign language may study another language.

## Non-Academic Course of Study

Each student is expected to take one non-academic course in the Arts and Service Program. The following are recommended as appropriate for the purposes of this program:

Community Service. Activities include supervision of athletics, scouting, clubs, music, hobbies and other work with youth in a community center.

Photography. This course is intended for beginners and will include instruction in the use and characteristics of photographic equipment, as well as darkroom procedures of developing and enlarging.

Weekend Workcamps. Students electing this course will spend three weekends participating in the work of renovating houses in certain areas of Philadelphia.

## Requirements for the Master's Degree

The degree of Master of Arts will be awarded to those who have satisfactorily completed the program of ten academic semester courses (including the thesis based on the research propect), the non-academic course, and a comprehensive examination on the academic courses and the relevant courses offered for entrance.

## Fellowships

Preference in the awarding of the Thomas Wistar Brown Fellowships for graduate study, totaling \$5,000, will be given to qualified men and women who share concerns of the Society of Friends and who intend to specialize in Social and Technical Assistance. The value of a Thomas Wistar Brown Fellowship depends on the needs of the applicant. 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

The College has received a grant from the Christopher Reynolds Foundation which makes possible the awarding of fellowships to one or two students who have had several years of experience in a technical field or in a technical assistance project. These fellowships vary from \$1,000 to \$3,000, depending on the financial status and requirements of the student. Special consideration will be given to applicants who have had experience in the technical assistance programs of the United Nations or of the United State Government.

Awards are determined on the basis of financial data presented in the questionnaire which constitutes formal application for admission into the graduate unit in Social and Technical Assistance. Questionnaires containing such a request for financial aid should be in the hands of the Director of Admissions, Haverford College, not later than April 1 to secure consideration for the following year.

Charges.-See pp. 27, 28.

## 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 (\$18 per year, charged to every undergraduate as a part of the Unit Fee) on the basis of a yearly budget. In intercollegiate relations in general 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, there are dormitory representatives elected to the Council.

THE HONOR SYSTEM COMMITTEE is responsible for introducing the Honor System to incoming students. It also makes periodic evaluations of how the System works.

## Societies and Organizations

THE PUBLIC AFFAIRS ASSOCIATION is an organization of men interested in political, economic and sociological affairs. It includes as subsidiary groups a chapter of the Intercollegiate Conference on Government and the Political Forum which is responsible for bringing speakers on current affairs in these fields to the campus.

THE INTERNATIONAL CLUB, founded in 1954 by an exchange student, offers opportunities for Haverford students to become acquainted with the more personal and intimate side of customs in foreign countries.

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 STUDENT CURRICULUM COMMITTEE investigates and evaluates Haverford's methods and philosophy of education and make suggestions to the Faculty and Administration on the subject of the curriculum and College program.

THE ADVISORY COMMITTEE ON COLLECTION SPEAKERS makes suggestions on possible speakers for the College and arranges for interested students to meet with these visitors.

THE DRAMA CLUB, in conjunction with the Bryn Mawr College Drama Guild, produces on the average three major plays a year, alternating between the Bryn Mawr and Haverford stages. Meetings, that are open to all regardless of previous experience, are the workshop of the Club with lectures and discussions on all vital aspects of play production.

THE COLLEGE GLEE CLUB, which is the chief musical organization of the College, is open to all who have a love of music and enjoy singing. Rehearsals are held twice weekly. The repertoire includes short numbers of various types and one or more major works each season, the latter being presented in conjunction with the chorus from a women's college. There are trips at various times and, some years, a concert tour during spring vacation. Tryouts are held after the first month of rehearsals for both Freshmen and Upperclassmen. Regular members are chosen on the basis of interest, voice quality, and reading ability.

THE ORCHESTRA is a combined enterprise with Bryn Mawr College. All students playing orchestral instruments are invited to get in touch with the director, Dr. William Reese. Full rehearsals are held at Bryn Mawr weekly and sectional rehearsals at Haverford. The orchestra studies particularly works of the 17th and 18th century, contemporary works, and often plays the orchestral part of large choral works given by the Glee Club in concert.

Smaller ensemble groups for chamber music are fostered at both colleges. There is opportunity for instrumental study with noted teachers at nearby music institutions.

THE BAND plays at football games, pep rallies, and on a few other occasions.

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 INTER-DORM DANCE COMMITTEE arranges dances between Haverford and Bryn Mawr dormitories. Its members are appointed by the Students' Council.

THE PHOTOGRAPHIC CLUB promotes interest in photography and has the use of a dark-room and equipment located in Hilles Laboratory.

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

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

DEPARTMENTAL CLUBS. There are at Haverford various departmental groups, which arrange for outside speakers and often hold discussion sessions. Among these are the French Club, German Club, Spanish Club, Philosophy Club, a Humanities Forum which discusses topics of general interest to students of language, literature, philosophy, and the fine arts; the Mathematics Club, Biology Club, and Chemistry Club. A number of these clubs sponsor demonstrations, plays, and social gatherings.

## Joint Faculty and Student Group

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

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

#### Student Publications

THE HAVERFORD NEWS is a weekly newspaper, sent to all undergraduates and to all members of the alumni body. It is published on Fridays, during term-time, by undergraduates. There are opportunities for all interested men on both editorial and business staffs.

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.

THE HAVERFORD REVUE is a magazine devoted to student literary effort. It is published irregularly.

# 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 enittled to two weeks of residence in the Morris Infirmary each semester, ordinary medicine, diagnostic laboratory work, any x-rays needed for diagnosis, and the services of the College physician and resident nurse.

Students will be charged \$5.00 a day for residence in the Infirmary after their first two weeks. Day students will be charged for board in addition, 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 \$500.00 for each accident. The expenses covered include x-rays, medicine, surgical appliances, hospital bills, nursing care, physician's fee, surgeon's fee, and also dentist bills for repair or replacement of natural teeth as a result of an accident, subject to the approval of the College physician. The coverage is in force from 12:01 A.M. Standard Time three days before the date when registration of entering students begins until midnight three days after Commencement Day.

All of these services are covered by the Unit Fee which is paid by all students (see page 27).

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 is planned and developed with the primary purpose of providing the intellectual resources of books, periodicals, and pamphlets needed to sustain the work of the academic curriculum. Most of the volumes have been selected by the teaching faculty, and, with the exception of some special collections described below, the books and periodicals are all on open shelves and readily accessible for over ninety hours a week during the college year. In the administration of the Library, the aim is to bring the resources of the book collection as effectively as possible into the academic life of the College.

Beyond this primary purpose, the Library seeks through several collections to provide opportunities for independent research in certain fields. Most notable of such collections is the Quaker Collection, which attracts many visiting scholars each year. The Government Depository and International Documents Collections provide extensive resources for independent study in the social sciences, and there are further collections of autograph material, orientalia, and particularly of Renaissance literature offering similar research opportunities in other fields.

The Haverford Library contains about 196,000 volumes, and holds subscriptions to over 575 literary and scientific periodicals. Though designed especially for the use of students and faculty of the College, the Library welcomes outside readers who wish to consult the books, and, under certain restrictions, may grant them special borrowing privileges. The Library is open on week-days from 8:00 A.M. to 11:00 P.M., and on Sundays from 2:00 to 11:00 P.M. (Treasure Room: Week-days — 9:00 - 5:00; Saturdays — 9:00 - 12:00). Special hours are arranged for vacation periods.

The Library building, the first portion of which (the present north wing) was built in 1863, has grown by five successive additions. The construction of a new Stack in 1941 has assured room for growth of the book collections for several years to come. In December 1952 the original north wing was renovated in memory of William Pyle Philips, and now forms a bright and comfortable room for quiet study. There are also three special reading rooms in the building:

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

THE RUFUS M. JONES STUDY, a replica of Rufus Jones' own study, with his own books and furniture, is used for seminar classes in philosophy as well as for quiet reading.

THE TREASURE ROOM, provided through the generosity of Morris E. Leeds of the Class of 1888, contains the Quaker Collection as well as other rare books and special collections.

## Special Collections

THE QUAKER COLLECTION, containing approximately 20,000 books and 40,000 manuscripts, maps and pictures of interest to the Society of Friends, provides a repository for Quaker literature in the United States, and makes Haverford a vital center for the study of the history and philosophy of Quakerism. The unique nucleus of the library is *The William H. Jenks Collection of Friends' Tracts*, mostly of the seventeenth century, which numbers about 1500 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 autographs of the signers of the Declaration of Independence, authors, statesmen, scientists, ecclesiastics, and monarchs, and also several series of valuable papers on religious and political history.

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

THE WILLIAM PYLE PHILIPS COLLECTION contains more than seventy-five rare books and manuscripts, mostly of the Renaissance period. Among the treasures of this collection are first editions of Dante, Copernicus, Spenser, the King James Bible, Milton, Newton, and the four folios of Shakespeare.

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 CATALOGUE, the largest regional cooperative catalogue in America, enables users of the Haverford Library to locate books in over one hundred and seventy libraries of the Philadelphia area.

THE LIBRARY ASSOCIATES is an organization of graduates and friends of the College, devoted to increasing the usefulness of the Library. It serves to bring the facilities of the Library to wider notice and to make them available to the whole Haverford community; to encourage the making of gifts to the Library; and to aid in the use of the Library for exhibition purposes. Inquiries should be addressed to The Library, Haverford College.

#### Scientific Laboratories

THE WILLIAM J. STRAWBRIDGE MEMORIAL OBSERVATORY is equipped with three equatorially mounted telescopes, a 10-inch and a 4½-inch refractor, and a 6-inch reflector; a reflecting telescope with 8-inch mirror and altazimuth mounting; a meridian circle telescope of 3¾-inch aperture; a zenith telescope of 2¼-inch aperture; a spectrohelioscope; an astrographic mounting provided with two 4-inch Ross lenses and a 4-inch guiding telescope; sidereal clocks, a chronograph, 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 a good 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, shops, and mechanical and electrical 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. Here are situated the departmental library, laboratories, darkrooms, 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, and the Biology library.

## 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 by the late Professor Elihu Grant during a series of 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.

THE HAVERFORD COLLEGE FRIENDS OF MUSIC is an association of friends and neighbors of the College and faculty members, who, in cooperation with the Music Department, arrange a series of chamber music concerts which are held at various times during the year in the Common Room.

## Campus

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

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

## The Bucky Foundation

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

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

# Fellowships, Prizes and Honors

## **Fellowships**

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

The Faculty will nominate a First Cope Fellow and a Second Cope Fellow whose individual stipends, not to exceed \$1,000, will be determined by the Board.

Applications for a Clementine Cope Fellowship must be in the hands of the President before March 1, accompanied by whatever statement of extracurricular activities the candidate considers relevant.

GRADUATE FELLOWSHIPS.—For information regarding graduate fellowships, see page 108.

#### Prizes

(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 of prize books, and supplies the bookplates.)

ALUMNI PRIZE FOR COMPOSITION AND ORATORY.—A prize of \$50.00 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. The competition for this prize is administered by the Department of English.

JOHN B. GARRETT PRIZES FOR SYSTEMATIC READING.—A first prize of \$50.00 and a second prize of \$25.00 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 a full college year.

Candidates for these prizes must register with the chairman of the department under whose supervision the work will be performed. The department

is responsible for guiding his work and reporting his achievement to the Committee on Fellowships and Prizes for final judgment. Either or both of these prizes may be omitted if, in the judgment of the Committee, the work does not justify an award.

Interested students should apply directly to a relevant department for information.

THE CLASS OF 1896 PRIZES IN LATIN AND MATHEMATICS.—Two prizes of \$10.00 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 in the departments concerned.

THE LYMAN BEECHER HALL PRIZE IN CHEMISTRY.—A prize of \$100.00 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 \$10.00 in books, is offered annually by the Class of 1902 to the Freshman whose work in Latin, in recitation and examinations combined, shall be the most satisfactory. At the discretion of the professor in charge of the Department, this prize may be omitted in any year.

THE DEPARTMENT PRIZES IN MATHEMATICS.—A first prize of \$30.00 and a second prize of \$20.00 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.

ELLISTON P. MORRIS AND ELIZABETH P. SMITH PEACE PRIZES.—These have been combined for the year 1955-56 into a single competition offering three awards of \$200.00, \$100.00 and \$50.00 respectively. It is open to all undergraduates and to graduate students.

The prizes are awarded for the best essays bearing on the general topic of "Means of Achieving International Peace." Essays should be deposited with the Registrar before May 1. The judges shall be appointed by the President of the College.

Prizes will not be awarded if, in the opinion of the judges, a sufficiently high standard of merit has not been attained.

PRIZES IN PHILOSOPHY AND BIBLICAL LITERATURE.—A prize of \$40.00 and a second prize of \$25.00, in books, are offered annually to any student who, in the judgment of the professor in charge, does the most satisfactory outside reading in Philosophy in connection with the courses in that Department.

A prize of \$40.00 and a second prize of \$25.00, in books, are offered annually to any student who, in the judgment of the professor in charge, does the most satisfactory reading on the Bible and related subjects.

THE SCHOLARSHIP IMPROVEMENT PRIZES.—A first prize of \$50.00 and a second prize of \$45.00 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 \$15.00 and a second prize of \$10.00 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. These prizes are administered by the Department of English.

THE FOUNDERS CLUB PRIZE.—A prize of \$25.00 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 \$100.00 is offered annually for competition in the Department of History under the following general provisions:

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

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

Third—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.

### 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 with the approval of a member of the Department of History.

Essays should be typewritten and deposited with the Registrar before May 1.

THE NEWTON PRIZE IN ENGLISH LITERATURE.—A prize of \$50.00 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 \$50.00 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." This prize is administered by the Department of English.

THE GEORGE PEIRCE PRIZE IN CHEMISTRY OR MATHEMATICS.—A prize of \$50.00 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 offerd, however, exclusively for students who have expressed the intention of engaging in research.

THE STUDENT ORGANIZATION PRIZE.—Classmates of Edmund Jennings Lee, 1942, who lost his life in the service of his country, have established in his memory a fund, the income from which is to be given annually to that student organization which, in the opinion of a committee of judges, has contributed most toward advancing the interests of the College.

THE THERESA HELBURN PLAYWRITING AWARD.—These awards, open to all students of Bryn Mawr College, are given by Theresa Helburn to encourage playwriting. The prize consists of \$50.00 for the best one-act play and \$100.00 for the best full-length play submitted each year and considered worthy. Original work is required; adaptations, translations and collaborations are not eligible. Haverford students in playwriting may submit manuscripts for these awards.

#### 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:* Irvin C. Poley, '12; *Vice President:* Howard Comfort, '24; *Secretary:* Harry W. Pfund, '22; *Treasurer:* Holland Hunter, '43.

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-curicular activities. Undergraduate elections are usually limited to the Junior and Senior classes. *President:* Robert P. Roche, '46; *Secretary:* Robert B. Greer, III, '56.

#### Honors

Honors are of two kinds: *Honorable Mention* in a single course and *Final Honors* for work in the major department.

Honorable Mention in a single year course will be awarded at the end of the Freshman or Sophomore year for acceptable work in that course and additional work in the total amount of not less than seventy-five hours. Candidates for Honorable Mention must obtain a minimum grade of 85 in the regular work of the course and may be required to pass an examination on the additional work. Two courses of one semester each in the same department may be construed as a single course.

A student 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 succeeding year.

Final Honors are designed to provide stimulation for capable students to undertake and carry through academic work of high quality. The Faculty has agreed that three indications of such high quality work on the student's part are: first, a broad and thorough understanding of his major field; second, within the range of his honors work a knowledge more profound than would normally be expected; and third, understanding of the relationship of his major field to other areas of human experience.

A student who is considered by his major department to have the ability to become an honors candidate is invited to do so and is informed of the nature of the honors work expected as early in the course of his major work as is convenient. Although the nature of honors work varies from department to department, some work outside of the regular course work in the department, preferably along lines of the student's particular interest, may be required. The honors candidate may gain some time for this extra work by devoting one or more project courses to it in his Senior year.

Three grades of Final Honors are awarded: *Honors, High Honors,* and *Highest Honors. Honors* are awarded at the discretion of the major department to honors candidates who meet the qualifications and may, under exceptional circumstances, be awarded to students who have done excellent departmental work even though they have not undertaken honors work as such.

High Honors and Highest Honors are awarded by the Faculty. Candidates for honors whose work has been outstanding are invited by the department to take a public oral examination, conducted by an examination committee under the chairmanship of the major supervisor and including at least two examiners from fields other than the candidate's major. If this committee so recommends, the Faculty may award High or Highest Honors. In general, Highest Honors are reserved for students who have demonstrated both breadth and depth of scholarship.

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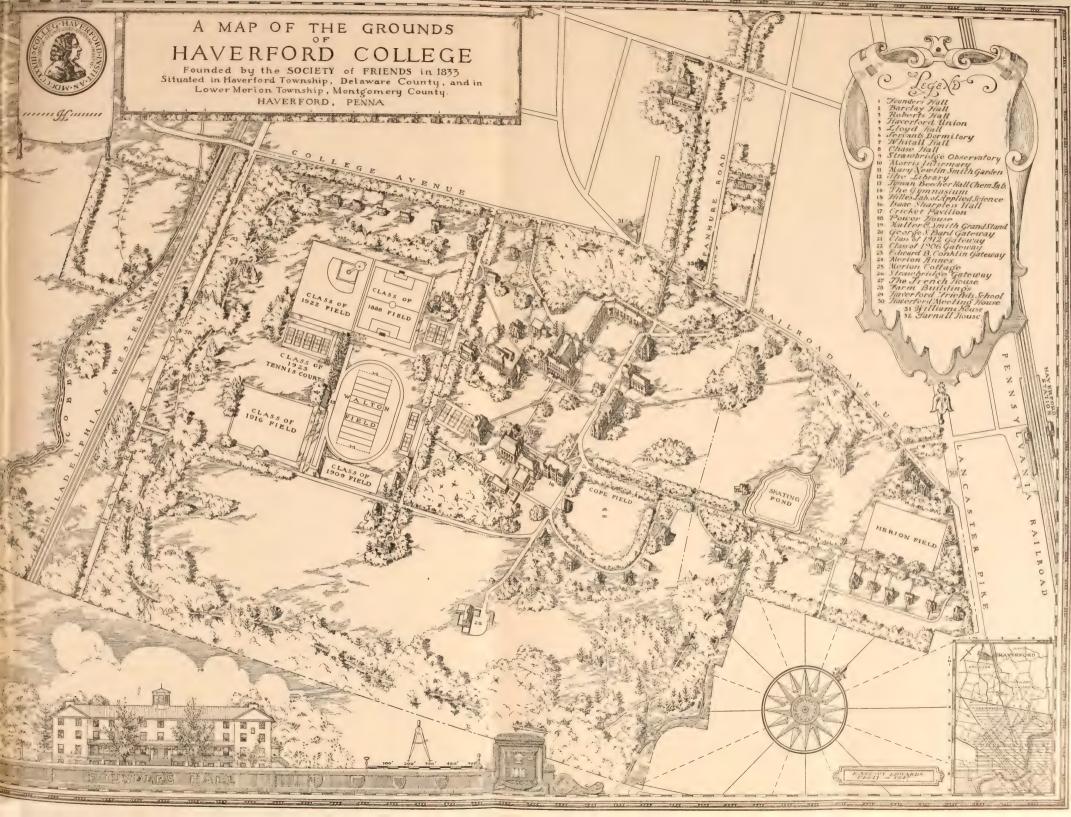
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# Haverford College Bulletin



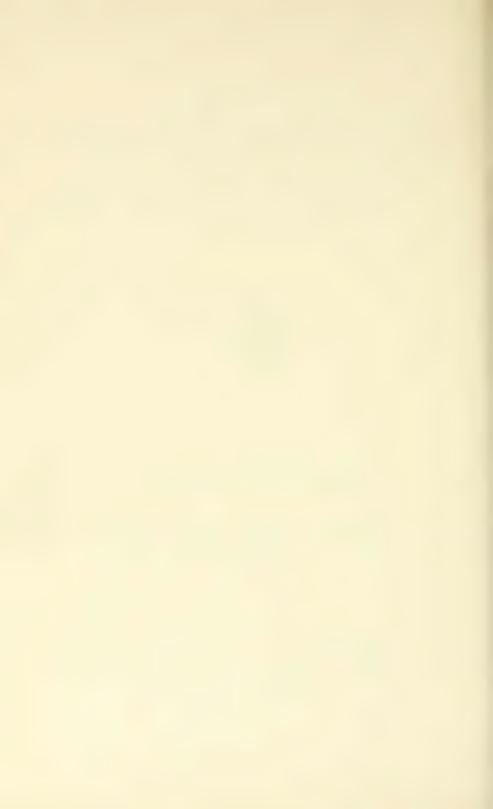
# THIS ISSUE CONTAINS THE REPORT OF THE PRESIDENT

AND THE

REPORT OF THE TREASURER AND COMPTROLLER
1954 - 1955

VOLUME LIV

NUMBER TWO



# CORPORATION OF HAVERFORD COLLEGE OFFICERS, MANAGERS, AND COMMITTEES

The Officers of the Corporation, Managers for the term expiring in 1958, and the Members of the Standing Nominating Committee of the Corporation for the term expiring in 1958, as given below, were elected at the Annual Meeting of the Corporation on Tenth Month 18th, 1955. The Members of the Standing Committees of the Board, and the Secretary of the Board, were appointed at a meeting of the Board on the same date.

| President of the Corporation and Chairman of the Board of Managers         |
|--|
| S. Emlen Stokes  |
| 2. Zamou 2. Store 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.                   |
| President of the College Gilbert F. White                                  |
|  |
| Vice-President of the College Archibald MacIntosh                          |
| Treasurer  |
| Wm. Morris Maier 1000 Provident Trust Bldg., Phila. 3, Pa.                 |
| Secretary of the Corporation   |
| John F. Gummere  |
|  |
| BOARD OF MANAGERS  |
| Term Expires 1956  |
| M. Albert Linton   |
| Edward Woolman   |
| Thomas W. Elkinton Public Ledger Bldg., Independence Square, Phila. 6, Pa. |
| Henry C. Evans   |
| Garrett S. Hoag  |
| Dr. Jonathan E. Rhoads   |
| *James M. Houston  |
| Thomas B. Harvey   |
| Geoffroy Billo   |
| Term Expires 1957  |
| Charles J. Rhoads  |
| Edward W. Evans  |
| William A. Battey  |
| Dr. Frederic C. Sharpless Haverford College, Haverford, Pa.                |
| John A. Silver Apple Hill Farm, Pipersville, Bucks Co., Pa.                |
| H. Justice Williams  |
| *Theodore Whittelsey, Jr   |
| *Donald E. Wilbur  |
| Stephen G. Cary  |

<sup>\*</sup>Alumni Representative Manager

| Term Expires 1958 | Term | Expir | es 19 | 58 |
|-------------------|------|-------|-------|----|
|-------------------|------|-------|-------|----|

| 1 erm Expires 1938   |
|--|
| Frederick H. Strawbridge   |
| Jonathan M. Steere   |
| Stanley R. Yarnall   |
| Dr. Henry M. Thomas, Jr  |
| Alexander C. Wood, Jr No.48 The Bourse, 4th & Chestnut Sts., Phila. 6, Pa.     |
| Harold Evans   |
| Russell W. Richie  |
| Dr. Joseph Stokes, Jr Children's Hospital, 1740 Bainbridge St., Phila. 46, Pa. |
| *John S. Williams 20 W. Chestnut Hill Ave., Phila. 18, Pa.                     |
|  |
| Connectant of the Posted   |

## Secretary of the Board

Wm. Nelson West 3rd. . . . . . . . . . . . . 1600 Three Penn Center Plaza, Phila. 2, Pa.

# FACULTY REPRESENTATIVES ON BOARD OF MANAGERS

#### Term Expires 1956

# Term Expires 1957

H. Field Haviland. . . . . . . . . . . . . . . . . . Haverford College, Haverford, Pa.

#### Alternates

# MEMBERS OF THE STANDING NOMINATING COMMITTEE of

# THE CORPORATION Term Expires 1956

Alexander C. Wood, Jr. . . . . . No.48 The Bourse, 4th & Chestnut Sts., Phila. 6, Pa. William Y. Hare. . . . . . . . . . Philadelphia National Bank Bldg., Phila. 7, Pa. Roger Scattergood. . . . . . . . . . . . . . . . . . Provident Trust Bldg., Phila. 3, Pa.

#### Term Expires 1957

| J. Barclay Jones                      | ad, Radnor, Pa.   |
|---------------------------------------|-------------------|
| Russell W. Richie                     | t., Phila. 7, Pa. |
| Thomas W. Elkinton Public Ledger Bldg | g., Phila. 6, Pa. |

#### Term Expires 1958

| Dr. Frederic C. Sharpless | Haverford College, Haverford, Pa.   |
|---------------------------|-------------------------------------|
| William S. Lane           | Penn Charter School, Phila. 44, Pa. |
| J. Morris Evans           | 623 Mulford Road, Wyncote, Pa.      |

<sup>\*</sup>Alumni Representative Manager

# COMMITTEE TO NOMINATE THREE MEMBERS OF STANDING NOMINATING COMMITTEE

| Richard R. Wood, Convenor Riverton Rd., RFD Riverton, N.J. |
|--|
| C. W. Ufford   |
| Maurice A. Webster, Jr                                     |
| John Evans Forsythe  |
| Robert C. Smith  |

# STANDING COMMITTEES OF THE BOARD OF MANAGERS OF THE CORPORATION OF HAVERFORD COLLEGE appointed Tenth Month 18, 1955

#### **Executive Committee**

Dr. S. Emlen Stokes, Chairman Jonathan M. Steere Alexander C. Wood, Jr. Dr. Frederic C. Sharpless Edward W. Evans John F. Gummere Dr. Jonathan E. Rhoads Wm. Morris Maier Thomas B. Harvey Thomas W. Elkinton Theodore Whittelsey, Jr. M. Albert Linton

Wm. Nelson West 3rd. Secretary

# Committee on Finance and Investment

Jonathan M. Steere, Chairman Alexander C. Wood, Jr. M. Albert Linton

Thomas B. Harvey

Wm. Morris Maier Harold Evans Russell W. Richie

#### Committee on College Property

Donald E. Wilbur, Chairman William A. Battey Edward Woolman Henry C. Evans

John S. Williams

Thomas W. Elkinton John A. Silver James M. Houston Geoffroy Billo

#### Committee on Honorary Degrees

Stanley R. Yarnall, Chairman Dr. Henry M. Thomas, Jr. Harold Evans Stephen G. Cary Garrett S. Hoag Dr. Joseph Stokes, Jr. H. Justice Williams H. Field Haviland

Secretary of the Board Wm. Nelson West 3rd

COUNSEL
MaCoy, Evans & Lewis
1000 Provident Trust Bldg., Phila. 3, Pa.

# ADMINISTRATION

| GILBERT FOWLER WHITE   |
|--|
| ARCHIBALD MacINTOSH Vice-President and Director of Admissions A.B., Haverford College; A.M., Columbia University; Ph.D., University of Pennsylvania. |
| * LESTER CORNERIUS HAWORTH   |
| WILLIAM EDWARD CADBURY, JR   |
| MRS. EDYTHA M. CARR  |
| ALDO CASELLI   |
| JOHN ASHBY LESTER, JR  |
| THOMAS EDWARD DRAKE  |
| HENRY DENNIS CORNMAN, III  |
| MABEL SYLVIA BEARD   |
| LOUIS CRAIG GREEN Director of the Strawbridge Memorial Observatory A.B., A.M. and Ph.D., Princeton University.                                       |
| MRS. MIRIAM R. NUGENT  |
| BENNETT SMEDLEY COOPER Alumni Secretary and Assistant to the President S.B., Haverford College.  |
| GERTRUDE MANN WONSON   |
| MRS. ALICE M. BERRY  |
| MRS. MARIS M. OGDEN  |

<sup>\*</sup> Deceased.

# REPORT OF THE PRESIDENT

presented at the
Annual Meeting of the Corporation
of Haverford College

October 18, 1955

THE NEW buildings which have taken form on the Haverford Lawn have been the most conspicuous change in the College during the past year. But they do not represent a change in basic aims or methods. Rather, in their design and location they partially mirror educational policy which is deep in the history and thinking of this Quaker institution. There also have been changes in the personnel of the College during the year, there have been significant improvements in finances, and a strengthening of the academic program. In all these changes, and particularly in the buildings, we may see the direction which the College continues to take.

# THE NEW BUILDINGS

It is notable that the new buildings are designed with a view to maintaining in simple and comfortable fashion the number of students currently enrolled. For the reasons set forth in the annual report last year Haverford is holding to a goal of an average enrollment of 450 undergraduates each year. The new dormitory was designed with this in view, the field house likewise contemplated no increase in enrollment, and the refurbishing of College buildings served to improve the existing plant without major readjustments.

Thus, the building program strengthens the College at its present size and does not provide latitude for further expansion.

The new dormitory does not include any provision for resident faculty or student supervision. As in past, it is expected that students through the medium of their Students' Association, will carry the major responsibility for governing themselves. They set the regulations for their

conduct in the dormitories, and they administer the regulations. The layout of the interior of the building is designed to cultivate a quality of student life in which there is a good deal of sharing of activity and in which the day-by-day work centers on the small, intimate living rooms rather than on big common rooms or around dormitory corridors. This is as it must be if the heavy reliance which the Haverford Students' Association places upon its members under the honor system is to be warranted.

A large sector of the building funds is devoted to the construction of a field house. Haverford already has an excellent set of outdoor athletic facilities. The new field house will, in the spring of 1956, provide a suitable place for sports in times of inclement weather. It will supplement rather than replace the existing gymnasium, and will use the locker facilities in that building. Significantly, when the Board of Managers last spring was confronted with the decision of how best to allocate the available funds in the face of rapidly enlarged estimates of the cost of the field house, it decided to go ahead with the shell of the building and with the necessary facilities for intramural and practice activities and to cut out, in the interests of economy, those parts of the building which would provide essentially for the accommodation of spectators. Haverford athletics are not planned or carried out primarily for the spectator; they are planned for the welfare of the individual student whether he takes part in intercollegiate, intramural or physical education work.

Thus, the College recognizes again its concern for the development of young men outside of the intellectual and aesthetic qualities that may be cultivated in part in the classroom. The field house becomes an important part of the campus just as the playing fields and the Meeting House have been for many years. Haverford's continued insistence upon student participation in a weekly period of worship is consistent with its continued insistence upon student participation in games and in student shouldering of heavy burdens of management of its own enterprises. All of this assumes that the quality of individual action in later years is a complex of habits which can be encouraged in an environment that strengthens perception of belief and values and tenses the muscles of decision.

In all of these ways the new buildings advance the College a little further in its effort to provide a genuinely liberal education in the Quaker tradition. It would be a mistake, however, to suggest that the College does so fully at present or that it has any early prospect of doing so. It falls short of being genuinely liberal or genuinely Quaker in a good many respects. These shortcomings are less in name than in act, and more subtle than obvious, but taken together they cannot but make us humble as we consider the potentialities in a college of this character given its assets of people, of tradition, of physical plant, and of wealth.

# FACULTY

# THE YEAR IN REVIEW

Last June two valued members of the Haverford faculty reached the retirement age. John Kelly, who came to the College in the Department of German in 1920, has been ever since that time an inspiring interpreter of German literature and German music. Students have found in him not only a devoted teacher of the language but a sensitive interpreter of the culture of a people. Edward Snyder, as a member of the Department of English since 1915 and as chairman of that department for many years, has been an energetic member of the faculty in shaping policies and teaching methods. He has introduced a large proportion of the Haverfordians over that period to an understanding of poetry and the drama, and through his reading, his scholarship, and his teaching has given stimulation and enjoyment. Both of these men will be missed in the active faculty but each will continue to offer some instruction in his special field of interest.

Mabel Beard also retired during the course of the summer, bringing to a close 34 years of active service as nurse in the Morris Infirmary. There, many generations of Haverfordians came to know and respect her for her kindly and always competent interest in their welfare. Her interests were broader than the Infirmary, and the whole community benefited from her friendship. She, too, will remain on the Haverford campus, living in Merion Hall.

There was no major expansion in faculty during the year, but there was a slight improvement in faculty compensation made possible by the readjustment in tuition charges. In accordance with the desires of the faculty this increase in compensation — a modest amount — was set aside for use in providing special benefits on a plan which has not yet been developed in detail. Probably it will include insurance against catastrophic medical expenses and it may include some form of clinical medical care.

In any event, it is designed to assist further in guarding the faculty against the economic hazards of contemporary life. It should be supplemented as soon as possible with salary increases which would adjust the salaries to changes in costs over the past fifteen years. The College has made considerable progress in that direction but it is still short of keeping up with the cost of living.

New members of the faculty in the current year are Morton Baratz in the Department of Economics, Jonathan Bennett in the Department of Philosophy, Max Bluestone in the Department of English, Robert Butman on joint appointment with Bryn Mawr College in the Department of English, Robert Enggass on joint appointment with Bryn Mawr College in the Department of History of Art, and Michael Shaw in the Department of French. Richard Andree is serving as Visiting Associate Professor of Mathematics in place of Cletus Oakley, and F. Bradshaw Wood is serving as Visiting Professor of Astronomy in place of Louis Green. Because of the illness of Emmett Dunn, Percy Baker and I. H. Bhatti are serving as replacements in the Department of Biology.

On leave during the year were T. O. Jones, John A. Kelly, Harry W. Pfund, Ira deA. Reid, William A. Reitzel, John P. Roche, Ralph M. Sargent, and Douglas V. Steere. During the current year John Ashmead is serving as visiting lecturer at the University of Osaka on a Fulbright Fellowship, Howard Comfort is taking the second semester in order to carry on research at the Institute for Advanced Study, Louis Green is carrying on studies of interstellar space on a Guggenheim Fellowship, Theodore Hetzel is working on engineering problems, Holland Hunter is engaged in research at the Harvard center for Russian studies, Cletus Oakley, with the assistance of a grant from the Carnegie Corporation, is experimenting with new offerings in sophomore mathematics, Frank Parker is carrying on studies in literature and philosophy, H. M. Somers is at the London School of Economics on a Fulbright Fellowship, Richard Sutton is serving as Hill Visiting Professor at Gustavus Adolphus College in Minnesota, and Laurence Wylie has a Faculty Fellowship for investigation of relations between social science and language instruction.

#### **STUDENTS**

Again, the number of students has been held at the figure necessary to maintain an average of approximately 450 undergraduates for the

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year. The number of graduate students has declined as the College has become more strict in its requirements of technical facility for admission to the graduate school and as it has felt it must restrict the scope of its graduate program in Social and Technical Assistance until it has a clearer idea of the future utility of that program.

Once again grants for scholarships have increased, so that with more than 36% of the students receiving scholarships, the average amount of aid is \$400.

One distinguishing feature of the year was the increase of interest on the part of students in the academic program of the College. One student group, the Education Committee, made an elaborate investigation of the ways in which students use their time, trying to find out how much foundation there is for the frequent student complaint that they are overloaded and are forced to divide their interest among an unduly large number of subjects. Another group, the Curriculum Committee, gave its attention to the whole problem of grading in the College and submitted an extensive report which is being studied by a faculty group.

In these and other ways students worked closely with faculty on problems of common interest in the management of the College. Advisory committees on Collection speakers, on dining room operation, and on student activities now are a normal part of the College routine.

#### PLANT

After a good many years of effort to catch up on repair and maintenance of the physical plant, the College is at a stage where it can expect to keep all of the College buildings in relatively good order by a regular program of painting and mechanical repairs. Thus, during the year, Sharpless Hall was thoroughly renovated, and the painting of many of the buildings facing on the Lawn was carried out on schedule. Some roads were resurfaced. The Union lounge was refurnished with a gift from the Class of 1955. The new Founders Room in Founders Hall was fitted out with decorations illustrating the first fifty years in Haverford history.

With the vacation by students of Merion Hall and Merion Annex in order to occupy Leeds Hall, it became possible to devote those two buildings to faculty apartments. The work now is well under way, and it is expected that the project will be a self-liquidating investment for which College funds will be used. Under the current plans the two buildings are being joined together so as to form one single structure of twelve apartments. Some of these apartments will be especially suitable for retired members of the faculty who will be giving up larger quarters on the campus at the time of retirement. Three units will be reserved each year for new arrivals on the faculty, preference for these units being in reverse order of seniority in contrast to the seniority rule which applies to other housing space on the campus. With completion of the new Merion Hall, Haverford will be able to take care of all but five or six members of the faculty now living off the campus who would like to occupy campus quarters. During the year attention was given to construction of three small single-family dwelling units, but possible building delays and the difficulties of finding a suitable design prevented us from undertaking the project during the year.

# **FINANCES**

The College finished the year with a small operating surplus which, added to previous surpluses, gives it a modest reserve fund as a protection against fluctuations in future. It was fortunate in having some unusually large dividends and back payments on securities during the year, and in order to prevent possible deficit in the current year it decided to increase the tuition to a total of \$750 beginning in 1955-56. The total charges for board, room, tuition and unit fee at the College now are \$1,555.

The completion of the new dormitory made it possible for the College to place all of the rooms on a single fee of \$250 for the year. This eliminates the old distinctions according to cost and provides for a great deal more flexibility in allocation of space among students under rules laid down by the Students' Association.

With the end of the Building Program in sight, thought was given to the terms on which other phases of development would be continued in the annual giving program. It seems clear that this will involve appeal to parents and other friends of the College as well as alumni, and is scheduled to begin in the spring of 1956.

# DEVELOPMENT PROGRAM

Construction of the new dormitory was initiated and completed during the year. A contract was awarded to the Frank H. Wilson Com-

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pany and under the expert guidance of the firm of George Ewing a new building accommodating 52 students took shape. This now is occupied most happily by Haverford students and sets some new standards for comfort and elbow room on the campus.

The building was named by the Board of Managers in honor of Morris E. Leeds, for many years a member of the Board and Chairman of the Board, whose contributions in a wide variety of ways have strengthened the College since he entered it as a member of the Class of 1888. (See Special Memorial Bulletin Vol. LI, July 1952.)

The construction of the dormitory required subsidiary changes in campus facilities. The tennis courts were relocated to a new area adjoining the present courts, the service entrance for the Chemistry laboratory was relocated, roads to and from the power house were relocated, and substantial changes were made in paths and in the water, light and heat utilities.

In June, with more than \$850,000 in hand or pledged for the Building Program, the Board of Managers decided to proceed with the construction of the field house, omitting the balcony and the spectator facilities which had been included in the original plans. The contract was awarded to the McCloskey Company and construction began in the summer. Completion is expected some time during the spring of 1956.

It became necessary to relocate all of the facilities in the area to be occupied by the new field house and this involved building a new service area for the College mechanical equipment in the area adjoining the power house behind Sharpless Hall. In order to start this work, the students and faculty of the College turned out 400-strong for a Campus Day last April and cleared the ground for the beginning of the construction operations. Quite aside from their physical work they gave the whole program a strong impetus.

During the summer the sleeping quarters for students in Founders Hall were completely renovated and the roof of the gymnasium was repaired.

The College was the beneficiary of another large gift of plants from Hiram Rickert, a devoted friend of the College. These plants, some of which already grace the Lawn in front of Sharpless, Barclay and Founders, are now being installed in the area near the Chemistry laboratory and Leeds Hall. Thanks to the foresight and interest of this friend, the landscape aspects of the College are being improved in an important fashion.

At the present time the Building Program is short \$64,000 of the expressed goal of \$1,000,000. The actual expenditures under present commitments will be in the neighborhood of \$1,060,000, and it is anticipated that the excess, along with the guaranteed \$333,000 from Board funds, will come from endowment at the disposal of the Board. There has been searching review of whether or not a fourth entry of the dormitory to house 23 students should be constructed in the near future according to the original Building Program plans. This decision still is pending, and will hinge upon the availability of funds to go ahead with salary increases.

During the autumn it seems likely that the Development Committee will bring to an end its three years of remarkable labor in the interest of Haverford College. Jonathan Rhoads, John Williams, Francis Strawbridge, Frederic Sharpless, the late Earl Harrison, and Charles Perry have done an extraordinary job in moving the program along during the past year. The goal is now well in sight and there seems every prospect of completing the appeal by the end of the year. All Haverfordians should be grateful for the service of these men and their many associates across the country who together have built solid foundations for what is a momentous improvement in the physical plant of the College.

#### ACADEMIC PROGRAM

The year has been marked more by the consolidation of experience in a number of experimental measures than by any new major developments.

Under grants from the Carnegie Corporation significant new approaches have been made to teaching of freshman biology and sophomore mathematics. With the advice of a group of consultants from other institutions, Ariel Loewy has gone forward with a new basic course on the physical basis of life. Likewise, in consultation with interested mathematicians across the country, Cletus Oakley has experimented with a sophomore course which will pioneer in new forms of mathematics.

During the year the Carnegie program in support of the threecollege Russian instruction came to an end and the three colleges took

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necessary measures to continue its essential features both in teaching and in library facilities. Human Relations work also was consolidated into the regular budget. The graduate program in Social and Technical Assistance was reduced in scope so as to continue in 1955-56 on a more modest level of expenditure. One of the troublesome aspects of any new or experimental program is that of carrying it after the initial grant is exhausted: if it proves itself useful funds must be found either in the regular budget or from outside sources.

The Philips Visitors program continues to supplement in a fruitful way the regular faculty. As a result of experience during the first years of operation of the program, the visitors for the current year have been appointed chiefly with a view to including them in the operation of normal classes. Thus, one series of visitors is taking part in the advanced mathematics course, and another series is providing the basic lectures in a course in cellular physiology. We continue to feel a need for a visitors' program in the humanities which would supplement the Philips program, and have been much encouraged during the year by a donation from one friend of the College who is taking steps to set up such visitorships on a modest basis.

# A FINAL REPORT

This is the last report which I shall have the privilege of submitting to the Corporation.

The Board of Managers has been consistently understanding and helpful. The faculty has been intelligently dedicated to good teaching. The Students' Association has been responsible and cordially lively. The administrative staff has been competent and cooperative. Many alumni have given their strong support. For all these reasons, and others too, Anne and I have enjoyed living in the Haverford community. We are grateful for the days here, and on personal grounds we shall regret leaving.

It, nevertheless, has seemed clear to us that it would be wise to give my time to the field of work in which I have special interest and experience—teaching and research in geography. Indeed, I would have resigned several years ago had it not been for a commitment to the academic experiments and the Building Program which have been under way. Now the right time has arrived, and I find it possible to return to my alma mater, the University of Chicago.

I thank you for the privilege of being associated with you and others in this Friendly enterprise.

As I look to the future of Haverford College, I am inclined to feel that the issues that will be immediately pressing will not be ones of physical expansion or improvement. They are likely to turn largely on the problem of how the whole quality of the lives of students while at the College may be deepened and strengthened. We seem to lack not so much the facilities as the skill and the imagination to make use of our facilities in promoting maximum growth among the young men for whom the College exists. The atmosphere of the College is more important than anything else. This, at root, is nourished by the quality of the students and the faculty who are here. Having turned its attention for a time to improving the physical plant, Haverford must again center its activities where they always must be centered if the College is to remain healthy in the long run — on the faculty and students.

If I were to say in a few words what I feel to be points to emphasize in future in Haverford College they would be these: Keep it small; keep it Quaker; cultivate the inquiring mind; find good men with courage and integrity, and then back them.

Looking across a period of association with Haverford College which this group would consider relatively short, I find it difficult to think of Haverford in terms of buildings or academic programs or financial statistics. Essentially it is, in my mind, a procession of men. There are those who have helped shape this policy but no longer are here—Rufus Jones, Morris Leeds, Henry Scattergood, Stogdell Stokes, to name only a few. There are those who are here today and are devoted to its welfare. There are the youngsters who, having been members of the College for only a month, are allied with it for a lifetime. Together they form a procession—constantly dwindling and periodically replenished—who share in its responsibilities and grow with it and in it, and who as they achieve some of its aims join in fellowship with men everywhere who value the individual with the clear mind and the sensitive heart.

GILBERT F. WHITE

# STATISTICS FOR REPORT OF THE PRESIDENT

# 1954-1955

# **ENROLLMENT**

| Fall Semester, 1951             | 499  |
|---------------------------------|------|
| Spring Semester, 1952           | 480  |
| Fall Semester, 1952             | 493  |
| Spring Semester, 1953           | 489  |
| Fall Semester, 1953             | 479  |
| Spring Semester, 1954           | 468  |
| Fall Semester, 1954             | 472  |
| Spring Semester, 1955           | 451  |
| Fall Semester, 1955             | 465* |
| *Undergraduate Students 459     |      |
| Graduate and Special Students 6 |      |

# COMPOSITION OF THE STUDENT BODY FALL SEMESTER, 1955

The student body represents 34 states. The following foreign countries are represented: Bolivia, Cuba, Denmark, Egypt, Iran, Japan, Jordan, Lebanon, Liberia, Netherlands, Switzerland, Thailand, Venezuela.

Students who are members of the Society of Friends number 58, or 12 percent of the total.

## REGISTRATION IN ACADEMIC COURSES

| Department            | Registration * |      |      |      |      |            |      |      |      |
|-----------------------|----------------|------|------|------|------|------------|------|------|------|
|                       | 1955           | 1954 | 1953 | 1952 | 1951 | 1950       | 1949 | 1948 | 1947 |
| Astronomy             | 26             | 41   | 41   | 48   | 26   | <b>2</b> 3 | 19   | 16   | 18   |
| Biblical Literature . | 42             | 40   | 35   | 39   | 38   | 42         | 37   | 65   | 36   |
| Biology               | 141            | 95   | 42   | 35   | 54   | 36         | 64   | 48   | 56   |

<sup>\*</sup>Statistics show the course registrations for the Fall Semester of each year.

# REGISTRATION IN ACADEMIC COURSES—Continued

| Department                              | Registration * |         |        |        |        |        |         |        |       |
|---|----------------|---------|--------|--------|--------|--------|---------|--------|-------|
|   | 1955           | 1954    | 1953   | 1952   | 1951   | 1950   | 1949    | 1948   | 1947  |
| Chemistry                               | 184            | 199     | 206    | 190    | 169    | 177    | 162     | 187    | 232   |
| Economics                               | <b>12</b> 3    | 140     | 132    | 76     | 153    | 139    | 169     | 212    | 226   |
| Engineering                             | 31             | 24      | 32     | 33     | 34     | 37     | 50      | 44     | 39    |
| English                                 | 303            | 323     | 312    | 364    | 367    | 411    | 412     | 414    | 353   |
| French                                  | 128            | 119     | 106    | 102    | 91     | 94     | 99      | 86     | 120   |
| German                                  | 87             | 91      | 108    | 118    | 113    | 96     | 125     | 129    | 157   |
| Greek                                   | 23             | 22      | 14     | 27     | 44     | 31     | 25      | 34     | 46    |
| History                                 | 99             | 106     | 110    | 117    | 115    | 137    | 166     | 242    | 177   |
| History of Art                          | 36             | 39      | 38     | 30     | 26     | 15     | 15      | 24     |       |
| Latin                                   | 18             | 20      | 13     | 11     | 8      | 5      | 6       | 3      | 15    |
| Mathematics                             | 153            | 135     | 177    | 151    | 177    | 152    | 207     | 176    | 184   |
| Music                                   | 15             | 22      | 16     | 19     | 12     | 19     | 13      | 11     | 11    |
| Philosophy                              | 174            | 183     | 184    | 171    | 177    | 218    | 235     | 213    | 284   |
| Physics                                 | 97             | 80      | 68     | 83     | 51     | 77     | 57      | 98     | 76    |
| Political Science                       | 138            | 146     | 130    | 179    | 159    | 138    | 178     | 180    | 216   |
| Psychology                              | 102            | 92      | 123    | 108    | 118    | 137    | 108     | 174    | 93    |
| Russian                                 | 7              | 8       | 12     | 16     | 14     | 6      | 9       | 12     | 8     |
| Sociology                               | 65             | 69      | 77     | 51     | 66     | 49     | 95      | 107    | 108   |
| Spanish                                 | 50             | 48      | 51     | 54     | 54     | 58     | 57      | 70     | 100   |
| General Courses                         |                |         |        |        |        |        |         |        |       |
| Haverford 100                           | 11             | 13      | 12     |        |        | -      | _       |        |       |
| Humanities                              | 93             | 91      | 47     | 61     | 70     | 80     | 35      | 41     | 19    |
| Social Science                          | 126            | 132     | 141    | 146    | 122    | 149    | 114     | 52     | 0     |
| *Statistics show the c                  | ourse          | registr | ations | for th | he Fal | l Seme | ester o | f each | year. |
| SOCIAL AND TECHNICAL ASSISTANCE PROGRAM |                |         |        |        |        |        |         |        |       |
| Social Science 93 —                     | Orien          | itation | Sem    | inar   |        |        |         |        | 4     |
| Social Science 97 —                     | Resea          | rch P   | roject |        |        |        |         |        | 4     |
|   |                |         |        |        |        | Velfar |         |        |       |

TWELVE

| HAVERFORD STUDENTS AT BRYN MAWR           |
|---|
| Chemistry                                 |
| English 10                                |
| Geology                                   |
| German                                    |
| History 6                                 |
| History of Art 3                          |
| History of Religion 3                     |
| Italian 4                                 |
| Latin 1                                   |
| Mathematics 1                             |
| Music 3                                   |
| Political Science 1                       |
| Russian 3                                 |
| Spanish 3                                 |
| HAVERFORD STUDENTS AT SWARTHMORE  Spanish |
| UNIVERSITY OF PENNSYLVANIA                |
| Physics 1                                 |
| South Asia Regional Studies 1             |
| Zoology 1                                 |
| DEGREES GRANTED, June 3, 1955             |
| A.B                                       |
| S.B                                       |
| A.M 8                                     |
| S.M                                       |

# COLLEGE VISITORS

# 1954-1955

# Collection Speakers

Herbert Block, cartoonist, The Washington Post

William F. Buckley, Jr., writer

Abram Chasins, Musical Director, WQXR

Aaron Copland, composer

\*George Kennan, Institute for Advanced Study

Arthur Larson, Under Secretary of Labor

Thurgood Marshall, Director, National Association for Advancement of Colored People Legal Defense and Educational Fund

\*Nigel Nicolson, Member of Parliament

G. Bromley Oxnam, Bishop of the Methodist Church, Washington, D. C.

Erwin Panofsky, Institute for Advanced Study

\*André Philip, Delegate General to the European Movement for the Unification of Europe

\*John Phillips, Member of the House of Representatives from California

James H. Robinson, Secretary-Treasurer, National Scholarship Service and Fund for Negro Students

Arthur Schlesinger, Jr., historian, Harvard University

Aura E. Severinghaus, M.D., College of Physicians and Surgeons, Columbia University

Arthur Sinkler, President, Hamilton Watch Company

Courtney C. Smith, President, Swarthmore College

Sigmund Spaeth, music critic and writer

Edward Weeks, Editor, The Atlantic Monthly

Amos N. Wilder, Professor of New Testament Interpretation, Harvard University Divinity School

# Departmental Visitors

J. K. Adams, Assistant Professor of Psychology, Bryn Mawr College

Virendra Agarwala, World University Service, New York

Rev. George Anderson, Director, National Institute of Religion and Mental Health, St. Luke's Hospital

Ray Arvio, American Friends Service Committee

Willard W. Beatty, Perkins & Will, White Plains, N. Y.

Bernard Bechhoefer, Adviser on Disarmament, Department of State

\*Ludwig Biermann, Max Planck Institute for Physics, Gottingen, Germany Brand Blanshard, Professor of Philosophy, Yale University

Samuel S. Board, Economic Cooperation Administration, Washington, D. C.

\*Niels Bohr, Director, Institute for Theoretical Physics, Copenhagen

# FOURTEEN

\*Joza Brilej, Permanent Representative of the Federal Peoples Republic of Yugoslavia to the United Nations

Friedrich Bruns, Emeritus Professor of German Literature, University of Wisconsin

Henry Bugbee, Professor of Philosophy, Pennsylvania College for Women

Edmond Cahn, Professor of Law, New York University

Rhys Carpenter, Professor of Classical Archaeology, Bryn Mawr College E. Wallace Chadwick, lawyer, Chester, Pa.

John Ciardi, poet

\*John Collier, former U.S. Commissioner of Indian Affairs

\*Charles A. Coulson, Rouse Ball Professor of Mathematics, Oxford University Clifford C. Dancer, International Development Placement Association, Inc. Ramey Donovan, Chief Law Officer, Philadelphia Region, National Labor

Relations Board

William Ebenstein, Professor of Politics, Princeton University

Robert W. Fraker, Regional Representative, U. S. Department of Health, Education and Welfare

\*Francois Goguel, Executive of the French Consul de la Republique

Arthur Goldschmidt, Director, Programme Division, Technical Assistance Administration, United Nations

Charles Guensch, United Automobile Workers Union, CIO, Philadelphia

\*Douglas R. Hartree, Plummer Professor of Mathematical Physics, University of Cambridge

\*Paul G. Hoffman, Chairman of the Board, Studebaker-Packard Corporation August B. Hollingshead, Professor of Sociology, Yale University

\*James R. Innes, Chief Pathologist, U. S. Army Chemical Center, Edgewood, Md.

Philip C. Jessup, Columbia University Law School

Paul and Jean Johnson, American Friends Service Committee, Jordan

\*Fred Karush, Associate Professor of Medicine, University of Pennsylvania Henry H. Kessler, M.D., Kessler Rehabilitation Institute, West Orange, N. J.

\*Sir Muhammad Zafrulla Khan, Member, International Court of Justice, The Hague

Joseph Wood Krutch, author and critic

\*Frank C. Laubach, World Literacy and Christian Literature

David Longmaid, Director, Southeastern Pennsylvania Regional Planning Commission

Roy Macridis, Professor of Political Science, Northwestern University John McCoy, American Federation of Hosiery Workers, Philadelphia

\*Margaret Mead, Associate Curator of Ethnology, American Museum of Natural History

Robert B. Mitchell, Chairman, Department of City Planning, University of Pennsylvania

Warren D. Mullin, The Kiplinger Washington Agency

\*Francis D. Murnaghan, Emeritus Professor of Mathematics, Johns Hopkins University

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\*Gardner Murphy, Director of Research, Menninger Foundation Musa Nasir, Director, Junior College Bir Zeit, Jordan

\*Kali Prasad, Chairman, Department of Philosophy & Psychology, Lucknow University, India

William Rahill, lawyer, Philadelphia

Fred Reardon, M.D., pediatrician, Haverford

S. C. Roberts, Master of Pembroke College, Cambridge

R. F. Roehr, Esso Standard Oil Company

\*B. V. A. Roling, Professor of International Law, Groningen University, The Netherlands

Paul Rosenbaum, President, Paul Rosenbaum & Associates, Philadelphia Emory Ross, President, Phelps-Stokes Fund, New York City Floyd Schmoe, Houses for Korea, Inc., San Jose, California Hugh M. Shafer, School of Education, University of Pennsylvania George Tobias, Office of the Secretary, U. S. Department of Labor Alston and Beulah Waring, American Friends Service Committee, India \*William E. Warne, Director, U. S. Operations Mission to Brazil

Peter Weiss, International Development Placement Association, Inc.
John Witthoft, Pennsylvania Historical & Museum Commission
Mrs. George Woodbury, former staff member, International Labour Office
Henry Wriston, President, Brown University

Paul Yager, Commissioner, Mediation and Conciliation Service, Philadelphia

<sup>\*</sup>Philips Visitors

# REPORT OF THE LIBRARIAN

# 1954-1955

The past year has been one of continued growth of the Library collections and of close study of the Library's rôle in the intellectual life of the College. Developments worthy of particular mention in reviewing the year's work are in the areas of the book-collections themselves, in our relations with other Philadelphia-area libraries, and in the survey, now nearing completion, of the long-range needs of the Library.

# COLLECTIONS

Extensive purchases were made during 1954-1955 on Philips funds for back-runs of learned periodicals. Previous purchases on this fund have been few, pending a thorough search of publishers' remainder stocks for the items we have needed. Turning to the second-hand market in the past year, we were able to make very substantial progress toward the fine working collection of scholarly and scientific journals which William Philips envisioned for Haverford. The Journal of Biological Chemistry (1905-1951), Astronomischer Jahresbericht (1899-1942), History (1916-1953), Harvard Law Review (1935-1950), and the Bibliographie Géographique Internationale (1891-1946) are but a few of the back-runs which have been acquired during recent months. Many sets are still needed, and among them are some which will be difficult to find; yet the periodical collection is already of substantial proportions, a growing stimulus to study and research for both faculty and students at the College.

Two developments in the administration of the collections should be mentioned:

- The entire Physics Library, hitherto listed by author only in the Department's catalog, was catalogued by title and by subject during the past summer. The departmental libraries of Biology and Chemistry are now the only ones which lack title and subject cataloguing.
- 2. The rapidly growing International Documents Collection was reorganized, and given room for expansion by the removal of

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many United States Government serials from the first to the fifth floor of the stacks. Both of these changes will serve to make Library materials in these two collections more accessible for student use.

#### INTER-LIBRARY RELATIONS

The past two decades have seen a marked trend among Philadelphia libraries to work together more and more closely toward building up library resources in the Philadelphia area. The trend has been a highly beneficial one in every respect; in the absence of any one major, heavily endowed research library in Philadelphia for scholars in the liberal arts, close cooperation among the many college, research, and specialized libraries in the area is of the utmost importance. The cornerstone of such inter-library cooperation was laid in 1935 with the founding of the Union Library Catalogue.

The past year brought four evidences of inter-library cooperation which should be mentioned:

- 1. The number of books which we loaned to and borrowed from other libraries on Interlibrary Loan was greater than ever before.
- 2. Philadelphia libraries undertook their first cooperative purchase of a single work in subscribing to the Microprint Edition of early American publications which has been undertaken by the American Antiquarian Society. The Edition will provide a microprint copy of every existent book, pamphlet, and broadside printed in the United States from 1639 to 1800; and its cost (about \$750 per year for ten years) is such that no single Philadelphia library could easily have purchased the work alone.
- 3. The American Library Association, for their convention in Philadelphia in July, assembled a splendid exhibition of books and manuscripts illustrating the collective research resources of libraries in the Philadelphia area. The Philips Collection copy of the Foligno Dante was Haverford's contribution to the exhibit.
- 4. In connection with the current survey of long-range objectives in the development of the Library, we have had frequent occasion to consult the experience and practices of library administration

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in many nearby libraries. Members of our staff have visited specialized departments at the libraries of the University of Pennsylvania, Temple, Bryn Mawr and Swarthmore. The results of these visits, both in closer association with neighboring libraries and in suggested ways of improving our library services, have been most rewarding.

# SURVEY OF LONG-RANGE OBJECTIVES

The survey undertaken in the fall of 1953 by the Library Committee and the staff is nearing completion. Considerable thought has been given to the optimum size and scope of a library adequate to support and stimulate curricular study at Haverford, and to ways in which students can best be made aware of the resources for reference and research which the Library affords. Each department of the faculty has had a share in drawing this blueprint for the future development of the Library; the staff have given thought and analysis to ways of improving our Library techniques, and to ways of measuring the staff, skills, and equipment which will be needed proportionately as the "ideal Haverford Library" becomes a reality. When the question again arises, "What are Haverford's needs for books?" we will have an answer ready which has received the thoughtful consideration of the faculty and Library staff of the College.

There are some changes in staff to be reported as we start the year 1955-56, one problem of physical plant to be mentioned—and the pleasant duty of recording many gifts to the Library during the past year.

#### STAFF

Largely through generous grants from the Shoemaker Fund we have been able to go far in 1954-55 toward eliminating the back-log of uncatalogued Quaker materials which has long been on our agenda. Mrs. Charlene Hennessy was engaged for this work from October 1954 until May 1955, and Mrs. Mae Craig, who took over the cataloguing in June, will continue through the current year, by which time the job should be very nearly completed. In the permanent staff of the Library there has been only one change. Miss Fredericka Nolde left her position at the

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Circulation Desk in June and has gone on to teach at Abington Friends School this fall. Miss Martha Wilson, a graduate of Baldwin School and Smith College, has taken her place in the Library.

### PHYSICAL PLANT

There have been no significant improvements in the Library building in 1954-55 beyond the sealing of the wood floor in the Philips Wing. One very serious physical need must be reported: several leaks in the roof of the central section and South Wing of the Library have caused extensive water damage to books in recent months. The Library roof is in urgent need of repair.

# GIFTS RECEIVED

Gifts to the Library during the past year were many and generous, including volumes of value in different house libraries and the Philips Visitor Suites as well as ones added to collections in the main Library. The following, a very brief sampling of last year's gifts, may serve to show their range and interest:

From Aldo Caselli, the splendid two-volume atlas of the Italian Touring Club.

From Hanford M. Henderson, '40, the first illustrated quarto (1716) of Dryden's *Virgil*.

From John G. Herndon, 178 volumes in the fields of government and public finance.

From Mrs. Mark Long, 200 volumes, primarily on current affairs.

From the estate of Mrs. Howard Longstreth, 630 volumes in German and other literatures.

From College-mates of John H. Musser, '57, a set of works of contemporary drama in his memory.

From Alexander D. Sellers, '50, the 1618 edition of John Stow's Survay of London.

From Mrs. Allison Wesley, 8 volumes of contemporary literature and non-fiction.

From Mrs. Henry S. Williams, 112 volumes of American and English literature.

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From William C. Wilson, '54, 8 books on the philosophy of education.

From Mr. and Mrs. S. Campion Wood, a complete run of back issues of the magazine Life.

One further gift to the Library deserves separate mention. On March 6, 1955, there was held in the Library a celebration marking the centenary of the birth of one of Haverford's great teachers of an earlier day, Francis Barton Gummere. A student of F. B. Gummere's (John A. Lester, '96), a colleague (William W. Comfort, '94), and his son (Richard M. Gummere, '02) shared in a celebration which gave vivid, moving testimony of the inspiration which the glad teaching of one man has breathed into the tradition and heritage of our College. On this occasion Richard Gummere and Samuel J. Gummere, '07, presented to Haverford many photographs, notebooks, manuscripts and letters which had once belonged to their father. The materials form a valued addition to our Haverfordiana and autograph collections.

# GIFTS TO OTHER LIBRARIES

During the past year we donated 100 volumes from our Duplicate Collection to aid in expanding the newly-formed Levittown Public Library. Also, more reluctantly, but at the urgent request of the original donors, we parted with the manuscript of Albert Jay Nock's *Memoirs of a Superfluous Man*; it now resides, with a large collection of other Nock manuscripts, in the Library of Congress.

1954-55 has been a fruitful year, in exploring and developing the Library's rôle in Haverford academic life and in finding new friends of the Library in the Haverford community. I am indebted to the assistance and counsel of the Assistant Librarians, and to the good offices of the Library Associates, for their large share in making it so.

JOHN A. LESTER, JR.

# STATISTICS FOR REPORT OF THE LIBRARIAN

# 1954-1955

| Growth of Collections   |         |
|---|---------|
| Total number of volumes (as of August 31, 1955) Number of volumes added in 1954-1955: | 200,390 |
| By purchase 2,821   |         |
| By gift   |         |
| Government Depository   |         |
| Number of books discarded   |         |
| Circulation   |         |
| Faculty and staff borrowings  |         |
| Students  |         |
| Outside borrowers   |         |
| Total   | 28,744  |
| Books charged out to carrels  |         |
| Total   | 29,194  |
| Reserve Book Room   |         |
| Books put on reserve  | 3,856   |
| Reserve book circulation:   |         |
| Library use   |         |
| Overnight   |         |
| 1- and 3-day  |         |
| 1- and 2-week   |         |
| Total   | 25,741  |
| Interlibrary Loan, 6/11/54-6/11/55  |         |
| Borrowed  |         |
| Loaned  |         |
|   |         |

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# REPORT OF THE CURATOR OF THE QUAKER COLLECTION

# 1954-1955

Thirteen years ago the Quaker Collection of the Haverford College Library moved into its present quarters in the then new Treasure Room. For the first time Haverford's Quaker books and manuscripts, assembled from Roberts Hall, from the Quaker Alcove in the west wing of the old Library, and from the crowded shelves of the old stack, took shape in a tangible "Friends Library." In the years since 1942, as in the decades since Sewel's *History* and Fox's *Journal* received accession numbers 1 and 2 in the Haverford Library of 1833, the Quaker books have formed an integral element in the College Library as a whole, just as Quakerism has through the years been part of the essence of education at Haverford.

This year perhaps, rather than giving the usual resumé of books received and work done, it is time to look at the Quaker Collection's history and prospects, to evaluate its past services to the College, to the Society of Friends, and to scholarship, and to try to project something of its future.

Statistics alone provide an impressive picture of size and growth. Of the first seven books which came to the Library in 1833, the gift of Elizabeth Pearsall, six were Quaker books. When the Library moved out of its little room in Founders Hall in 1864 to "Alumni Hall," now the North Wing of the old Library, it contained altogether only a little more than 3000 volumes. Even in Rufus Jones's undergraduate days the whole College Library had fewer books than now make up the Quaker Collection alone. In 1919, just before Allen C. Thomas retired as Librarian, he had collected over 7000 Quaker volumes, and to these Professor Rayner W. Kelsey added many more. When the Treasure Room opened in 1942 we had 12,000 Quaker books. Now over 15,000 swell the shelves of the Treasure Room and its annexes. And these include only the books specifically classified as "Quaker," not the many volumes of Quaker interest — from John Gummere's Surveying, to Herbert Hoover's speeches and Isaac Sharpless' histories of Pennsylvania which, because the Quaker

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Collection and the Library are one, find themselves in appropriate places on the shelves of the Library proper.

In the Treasure Room itself we have more than 400 books relating to George Fox, 550 books by or about William Penn, 1600 seventeenth-century Quaker tracts in the William H. Jenks Collection, and hundreds more from other sources which illuminate the story of Quakerism. Rare books from the libraries of other Quaker collectors now grace our shelves, memorializing such names as Phineas and James Pemberton, Thomas Chalkley, Anthony Benezet, Moses Brown, Joseph John Gurney, J. Bevan Braithwaite, Charles Roberts, Amelia Mott Gummere, Francis R. Taylor, Francis J. Stokes, Walter C. Janney, and many others.

In terms of subject matter I suppose the Quaker "Journals" — spiritual autobiographies we should call them now — probably predominate. But the range of subject headings in the Quaker Collection is enormous, from "Associations" and "Almanacs," through "Inward Light," to "Women," "Worship," and the "Young Friends Movement."

Haverford has treasures from Penn's own library, books which Fox once owned, inscribed copies of Whittier's poems, and — the gift of a devoted former graduate student — the complete writings of Rufus Jones: fifty-seven volumes which he wrote himself; two hundred more to which he contributed; and hundreds of his periodical articles. Side by side with the Quaker books, and supplementing them, is Rufus Jones's outstanding collection of nearly 1100 books on Mysticism. The Treasure Room also houses, of course, the William P. Philips Collection of Renaissance classics, and the J. Rendel Harris Collection of Oriental Manuscripts. Our "Quaker Fiction" Collection, some 485 novels and stories in which Friends appear, is unique, and we have 361 volumes of Anti-Quakeriana.

To the Quaker books, printed minutes of Yearly Meetings the world over, and Quaker periodicals, we must add some 41,000 manuscripts of Quaker interest: parchment deeds to Pennsylvania land, signed and sealed by William Penn; letters and documents written by Fox, Woolman, Gurney, Hicks, Whittier, and the Quaker great and near-great; family collections of more than family interest, such as the Drinker Collection of letters of the Quaker Exiles to Virginia, and the Haddon-Estaugh-Hopkins Collection relating to early nineteenth-century New Jersey; and

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holograph journals of Friends ministers such as William Savery and Joseph Hoag. Most important in terms of sheer bulk, and perhaps at some future day in historical interest, are the manuscript archives of the American Friends Service Committee. Nor should we fail to mention our large collection of Haverfordiana — diaries, letters, and records relating to College life and College history through the decades. There are even some items of Quaker interest among the 20,000 pieces in the Charles Roberts Autograph Collection.

Haverford preserves all these books and documents for one purpose - that they may be of use to the College, to the community, to the Society of Friends, and to scholarship. The Quaker Collection provides reference and source material for College courses in various departments: Philosophy, History, Literature, Sociology, Political Science even Economics when the books are written by Quaker economists or show the Quaker point of view toward economic phenomena. The Collection is the major source for the course in the History and Philosophy of Quakerism which President Emeritus William W. Comfort gave for many years and which Henry J. Cadbury now teaches. People from Haverford Meeting and the Main Line community use the Quaker Collection too, and last year — a typical year — we had inquiries by mail from forty-nine persons from twenty states and three foreign countries. Every year scholars come here from this country and abroad to use the Quaker Collection themselves, thirty during the year 1954-55. Haverford, together with the Friends Historical Library at Swarthmore, provides the most important reference source of American Quakerism in the country, and has a collection second only to that in Friends House in London for Ouakerism everywhere.

From this library William Comfort wrote his biographical studies on William Penn; Rufus Jones, Isaac Sharpless, Amelia Gummere and Allen Thomas their historical studies of American Quakerism; and a steady stream of writers of monographs on subjects such as Quakers and slavery, Friends and Indians, Friends and Methodism, and the work of the American Friends Service Committee, have done their major research at Haverford. In 1950 Harry Emerson Fosdick worked here on his Rufus Jones Speaks to Our Time; currently Elizabeth Gray Vining is using our books and papers of Rufus Jones for a full-length biography of Haverford's great teacher and Quaker Leader.

If this is the Quaker Collection's past, what of the future? What may we expect to happen to the Collection in years to come, and how shall we care for it? Certainly we can expect growth. New Quaker books appear currently at the rate of about fifty to seventy-five titles a year; pamphlets to more than twice that number. Over seventy-five Quaker periodicals now come out regularly in this country and elsewhere. All these we must buy, catalogue, and make available for present users, and preserve for students in the future. Many old Quaker titles remain to be assembled, either in their costly original form or in inexpensive photostat or microfilm copies. Quaker families should especially remember Haverford when homes and libraries are broken up, and should see that all their Quaker books and letters of historical value are placed in the Quaker Collection. The Service Committee archives will also grow as the Committee finds new opportunities for putting the Quaker spirit into practice.

Our duty, therefore, is clear. We must keep and maintain the Quaker Collection as the core of Haverford's Quaker heritage. We must support it with donations of books and manuscripts, and with funds to maintain them. And we must, as need arises, expand the space devoted to Friends books and Quaker services at Haverford. Already we anticipate the need for an archives building comparable in size to the splendid quarters which we now have for Quaker books. In doing these things we shall serve Haverford as her staff and her sons have served the College in the past, and Haverford will continue to be a vital element in the Christian witness of the Society of Friends.

THOMAS E. DRAKE

# REPORT OF THE MORRIS INFIRMARY

# 1954-1955

# The report for the house patients is as follows:

| 1954-55  |    | 1953-54     |
|--|----|-------------|
| Patients admitted 87                           |    | 92          |
| Total time (days) 297                          |    | 262         |
| Diseases are classified as follows:            |    |             |
| Grippe and respiratory                         | 39 |             |
| Intestinal                                     | 14 |             |
| Joint conditions                               | 5  |             |
| Miscellaneous                                  | 29 |             |
| Total number of visits of dispensary patients: |    |             |
| Medical  |    | 2,616       |
| Surgical                                       |    | <b>6</b> 30 |
| Total2,828                                     |    | 3,246       |

WILLIAM W. LANDER, M.D.

# PUBLICATIONS AND ACTIVITIES OF THE FACULTY

# 1954-1955

# ASENSIO, MANUEL J.

Lectures: "Spain and its Culture," The Free Library of Philadelphia, Greater Olney Branch, sponsored by the World Affairs Council.

"La creación de una nueva figura literaria, Lazarillo de Tormes," The Spanish Honor Society, Philadelphia.

# BELL, PHILIP W.

Review: Thomas I. Cook and Malcom Moos, Power Through Purpose, New Leader, 38 No. 19 (May 9, 1955), 23-24.

Lectures: "America's Foreign Trade Policy and World Order," League of Women Voters, Haverford Township.

Lecturer, Salzburg Seminar in American Studies, Salzburg, Austria, January term. Acting Director, International Finance Section, Princeton University.

# BENFEY, O. THEODOR

Articles: "Science and Cooperation," Society for Social Responsibility in Science Newsletter, Nov. 1954, p. 1.

"Quaker Witness in our day," The Friend (London), (May 6 and 13, 1955). 113, 463, 485.

"The Importance of Jesus," The Friend (Phila.), (March 31, 1955). 128, 313.

Lectures: "3,5-Dinitrobenzoates and their l-Naphthylamine Addition Compounds, II, Prepn. from Alkyl Halides" American Chemical Society, New York.

"The University," Student Christian Movement, Eagles Mere Seminar.
Council and Newsletter editorial board, Society for Social Responsibility in Science.

#### BENHAM, THOMAS A.

Articles: "Science for the Blind," American Journal of Physics, March, 1955.
"Tracking Errors in Phonograph Systems," with Paul Craig, Radio and Television News, April, 1955.

"Travel Aid for the Blind," Radio-Electronics, October, 1955.

Lectures: "Research Aids for the Blind," 1954 Inter-Branch Conference, Penna. Assn. for the Blind, Berkshire Hotel, Reading, Pa.

"Science for the Blind," The Pennsylvania Conference of College Physics Teachers, Swarthmore College.

"An Aural Vacuum Tube Voltmeter," IRE Professional Group on Circuit

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Theory and the AIEE Electronics Discussion Group, Univ. of Penna.

"Reading Machines for the Blind," Chairman of Discussion Group, Blinded Veterans Assn., Rockefeller Inst., New York.

"Employing the Physically Handicapped in Industry," Noonday Club of Pennsylvania State Employment Service, Upper Darby.

### CADBURY, WILLIAM E., JR.

Articles: "The System Sodium Sulfate - Sodium Molybdate - Water," J. Phys. Chem., 59 (1955), 257-260.

Reviews: J. H. Mandelberg, Physical Chemistry Made Plain, J. Chem. Education, 30 (1955), 459.

Editorial work: Associate Editor, Journal of Chemical Education.

Lectures: Review of the Report: "Preparation for Medical Education in the Liberal Arts College," American Association for the Advancement of Science, Berkeley, California.

"Education in the Small College," Assembly, Washington College, Chestertown, Md.

Treasurer, American Conference of Academic Deans.

Member, Committee in Charge of Westtown School.

### CADBURY, HENRY J.

Books: The Book of Acts in History, London, A & C Black; New York, Harper & Brothers, 170 pp.

Second (revised) edition of W. C. Braithwaite, Beginnings of Quakerism, Cambridge (England), University Press, 607 pp.

Articles: "George Keith to Henry More," Journal of Friends' Historical Society, 46 (1954), 59-63.

"Fox's Openings," Friends' Quarterly, 9 (1955), 4-7.

"Friends and the Law," Friends Intelligencer, 112 (1955), 320-323.

"Our Theological Illiteracy," Friends Journal, 1 (1955), 6-7.

Reviews: Krister Stendahl, The School of St. Mathew, Harvard Divinity School Bulletin, No. 20 (1954-1955), 147-8.

Editorial work: "Briefer Notices" and "Research in Progress," departments in Bulletin of Friends Historical Association.

Lectures: "Cultural Strands in the Book of Acts," The Jackson Lectures (four),
Perkins School of Theology, Southern Methodist University, Dallas, Texas.
"The Application of Religion to Public Affairs," The Russell Lecture, Tufts
College, Medford, Mass.

Preaching Engagements: Bryn Mawr College, Easter Service; Wilmington College, Baccalaureate Service.

Chairman, American Friends Service Committee and its Board of Directors.

President, Friends Historical Association.

Member, Revised Standard Bible Committee.

Resident Lecturer, Pendle Hill.

Visiting Professor, Drew Theological Seminary (first semester).

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### CAMPBELL, JOHN D.

Reviews: Ferdinand Lundberg, The Treason of the People, New Leader, 37 No. 50 (December 13, 1954), 28.

Lecture: "Guideposts to Human Relations," Intercollegiate Conference on Human Relations, University of Pennsylvania.

Research Psychologist, National Institute on Mental Health, June-September, 1955.

### CARY, JOHN R.

Articles: "A Christian Figure: John Woolman," by Alfons Paquet (translation from the German), Friends Intelligencer, 112, No. 13 (March 26, 1955), 176-178.

Lectures: "Theodor Fontane: A Study in Ambivalence," University of Kentucky Foreign Language Conference.

Preaching Engagements: George School.

### COMFORT, HOWARD

Reviews: Schönberger, Führer durch das Römerkastell Saalburg and Saalburg Jahrbuch, X, XI, XII, Am. Journ. Archaeol., 58 (1954), 347-8.

Brogan, Roman Gaul, Am. Journ. Archaeol., 59 (1955), 188.

Fundberichte aus Oesterreich, IX, Am. Journ. Archaeol., 59 (1955), 188-9. Charleston, Roman Pottery, Craft Horizons, 15, no. 4 (July-Aug. 1955), 42.

Lectures: "Selling American Culture Abroad," Art Alliance, Phila., and Rotary Club, Conshohocken.

"Roman Pottery Excavated at Timna," Oriental Club of Philadelphia.

"Quakerism," Manhasset Meeting and Merion Meeting.

"Roman Ceramic Archaeology," Haverford College Faculty.

President, Classical Club of Philadelphia.

Chairman, Advisory Council, American Academy in Rome.

Director, American Philological Association and Carl Schurz Memorial Foundation. Member, National Selection Committee for Fulbright Awards to Greece (I.I.E.). Councillor, Archaeological Institute.

### DRAKE, THOMAS E.

Editorial Work: "A Poetical Tribute to John Woolman," Bulletin of Friends Historical Association, 43, No. 2 (Autumn, 1954), 100-101.

Member, Board of Directors, Friends Historical Association.

### DURLING, ROBERT M.

Articles: "The Bower of Bliss and Armida's Palace," Comparative Literature (Fall, 1954).

### FLIGHT, JOHN W.

Reviews: Charles M. Laymon, Life and Teachings of Jesus, in Journal of Bible and Religion, XXIII, No. 3, pp. 219-20.

THIRTY

Editorial Work: Editor, Monograph Series, Journal of Biblical Literature.

Preaching Engagement: Sermon at Fiftieth Anniversary of Bunker Hill, Congregational Church, Waterbury, Connecticut.

Delegate of Society of Biblical Literature and Exegesis to the American Council of Learned Societies.

Member of Council, Chairman of Committee on Research, and member of Committee on Seventy-fifth Anniversary, Society of Biblical Literature and Exegesis.

### FOSS, MARTIN

Lectures: "Robert Barclay's Apology," 10 weeks Seminar at Pendle Hill, January-March.

"Quaker Theology," Germantown Forum.

"Religious Thinkers," 8 Pendle Hill Lectures.

Preaching Engagement: Bryn Mawr College.

### FRIEDRICH, GERHARD G.

Articles: "A Note on Emerson's Parnassus," The New England Quarterly, 27 (September 1954), 397-399.

"Quäkerstern," Der Quäker, 28 (September 1954), 144.

"Autumnal," Nature Magazine, 47 (October 1954), 394.

"Bret Harte as a Source for James Joyce's 'The Dead'," Philological Quarterly, 33 (October 1954), 442-444.

"October and the World," The Educational Forum, 19 (November 1954), 64. Emerson's "Brahma," translated into German, Books Abroad, 29 (Winter 1955), 41.

"The Equation," The Christian Century, 71 (Dec. 22, 1954), 1545.

"African Landscape," Nature Magazine, 48 (March 1955), 120.

"The Age and her Poets," Phylon, 16 (First quarter, 1955), 64.

Explication of Emily Dickinson's "I Heard a Fly Buzz When I Died," The Explicator, 13, No. 6 (April 1955), 4-5, 7.

"Requiem," The Educational Forum, 19 (May 1955), 470.

"Washington Express," The Friend, 128 (Fifth month 12, 1955), 357.

"Vom Menschsein," The American-German Review, 21, No. 5 (June-July 1955), 17.

"Morning, Noon and Night," Friends Intelligencer, 112 (Sixth month 11, 1955), 338.

Identification of a MacLeish Passage, The New York Times Book Review, June 26, 1955, p. 23.

"Aubade," The Christian Century, 72 (June 29, 1955), 752.

Two Sonnets: "Commuters' Special; Canis Major," Approach, No. 16 (July 1955), 7.

"Inward Moment," Friends Journal, 1 (July 2, 1955), 7.

"Idyll in Depth," Friends Journal, 1 (July 9, 1955), 22.

"Day unto Day," The Christian Century, 72 (July 20, 1955), 839.

"Love Song," The Christian Century, 72 (August 17, 1955), 948.

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"August Moon," Saturday Review, 38, No. 35 (August 27, 1955), 16.

Reviews: Oskar Jancke, ed., Wellen und Ufer: Deutsche Gedichte seit 1900, Books Abroad, 29 (Spring 1955), 197.

Harold J. Blackham, The Human Tradition, Books Abroad (Summer 1955), 354.

Lectures: "The Influence of John Woolman on American Literature," John Woolman Memorial Association, Mount Holly, N. J.

Examiner in English Composition, School and College Study of Admission with Advanced Standing.

### GORDON, MILTON M.

Articles: "Social Class and American Intellectuals," American Association of University Professors Bulletin, 40 (Winter 1954-55), 517-28.
"Can Mortality Be Legislated?" (with John P. Roche), The New York Times

Magazine (May 22, 1955), 10, 42-49.

Reviews: Stewart G. Cole and Mildred Wiese Cole, Minorities and The American Promise: The Conflict of Principle and Practice, Annals of the American Academy of Political and Social Science, 297 (January 1955), 147-48.

Russell Lynes, The Tastemakers, The New Leader, 38 (Jan. 24, 1955), 26-27.

Lectures: "Contributions of Recent Social Science Research to Intergroup Relations," Staff of Commission on Human Relations, City of Philadelphia; "Subcultures in American Life," American Civilization Workshop, University of Pennsylvania; "The Ecological School and Social Class," American Sociological Society, Washington, D. C.; "What Kind of an America Do We Want?" Fellowship House, Philadelphia.

Consultant on Race Relations in the Girard College Case, City Solicitor's Office, Philadelphia.

### GREEN, LOUIS C.

Articles: "Analysis of the Three Parameter Wave Function of Hylleraas for the He I Ground State in Terms of Central Field Wave Functions," (with Marjorie M. Mulder, Paul C. Milner, Margaret N. Lewis, John W. Woll, Jr., Eleanor K. Kolchin, and David Mace), The Physical Review, 96 (October 15, 1954), 319-325.

"Computed Transition Probabilities for X-Ray Continua of Potassium," (with Margaret N. Lewis, Marjorie M. Mulder, Paul C. Milner, and Eleanor K. Kolchin), The Physical Review, 98 (May 15, 1955), 1020-1028.

"The Determination of Atomic Wave Functions," Proceedings of the National Science Foundation Conference on Stellar Atmospheres, 72-79.

- Reviews: Margaret N. Lewis, Oscillator Strengths of Ionizing Transitions, National Bureau of Standards Report 2457, American Journal of Physics, 22 (October 1954), 497.
- Lectures: "Some Attempts at Improving Atomic Wave Functions," Physics Colloquium, Brown University, and Physics Colloquium, University of Pennsylvania. "Some Comments on the Computations of Atomic Wave Functions," The Franklin Institute Symposium on Digital Computors for Astrophysical

THIRTY-TWO

Research. "The Role of Computation in Astronomy," Rittenhouse Astronomical Society, Philadelphia. "Atoms, Stars and Computing," The Skyscrapers, Providence. "Some Comments on Atomic Wave Functions Which Involve the Interlectron Distances Explicitly," (with Satoshi Matsushima, Barbara B. Baldwin, and Y. Wang), American Astronomical Society, Princeton.

Member, National Research Council Committee on Line Spectre of the Elements. Organizer (with C. W. Ufford), Conference on Theoretical Spectroscopy, University of Pennsylvania and Haverford.

Member, Sub-Commission on Intensity Tables of the International Astronomical Union.

### HAVILAND, H. FIELD, JR.

Articles: "Improving the (UN) Policy-making Processes," The Annals of the American Academy of Political and Social Science, 296 (November 1954), 106-110.

"The United Nations: Its Uses and Limitations," Naval War College Review (Summer 1955).

Editorial Work: Editor, International Organization.

Lectures: "Reflections on India's Foreign Policy," Philadelphia World Affairs Council forum; "U.S. Foreign Economic Policy," Chester YMCA adult discussion group; "The UN: Its Uses and Limitations," U.S. Naval War College; "The U.S. and the UN," Keneseth Israel Sisterhood; "Faculty Research in a Small College," Franklin and Marshall Chapter of the AAUP; "Major Issues of U.S. Foreign Policy," Young Executives Club, Philadelphia World Affairs Council; "Developments in International Organization," Radnor and Main Line Adult Schools; "Review of the UN Charter," Bryn Mawr Presbyterian Young Couples' Club; "The Randall Commission Report," Radnor Township League of Women Voters; "The UN in the East-West Struggle," Swarthmore College East-West Club; "Trusteeship and Colonialism," International Ladies' Garment Workers, Philadelphia; "Development of the General Assembly," Students' Model General Assembly, University of Pennsylvania; Comments on "Research in the Field of International Organization," American Political Science Association Convention.

Member, Board of Directors, and Chairman of Program Committee, Philadelphia World Affairs Council.

Member, Board of Directors and Chairman of Foreign Policy Committee, Americans for Democratic Action.

Member, Board of Directors of the Philadelphia Committee for a National Trade Policy.

Consultant to the Carnegie Endowment for International Peace, the Brookings Institution and Teachers College.

Dean, American Friends Service Committee International Student Seminar, Milton, Mass.

THIRTY-THREE]

### HERNDON, JOHN G.

Books: Robert Middleton, of Maryland, and Some of His Descendants, Wickersham Printing Company, Lancaster, Penna., Dec. 1954, pp. 104.

Articles: "Wiltbank Hazzard of Lewes, Delaware," Pennsylvania Genealogical Magazine, XIX (September 1954), 247-248.

### HETZEL, THEODORE B.

Lectures: "Quakerism and the American Friends Service Committee," Workcamp Orientation Conference, Santa Fe.

Member of the Board, Indian Rights Association.

Member of the Board, Westtown Alumni Association.

Member of the Council, Society for Social Responsibility in Science.

### HUNTER, HOLLAND

Books: Statistics of Transportation in the USSR. Washington: Council for Economic and Industry Research, 1955, 119 pp.

Articles: "Soviet Industrial Growth — The Early Plan Period," Journal of Economic History, 15 (1955), 281-87.
 "Soviet Railroads in World War II," National Defense Transportation Journal Company of the Comp

nal, II, No. 5 (Sept.-Oct. 1955), 52-58.

Reviews: Moore, Terror and Progress, USSR, and Friedrich, ed., Totalitarianism, The Friend, 128, No. 26 (Sixth Month 23, 1955), 405-7. Galenson, Labor Productivity in Soviet and American Industry, New Leader,

38, No. 31 (Aug. 1, 1955), 20.

Lectures: "Russia After Malenkov," Bryn Mawr Current Events Club, Bryn Mawr.
"Trade Issues in the Cold War," Friends' Peace Committee, Philadelphia.
"Soviet Freight Traffic and Industrial Growth," Soviet Economics Study Group, Washington, D. C.

### JAMES, ROBERT C.

Articles: "Combinatorial Topology of Surfaces," *Mathematics Magazine*, 29, No. 1 (Sept.-Oct. 1955), 1-39.

"Projections in the Space (m)," Bulletin of the American Mathematical

Society, 61, No. 1 (1955), 43-44.

Lectures: "Projections in the Space (m)," American Mathematical Society. "Projections in Banach Spaces," Mathematics Colloquium of the Univ. of Pennsylvania.

### LEMONICK, AARON

Articles: "Spins and Hyperfine Splittings of Ag<sup>111</sup> and Cu<sup>64</sup>," *Physical Review*, 95 (1954), 1356.

"Nuclear Spins and Hyperfine Separations of Au<sup>198</sup> and Au<sup>199</sup>," *Physical Review*, 99 (1955), 613.

[THIRTY-FOUR

Lectures: "Measurement of spins and magnetic dipole moment of Radioactive Nuclei; a new focussing atomic beam apparatus," New York University, Physics Colloquium; University of Penna. Physics Colloquium; Bryn Mawr College Physics Colloquium.

"Experiences with Cooperative Nuclear Emulsion Research," Conference on Cooperative Nuclear Emulsion Research, Depauw University.

Research Collaborator, Cosmotron Department, Brookhaven National Laboratory.

### LESTER, JOHN A., JR.

Articles: "The Library" and "The Evening Session," An Evaluation of Canisius College, Middle States Association of Colleges and Secondary Schools, March, 1955.

"The Library," Evaluation of the Proposed Graduate Program, Edinboro State Teachers College, Middle States Association of Colleges and Secondary School, April, 1955.

Lectures: "A Search for John Davidson," Library Associates, Haverford College. Vice-President, Philadelphia Chapter, Association of College and Reference Libraries.

### LUNT, WILLIAM E.

Reviews: Anthony Steel, The Receipt of the Exchequer 1377-1485, Speculum, April, 1955.

Dorothy Whitelock, English Historical Documents c. 500-1042, American Historical Review, 60 (July 1955).

Lectures: "Aspects of the Financial Relations of the Papacy with England, 1327-1534," Presidential address of the Mediaeval Academy, Toronto.

Overseer, Bowdoin College.

### MACCAFFREY, WALLACE T.

Reviews: Thomas L. Coonan, The Irish Condeferacy and the Puritan Revolution, American Historical Review, LX, 4, (July 1955), 948.

### MAGINTOSH, ARCHIBALD

Books: Haverford Admissions, A Handbook for Alumni. Haverford College, Haverford, Pa., 1954, 16 pp.

Articles: "Portal Creek Region, Canadian Rockies," American Alpine Journal, 9 (1955), 2.

"Portal Creek Area — The Trident Range," Canadian Alpine Journal, 38 (1955).

Lectures: "The Scholarship Problem," Aronimink Women's Club, Drexel Hill, Pa. Chairman, The College Entrance Examination Board.

Overseer, The William Penn Charter School.

Trustee, The Episcopal Academy.

THIRTY-FIVE

### MELDRUM, WILLIAM B.

Books: Quantitative Analysis, New York; D. C. Heath & Company, 470 pp. Articles: "Gram Equivalents," J. Chem. Educ., 32 (January 1955), 48-51.

Reviews: Walter J. Hamar, Electrochemical Constants, Journal Chem. Educ., 32 (July 1955), 388-389.

P. H. Hermans, Theoretical Organic Chemistry, Journal Franklin Institute, Vol. 260, pp. 246-247.

Editorial work: Assoc. Editor, J. Franklin Institute; Contributor, The Catalyst.

### OAKLEY, CLETUS O.

Books: Principles of Mathematics (with C. B. Allendoerfer), New York; McGraw Hill, 1955, 448 pp.

Articles: "Revolution in Mathematics," Journal of the Electrochemical Society, 101 (March 1955), 55c-56c.

Lectures: "A Modern Senior High School Course in Mathematics," Southern New England Mathematics Association, Torrington, Conn.; "Semi-Linear Equations," Pi Mu Epsilon, University of Pennsylvania, Philadelphia, Pa.; "Desirable Changes in the Mathematics Program in Colleges," The National Council of Teachers of Mathematics, Boston, Mass.; "Abstract Algebra at the Freshman College Level," Assn. of Teachers of Mathematics in New England, Middlebury College, Vt.; "Mathematical Training for Social Scientists," Joint Meeting, Mathematical Assn. of America, The Econometric Society, Univ. of Michigan.

Chairman, Mathematics Division, Amer. Soc. of Engineering Education.

Governor, Mathematical Association of America.

Participant, Conference on the Mathematical Training of Social Scientists, Social Science Research Council.

### PARKER, FRANCIS H.

Articles: "Comments on Paul Weiss' Theses on Real Possibility'," Review of Metaphysics, 8 (June 1955), 678-681.

Lectures: "A Demonstration of Realism in Epistemology," Fullerton Club, Bryn Mawr College.

"A Critique of Logical Positivism," American Catholic Phil. Association, Philadelphia Chapter, Chestnut Hill College.

Member, Discussion on "Recent Trends Toward Realism," American Catholic Phil. Association, Bellevue-Stratford Hotel, Phila.

### PFUND, HARRY W.

Articles: "Willa Cather's German Characters," American-German Review, XXI, No. 5 (June/July 1955), 9-12.

Reviews: Hans M. Wolff, Goethe in der Periode der Wahlverwandtschaften. Modern Language Notes, 69, No. 8 (December 1954), 613-616.

THIRTY-SIX

Sol Liptzin, The English Legend of Heinrich Heine, American-German Review, 21, No. 4 (April/May 1955), 33.

Associate Editor, American-German Review.

Coördinator and Co-Chairman, American-German Seminar on German Affairs, Amerika-Institut, University of Munich, Aug. 29-Sept. 2.

Vice-President, Carl Schurz Memorial Foundation.

Director and Chairman, Library Committee, German Society of Pennsylvania.

Member, Eoard of Overseers, Erstes Deutsches Reichswaisenhaus, Lahr, Black Forest, Germany.

### POST, L. ARNOLD

Articles: "The Loeb Classical Library in 1954," The Classical Weekly, 48, No. 14 (May 2, 1955), 186-187.

Editorial Work: Editor, Loeb Classical Library.

Lectures: "Aristotle's Poetics Today," Philadelphia Classical Club; "Women in Greek Literature," The Philadelphia Classical Society.

### REESE, WILLIAM H.

Lecture: "Heinrich Schütz," American Guild of Organists, Lehigh Valley Chapter, December 11, 1954.

President, College Music Association.

Co-Director, Cedar Crest College Music Workshop, Summer 1955.

### REID, IRA DEA.

Articles: "The Social Protest: Cue and Catharsis," *Phylon*, 16, No. 2 (Spring 1955), 141-149.

"Integration and Social Change," Social Problems, 2, No. 4 (April 1955), 198-201.

Reviews: Rose Hum Lee, The City, American Sociological Review, 20, No. 4 (August 1955), 495-496.

Program Research Report: "Program Evaluation of the Connecticut Commission on Civil Rights," Hartford, December, 1955, 47 pp.

Lectures: "Integration in American Education," Convocation, Beaver College; "Mr. Dooley and Mr. Simple-Social Protesters," Convocation, Pennsylvania College for Women; "Messiahs and Movements in the American Subculture," Culver Lecture, Brown University; "The American Family—1955," Workshop in Family Education, Temple Univ.; "Social Change, Social Relations, and Social Work," Lindeman Memorial Lecture, National Conference of Social Work, San Francisco.

Vice-President, American Sociological Society (1954).

Board of Directors, Community Chest of Philadelphia.

Trustee, National Urban League.

Member, Commission on Student Personnel, American Council on Education.

THIRTY-SEVEN

### ROCHE, JOHN P.

Articles: "The McCarthy Issue" (with Constance L. Roche), Current History, October, 1954, 241-248.

"The 1954 Congressional Elections," New Leader, Oct. 11, 1954, 6-8.

"Plessy v. Ferguson: Requiescat in Pace?," University of Penna. Law Repiew, 103 (Oct. 1954), 44-54.

"Memoirs of a 'Subversive'," New Republic, Jan. 24, 1955, 22-24.

"Can Morality Be Legislated?" (with Milton M. Gordon), New York Times Magazine, May 22, 1955, 10, 42, 47, 49.

"The Bureaucrat and the Enthusiast: An Exploration of the Leadership of Social Movements" (with Stephen Sachs), Western Political Quarterly, 7 (June 1955), 248-261.

"Judicial Self-Restraint," American Political Science Review, 49 (Sept. 1955), 762-772.

"I'm Sick of Conservatism," New Leader, Aug. 22, 1955, 6-8.

"Segregation: Two-Edged Sword" (with Milton M. Gordon), reprint in A. M. Lee, ed., Social Problems in America, Henry Holt, 1955.

Reviews: Leon D. Epstein, Britain: Uneasy Ally, New Leader, Jan. 31, 1955, 25-26.
Reinhard H. Luthin, American Demagogues, New Leader, Jan. 8, 1955, 26.
Walter Johnson, How We Drafted Adlai Stevenson, New Leader, May 16, 1955, 26-27.

Jacobus tenBrock, et al., Prejudice, War and the Constitution, Cornell Law Quarterly, 40 (Spring 1955), 633-636.

James H. Primm, Economic Policy in the Development of a Western State: Missouri, 1820-1860, and Milton S. Heath, Constructive Liberalism: The Role of the State in Economic Development in Georgia to 1860, American Political Science Review, 49 (June 1955), 557-558.

Editorial Work: Advisor on works in Political Science, Harcourt, Brace & Co.

Lectures: "Loss of Nationality for Smith Act Offenders," New Haven Civil Liberties Council Annual Conference; "Christianity Confronts Communism," Adult Class, First Presbyterian Church, Philadelphia; "United States and United Nations," Swarthmore Community United Nations Celebration; "The Christian Response to Communism," Men's League, First Presbyterian Church, Ardmore, Penna.; "Academic Freedom," Race Street Forum: "Understanding Congress," Washington Seminar, Council on Christian Social Progress, American Baptist Convention; "Democracy and the Modern State," Annual Conference, League for Industrial Democracy, New York; "The Federal Security Program: Strengths and Weaknesses," Annual Conference, Phila. Branch ACLU.; "The Dilemmas of British Policy," Institute of Humanistic Studies, University of Pennsylvania; "The Bankruptcy of American Conservatism," Panel, American Political Science Association Convention, Boulder, Colorado.

Visiting Professor of Government, Cornell University, Summer Session, 1955.

Member, Board of Directors; Pennsylvania Civil Liberties Union; Greater Philadelphia Branch, American Civil Liberties Union; League for Industrial Democracy; Philadelphia Chapter, Americans for Democratic Action.

THIRTY-EIGHT

Member, Rights of Conscience Committee, American Friends Service Committee. Fellow, Fund for the Advancement of Education. 1954-55.

Consultant, Fund for the Republic.

Chairman, Equality Committee, Philadelphia Branch, ACLU.

Executive Committee, State Council for Fair Employment Practices.

Vice-Chairman, Haverford Township Democratic Committee; Democratic candidate for School Director, Haverford Township.

### RUSH, RICHARD M.

Articles: "The effect of Substrate on Two Catalytic Spot Tests for Copper" (with L. B. Rogers), Mikrochimica Acta, No. 4, 1955, 821-823.

Editorial work: Twenty articles abstracted for Chemical Abstracts.

Research Participant, Chemistry Division, Oak Ridge National Laboratory, Summer 1955.

### SARGENT, RALPH M.

Articles: "Color Variations of Plants in the Southern Appalachians," Bartonia, Philadelphia, December 1954, pp. 57-58.

Lectures: "An Interpretation of Antony and Cleopatra," Madera Club, Savannah, Ga.

Trustee, Highlands Biological Station, Highlands, North Carolina.

Board of Visitors, Union College, Schenectady, New York.

### SNYDER, EDWARD D.

Reviews: Stephen E. Whicher, Freedom and Fate: An Inner Life of Ralph Waldo Emerson, American Quarterly, (Winter 1954), 382-383.

### SOMERS, HERMAN M.

Books: Workmen's Compensation: Prevention, Insurance and Rehabilitation of Occupational Disability (with Anne R. Somers), John Wiley & Sons, Inc., 1954.

Articles: "The President, the Congress, and the Federal Government Service,"

The Federal Government Service; Its Character, Prestige and Problems. The American Assembly (Columbia University), 1954.

"Federal Administration — Current Issues," monograph, Industrial College of the Armed Forces, Washington, D. C., 1954.

"The Case Study Program: Where Do We Go From Here?" Public Administration Review, Spring 1955.

"Some Observations on Tenure," The Federal Career Service, Society for Personnel Administration, Washington, D. C., 1954.

Lectures: "The Presidency and the American Bureaucracy," Lincoln University; "The Role of Public Opinion in National Policy Formulations," Industrial College of the Armed Forces; "The Present State of Workmen's Compensation," Industrial Relations Institute, University of Wisconsin.

Participant, Sixth American Assembly, Arden House, New York.

THIRTY-NINE

Special Consultant to Mayor of Philadelphia.

Visiting Professor of Political Science, University of Wisconsin Summer School. Chairman, Social Security Panel, Annual Meetings, Industrial Relations Research Association.

Panel, "Research in State Politics," New England Committee on Political Behavior, Yale University.

Consultant, Council on Industrial Health, American Medical Association.

Consultant, "Studies on the Federal Service," National Planning Association.

Member, Nominating Committee, American Political Science Association.

Member, Nominating Committee, Industrial Relations Research Association.

Member, Committee on Research & Teaching, Industrial Relations Research Association.

Member, Citizenship Clearing House Committee for Eastern Pennsylvania.

### STEERE, DOUGLAS V.

Books: Friends' Work in Africa (with Dorothy Steere), Philadelphia, Friends World Committee, 1955, 60 pp. (English Edition, Friends Home Service, London Committee.)

Where Words Come From, 1955 Swarthmore Lecture, Allen and Unwin, London, 1955, 71 pp.

Selections from Thomas Kelly's Testament of Devotion, Nashville, 1955.

Articles: Letters from Douglas and Dorothy Steere: Seven Travel Letters issued by American Friends Service Committee, 1954-5.

The Quaker Message: Unique or Universal, Nitobe Lecture, Tokyo, 1954, published in The Friends Quarterly, London, Vol. 9, No. 6, April, 1955, pp. 49-56; and Christian Century, Vol. 72, No. 31, August 3, 1955, pp. 893-895. "Henry T. Gillett: A Personal Tribute," The Friends Journal, Vol. 1, No. 12, Sept. 17, 1955, pp. 186-7.

"A Leak in the Roof," The Friend (London), Vol. 112, No. 45, Nov. 5, 1954, 1954 p. 1097.

"On Tipping out the Rain Barrels," Faith Today, Vol. 1, No. 4, Sept.-Oct. 1954., pp. 58-9.

Editorial Work: Consultant on Religious Books, Harper and Bros.

Editorial Consultant: Faith Today.

Lectures: "Africa Today," University of Hawaii, Honolulu; "The Spiritual Roots of Quaker Social Concern," Church of the Crossroads, Honolulu; "The Nitobe Lecture," Tokyo, Japan; "Toward a Philosophy of Attention," International Christian University, Tokyo, Convocation Address; "The Spiritual Roots of Democracy," Seminar on Nature of Democracy, Tokyo, Japan; "Collected and Uncollected Man," Indian Fellowship of Reconciliation Meetings, Madras, India; "European Experiments in Intentional Communities," Christian Asram in Travancore, India; Three Lectures on "Aspects of the African Situation," under auspices of Friends International Center, Geneva; "Christianity Confronts Zen Buddhism and Hinduism," Conference of the Una Sancta, Hinterzarten, Germany; "Swarthmore Lecture," London;

[FORTY

"Friends Work in Africa," Pendle Hill Tea, 1955; Five Lectures to 1955 Week of Work of Danforth Fellows; "The Agonies of Transition; Some Reflections on Japan, India and Southern Africa," Cambridge Friends Meetinghouse; Two Lectures on African and Asian Problems to International Students at Phillips Brooks House, Harvard, and International Student House, Cambridge, Mass.; Sermon, Wellesley College.

Chairman, American Section International Fellowship of Reconciliation.

Chairman, Board of Managers, Pendle Hill.

American Friends Service Committee Mission to Japan, India and Africa, 1954-5.

Member, Board of Managers, John Woolman Memorial; Wainwright House; St.

Martin's House.

### SWAN, ALFRED J.

Articles: "Russian Church Music," in *Grove's Dictionary*, 5th ed., 7 (1954). pp. 333-336.

Lectures: "Minute on the Znamenny Chant," Second International Congress for Catholic Church Music, Vienna, Oct. 5, 1954 (in absentia per John H. Davison).

"The Russian Song or Romance," Russian Society for Culture and Enlightenment, Philadelphia.

### TEAF, HOWARD M.

Lectures: "The Introductory Economics Course in the Liberal Arts Curriculum,"
Conference of Pennsylvania Economists, The Pennsylvania State University;
"The Haverford Technical Assistance Program," Friends Council on Education, Philadelphia; "Why Did You Come?" (International Student Exchange), International House of Philadelphia.

Chairman, Subcommittee on Social and Technical Assistance, and member of Executive Board, American Friends Service Committee.

Consultant on insurance, Governor's Advisory Committee, Harrisburg, Pa.

### WISNER, ROBERT J.

Lectures: "Some Remarks on the Theory of Matrices and their Application to Engineering Problems," American Society for Engineering Education, State College, Pennsylvania.

### WHITE, GILBERT F.

Articles: "Water resource problems: Chairman's summary," The Nation Looks at its Resources, Washington: 1954, pp. 173-175.

"International arid lands meetings in New Mexico," Scientific Monthly (March 1955), pp. 192-194.

"Symposium on the future of the arid lands," Geographical Review, 45 (1955), 434-435.

Lectures: Friends Social Union; Headmasters' Association of Phila. region; Moses Brown School; National Council on Religion in Higher Education; Philadelphia Private Teachers' Association; Philadelphia Rotary; Temple Adath Israel; Upper Dublin Friends Meeting.

FORTY-ONE

President, Pennsylvania Foundation for Independent Colleges.

Chairman, Planning Committee for A.A.A.S. for International Arid Lands meetings.

Vice-Chairman, American Friends Service Committee.

Member of Board, Lingnan University; New Hope Foundation; Pendle Hill.

Member, Advisory Committee on Arid Zone Research.

Member, Committee on Educational Interchange Policy, Institute of International Education.

### WYLIE, LAURENCE

Articles: "What is the Cultural Objective?" 1955 Northeast Conference on the Teaching of Foreign Languages, New York: New York University, 1955, 1-8.

Editorial work: Associate Editor, Symposium.

Associate Editor, The French Review.

Lectures: "The Place of Culture and Civilization in Language Teaching," The Northeast Conference on the Teaching of Foreign Languages.

"The Evolution of the French Program," Language Conference of the School and College Study of Admission with Advanced Standing.

Chairman, Committee on the Teaching of Culture and Civilization, Northeast Conference on the Teaching of Foreign Languages.

Member, Committee of Examiners in French, College Entrance Examination Board.

Visitor, School and College Study of Admission with Advanced Standing.

Member, Board of Overseers of Haverford Monthly Meeting.

### TO THE BOARD OF MANAGERS AND THE CORPORATION:

Your Treasurer takes pleasure in submitting herewith his annual report for the year ending August 31st, 1955, duly audited by Lawrence E. Brown and Company.

In line with general business trends this years' report shows considerably increased income — and considerably increased expenses. It does not appear easy to separate the former from the latter. Of our total income 49% was contributed by endowment funds or funds held in trust for the benefit of the college. This is the largest percentage contribution from endowment since 1931. Income from college sources remained at practically the same amount as last year, but there was a substantial increase in corporate and foundation gifts for general budget purposes, due largely to the valiant and persistent efforts of our president.

It might be timely to point out the difficulty of predicting for budget purposes a year or more in advance the income from invested funds. If in drawing up the budget, we count on a "safe" rate of return, say  $4-\frac{1}{2}$ % or  $4-\frac{3}{4}$ % on book value, then it is likely that the budget will be either understated in order to balance or will show a deficit. On the other hand if the rate of return is too high, a business recession with consequent decline in dividends could create a serious deficit at the end of the year. It is for these reasons that I would re-emphasize the importance of an income reserve fund. This year we were able to place in that fund \$21,087.90 representing the operating surplus for the year.

There are two other methods of conserving principal which the college is following, one of them is the direct transfer of a percentage of income to principal; and the other, not as evident, is the crediting of stock dividends, paid from surplus, and not stock splits, to the reduction of book value. As a matter of interest, during this past year, over \$30,000 of stock dividends were so treated.

All of the funds bequeathed to us several years ago have now been received. The book value of the combined funds was on August 31st, 1955, \$10,621,198.51. The market value of all of these funds was on that same date \$15,798,203.36. The overall rate of return on book value was 5.98% and on market value 4.01%. These are figures in which we can take some pleasure.

The Finance Committee claims neither omniscience, clairvoyance nor infallibility and it is not too much concerned with the daily fluctuations of the market, for our investments are regarded rather as long term commitments than short term profit makers. However, it seemed judicious to take advantage of the high prices to some extent, with a resulting capital gains realization of \$204,524.99.

The income from the two Funds required to be reported upon annually, the John Farnum Fund and the John Farnum Brown Fund was used as usual for the purposes specified.

I am appending this year the audited statement of the Building fund only as far as June 9th, 1955.

Respectfully submitted,

Treasure

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### THE CORPORATION OF HAVERFORD COLLEGE

### OPERATING STATEMENT

For the Year Ending August 31, 1955

| Receipts at College - Applicable to Budget   |   |   |   |
|--|---|---|---|
| Tuition: Cash Scholarship Funds Donations Board Room Board & Room from Non-Students Miscellaneous Receipts   | \$235,773.38<br>55,442.52<br>20,559.10                            | 311,775.00<br>179,661.13<br>82,475.00<br>48,166.79<br>37,366.32 | 659,444.24                              |
| Income from Funds - Applicable to Budget   |   |   |   |
| Consolidated Investments — General Funds<br>William Pyle Philips Fund — General<br>John Farnum Memorial Fund |   | 369,541.90<br>57,261.63<br>1,713.79                             |   |
| From Trusts: Nathan Branson Hill W. Percy Simpson Henry C. Brown   | 102.15<br>1,436.35<br>9,324.71                                    | 10,863.21   | 439,380.53                              |
| Donations Applicable to Budget   |   |   | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| From General Purposes  |   | 22,824.95   | 22,824.95                               |
| Interest Received  |   | ,   | 1,908.71                                |
| TOTAL RECEIPTS   |   |   | 1,123,558.43                            |
| Expenses of Running the College  |   |   |   |
| Administration  Educational Department  Maintenance & Operations  Dining Room & Kitchen  Development         | 124,012.65<br>459,190.88<br>198,516.86<br>213,675,01<br>28,770.04 | 1,024,165.44  |   |
| Miscellaneous Expenses   |   |   |   |
| Treasurer's, Secretary's, Legal expenses & Services  | 12,615.11<br>28,161.96<br>2,411.01<br>151.54                      |   |   |
| Power Plant  | 3,564.48  |   |   |
| Ninth 1/10 cost of repairs to Barclay Hall   | 3,430.63<br>6,135.90  |   |   |
| Reserve  | 7,374.70  |   |   |
| Reserve for Death Benefit for<br>Non-Faculty   | 1,000.00  |   |   |
| Alumni – Sustaining Fund –   |   | 78 205 00   | 1,102,470.53                            |
| Support of Alumni Association  | 13,459.76   |   | 1,102,410.00                            |
| Operating Surplus Added to Reserve Fund  |   |   | \$ 21,087.90                            |

### INCOME RESERVE ACCOUNT

8th Month, 1954

| Balance in Reserve August 31, 1954       | ,580.06 |
|--|---------|
| Operating Surplus for year 1954-1955     | ,087.90 |
| TOTAL INCOME RESERVE AUGUST 31, 1955\$48 | ,667.96 |

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| ## Increase Decrease August 31, 1955 Sept. 1, 1954 Net Income Expended Special Totals August 10, 1955 Sept. 1, 1954 Net Income Expended Special Totals August 11, 1955 Sept. 1, 1954 Net Income Expended Special Totals August 11, 196, 196, 196, 196, 196, 196, 196,  |   |                             | Principal  |             |      |             | Income     |           |          |                            |
|--|---|-----------------------------|------------|-------------|------|-------------|------------|-----------|----------|----------------------------|
| \$ 97,795.14         \$ 97,795.14         \$ 686.24         \$ 289.81         \$ 289.81         \$ 289.81         \$ 289.81         \$ 289.81         \$ 289.81         \$ 289.81         \$ 289.81         \$ 289.81         \$ 289.81         \$ 289.81         \$ 289.81         \$ 289.81         \$ 289.81         \$ 289.81         \$ 289.81         \$ 289.82         \$ 290.82  |   | Book Value<br>Sept. 1, 1954 | Іпстеаве   |             |      |             | Expended   | Special   | Totals A | Balance<br>tugust 31, 1955 |
| \$ 7,755,14         \$ 7,755,14         \$ 6,307,31         \$ 6,307,31           10,640,09         10,640,09         44,806,39         2,866,24         666,24         666,24         666,24         46,806,31         1,304,35         131,73         131,   | Funds for General Purposes  |                             |            |             |      |             |            |           |          |                            |
| 1,564,09   10,640,09   10,744,24   10,74   | General Endowment Fund  | \$ 97,795.14                |            | \$ 97,795.1 | 4    | \$ 6,307.31 | \$6,307.31 |           |          |                            |
| 4,84806.59         44,806.59         44,806.59         4,806.59         13,44.24         5,144.24         5,144.24         5,144.24         5,144.24         5,144.24         5,144.24         5,144.24         5,144.24         5,144.24         5,144.24         6,53.94         13,142.24         6,53.94         13,144.24         6,53.94         1772.94         1772.94         1772.94         1774.20         177.00 </td <td>John M. Whitall Fund</td> <td>10,640.09</td> <td></td> <td>10,640.0</td> <td>6</td> <td>686.24</td> <td>686.24</td> <td></td> <td></td> <td></td>   | John M. Whitall Fund  | 10,640.09                   |            | 10,640.0    | 6    | 686.24      | 686.24     |           |          |                            |
| 11364245   11364345   11364345   11364345   11364244   1317.34   1137.34   1317.34   177.44.20   177.04    | David Scull Fund  | 44,806.59                   |            | 44,806.5    | 6    | 2,889.81    | 2,889.81   |           |          |                            |
| 1,144.24         5,144.24         5,144.24         5,144.24         65.39         695.39         6274.20         177.00         717.00 <td< td=""><td>Edward L. Scull Fund</td><td>11,364.35</td><td></td><td>11,364.3</td><td>.2</td><td>732.94</td><td>732.94</td><td></td><td></td><td></td></td<>   | Edward L. Scull Fund  | 11,364.35                   |            | 11,364.3    | .2   | 732.94      | 732.94     |           |          |                            |
| 1,07,81,94   | Wistar Morris Memorial Fund   | 5,144.24                    |            | 5,144.2     | 4    | 331.78      | 831.78     |           |          |                            |
| 1,301,375.34   1,301,375.34   83,322,45 79,184,33  | Israel Franklin Whitall Fund  | 10,781.94                   |            | 10,781.9    | ₹.   | 695,39      | 695.39     | :         |          |                            |
| 17,75,899,76   | Jacob P. Jones Endowment Fund   | 1,301,375.34                |            | 1,301,375.3 | 4    | 83,932.45   | 79,184.33  | 4,748.12  | _        |                            |
| 11,117,10 11,10 11 | John Farnum Brown Memorial Fund   | 275,899.76                  |            | 275,899.7   | 9    | 17,794.20   | 17,794.20  |           |          |                            |
| 21, 493, 67  21, 493, 67  21, 493, 67  21, 493, 67  21, 394, 72  5, 886, 01  5, 886, 01  5, 886, 01  1, 500, 00  1, 500, 00  26, 771, 00  26, 771, 00  26, 771, 00  27, 78, 20  27, 78, 20  27, 78, 20  28, 78, 20  29, 17, 20  29, 11, 25, 20  29, 11, 25, 20  29, 11, 25, 20  29, 20, 20  20, 20  20, 20, 20  20 | Allen Waln Fund   | 11,117.10                   |            | 11,117.1    | 0    | 717.00      | 717.00     |           |          |                            |
| 42,394,72         5,886,01         5,394,72         2,734,26         2,734,26           5,886,01         9,160,24         9,160,24         379,62         379,62         379,62           9,160,24         9,160,24         45,035,96         2,044,60         2,046,60         2,044,60         2,046,60         2,046,60         2,044,60         2,046,60         2,046,60         2,044,60         2,046,60         2,046,60         2,046,60         2,046,60         2,046,60         2,046,60         2,046,60         2,046,60         2,046,60         2,046,60         2,046,60         2,046,60         2,046,60         2,046,60         2,046,60         2,046,60         2,046,60         2,046,60   | Clementine Cope Endowment Fund  | 21,493.67                   |            | 21,493.6    | 7    | 1,386.24    | 1,386.24   |           |          |                            |
| 5,886.01         5,886.01         379.62         379.62         379.62           45,035.06         45,035.06         45,035.06         2,904.06         1,706.09         2,908.03         1,706.09         1,706.09         1,706.09         1,706.03         1,410.53         1,410.53         1,406.35         1,601.35         1,601.35         1,601.35         1,601.35         1,601.35         1,601.35         1,601.35         1,601.35         1,601.35         1,601.35         1,601.35         1,601.35         1,601.35         1,601.35         1,601.35         1,601  | Joseph E. Gillingham Fund   | 42,394.72                   |            | 42,394.7    | 2    | 2,734.26    | 2,734.26   |           |          |                            |
| 9,160,24         9,160,24         500,79         500,79           1,500,00         1,500,00         96.74         96.46.0           1,500,00         1,500,00         96.74         96.46.0           1,500,00         1,500,00         96.74         96.46.0           1,500,00         1,728,50         2,548,56         2,548,56         2,548,56           26,771,00         26,771,00         26,771,00         11,728,60         11,728,30           1125,569,31         125,569,51         18,086,63         11,728,60         11,728,60           1126,076,83         18,728,43         11,728,60         11,728,60         11,728,60         11,728,60           1126,076,83         1126,076,83         18,131,35         81,313,5         81,44,9   | Henry Norris Fund   | 5.886.01                    |            | 5,886.0     | _    | 379.62      | 379.62     |           |          |                            |
| 45,035.96         45,035.96         2,904.60         2,904.60           1,500.00         1,500.00         96.74         96.74           39,515.48         39,515.48         39,515.48         62.74           174,560.31         174,560.31         11,258.30         11,258.30           24,381.59         24,381.59         11,726.00         1,726.60           24,381.59         125,69.51         18,098.63         18,098.63           125,69.51         125,60.51         14,106.93         14,106.93           126,076.83         126,076.83         18,098.63         18,138.5           120,067.43         102,067.43         14,106.93         14,106.93           14,125.79         14,106.93         14,106.93         14,106.93           16,000.00         10,000.00         6,582.86         6,582.86         6,582.86           17,520.19         1,601.35         1,601.35         1,601.35         1,601.35           1,1,520.19         1,7520.19         1,572.49         1,601.35         1,601.35           1,1,520.19         1,7520.19         1,572.49         1,601.35         1,601.35           1,1,520.19         1,7520.10         1,572.49         1,572.49         1,572.49           1,1,520.  |   | 0 160 24                    |            | 9,160.2     | 4    | 590.79      | 590.79     |           |          |                            |
| 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 1,500.00 26,771.00 26,771.00 26,771.00 28,381.59 10,500.50 11,726.60 11,726.71 12 | Jomes B. Marse Fund   | 45 035 96                   |            | 45,035.9    | . 49 | 2.904.60    | 2.904.60   |           |          |                            |
| 39,515.48 39,515.48 39,515.48 114,560.31 114,560.31 114,560.31 11,228.30 11,228.30 11,228.30 11,228.30 11,228.30 11,228.40 11,226.60 11,726.70 11,726.70 11,726.70 11,726.70 11,726.70 12,700.70 12, | Albert V Smiles Find  | 1 500 00                    |            | 1 500 0     |      | 96.74       | 96.74      |           |          |                            |
| 17,510.00   17,5   | Title A - A - A - A - A - A - A - A - A - A   | 20 515 40                   |            | 20 515 4    | > cc | 9 548 56    | 9 548 56   |           |          |                            |
| 124,300,31         1,726,60         1,726,10  | Hinchman Astronomical Fund  | 04,010,40                   |            | 4.010,70    | 0 -  | 11 950 90   | 11 950 20  |           |          |                            |
| 26,771,00         26,771,00         26,771,00         1,720,50         1,720,10   | Wm. D. & E. M. L. Scull Fund  | 174,300.31                  |            | 1.4,300.3   |      | 11,430.30   | 11,200.00  |           |          |                            |
| 125 569 51         125 569 51         125 569 51         1,572.30         1,572.30           128 728 43         125 569 51         125 569 51         14,106.93         14,106.93         14,106.93           218 728 43         102,075.83         8,131.35         14,106.93         14,106.93         14,106.93           102,067.43         10,000.07         10,000.03         14,106.93         14,106.93         14,106.93           14,125.79         14,125.79         14,125.79         14,106.93         14,106.93         14,106.93           10,000.00         10,000.00         10,000.00         644.95         644.95         1601.35           4,950.00         10,000.00         49,987.50         3,223.95         3,223.95         3,223.95           117,520.19         17,520.19         7,579.49         7,579.49         7,579.49         7,579.49         7,579.49           5,000.00         4,950.00         4,950.00         3,223.74         4,514.7         4,514.7           7,000.00         7,000.00         1,532.110.39         161.23         161.23         161.23           2,500.00         12,000.00         12,000.00         161.23         161.23         161.23           12,000.00         1,418.75         4,418.75  | Albin Garrett Memorial Fund   | 26,771.00                   |            | 26,771.0    | 0    | 1,726.60    | 1,720.00   |           |          |                            |
| 125,569,51         125,569,51         18,086,53         8,098,63           218,728,43         125,569,51         18,086,53         18,098,63           120,076,83         126,076,83         126,076,83         14,106,93         14,106,93           120,077,43         126,077,43         18,131,35         8,131,35         8,131,35           10,000,00         24,828,94         1,601,35         1,601,35         1,601,35           10,000,00         10,000,00         24,828,94         1,601,35         1,601,35           49,987,50         117,520,19         17,579,49         7,579,49         7,579,49           117,520,19         117,520,19         17,579,49         7,579,49         7,579,49           117,520,19         17,520,19         7,579,49         7,579,49         7,579,49           10,00,00         5,000,00         5,000,00         32,247         319,25         310,25           10,00,00         7,000,00         7,000,00         451,47         451,47         451,47           12,000,00         1,532,110,39         82,319,36         6,464,49         9,127,13         161,23         161,23           10,3,93,26         103,993,26         103,993,26         6,707,07         6,707,07         7,779,44   | Arnold Chase Scattergood Fund   | 24,381.59                   |            | 24,381.5    | 6    | 1,572.50    | 1,572.50   |           |          |                            |
| 218,728,43         126,776,43         14,106,53         14,106,53           1126,076,83         126,076,83         16,106,53         14,106,53           102,067,43         102,067,43         6,82,86         6,582,86           14,125,79         14,125,79         911,04         911,04           24,828,94         24,828,94         1,601,35         1,601,35           10,000,00         10,000,00         644,95         1,601,35           5,527,31         5,527,31         3,523,95         3,523,95           117,520,19         17,520,19         7,579,49         7,579,49           5,000,00         4,950,00         4,550,00         322,47         322,47           280,764,31         2,500,00         117,520,19         7,579,49         7,579,49           7,000,00         2,500,00         4,550,00         319,25         18,107,95           1,000,00         2,500,00         16,123         161,23         161,23           7,000,00         1,532,110,39         9,127,13         161,23         161,23           12,000,00         12,000,00         12,000,00         161,23         161,23           76,4872,19         76,4872,19         76,487         773,94         773,94  | Francis B. Gummere Memorial Fund  | 125,569.51                  |            | 125,569.5   | _    | 8,098.63    | 8,098,63   |           |          |                            |
| 126,076,83   126,076,83   8,131,35   8,131,35   8,131,35   125,006,83   126,076,83   126,076,83   126,076,83   126,076,83   126,076,83   126,076,83   126,027,34   14,125,79   14,125,79   14,125,79   16,000,00   10,000,00   10,000,00   17,520,19   | Isaac Sharpless Memorial Fund   | 218,728.43                  |            | 218,728.4   | 3    | 14,106.93   | 14,106.93  |           |          |                            |
| 102,067.43   102,067.43   6,582.86   6,522.86   1,4,125.79   1,4,125.79   1,4,125.79   1,4,125.79   1,4,125.79   1,0,135   1   | General Education Fund  | 126,076.83                  |            | 126,076.8   | 33   | 8,131.35    | 8,131.35   |           |          |                            |
| 14,125.79         14,125.79         1911.04         911.04           2,828.94         24,828.94         1,601.35         1,601.35         1,601.35           10,000.00         10,000.00         644.95         3,649         364.95           5,527.31         49,987.50         3,223.95         356.49         36.49           117,520.19         117,520.19         7,579.49         7,579.49         7,579.49         7,579.49           2,600.00         4,950.00         4,950.00         322.47         322.47         451.27           2,600.00         4,950.00         2,500.00         319.25         18.107.95         18.107.95           2,500.00         2,500.00         1,532.110.39         82,313.3         161.23         161.23           2,500.00         12,000.00         12,000.00         12,007.95         18.107.95         161.23         161.23           12,000.00         12,000.00         12,000.00         1773.44         464.49         1773.94           4,418.75         4,418.75         4,418.75         284.99         284.99         284.99           2,500.00         22,500.00         322.47         322.47         322.47         322.47           4,418.75         4,418.75   | William Penn Foundation   | 102,067,43                  |            | 102,067.4   | 3    | 6,582,86    | 6,582.86   |           |          |                            |
| 24,828.94         24,828.94         1,601.35  | Walter Carroll Brinton Mem'l Fund   | 14,195.79                   |            | 14,125.7    | 6    | 911.04      | 911.04     |           |          |                            |
| 10,000,00  | Comparison Fined  | 24 828 04                   |            | 24 828 9    | . 40 | 1.601.35    | 1.601.35   |           |          |                            |
| 5,527.31         5,527.31         5,527.31         356.49         3  | Elicated I Chartelland Enal   | 10,000,00                   |            | 0 000 01    |      | 644.95      | 644.95     |           |          |                            |
| 49,987.53         49,987.53         49,987.53         49,987.50         49,987.50         49,987.50         49,987.50         49,987.50         49,287.50         49,287.50         49,287.50         49,287.50         49,287.50         49,287.50         49,287.50         49,287.50         49,287.50         49,287.50         49,287.70         49,287.70         49,287.70         49,287.70         49,287.70         40,797.70         41,07.95         18,139.36         69,446.49         9,127.13         173.94         173.94         173.94         173.94         173.94         173.94         173.94         173.94         173.94         173.94         173  | Elizabeth J. Shortridge Fund  | 10,000,00                   |            | LO,000,01   | 0 =  | 356 40      | 356 40     |           |          |                            |
| 147,520,19 5,000,00 17,520,19 5,000,00 17,520,19 5,000,00 17,520,19 18,007,95 18,007,97 18,000,00 18,007,97 173,94 173,94 18,007,97 18,000,00 18,007,97 173,94 173,94 18,007,97 18,000,00 18,007,97 173,94 173,94 173,94 18,007,97 18,007,97 18,000,00 18,007,97 173,94 18,007,97 18,007  | Howard Comfort Memorial Fund  | 10.720,0                    |            | 0.145.0     | - 0  | 9 000 0     | 2 999 05   |           |          |                            |
| 117,520,19 117,520,19 7,579,49 7,579,49 7,579,49 7,579,49 7,579,49 7,579,49 7,500,00 319,25 3 | Emma Ridgway Comly Fund   | 49,987.50                   |            | 49,987.0    | 0    | 3,443.93    | 0,044,0    |           |          |                            |
| 5,000,00 5,000,00 322,47 322,47 312,47 312,47 312,47 319,25 4,950,00 4,950,00 4,950,00 4,950,00 4,950,00 4,950,00 4,418,75 18,107.95 18, | Ellen W. Longstreth Fund  | 117,520.19                  |            | 117.520.1   | 5    | 64.675      | 65.676.7   |           |          |                            |
| und 4,950,00 4,956,00 319,25 319,25 319,25 173,00 10,0 | Albert L. Bailv Fund  | 5,000.00                    |            | 5,000.0     | 0    | 322.47      | 322.47     |           |          |                            |
| 280,764,31 280,764,31 18,107.95 18,107.95 18,107.95 280,764,31 18,000.00 451,47 451,47 451,47 7,000.00 2,500.00 16,123 161,23 764,872.19 767,238.20 1,532,110.39 82,319.36 69,446,49 112,000.00 12,000.00 12,000.00 773,94 773,94 103,993.26 47418.75 4418.75 284,99 282,47 322,47  | Flizabeth R Wister Worner Fund  | 4.950.00                    |            | 4.950.0     | 0    | 319.25      | 319.25     |           |          |                            |
| ger L. Greif Fd. 7,000.00 7,000.00 451.47 451.47 451.47 754.87.20 764.872.19 767,238.20 1,532,110.39 91.35 91.27.13 15.000.00 12,000.00 12,000.00 773.94 113,000.00 773.94 173.94 4,418.75 2,000.00 773.94 173.94 1418.75 2,000.00 773.94 173.94 1418.75 2,000.00 773.94 173.94 1418.75 2,000.00 773.94 173.94 1418.75 2,000.00 773.94 173. | T Aller Hiller Beament  | 980,764.31                  |            | 280 764.3   |      | 18,107,95   | 18,107,95  |           |          |                            |
| 0ger L. Offile 1. 200.00 2,500.00 161.23 161.23 161.23 161.23 2,500.00 173.91 161.23 1 | Talling of the Call Hally I   | 7,000,00                    |            | 0 000 2     |      | 451 47      | 451.47     |           |          |                            |
| 4,872.19         764,872.19         767,238.20         1,532,110.39         82,319.36         69,446.49           4         12,000.00         12,000.00         773.94         773.94         773.94           4         103,993.26         6,707.07         6,707.07         6,707.07         6,707.07           5,000.00         5,000.00         322.47         322.47         322.47           4,418.75         4,418.75         309,419.70         284.99         284.99           5,000.00         4,418.75         309,419.70         282.47         322.47   | Leonard L. Greif, Jr. & noger L. Greif Fu   | 00.000,0                    |            | 0.000,0     |      | 161 93      | 161 93     |           |          |                            |
| d) 12,000.00 1,532,110.39 9,127.13 9,127.13 173.94  |   | 2,500.00                    | 000        | 2,300.0     | 2 (  | 20.101      | 20 446 40  | 00 000 00 | _        |                            |
| 12,000,00 12,000,00 773.94 773.94 773.94 773.94 773.94 773.94 773.94 773.94 773.94 773.94 773.94 773.94 773.94 773.97 73.97 7418.75 284.99 28.99 284.99 28. |   | 764,872.19                  | 767,238.20 | 1,532,110.3 | 6    | 02,319,30   | 03,440,43  | 22,000.00 |          |                            |
| 12,000,00 12,000,00 173,94 773,94 773,94 773,94 773,94 773,94 773,94 773,94 773,94 773,94 773,94 773,94 773,94 773,94 773,94 7747,07 74,418,75 284,99 284,99 284,99 284,99 282,94 747,988,90 4.91,792,17 309,419,70,212,17 309,419,70,212,17   | _   |                             |            |             |      | 9,127.13    | 0          |           |          |                            |
| 103,993.26 103,993.26 6,707.07 6,707.07 4,418.75 284,99 282,99 284,99 282,99 284,99 282,99 28 | J. Henry Scattergood Fund   | 12,000.00                   |            | 12,000.0    | 0    | 773.94      | 773.94     |           |          |                            |
| 4,418,75 4,418,75 284,99 284,99 284,99 284,99 284,99 284,99 284,99 284,99 284,99 284,99 284,99 284,99 284,99 284,99 284,99 284,99 284,99 282,471,589 2171,58 | Parker S. Williams Fund   | 103,993.26                  |            | 103,993.2   | 9    | 6,707.07    | 6,707.07   |           |          |                            |
| 5,000.00 322.47  | Clarence W. Bankard Fund  | 4,418.75                    |            | 4,418.7     | 2    | 284.99      | 284.99     |           |          |                            |
| 4 144 553 07 767 938 90 4 911 792 17 309 419 70 282,671,58   | Cilbert C Fry Fund  | 5.000.00                    |            | 5,000.0     | 0    | 322.47      | 322.47     |           |          |                            |
|  | Electrical and a second a second and a second a second and a second a second and a second and a second and a | A 144 552 07                | 767 938 90 | 4 911 792 1 | 7    | 309.419.70  | 282,671,58 |           |          |                            |

## REPORT ON CONSOLIDATED FUNDS

| 1   |
|---|
| Sept. 1, 1934 increase Decrease             |
| \$4,144,553.97\$767,238.20<br>2,500.00      |
|   |
| 174,020.48 9,126.65<br>353 899 10 10 286 33 |
| ,   |
| 25,068.15                                   |
|   |
| 4,821,949.81 793,422.39                     |
| 374,960.27 2,418.31                         |
| 9,653.44<br>5,059.50<br>14,712.94           |
| 1,878.82                                    |
| 5,257.82                                    |
| 6,069.23                                    |
| 5,056.25                                    |
| 7,013.61                                    |
| 22.845.86                                   |
| 9,365.53 204.03                             |
| 6,951.21                                    |
| 377.00                                      |
|   |
| 22,250.00                                   |
| 5,017.31                                    |
|   |
| 8,961.08 395.00                             |
| 5,000.00                                    |
| 231,068.28 976.03                           |
|   |

### REPORT ON CONSOLIDATED FUNDS

|   |                             | Principal | ipal     |                               |                          |                     | Іпсоше    | Je         |                                 |                            |     |
|---|-----------------------------|-----------|----------|-------------------------------|--------------------------|---------------------|-----------|------------|---------------------------------|----------------------------|-----|
|   | Book Value<br>Sept. 1, 1954 | Increase  | Decrease | Book Value<br>August 31, 1955 | Balance<br>Sept. 1, 1954 | Net Income          | Expended  | Special    | Totals                          | Balance<br>August 31, 1955 | 35  |
| Funds for Scholarships (Cont'd.)  | \$231,068.28                | \$ 976.03 |          | \$ 232,044.31                 | \$4,493.31               | \$ 14,930.21        | *         | 111,790.91 |                                 | \$7,428.58                 |     |
| Elihu Grant Mem'l Scholarship Fund Christian Fabings Mem'l Scholarshin Fund | 40,255.95                   | 19.06     |          | 40,275.01                     | 561.73                   | 2,609.02            |           | 2,000.00   |                                 | 1,170.75                   |     |
| Joseph L. Markley Mem'l Scholarship Fund.                                   | 5,000.00                    |           |          | 5,000.00                      | 68.16                    | 322.48              |           | 250.00     |                                 | 140.64                     |     |
| Joseph C. & Anne N. Birdsall Schol. Fund                                    | 25,000.00                   |           |          | 25,000.00                     | 333.76                   | 1,612.38            |           | 2,300.00   |                                 | 353.86                     |     |
| Daniel E. Davis, Jr. Mem'l Scholarship Fund                                 | 3,000.00                    |           |          | 3,000.00                      | 119.55                   | 193.49              |           | 250.00     |                                 | 63.04                      |     |
| Jonathan M. Steere Scholarship Fund   | 10,000.00                   |           |          | 10,000.00                     | 162.92                   | 644.95              |           | 600.00     |                                 | 207.87                     |     |
| Milliam Graham Tyler Mem I Scholarship Fd.                                  | 15,000.00                   |           |          | 15,000.00                     | 206.67                   | 967.43              |           | 850.00     |                                 | 324.10                     |     |
|   | 2,100.00                    |           |          | 7,700.00                      | 131.23                   | 174.13              |           | 287.022    |                                 | 99.30                      |     |
| 1949 Campaign Scholarship Fund  | 44,235.17                   | 3,487.02  |          | 47,722.19                     | 338.21                   | 2,870.16            |           | 2,250.00   |                                 | 671.35                     |     |
| Max Leuchter Scholarship Fund   | 11,113.24                   | 942.28    |          | 12,055.52                     | 310.61                   | 742.28              |           | 300.00     |                                 | 528.20                     |     |
| Caroline Chase Scholarship Fund   | 6,245.11                    |           |          | 6,245.11                      | 124.39                   | 402.78              |           | 442.50     |                                 | 84.67                      |     |
| ייין דומווסן כווויזים אוכוויסוומו במור בייין                                | 00.000,6                    |           |          | 00.000,0                      | *:00                     | 04.776              |           | 00.000     |                                 | _                          |     |
| Class of 1904 Scholarship Fund  | 6,000.00<br>438,780.25      | 10,724.39 |          | 6,000.00<br>449,504.64        | 86.36 $7,291.11$         | 386.97<br>28,495.99 |           | 300.00     | 933.33*<br>24,852.73            | 10,934.37                  |     |
| Funds for the Library   | 17 435 06                   |           |          | 17 435 06                     |                          | 1 194 48            | 1 194 48  |            |                                 |                            |     |
|   | 11,400,00                   |           |          | 11,400.00                     |                          | 04:47747            | 1916-1-0  | 13.93,     |                                 |                            |     |
| Mary Farnum Brown Library Fund  | 68 050 73                   | 13 03     |          | 68 064 66                     |                          | A 288 0A            |           | 163.50*    |                                 |                            |     |
| Wm. H. Jenks Library Fund   | 5,000.00                    |           |          | 5,000.00                      | 85.87                    | 322.48              |           | 236.155    |                                 | 172.20                     |     |
| Mary Wistar Brown Williams Library Fund                                     | 20,306.74                   |           |          | 20,306.74                     | 375.54                   | 1,309.69            | 0 0 0     | 1,289.70   |                                 | 395.53                     |     |
| F. B. Cummere Library Fund  | 635.47                      |           |          | 635.47                        | 93 03                    | 40 90               | 9,720.70  | 52.56      |                                 | 19.36                      |     |
| Edmund Morris Fegusson, Jr. Mem'l Fund                                      | 1,002.34                    |           |          | 1,002.34                      | 86.34                    | 64.65               |           | 130.305    |                                 | 20.69                      |     |
| Class of 1888 Library Fund  | 6,550.00                    |           |          | 6,550.00                      | 204.21                   | 422.44              |           | 498.05     |                                 | 128.60                     |     |
| Class of 1918 Library Fund  | 1,253.52                    |           |          | 1,253.52                      | 243.14                   | 80.84               |           | 296.11     |                                 | 27.87                      |     |
| Mohonk Fund for Bufus Tones Coll Myst.                                      | 1 500.00                    |           |          | 1 500.00                      | 310.27                   | 96.74               |           | 30.03      |                                 |                            |     |
| Rufus M. Jones Book Fund  | 5,000.00                    |           |          | 5,000.00                      | 1,321.30                 | 322.48              |           | 89.765     |                                 | ٦,                         |     |
| 1949 Campaign Library Fund  | 34,625.00                   | 1,023.75  |          | 35,648.84                     | 2,859.41                 | 2,237.45            |           | 1,252.66   | 163.50<br>9,523.49 <sup>5</sup> | 3,602.45                   | - 1 |
|   | 335,037.09                  | 1,037.68  |          | 336,074.77                    | 5,564.05                 | 21,612.58           | 10,851.18 |            | 9,924.67                        | 6,400.78                   |     |

| FUNDS  |   |
|--------|---|
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| ONO    |   |
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|  |  | Principal                                     |  |   |  | Inc   | Income  |          |  |
|--|--|---|--|---|--|---|---|----------|--|
|  | Book Value<br>Sept. 1, 1954  | Book Value<br>Sept. 1, 1954 Increase Decrease | Book Value<br>August 31, 1955  | Balance<br>Sept. 1, 1954  | Net Income   | Expended  | Special   | Totals   | Balance<br>August 31, 1955   |
| Funda for Old Style Pensions President Sharpless Fund Jacob P. Jones Benefit Fund Pliny Earle Chase Memorial Fund Haverford College Pension Fund.  | \$41,237.08<br>36,758.66<br>68,113.78<br>3,272.24<br>112,040.73<br>261,422.49                |   | \$ 41,237.08<br>36,758.66<br>68,113.78<br>3,272.24<br>112,040.73<br>261,422.49               |   | \$ 2,659.60<br>2,370.75<br>4,393.01<br>211.05<br>7,226.09<br>16,860.50     | \$2,659.60<br>2,370.75<br>4,393.01<br>211.05<br>7,226.09<br>16,860.50 |   |          |  |
| Funds for Special Purposes Thomas Shipley Fund Elliston P. Morris Fund John B. Garrett Reading Prize Fund Special Endowment Fund Elizabeth P. Smith Fund S. P. Lippincott History Prize Fund Francis Stokes Fund | 5,248.00<br>1,126.75<br>2,247.87<br>9,227.07<br>2,296.88<br>1,727.00<br>2,546.88<br>5,120.30 |   | 5,248.00<br>1,126.75<br>2,247.87<br>9,227.07<br>2,296.88<br>1,727.00<br>2,546.88<br>5,120.30 | 321.89<br>195.40<br>1,410.66<br>6,47.53<br>363.92<br>1,105.15<br>210.12<br>758.28 | 338.47<br>72.67<br>14.97<br>595.10<br>148.14<br>111.39<br>164.26<br>330.23 |   | 124.504<br>169.895<br>200.006<br>733.057<br>95.008<br>100.008<br>188.335<br>237.509 |          | 535.86<br>98.18<br>1,555.63<br>349.58<br>417.06<br>1,216.54<br>86.05<br>851.01 |
| George Peirce Prize Fund   | 3,337.36<br>2,155.00   | 165.25  | 3,502.61<br>2,155.00   | 541.35  | 215.25<br>138.98   |   | 50.008<br>100.008   |          | 580.33   |
| Newton Prize Fund Edward B. Conklin Athletic Fund William Ellis Scull Prize Fund Paul D. I. Maier Fund. Strawbridge Observatory Maintenance Fund.  | 1,397.75<br>2,400.00<br>9,362.75<br>2,000.00<br>1,000.00<br>3,839.54                         |   | 1,397.75<br>2,400.00<br>9,362.75<br>2,000.00<br>1,000.00<br>3,839.54                         | 128.78<br>508.92<br>748.41<br>630.12  | 90.15<br>154.79<br>603.85<br>128.99<br>64.50                               | 154.79  | 91.55<br>91.55<br>603.20<br>50.00<br>20.008<br>678.8910                             |          | 77.38<br>509.57<br>827.40<br>578.86  |
| Jacob & Eugenie Bucky Mem'l Foundation   | 4,362.52   | 1,206.98                                      | 5,569.50   | Dr 1.76   | 286.74   |   | 78.0011   |          | 2 5  |
| Mathematics Department Prize Fund Wm. T. Elkinton Fund Tilney Memorial Fund Class of 1902 Latin Prize Fund Class of 1808 Gift  | 1,411.39<br>2,491.50<br>6,500.00<br>142.90   | 41.02   | 1,452.41<br>2,491.50<br>6,500.00<br>142.90<br>6.315.00                                       | 245.83<br>440.33<br>38.38   | 91.02<br>160.69<br>419.22<br>9.22<br>407.29                                |   | 50.008<br>133.71 <sup>12</sup><br>10.00 <sup>3</sup><br>360.00 <sup>13</sup>        |          | 272.81<br>859.55<br>37.60<br>40.22   |
| Edmund J. Lee Memorial Award Fund. David R. Bowen Premedical Fund. Jonathan & Rachel Cope Evans Fund. Edward Hawkins Memorial Fund. William M. Baker Prize Fund.   | 1,006.50<br>542.55<br>14,043.62<br>1,457.44<br>500.00  | 250.00  | 1,006.50<br>792.55<br>14,043.62<br>1,457.44<br>500.00  | 0, 90 40,   | 905.75<br>905.75<br>32.25  | 452.8B  | 50.00 <sup>8</sup>  |          | 1,   |
|  | 93,806.57  | 1,663.25                                      | 95,469.82  | 9,656.42  | 6,439.48   | 652.17  |   | 4,586.87 | 10,856.86  |
| Plus Undistributed Gain  | 305,272.54   | 92,562.68                                     | 397,835.22   |   |  |   |   |          |  |
| Total Increase   |  |   |  |   |  |   |   |          |  |

## REPORT ON NON-CONSOLIDATED FUNDS

| Income    | Book Value Balance Sept. 1, 1954 Increase Decrease August 31, 1955 Sept. 1, 1954 Net Income Expended Special Totals August 31, 1955 |   | $\frac{1,500.00^{1}}{24,001.54^{2}}$             | 19,368.79 <sup>13</sup> 19,368.79 <sup>13</sup> 600.00 <sup>14</sup> 600.00 <sup>14</sup> | 13,013.52 <sup>15</sup> 13,013.52 <sup>15</sup> 30,648.24<br>11,526.27 <sup>3</sup> 11,526.27 <sup>16</sup> 913.79 | 1,500.00<br>24,001.54 <sup>2</sup> 24,425.54<br>\$70,990.12 \$55,987.57   |
|-----------|---|---|--|---|--|---|
| Inc       | Net Income Expended   | \$1,713.79 \$1,713.79<br>102.15 102.15<br>1,436.35 1,436.35                 | 9,324.71   | 109,384.46 57,261.63  | 2,000.00<br>1,148.26   | 885,155,74 101,255,25 866,410,99 40,927.08 24,927.08 24,524,064,75 \$322,001,784,517.50 \$3,071,549.03 \$16,640,72 \$180,175,60 \$69,838.63 |
|           | Book Value Balance<br>agust 31, 1955 Sept. 1, 1954  |   |  |   | 15,895.19  | \$16,640.72   |
|           | Book Value<br>August 31, 195  | \$517.50 \$31,857.69  | 2,030,505.01                                     |   | 22,775.34  | 986,410.99<br>\$3,071,549.03  |
| Frincipal | Increase Decrease   | \$517.50  | 1,813,758.48 220,746.534,000.00 2,030,505.01<br> |   |  | 101,255.25<br>322,001.784,517.50  |
|           | Book Value<br>Sept. 1, 1954   | \$32,375.19   | 1,813,758.48                                     |   | 22,775.34  | \$85,155.74 101,255.25<br>\$2,754,064.75 \$322,001.78   |
|           |   | John Farnum Metrorial Fund Nathan Branson Hill Trust W. Percy Simpson Trust |  | General   | Special Augustus Taber Murray Res. Schol. Fund   | William Maul Measey Fund  |

| Scholarships                               | Plants and Labor     |
|--|----------------------|
| Income to Principal                        | 10 Office Equipment  |
| <sup>3</sup> Annuity                       | 11 Work Camp Fees    |
| 4Lectures                                  | 12Trips              |
| <sup>5</sup> Books                         | 13Visitors           |
| <sup>6</sup> Religious Education Committee | 14Collection Speaker |
| 7Cherokee Project                          | 15Library            |
| <sup>8</sup> Prizes                        | 16Miscellaneous      |

Note: Key to Code Number

# SUMMARY OF CONSOLIDATED AND NON CONSOLIDATED FUNDS

|   | Book Value<br>Sept. 1, 1954  | Increased                | Decreased  | Book Value<br>Sept. 1, 1955 | Net Income    |
|---|------------------------------|--------------------------|------------|-----------------------------|---------------|
| Funds for General Purposes Fund for T. Wistar Brown Graduate School | \$4,821,949.81<br>374.960.27 | \$793,422.39<br>2.418.31 |            | \$5,615,372.20              | \$ 353,279.23 |
| Funds for Morris Infirmary Fund for Haverford Union.                | 14,712.94                    |                          |            | 14,712.94                   | 948.91        |
| Funds for Scholarships  | 438,780.25                   | 10,724.39                |            | 449,504.64                  | 28,495.99     |
| Funds for Old Style Pensions Funds for special Purposes             | 261,422.49                   | 1,663.25                 |            | 261,422.49<br>95,469.82     | 16,860.50     |
|   | \$6,342,548.24               | \$809,266.02             |            | \$7,151,814.26              | \$451,941.01  |
| Plus Undistributed Gain   | 305,272,54                   | 92,562.68                |            | 397,835.22                  |               |
| Total Consolidated Funds  | 6,647,820.78                 | 901,828.70               | 4,517.50   | 7,549,649.48                |               |
| Total Funds   | \$ 9,401,885.53              | \$1,223,830.48           | \$4,517.50 | \$10,621,198.51             | \$451,941.01  |

## INCREASES IN CONSOLIDATED AND NON-CONSOLIDATED FUNDS

| 24 000  | \$987,888.40                     | 31,417.09                       | 07 07 00                               | 92,302.08                | 71,208.60                    | \$ 40,753.71                |
|---|----------------------------------|---------------------------------|--|--------------------------|------------------------------|-----------------------------|
| The Book Value Increases \$1,223,830.48 as follows: | Uonations for additions to funds | Income transferred to Principal | Net Gains on securities Sold & Called: | Consolidated Investments | wm. Pyle Philips Investments | Wm. Maul Measey Investments |

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| 71,208.60 | 10,753.71 |
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### INCOME RETURN:

The net income return after allowing commission to our fiscal agent was 5.98% on book value of all investments at end of year.

## CLASSIFICATION OF INVESTMENTS AUGUST 31ST, 1955

| ount<br>Market Value          | 120,431.25                                      | 315,077.54<br>435,508.79 |                 | 107,707.00   | 20,700.00    |              | 41,084.50         | 648,185.13     | 26,025.00     | 1 095 00  | 00.0004   |               |                              |                        | \$4.966.969.32 |                 |
|-------------------------------|---|--------------------------|-----------------|--------------|--------------|--------------|-------------------|----------------|---------------|-----------|-----------|---------------|------------------------------|------------------------|----------------|-----------------|
| Non-Consolidated Account      |   | 401,810.13               |                 |              | 120,169.97   |              |                   |                | 2,529,102.92  | 1 095 00  |           |               |                              |                        | 19,441.01      | \$3,071,549.03  |
| No<br>Book Value              | 115,489.75                                      | 286,320.38               |                 | 104,702.22   | 15,467.75    |              | 23,354.80         | 378,460.87     | 19,219.83     | 1 095 00  | 2000004   |               |                              | 3                      | 19,441.01      |                 |
| Total                         |   | 1,607,523.67             |                 |              | 1,811,481.50 |              |                   |                | 6,664,364.88  | 00 A36 A5 | 0.000     |               | 431,261.09                   |                        | 224,166.45     | \$10,831,234.04 |
| Market Value                  | \$216,920.00<br>208,830.67<br>230,685.00        | 809,413.00               |                 | 1,046,767.50 | 233,000.00   |              | 1,266,418.75      | 1,478,404.38   | 209,579.00    |           |           |               |                              |                        |                |                 |
| Consolidated Account<br>Total |   | 1,543,270.15             |                 |              | 1,740,802.19 |              |                   |                | 3,517,713.15  | 00 436 45 | 02.002.67 |               | 431,261.09                   |                        | 224,166.45     | \$7,549,649.48  |
| Book Value                    | \$217,500.00<br>203,239.99<br>234,146.87        | 744,289.53               |                 | 1,031,286.80 | 180,676.80   |              | 1 582 046 02      | 1,060,608.10   | 51,384.00     | 09 436 45 | 04.00046  |               | 431,261.09                   |                        | 224,166.45     |                 |
| BONDS                         | Government, U.S<br>Industrial<br>Public Utility | Railroad                 | PREFERRED STOCK | Industrial   | Railroad     | COMMON STOCK | Banks & Insurance | Public Utility | Miscellaneous | MORTGAGES |           | MISCELLANEOUS | (Including Campus<br>Houses) | CASH due to Funds from | Corporation    |                 |

NOTE: There is also held \$2,050.00 in non-interest bearing U.S. Savings Bonds Series "F" (all in Safe Keeping) allocated as Donations — Field House.

There are \$56,614.06 Banks & Insurance Co. Stock not included in the above figures being holdings in C. Wharton Stork Art Gift Fund, which is not included in the Funds. This Fund has an overdraft in Principal cash of \$33,414.06.

### SUMMARY OF THE ACCOUNTS OF

### THE CORPORATION OF HAVERFORD COLLEGE

### WM. MORRIS MAIER, TREASURER

### ALDO CASELLI, COMPTROLLER

For the Year Ending Eighth Month 31, 1955

### RECEIPTS

| Income from Endowment Funds Consolidated:   |  |                                       |            |
|---|--|---------------------------------------|------------|
| Funds for General Purposes T. Wistar Brown Graduate Sch. Fd. Morris Infirmary Fund Haverford Union Funds Scholarship Funds Library Funds Old Style Pensions Funds Special Purpose Funds | \$353,279.23<br>24,183.14<br>948.91<br>121.18<br>28,495.99<br>21,612.58<br>16,860.50<br>6,439.48 | 451,941.01                            |            |
| Income from Non-Consolidated Funds:   |  |                                       |            |
| John Farnum Memorial Fund   | 1,713.79<br>1,148.26<br>114,523.26<br>2,000.00<br>102.15<br>9,324.71<br>1,436.35<br>49,927.08    | 180,175.60                            | 632,116.61 |
| Income from College Sources:  |  |                                       |            |
| Tuition   |  | 311,775.00<br>179,661.13<br>82,475.00 |            |
| Rents   | 3,395.00   |                                       |            |
| & Employees  Meals: Day Students  Faculty, Special events   | 4,547.96<br>2,230.82   |                                       |            |
| Guests and Employees Summer Conferences   | 23,811.75<br>14,181.26   | 48,166.79                             |            |
| Miscellaneous Collections:  |  |                                       |            |
| Snack Bar. Bookstore. Infirmary Fines. Transcripts Sale of wood & furniture. Rent of truck and land.  | 1,479.54<br>685.78<br>589.96<br>996.25<br>661.13<br>97.58<br>410.88                              |                                       |            |
|   |  |                                       |            |

\$632,116.61

| Forward,  |                    | \$622,077.92 | \$632,116.61   |
|---|--------------------|--------------|----------------|
| Miscellaneous Collections (continued)   |                    |              | ,              |
|   |                    |              |                |
| Admissions to games   | 2,148.65           |              |                |
| Sundry Collections  | 3,133.19           |              |                |
| Discounts Earned  | 604.78<br>3,184.53 |              |                |
| T. A. Benham's Project — overhead<br>Unit Fee   | 13,374.05          |              |                |
| Rental of Dining Room   | 7,000.00           |              |                |
| From Philips account for public   | 1,000.00           |              |                |
| relations costs   | 3,000.00           | 37,366.32    | 659,444.24     |
|   |                    |              |                |
| Interest Received   |                    |              | 1,908.71       |
| Donations for Additions to Funds  |                    |              |                |
| (as per schedule  |                    |              | 987,888.40     |
| (as per sensuals vivial and a sensual and a |                    |              | ,              |
| Donations other than Funds  |                    |              |                |
| Interest on Radio Club Funds  |                    |              | 78.34          |
| For Art   |                    | 57.30        |                |
| For Music:  |                    |              |                |
| From Friends of Music   | 741.00             |              |                |
| For Deficit   | 209.34             | 950.34       |                |
| For Athletics (from G.P. Foley)   |                    | 95.26        |                |
| For Books (from Book Assc. of   |                    |              |                |
| Friends)  | 50.00              |              |                |
| (from Bernard Hollander)  | 5.00               |              |                |
| (from D. D. Carroll)  | 25.00              |              |                |
| (from Library Associates)<br>(from Matzke Royalties)  | 553.00<br>26.24    |              |                |
| (from F. Pomerantz)   | 10.00              |              |                |
| (from E. Pomerantz)(from Sundry for J.A. Kelly  | 10.00              |              |                |
| Book)   | 415.00             | 1,084.74     |                |
|   |                    | -,           |                |
| For Scholarships:   |                    |              |                |
| From Wm. Deisches Fund  | 200.00             |              |                |
| From Friends Freedmens Assn   | 3,000.00           |              |                |
| From Christopher Reynolds Fdn   | 3,500.00           |              |                |
| From Shoemaker Foundation   | 3,000.00           |              |                |
| From Anonymous Donor  | 1,100.00           |              |                |
| From Haverford Society of Md  | 371.50             |              |                |
| From Haverford Society of New   | 500.00             |              |                |
| England   | 585.78             |              |                |
| From Students Assn. of College  | 591.50             |              |                |
| From Paul Cates   | 875.00             |              |                |
| From Mt. Hollywood Congregational   |                    |              |                |
| Church  | 200.00             |              |                |
| Church  | 40.50              |              |                |
| From Roy S. Shoemaker Fund  | 600.00             |              |                |
| From Isabel Z. Fulton   | 200.00             |              |                |
| From Towers, Perrin, Forster & Crosby   | 850.00             |              |                |
| From Westtown School  | 400.00             |              |                |
| From Charles J. Rhoads From Supreme Chapter P.E.O   | 687.50<br>675.00   |              |                |
| From Charles M. Phelps  | 500.00             |              |                |
| From Ford Gurrell Memorial  | 500.00             |              |                |
| Scholarship   | 250.00             |              |                |
| From Bulletin Contributionship  | 500.00             |              |                |
| From Mary Frames Nunns  | 1,000.00           |              |                |
| From Guggenheim Funds   | 1,350.00           |              |                |
| From Board of Education   | 1,200.00           |              |                |
| From Class of 1952 Gift   | 518.52             | 22,695.30    |                |
| Forward   |                    |              | \$2,281,436.30 |
|   |                    |              |                |

| Forward   |   |  | \$2,281,436.30 |
|---|---|--|----------------|
| Donations other than Funds (continued)  |   |  |                |
| For Alumni Association Salaries   |   | 4,748.75<br>126.00   |                |
| For General Purposes:   |   | 1,300.00   |                |
| from C. Newton from Phila. Quartz. from Standard Oil Corp. N.J. from Pole-Hall Fund from Yarnall Waring Co. from F. Murphey. from M. Albert Linton. from Merrill, Lynch, Pierce, Fenner & Beane. from Danforth Foundation from Class of 1930 from Penna. Foundation of Independent Colleges                             | 100.00<br>5,000.00<br>5,000.00<br>100.00<br>2,000.00<br>2,000.00<br>1,200.00<br>1,000.00<br>5,000.00<br>355.00<br>12,817.98 |  |                |
| from Wm. G. Rhoads  | 1,000.00  | 35,572.98  |                |
| For Sundry expenses charged to Budget   |   | 2,460.00   |                |
| (from National Science Fdn.)  |   | 6,200.00   |                |
| For Sundry (from Fund for the Republic)   |   | 3,000.00   |                |
| For Reading Seminar (from Rockefeller Foundation)   |   | 7,796.18   |                |
| For Chemistry Department<br>(from E. I. DuPont de Nemours Co  |   | 2,500.00   | 88,786.85      |
| For Human Relations gift (dividends)  |   |  | 162.00         |
| Additions to Funds – Income Transferred to Principal  |   |  |                |
| 1949 Campaign Salary Fund. Rufus M. Jones for Advancement of Teaching. Moses Brown Fund. 1949 Campaign Library Fund. 1949 Campaign Scholarship Fund. Mary Farnum Brown Library Fund. Max Leuchter Scholarship Fund. Isaac Thorne Johnson Scholarship Fund. George Peirce Prize Fund. Mathematics Department Prize Fund. |   | 1,126.65  2,286.33  2,418.31  223.75  287.02  13.93  442.28  204.03  165.25  41.02 |                |
| Wm. Maul Measey Fund  |   | 24,001.54<br>206.98  | 31,417.09      |
| (see account)<br>Pensions   |   | 7,374.70   |                |
| Interest  |   | 2,128.75   | 9,503.45       |
| Death Benefit for Non-Faculty   |   |  | 1,000.00       |
| Forward   |   |  | \$2,412,305.69 |

| Forward                                       |                       |                        | \$2,412,305.69 |
|---|-----------------------|------------------------|----------------|
| Miscellaneous Items to Balance Accounts       |                       |                        |                |
| Library Collections                           |                       | 716.58                 |                |
| Skating Pond Receipts                         |                       | 1,026.00<br>101,956.14 |                |
| Sales Tax Collected                           |                       | 464.88                 |                |
| Advances                                      |                       | 1,983.00               |                |
| In & Out                                      |                       | 1,475.59               |                |
| & others for work done                        |                       | 6,652.37               |                |
| Student Store - Gross Sales                   |                       | 19,738.20              |                |
| Loans - Repaid                                |                       | 12,000.00              |                |
| Student Affairs                               |                       | 392.51 $46,763.22$     |                |
| Accounts Receivable - Students                |                       | 698,719.46             |                |
| Accounts Receivable - Employees               |                       | 46,750.67              |                |
| Accounts Receivable – Government Over & Short |                       | 48,541.83<br>126.00    |                |
| Treasurer's In & Out                          |                       | 33,136.17              | 1,020,442.62   |
| re plate a dept dre                           |                       |                        |                |
| Items Relating to other Fiscal Years          |                       | 00 011 #0              |                |
| Advance Receipts for following years          |                       | 23,211.72<br>40,288.57 |                |
| Expenses for following years                  |                       | 61,122.65              |                |
| Prepaid Insurance                             |                       | 11,367.35              |                |
| Accounts Payable                              |                       | 2,927.58<br>3,564.48   |                |
| Reserve for Barclay Hall Repairs - Applied    |                       | 3,430.63               |                |
| Inventories                                   |                       | 12,783.34              | 158,696.32     |
| New Construction                              |                       |                        |                |
|   |                       |                        | 115 000 00     |
| From Corporation of Haverford College         |                       |                        | 115,000.00     |
| Investments Realized                          |                       |                        |                |
| Consolidated Investments                      |                       |                        |                |
| Bonds:  | 6 070 50              |                        |                |
| Industrial                                    | 6,872.58<br>42,841.47 |                        |                |
| Public Utility                                | 90,816.63             |                        |                |
| Railroad                                      | 110,500.00            |                        |                |
| Instr. of Government                          | 25,000.00             |                        |                |
| Industrial                                    | 369,761.56            |                        |                |
| Railroad                                      | 44,000.00             |                        |                |
| Miscellaneous                                 | 3,924.00              |                        |                |
| Banks & Insurance                             | 13,436.62             |                        |                |
| Industrial                                    | 184,031.42            |                        |                |
| Public Utility                                | 51,547.72             |                        |                |
| Mortgages Payments on account                 | 50,212.52             |                        |                |
| Miscellaneous                                 | 25,697.41             | 1,018,641.93           |                |
| William Pyle Philips Investments              |                       |                        |                |
| Bonds   |                       |                        |                |
| Railroad                                      | 7,500.00              |                        |                |
| Common Stock                                  |                       |                        |                |
| Industrial                                    | 137,589.09<br>653.32  |                        |                |
| Miscellaneous                                 | 105.66                | 145,848.07             |                |
|   | -                     |                        |                |
|   |                       |                        |                |

\$3,706,444.63

Forward.....

| Forward                                      |                        |            | <b>\$</b> 3,706,444.63 |
|--|------------------------|------------|------------------------|
| Investments Realized (continued)             |                        |            |                        |
| William Maul Measey Investments              |                        |            |                        |
| Common Stock<br>Industrial<br>Public Utility | 93,579.80<br>39,736.39 |            |                        |
| Preferred Stock<br>Industrial                | 4,509.81               | 137,826.00 |                        |
| John Farnum Memorial Fund                    |                        | 9,222.00   | 1,311,538.00           |
| Balance September 1, 1954                    |                        |            |                        |
| In Treasurer's Account                       |                        | 25,264.20  |                        |
| In President's Account                       |                        | 16,589.71  |                        |
| In Wm. Maul Measey Account                   |                        | 10,248.93  | 52,102.84              |
| TOTAL  | RECEIPTS               |            | \$5,070,085.47         |

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### EXPENDITURES

### Expenses of Running the College

### Administration

| Salaries   | \$89,867.29<br>6,812.84<br>2,408.19<br>1,989.92<br>256.97<br>930.25<br>1,368.38<br>291.22<br>2,898.44<br>7,430.77<br>5,211.26<br>3,838.26<br>708.86 | 124,012.65 |
|--|---|------------|
| Salaries Supplies & Postage. Services. Water, Heat, Light, Power Telegraph & Telephone Replacement & Repair Additional Equipment Taxes Insurance. Traveling Not Elsewhere Classified.  Maintenance & Operation | 410,121.42<br>24,325.28<br>5,670.64<br>23.19<br>2,891.99<br>125.00<br>82.00<br>5,469.71<br>1,476.95<br>3,819.41<br>5,185.29                         | 459,190.88 |
| Wages  | 101,907.38<br>5,525.70<br>17,803.16<br>34,975.21<br>482.11<br>28,974.46<br>1,072.49<br>9,275.96<br>8,068.42<br>208,084.89<br>- 9,568.03             | 198,516.86 |
| Salaries Supplies Services Water, Heat, Light, Power Telegraph & Telephone Replacement & Repair Taxes Insurance Traveling  | 64,369.32<br>101,920.77<br>14,439.98<br>5,336.99<br>409.30<br>25,842.07<br>880.35<br>186.99<br>289.24   | 213,675.01 |

### Expenses of Running the College (continued) . . .

| Development   |  |  |                |
|---|--|--|----------------|
| Salaries Supplies Services Telegraph & Telephone Taxes Insurance Traveling  | \$15,243.55<br>7,365.48<br>4,807.82<br>619.94<br>267.91<br>49.08<br>416.26                   | 28,770.04                                      | 1,024,165.44   |
| itavening   | 410.20   | 20,110.04                                      | 1,024,100.44   |
| Total Expenses of Running the College   |  |  | 1,024,165.44   |
| Miscellaneous Expenses  |  |  |                |
| Treasurer's, Secretary's, Legal Expenses and Services Old Style Pensions Interest Stork Art Gift-shortage of income Ninth 1/10 cost of New Boiler Power Plant Ninth 1/10 cost of repairs to Barclay Hall Work Aid to Students Pensions to Non-Faculty & Reserve | 12,615.11<br>28,161.96<br>2,411.01<br>151.54<br>3,564.48<br>3,430.63<br>6,135.90<br>7,374.70 |  |                |
| Reserve for Death Benefit for Non-Faculty   | 1,000.00<br>13,459.76  |  | 78,305.09      |
| Expenditures from Income of Funds   |  |  |                |
| For Scholarships  |  |  |                |
| From General Funds  From Scholarship Funds  From Wm. Maul Measey Fund  For Fellowsbips  | 4,748.12<br>22,500.00  | 27,248.12<br>23,919.40<br>1,500.00<br>4,275.00 | 56,942.52      |
| Expenditures from Income of Augustus Taber<br>Murray Fund   |  |  |                |
| Annuity   |  |  | 980.00         |
| Expenditures from Income of Funds for Library   |  |  |                |
| Lectures  |  | 163.50<br>9,523.49                             | 9,686.99       |
| Expenditures from Income of Funds for<br>Special Purposes   |  |  |                |
| Visitors. Lectures Books. Prizes Cherokee Project.  |  | 360.00<br>124.50<br>449.77<br>575.00<br>733.05 |                |
| Forward   |  |  | \$1,170,080.04 |

| Forward   |                    |   | \$1,170,080.04 |
|---|--------------------|---|----------------|
| Expenditures from Income of Funds for Special Purposes (continued)                                    |                    |   |                |
| Planting & Grounds Religious Education Committee. Observatory Work Camp Fees Students Trip            |                    | 840.70<br>200.00<br>678.89<br>78.00<br>133.71 | 4,173.62       |
| Expenditures from Principal of Wm. Pyle Philips   |                    |   | -,             |
| Payment made in accordance with agreement with Executors.   |                    |   | 4,000.00       |
| Expenditures from William Pyle Philips<br>Fund – Special  |                    |   |                |
| Visitors  |                    | 19,368.79<br>600.00<br>13,013.52<br>11,526.27 | 44,508.58      |
| Expenditures from Donations other than Funds  |                    |   |                |
| For Art For Music For Library:  |                    | 106.24<br>900.34                              |                |
| Books.<br>Speakers<br>For Prizes<br>For Scholarships  | 326.85<br>547.18   | 874.03<br>25.00<br>20,434.10                  |                |
| For work in Treasure room.  For Student Aid.  For Student loans                                       | 2,128.75<br>265.00 | 2,804.73<br>125.00<br>2,393.75                |                |
| For Alumni Association Salaries   |                    | 4,748.75<br>102.49<br>49.00<br>1,226.67       |                |
| For General Purposes For Refund to Foundation. For Sharpless Renovation For Fund for Republic Project |                    | 12,748.03<br>320.00<br>2,973.36<br>867.89     |                |
| For R. James Project  |                    | 1,096.50<br>8,376.06<br>549.28                |                |
| For Gold Coast Project For Chemistry Department For Biology. For Mathematics                          |                    | 3,267.61<br>2,440.38<br>4,895.18<br>183.07    | 00 455 03      |
| For National Science Foundation Project   |                    | 8,949.55                                      | 80,457.01      |
| Non Faculty Pensions Paid from Reserve  |                    |   | 2,189.70       |
| Death Bene/it ~ Paid  |                    |   | 1,000.00       |
| Forward   |                    |   | \$1,306,408.95 |

\$1,306,408.95 Miscellaneous Items to Balance Account 531.09 686.79 95,173.01 464.88 1,983.00 Advances In and Out..... 1,595,91 Work in Progress..... 6,842.71 Student Store - Purchases & Operation . . . . 18,805.70 3,400.00 Loans Student Affairs...... 56.24 Bookstore - Purchases & Operations . . . . . Accounts Receivable from Students-charges. 46,140,90 697,843.43 35,785.55 Accounts Receivable from Employees-charges Accounts Receivable from Government-charges 31.834.86 297.75 941.441.82 Items Relating to other Fiscal Years 13,363.58 Advance Receipts - Applied . . . . . . . . . . . . 5,998.39 69,789.80 Rooms paid for in advance - Applied . . . . . 12,520.23 3,455.06 14,360.24 119,487.30 New Construction 217,960.55 7,918.62 740.26 739 College Ave – Garage & Roof
753 College Ave – Roof
3 College Circle – Roof 31,813.74 1,625.17 631.00 1.202.00 Merion Renovation..... 20,104.02 281,995.36

### Income Transferred to Principal

| ·                                     |           |           |
|---------------------------------------|-----------|-----------|
| 1949 Campaign Salary Fund             | 1,126.65  |           |
| Rufus M. Jones for Advancement        |           |           |
| of Teaching                           | 2,286.33  |           |
| Moses Brown Fund                      | 2,418.31  |           |
| 1949 Campaign Library Fund            | 223.75    |           |
| 1949 Campaign Scholarship Fund        | 287.02    |           |
| Mary Farnum Brown Library Fund        | 13.93     |           |
| Max Leuchter Scholarship Fund         | 442.28    |           |
| Isaac Thorne Johnson Scholarship Fund | 204.03    |           |
| George Peirce Prize Fund              | 165.25    |           |
| Mathematics Department Prize Fund     | 41.02     |           |
| Wm. Maul Measey Fund                  | 24,001.54 |           |
| Jacob & Eugenie Bucky Foundation      | 206.98    | 31,417.09 |
|                                       |           |           |

\$5,070,085.47

### Investments Made or Donated

### Consolidated Investments

| Bonds                            |            |              |              |
|----------------------------------|------------|--------------|--------------|
| Municipal                        | 43.028.75  |              |              |
| Industrial                       | 55,037.50  |              |              |
| Public Utility                   | 51,350.00  |              |              |
| Railroad                         | 161,134.66 |              |              |
| Instrumentality of Govn          | 124,093.76 |              |              |
|                                  | 121,070110 |              |              |
| Preferred Stock                  |            |              |              |
| Industrial                       | 806,703.84 |              |              |
| Public Utility                   | 112,286.04 |              |              |
| ·                                |            |              |              |
| Common Stock                     |            |              |              |
| Banks & Insurance                | 35,115.07  |              |              |
| Industrial                       | 157,053.57 |              |              |
| Public Utility                   | 143,777.07 |              |              |
| Miscellaneous                    | 4.00       |              |              |
|                                  |            |              |              |
| Mortgages                        | 3,293.75   |              |              |
| 14: 11                           | 04.040.10  | 1 717 006 00 |              |
| Miscellaneous                    | 24,348.19  | 1,717,226.20 |              |
| William Pyle Philips Investments |            |              |              |
| miliam Fyle Follips Investments  |            |              |              |
| Bonds                            |            |              |              |
| Industrial                       | 100,408.75 |              |              |
| Preferred Stock                  | 100,100110 |              |              |
| Industrial                       | 12.72      |              |              |
|                                  |            |              |              |
| Common Stock                     |            |              |              |
| Banks & Insurance                | 7.75       |              |              |
| Industrial                       | 153,085.63 |              |              |
| Public Utility                   | 32,586.07  | 286,100.92   |              |
|                                  |            |              |              |
| William Maul Measey Investments  |            |              |              |
| n / In I                         |            |              |              |
| Preferred Stock                  | 0.605.10   |              |              |
| Industrial                       | 2,695.13   |              |              |
| Common Stock                     |            |              |              |
| Industrial                       | 192,941.43 |              |              |
| Public Utility                   | 6,915.25   | 202,551.81   | 2,205,878.93 |
| Tublic Othity                    | 0,710.20   | 202,001101   | 2,200,010170 |
| Balance August 31, 1955          |            |              |              |
|                                  |            |              |              |
| Treasurer's Account              |            | 141,589.11   |              |
| President's Account              |            | 11,416.71    |              |
|                                  |            |              | 100 156 00   |
| Wm. Maul Measey Account          |            | 30,450.20    | 183,456.02   |
|                                  |            |              |              |

TOTAL EXPENDITURES

### Laturence E. Brown & Company

### Certified Jublic Accountants (PENNSYLVANIA)

1917 FIDELITY-PHILADELPHIA TRUST BUILDING

PHILADELPHIA

October 10, 1955

Board of Managers The Corporation of Haverford College Haverford, Penna.

Dear Sirs:

ADDISON R BROWN W EDWIN DILL

ADDISON R BROWN, JR

ALBERT F ZANGER

We have examined the statement of receipts and expenditures and the operating statement for the fiscal year ended 8th Month 31, 1955, 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 March 31, 1955 with the balance on deposit in bank; and the examination of the securities held by the Provident Trust Company and Fidelity-Philadelphia Trust Company as fiscal agents for the Corporation,

We also made an examination of the Haverford College Building Program Balance Sheet as at June 9, 1955 and the Statement of Income and Expenses for the period November 1, 1952 to June 9, 1955.

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, 1955, in conformity with generally accepted accounting Principles applied on a basis consistent with that of the preceding year.

Very truly yours,

LAWRENCE E. BROWN & CO. Certified Public Accountants.

### DONATIONS FOR ADDITIONS TO FUNDS

| MORRIS E. LEEDS FUND  |  |               |
|---|--|---------------|
| Final distribution from estate  |  | \$ 767,238.20 |
| 1949 CAMPAIGN SALARY FUND   |  |               |
| Gifts from various donors (through 1949 Campaign)   |  | 8,000.00      |
| RUFUS M. JONES FOR ADVANCEMENT OF<br>TEACHING   |  |               |
| Gifts from various donors (through 1949 Campaign)   |  | 8,000.00      |
| WILLIAM B. BELL FUND  |  |               |
| Supplemental distribution   |  | 2,271.21      |
| CLASS OF 1937 FUND  |  |               |
| Gift of Margaret A. Lester  |  | 4,500.00      |
| LOUIS JAQUETTE PALMER SCHOLARSHIP FUND  |  |               |
| From Triangle Society   |  | 377.00        |
| CLASS OF 1917 SCHOLARSHIP FUND  |  |               |
| Joseph W. Greene H. Lawrence Jones Wm. Henry Chamberlin M. Alexander Laverty Hugh E. McKinstry Arthur H. Napier Dr. Newlin F. Paxson M. Arthur Spellissy John W. Spaeth, Jr. Loring Dam J. Howard Buzby | 100.00<br>25.00<br>15.00<br>10.00<br>50.00<br>5.00<br>15.00<br>100.00<br>10.00<br>25.00<br>40.00 | 395.00        |
| ELIHU GRANT MEMORIAL SCHOLARSHIP FUND   |  |               |
| Proceeds from sale of books   |  | 19.06         |
| 1949 CAMPAIGN SCHOLARSHIP FUND  |  |               |
| Gifts from various donors (through 1949<br>Campaign)  |  | 3,200.00      |
| MAX LEUCHTER SCHOLARSHIP FUND   |  |               |
| Gift of Ben Leuchter  |  | 500.00        |
| A. CLEMENT WILD SCHOLARSHIP FUND  |  |               |
| (through 1949 Campaign)<br>From Mrs. Gertrude A. Wild   |  | 5,300.00      |
| Forward   |  | \$799,800.47  |

| Donations for Additions to Funds (continued)      |               |
|---|---------------|
| Forward   | \$ 799,800.47 |
| 1949 CAMPAIGN LIBRARY FUND                        |               |
| Gifts from various donors (through 1949 Campaign) | 800.008       |
| JACOB & EUGENIE BUCKY MEMORIAL FOUNDATION         |               |
| Additional gift                                   | 1,000.00      |
| DAVID R. BOWEN PREMEDICAL FUND                    |               |
| Gift of Andrew Crichton                           | 250.00        |
| WILLIAM PYLE PHILIPS FUND                         |               |
| Final distribution of estate                      | 149,537.93    |
| WILLIAM MAUL MEASEY FUND                          |               |
| Gifts of William Maul Measey                      | 36,500.00     |
| TOTAL DONATIONS FOR ADDITIONS TO FUNDS            | \$987,888.40  |

# CONTRIBUTORS TO THE "LIBRARY ASSOCIATES"

| Name  | Amount        |
|---|---------------|
| Mr. & Mrs. Eugene C. Alder                                  | \$ 3.00       |
| Mr. & Mrs. A. H. Allen                                      | 2.00          |
| Dr. & Mrs. Kenneth E. Appel                                 | 20.00         |
| Mr. & Mrs. Manuel Asensio.                                  | 4.00          |
| Mrs. Robert M. Bird   | 3.00          |
| Mr. & Mrs. Harold W. Brecht.                                | 2.00          |
| Mr. & Mrs. Friedrich Bruns                                  | 5.00          |
| Mr. & Mrs. Aldo Caselli.                                    | 2.00          |
| Mr. & Mrs. William E. Cadbury, Jr. Mrs. George H. Chambers. | 4.00          |
| Mrs. Henry Clifford.  | 3.00          |
| Dr. & Mrs. J. Howard Cloud                                  | 50.00<br>2.00 |
| Mr. & Mrs. Hayward H. Coburn                                | 5.00          |
| Mrs. W. H. Collins  | 5.00          |
| Mr. & Mrs. Howard Comfort                                   | 2.00          |
| Mr. & Mrs. Bennett S. Cooper                                | 2.00          |
| Mr. & Mrs. Carlton Cressman                                 | 3.00          |
| Mr. Claude A. Cubberley                                     | 2.00          |
| Miss Meribah Delaplaine                                     | 2.00          |
| Mr. & Mrs. Thomas E. Drake                                  | 5.00          |
| Mr. William Bacon Evans                                     | 2.00          |
| Mr. & Mrs. Leonard L. Eyster                                | 2.00          |
| Dr. & Mrs. Clifford B. Farr                                 | 2.00          |
| Miss Kathryn V. Forrest                                     | 2.00          |
| Mrs. Herbert Fox  | 2.00          |
| Mrs. J. Holcombe Genung<br>Mr. & Mrs. Louis C. Green        | 5.00<br>2.00  |
| Mr. Morris M. Green   | 10.00         |
| Miss Gladys H. Griscom                                      | 5.00          |
| Mr. & Mrs. Edward Haack                                     | 3.00          |
| Miss Bertha E. Harding                                      | 5.00          |
| Mrs. T. H. Hart   | 2.00          |
| Miss Ethel Hastings   | 10.00         |
| Mrs. John V. Hastings, Jr                                   | 5.00          |
| Mr. & Mrs. Roy A. Helton                                    | 2.00          |
| Mr. & Mrs. John G. Herndon                                  | 4.00          |
| Miss Margaretta S. Hinchman                                 | 2.00          |
| Mrs. H. W. Hitchcock  | 5.00          |
| Mr. & Mrs. Howard J. Hogenauer                              | 15.00         |
| Mr. & Mrs. Clayton W. Holmes                                | 2.00          |
| Dr. & Mrs. Orville Horwitz                                  | 2.00<br>2.00  |
| Mrs. & Mrs. Holland Hunter                                  | 2.00          |
| Mr. & Mrs. Ames Johnston                                    | 5.00          |
| Mr. & Mrs. J. Barclay Jones                                 | 5.00          |
| Mr. John A, Kelly   | 4.00          |
| Mr. John D. Kenderdine                                      | 10.00         |
| Dr. & Mrs. John M. Kimmich                                  | 5.00          |
| Mr. & Mrs. John A. Lester                                   | 2.00          |
| Mr. & Mrs. John A. Lester, Jr.                              | 2.00          |
| Mr. & Mrs. M. Albert Linton                                 | 10.00         |
| Mr. & Mrs. Dean P. Lockwood                                 | 12.00         |
| Mr. & Mrs. Arthur B. Loder                                  | 10.00         |
| Mr. Wallace T. MacCaffrey                                   | 5.00          |
| Mr. & Mrs. Archibald MacIntosh                              | 2.00<br>5.00  |
| Mr. & Mrs. William M. Maier                                 | 5.00          |
| Mss Belle Matheson  | 3.00          |
| Mr. & Mrs. Michard W. Mecaskey                              |               |
|   |               |
|   | \$294.00      |
| Forward   | @274.00       |

# CONTRIBUTORS TO THE "LIBRARY ASSOCIATES"

| Name                             | Amoun    |
|----------------------------------|----------|
| Forward                          | \$294.00 |
| Miss Caroline Newton             | 10.00    |
| Mrs. Carroll B. Nichols          | 3.00     |
| Dr. & Mrs. Jesse T. Nicholson    | 20.00    |
| Mrs. Frank S. Niles              | 2.00     |
| Mr. & Mrs. Robert S. Noone       | 10.00    |
| Mr. & Mrs. Raymond T. Ohl        | 5.00     |
| Mr. & Mrs. Frederic Palmer       | 4.00     |
| Dr. Ethel G. Peirce              | 3.00     |
| Mr. & Mrs. Harry Pfund           | 4.00     |
| Mr. & Mrs. Clarence E. Pickett   | 4.00     |
| Mr. & Mrs. L. Arnold Post        | 9.00     |
| Mr. & Mrs. John S. Price         | 2.00     |
| Miss Ida W. Pritchett.           | 5.00     |
| Mr. Legh W. Reid                 | 3.00     |
| Mr. Thomas C. Reid               | 10.00    |
| Mr. Charles J. Rhoads            | 10.00    |
| Mr. & Mrs. John F. Rich          | 5.00     |
| Mr. Charles S. Ristine           | 5.00     |
| Mr. & Mrs. Leon H. Rittenhouse   | 2.00     |
| Mrs. Louis Barclay Robinson      | 20.00    |
| Mr. & Mrs. Ralph M. Sargent      | 10.00    |
| Mrs. Samuel Scoville, Jr.        | 2.00     |
| Miss H. Louise Searle.           | 2.00     |
| Mr. Francis P. Sharpless         | 2.00     |
| Mr. Lucius R. Shero              | 5.00     |
|                                  | 5.00     |
| Miss Mary C. Smith               | 5.00     |
|                                  | 2.00     |
| Mr. Freas B. Snyder              | 2.00     |
| Mr. & Mrs. Jonathan M. Steere    | 5.00     |
| Mrs. J. Stogdell Stokes          | 5.00     |
|                                  | 5.00     |
| Mr. Hugh E. Stone                | 10.00    |
| Mrs. Kenneth E. Stuart           | 2.00     |
|                                  | 2.00     |
| Miss Frances W. Terry            | 5.00     |
| Mrs. Arthur H. Thomas            | 10.00    |
| Miss Marjorie L. Thompson        | 4.00     |
| Mr. & Mrs. Edwin L. Voegel       | 2.00     |
| Mrs. Robert Waelder              | 2.00     |
| Mr. & Mrs. Frank D. Watson       | 5.00     |
| Mr. & Mrs. W. Nelson West, III   | 3.00     |
| Mr. & Mrs. Gilbert F. White      | 2.00     |
| Mr. H. Justice Williams          | 2.00     |
| Mr. & Mrs. William N. Wills      | 5.00     |
| Mr. Albert H. Watson             | 2.00     |
| Mr. & Mrs. Robert J. Wisner      | 5.00     |
| Miss Rebecca B. Wistar           | 10.00    |
| Mr. & Mrs. Thomas Wistar         | 2.00     |
| Mr. & Mrs. Alexander C. Wood, Jr | 2,00     |
|                                  |          |

# THE FRIENDS OF MUSIC AT HAVERFORD

| Name  |                     |
|---|---------------------|
|   | Amount              |
| Dr. Francis H. Adler<br>Janet Agnew                     | \$ 5.00             |
| L. P. Alexander   | 2.50                |
| Mrs. Howard K. Banernfeind                              | 10.00<br>5.00       |
| Mrs. Adele Bateman                                      | 2.50                |
| Wrs. John H. Bertolet                                   | 2.50                |
| miss Carol Dipa   | 2.50                |
| Miss Alice McMurtrie Biddle<br>Rebecca B. Bradbeer      | 30.00               |
| Rebecca B. Bradbeer<br>Mrs. T.R.S. Broughton.           | 5.00                |
| Mr. Friedrich Bruns                                     | 2.50<br>2.50        |
| Mr. John R. Cary  | 2.50                |
| Mary G. Cary  | 5.00                |
| Mrs. A. Cohen   | 5.00                |
| Mrs. W. H. Collins                                      | 5.00                |
| Mrs. Howard Comfort                                     | 2.50                |
| Mrs. W. W. Comfort                                      | 5.00                |
| Frances Wistar Brown Conti                              | 2.50                |
| Mr. & Mrs. Bennett S. Cooper<br>Mr. & Mrs. Spencer Coxe | 2.50                |
| Mr. James A. Crawford                                   | $\frac{5.00}{2.50}$ |
| Miss Elinor E. Curwen                                   | 2.50                |
| Miss Chris R. Custer                                    | 5.00                |
| Miss Louise A. Dickey                                   | 5.00                |
| Mrs. Henry S. Drinker                                   | 50.00               |
| Elkan-Vogel Co., Inc.                                   | 20.00               |
| Gertrude Ely  | 10.00               |
| Mrs. Samuel Emlen Mr. Spencer Ervin                     | 2.50                |
| Mrs. Edmund C. Evans                                    | 5.00<br>10.00       |
| Mrs. McClure Fahuestock                                 | 2.50                |
| Mrs. Ferdinando J. Falcone                              | 2.50                |
| Mr. Alfred A. Finch                                     | 10.00               |
| Mrs. Harrison F. Flippin                                | 2.50                |
| Clare Ray Ford  | 5.00                |
| Dr. & Mrs. Robert Forster                               | 2.50                |
| Mrs. Albert Fowler                                      | 2.50                |
| Sara K. Fuller Isabel Gamble.                           | $10.00 \\ 2.50$     |
| Mary K. Gibson  | 10.00               |
| Martha Miles Gordon                                     | 2.50                |
| Mrs. Louis C. Green                                     | 2.50                |
| Cynthia Griffin   | 2.50                |
| Mr. & Mrs. Marcel Gutwirth                              | 5.00                |
| Mr. Edward Handy  | 2.50                |
| Ethel Hastings  | 10.00               |
| Mrs. Nathan Hayward                                     | 5.00<br>3.00        |
| Mrs. Charles J. Hepburn, Jr. Mr. J. Bennett Hill, Jr.   | 5.00                |
| Mrs. Gilbert Hoag                                       | 2.50                |
| Mr. & Mrs. C. G. Hoag                                   | 5.00                |
| Mrs. Clayton Holmes                                     | 2.50                |
| Mr. & Mrs. Holland Hunter                               | 5.00                |
| Mr. Harry Ingersoll:                                    | 5.00                |
| Sophia Yarnall Jacobs                                   | 10.00               |
| Dr. John A. Kelly                                       | 2.50<br>5.00        |
| Mrs. George Kerbaugh<br>Mr. William M. Kift             | 5.00                |
| Mr. William M. Kitt                                     | 10.00               |
| Mrs. R. Lattimore                                       | 2.50                |
| Mr. & Mrs. Dean P. Lockwood                             | 2.50                |
| Forward   | \$363.00            |
|   |                     |

# THE FRIENDS OF MUSIC AT HAVERFORD

| Name  | Amount               |
|---|----------------------|
| Forward                                     | \$363.00             |
| Judith Logan                                | 2.50                 |
| Mrs. Howard Longstreth                      | 5.00                 |
| Mr. Wallace T. MacCaffrey                   | 10.00                |
| Marjorie N. MacCoy                          | 5.00                 |
| Miss Virginia A. McCall                     | 2.50                 |
| Mrs. John Markle                            | 2.50                 |
| Jane Martin                                 | 2.50                 |
| Mr. Fritz Mezger                            | 5.00                 |
| Miss A. Katherine Miller                    | 5.00                 |
| Mrs. M. Van Moppes                          | 2.50                 |
| G. C. Morris Mr. & Mrs. Strafford Newhall   | 10.00                |
| Miss Caroline Newton                        | 5.00                 |
| Mrs. R. C. Nichelson                        | 15.00                |
| Mr. Robert Scott Noone                      | $\frac{2.50}{10.00}$ |
| Mildred B. Northrop.                        | 2.50                 |
| Mr. & Mrs. Harry Pfund                      | 5.00                 |
| Mr. L. Arnold Post                          | 2.50                 |
| Mr. William Richard Reckmagel               | 2.50                 |
| Mr. Charles S. Rhoads                       | 10.00                |
| Mr. J. E. Rhoads                            | 10.00                |
| Mr. & Mrs. John F. Rich                     | 5.00                 |
| Miriam V. Ristine                           | 5.00                 |
| Caroline Robbins                            | 10.00                |
| Mr. Leon C. Robbins, Jr                     | 2.50                 |
| Mr. & Mrs. Ralph M. Sargent                 | 5.00                 |
| James E. Sax                                | 2.50                 |
| Miss Ann Sayden                             | 2.50                 |
| Mrs. Richard J. Schutte                     | 2.50                 |
| Mr. & Mrs. Thomas Sharpless                 | 5.00                 |
| Mary C. Smith                               | 5.00                 |
| Mrs. E. D. Snyder                           | 2.50                 |
| Mr. & Mrs. Alex C. Soper<br>Mary H. Steen   | 5.00<br>5.00         |
| Mrs. J. Stogdell Stokes                     | 5.00                 |
| Mr. S. Emlen Stokes                         | 10.00                |
| Mr. G. Frederick Stork                      | 2.50                 |
| Mr. Joseph F. Sullivan                      | 2.50                 |
| Mrs. Harrison Taylor                        | 5.00                 |
| Mrs. Howard M. Teaf, Jr                     | 2.50                 |
| Mrs. Arthur H. Thomas                       | 5.00                 |
| Miss Carol H. Thomas                        | 7.50                 |
| Mr. Ray Twardoska                           | 2.50                 |
| Beatrice W. Ufford                          | 5.00                 |
| Mrs. J. R. Ulrich                           | 2.50                 |
| Mrs. Andrew C. Vanclain                     | 2.50                 |
| Mr. & Mrs. Harold VanDoren                  | 5.00                 |
| Paula H. VanValkenburg                      | 5.00<br>2.50         |
| Anacleta C. Vezzeth                         | 10.00                |
| Mr. & Mrs. Adolph Vogel Dr. Adolph W. Vogel | 5.00                 |
| Jane Walker                                 | 2.50                 |
| Mr. Henry F. Wanning                        | 10.00                |
| Mr. Esther C. Warren                        | 3.00                 |
| Dr. Frank D. Watson                         | 2.50                 |
| Dr. & Mrs. Gilbert White                    | 5.00                 |
| Mrs. William White                          | 2.50                 |
| Mr. A. H. Wilson                            | 10.00                |
| Mr. H. Justice Williams                     | 5.00                 |
| Miss Ellen Winsor                           | 10.00                |
| Forward                                     | <b>\$</b> 668.50     |
|   |                      |

# THE FRIENDS OF MUSIC AT HAVERFORD

| Name  | Amount                                 |
|---|--|
| Forward   | <b>\$</b> 668.50                       |
| Mr. Alexander C. Wood Mr. Kenneth S. Woodroofe Mrs. Raymond D. B. Wright Mr. & Mrs. George L. Zimmerman | 5.00<br>2.50<br>5.00<br>10.00 \$691.00 |
| Mrs. Henry S. Drinker   | \$741.00                               |

# CONTRIBUTORS TO THE "CAMPUS CLUB"

| Name                      | Amount   |
|---------------------------|----------|
| Mr. Aldo Caselli          | \$ 2.00  |
| Mr. Aubrey C. Dickson, Jr | 5.00     |
| Mr. Charles Evans         | 10.00    |
| Miss Gladys Griscom       | 5.00     |
| Mr. John W. Muir          | 5.00     |
| Mr. Robert S. Noone       | 25.00    |
| Dr. & Mrs. R. N. Sargent  | 10.00    |
| Mrs. Francis H. Scheetz   | 2.00     |
| Mr. Laird H. Simons, Jr   | 20.00    |
| Mr. A. K. Smiley          | 12.00    |
| Mrs. Mabel C. Smiley      | 10.00    |
| Mr. A. G. Tatnall         | 5.00     |
| Mr. W. Wyclif Walton      | 10.00    |
| Dr. A. H. Wilson          | 5.00     |
|                           |          |
|                           | \$126.00 |

# THE CORPORATION OF HAVERFORD COLLEGE

# NON-FACULTY PENSIONS ACCOUNT

# RECEIPTS

| Balance September 1, 1954                  | \$42,575.08 |   |
|--|-------------|---|
| Composed of Reserves and                   |             |   |
| Interest Accumulated                       |             |   |
|  |             |   |
|  |             |   |
| Added:                                     |             |   |
| Yearly payment for future services         | 737.00      |   |
| 7.1.7                                      |             |   |
| Toward funding liability for past services | 4,448.00    |   |
| Account payments to retired persons        | 2,189.70    |   |
|  | ·           |   |
| Interest                                   | 2,128.75    | \$52,078.53                             |
|  |             |   |
|  |             |   |
| EXPENDITURES                               |             |   |
| Pensions paid to three persons:            |             |   |
| M. Norris, J.O. Rantz & H. Wilson          |             | 2,189.70                                |
|  |             | *****                                   |
| Balance August 31, 1955                    |             | \$49,888.83                             |
|  |             | , |

# REPORT NO. 29 OF

# "LOAN FUND"

# Established 1926

# Current Year 1954 - 1955

| Cash balance on hand August 31, 1954 6 Loans repaid during the year 7 Partial payments on loans during year Interest received during the year   | \$ 5,798.80<br>1,694.57<br>588.57<br>358.18<br>\$ 8,440.12                  |
|---|---|
| Operating Expenses 20 Loans made during year Cash on hand, August 31, 1955. Loans outstanding, August 31, 1955 Interest outstanding, August 31, 1955 Total Resources, August 31, 1955.              | 4,995,90 $3,444.22$ $17,498.10$ $-1,248.42$ $$22,190.74$                    |
| Total to August 31, 1955  |   |
| Gifts and Donations. 430 Loans Repaid. 572 Payments on loans Interest paid up. Other sundry collections Total receipts. Repayments of gifts & donations. \$21,708.05 Loss on funds and Merion Title | \$28,131.14<br>66,414.38<br>25,705.10<br>16,528.57<br>50.02<br>\$136,829.21 |
| & Trust Co  | 133,384.99  |
| Cash balance on hand August 31, 1955  | 3,444.22<br>1,248.42<br>17,498.10   |
|   | \$22,190.74   |



#### 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; 1954, Maria Luisa Gildemeister, \$500. Present book value, \$97,795.14. The income is used for salaries and scholarships.

## JOHN FARNUM MEMORIAL FUND

Founded in 1878 by the heirs of John Farnum by gift of \$25,000 as a memorial to him. Added to in 1899 by legacy of \$10,000 from Elizabeth H. Farnum, widow of John Farnum. The income only is to be used to endow a "professorship of some practical science or literature." The chair of chemistry was designated as the "John Farnum Professor of Chemistry." The principal is held in the name of three Trustees for the benefit of The Corporation of Haverford College. Present book value, \$31,857.69

## JOHN M. WHITALL FUND

Founded in 1880 by bequest of \$10,000 from John M. Whitall, Sr. Present book value, \$10,640.09. The bequest is upon the condition that the art of drawing, especially mechanical drawing, shall be taught, and the income only is to be used, and for this purpose.

#### DAVID SCULL FUND

Founded in 1885 by bequest of \$40,000 from David Scull, Sr. Present book value, \$44,806.59. The income only is to be used to endow a professorship. The chair of biology was designated as the "David Scull Professor of Biology."

#### EDWARD L. SCULL FUND

Founded in 1865 by net bequest of \$9,500 from Edward L. Scull, '64. The legacy was added to the General Endowment Fund, but in 1888 it was set apart as a separate fund. Present book value, \$11,364.35. The income only is to be used. The bequest is free from any legally binding conditions, but it was the testator's desire "that some judicious means shall be employed by the Managers to further advise students on the subjects of diet and reading."

# WISTAR MORRIS MEMORIAL FUND

Founded in 1892 by gift of \$5,000 in bonds by Mary Morris, widow of Wistar Morris, as a memorial to him. There are no restrictions. The income is used for general college purposes. Present book value, \$5,144.24.

## ISRAEL FRANKLIN WHITALL FUND

Founded in 1896 by net legacy of \$9,667.83 from Israel Franklin Whitall. Present book value, \$10,781.94. The income only is used for the payment of professors or teachers.

## **JACOB P. JONES ENDOWMENT FUND**

Founded in 1897 by residuary legacy of Jacob P. Jones. This amounted when received to par value of \$279,021.60; book value, \$332,301.60, and sundry real estate. The real estate has all been sold, netting \$847,709.92. Present book value, \$1,301,375.34. The income only is to be used for general college purposes, and out of said income there shall be admitted a portion at least of the students either free of charge or at reduced rates. In accordance with this provision, about \$7,500 per annum is used for scholarships, and the balance of income for general college purposes. Jacob P. Jones' will contains the following: "My hope is that under the blessing and favor of God there will come from this source a revenue which shall be productive of growth and vigor in the institution as well as help at this critical period of their lives to many deserving young men of slender patrimony."

# JOHN FARNUM BROWN FUND FOR THE STUDY OF THE BIBLE, BIBLICAL HISTORY AND LITERATURE, PHILOSOPHY, AND KINDRED SUBJECTS

Founded in 1900 by the late T. Wistar Brown as a memorial to his son, John Farnum Brown, '93. The original gift was in cash and securities of a par value of \$43,000, shortly afterwards increased by further gifts of \$15,000. The founder made further gifts of cash and securities until 1915, the total being \$19,381 cash and \$48,500 par of securities with book value of \$41,490. His total gifts therefore had a book value of \$234,970.81. Of this, \$5,000 donated in 1910 is for endowment of prizes in Biblical History and in Philosophy. A portion of the income was capitalized each year to keep intact the full value of the fund until 1940 when this fund was included in the Consolidation of funds. Present book value, \$275,899.76. The income only is to be used for the purpose of making provision for the regular study of the Bible and Biblical History and Literature, and as way opens for religious teaching. In 1910, the scope and title of the Fund were enlarged to include "and Philosophy and Kindred Subjects." Income up to \$200 may be used for prizes in Biblical Literature and Philosophy.

### ELLEN WALN FUND

Founded in 1900 by legacy of \$10,000 from Ellen Waln. Present book value, \$11,117.10. There are no restrictions. The income is used for general college purposes.

#### CLEMENTINE COPE ENDOWMENT FUND

Founded in 1904 by bequest of \$25,000 from Clementine Cope. There are no restrictions. The income is used for general college purposes. Present book value, \$21,493.67.

#### NATHAN BRANSON HILL TRUST

Founded in 1904 by deposit with First National Bank and Trust Company of Minneapolis, Minn., Trustee, of a paid up life insurance policy for \$5,000 by Samuel Hill, '78, being in memory of his father, Nathan Branson Hill. The income is to be used to aid in the maintenance of Haverford College so long as it shall remain under the auspices of the Society of Friends. In 1931 Samuel Hill died and the policy realized \$5,039. The Trust is to remain in the care of the above named bank, now known as First National Bank of Minneapolis, until twenty-one years after the death of Samuel Hill's son, James N. Hill, who is still alive. At that time, the Trust is to terminate and the principal is to be vested in Haverford College absolutely.

# JOSEPH E. GILLINGHAM FUND

Founded in 1907 by bequest of \$50,000 from Joseph E. Gillingham. The testator said, "I request, but I do not direct, that part of the income of this legacy may be used for free scholarships for meritorious students." In accordance with this request, \$800 was until recently appropriated annually from the income for scholarships, the balance being used for general college purposes. Present book value, \$42,394.72.

#### HENRY NORRIS FUND

Founded in 1907 by bequest of \$5,000 from Henry Norris. Present book value, \$5,886.01. There are no restrictions. The income is used for general college purposes.

## ELIZABETH H. FARNUM FUND

Founded in 1891. The original principal of this fund, amounting to \$10,000, was held by the Provident Trust Co. of Philadelphia under a deed of trust created by Elizabeth H. Farnum of Philadelphia. The income was first paid to a life tenant until 1914, when income first accrued to the College "for the payment of the salaries of teachers and professors by the said College employed." Under date of Ninth Month 18, 1944, upon petition of the Trustee, concurred in by the College, the Court of Common Pleas awarded the principal to the Corporation of Haverford College "to be administered by it for the purposes set forth in the deed of trust in accordance with the non-profit corporation law."

## JAMES R. MAGEE FUND

Founded in 1915 by bequest of \$10,000 from James R. Magee, '59, and added to in 1925, 1926, 1928, 1929, 1930, 1931, 1932, 1936, 1937, 1940, and 1944 by additional payments of \$29,182.84, \$1,694.84, \$499.31, \$499.68, \$488.85, \$207.33, \$400, \$250, \$100, \$449.89, \$175.00, 197.99 (1947-48) and \$7.40 (1948-49), under his legacy. Present book value, \$45,035.96. There are no restrictions except that the income only is to be used. This is applied to general college purposes.

#### ALBERT K. SMILEY FUND

Founded in 1915 by gift of \$1,000 from Daniel Smiley, '78, as a memorial to his brother, Albert K. Smiley, '49, and added to in 1924 and 1926. Present book value, \$1,500.00. There are no restrictions except that preference was expressed that the income only should be used. This is applied to general college purposes.

### THE HINCHMAN ASTRONOMICAL FUND

Founded in 1917 by bequest of \$10,000 par value securities from Charles S. Hinchman. Increased in 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, and 1936 by donations of \$28,926.95 from a friend of the College. Present book value, \$39,515.48. The income only to be used "to increase the salary of the astronomical professorship so as to provide a suitable instructor in the ennobling study of the heavens."

## WALTER D. AND EDITH M. L. SCULL FUND

Founded in 1918 by bequest of Walter D. Scull, whose death followed shortly after the death of his sister, Edith M. L. Scull. Each left his or her estate to the other, unless predeceased; in this latter case both American estates were left to Haverford College. Both were children of Gideon D. Scull, '43, and resided in England. Income accumulated before the receipt of the fund by the College amounted to \$16,887.66, of which \$15,078.51 was added to the

principal of the fund. Present book value, \$174,560.31. The fund was created to establish a professorship of modern English constitutional history, and the chair has been designated as the Walter D. and Edith M. L. Scull Professorship of History.

#### ALBIN GARRETT MEMORIAL FUND

Founded in 1919 by legacy of \$25,000 from Mary Hickman Garrett, in memory of her late husband, Albin Garret, '64. Present book value, \$26,771.00. There are no restrictions. The income is used for general college purposes.

#### ARNOLD CHASE SCATTERGOOD MEMORIAL FUND

Founded in 1919 by gift of \$30,000 in securities from Maria Chase Scattergood in memory of her son, Arnold Chase Scattergood, of the Class of 1919, who died in his Junior year. The income only is to be used toward the payment of professors' salaries. Present book value, \$24,381.59.

# FRANCIS B. GUMMERE MEMORIAL FUND

Founded in 1920. This fund was started by a gift of \$25,000 from the late Miss Emily H. Bourne, of New York, conditional upon the raising of \$100,000 additional for an endowment of the Chair of English Literature in memory of her friend, Professor Francis Barton Gummere. A committee of alumni, consisting of J. Stogdell Stokes, '89, chairman; E. R. Tatnall, '07, treasurer; Hans Froelicher, '12, secretary; Charles J. Rhoads, '93; Alfred M. Collins, '97; Winthrop Sargent, Jr., '08, and Parker S. Williams, '94, working with President Comfort, organized a comprehensive campaign among the alumni and friends of the College to raise \$375,000 for this purpose and for increase of professors' salaries; the first \$100,000 of unspecified gifts was used to complete the Francis B. Gummere Memorial Fund to at least \$125,000, and the balance comprised the Isaac Sharpless Memorial Fund. Total, book value, \$125,569.51.

### ISAAC SHARPLESS MEMORIAL FUND

Founded in 1920. The alumni of the College conducted during 1920 a campaign for \$375,000 additional endowment for the College to make possible additional salaries to the professors. Appeal was made to found two new funds, the Francis B. Gummere Memorial Fund and the Isaac Sharpless Memorial Fund. The funds received, except where otherwise specified, were first applied to the completion of the former up to \$125,000 (see above). Specified gifts and donations thereafter received, were then applied to the Isaac Sharpless Memorial Fund. The income only is to be used for salaries of professors. Total book value, \$218,728.43.

#### GENERAL EDUCATION BOARD FUND

The General Education Board of New York appropriated \$125,000 in 1920 to the campaign for increase of endowment when the Francis B. Gummere Memorial Fund and the Isaac Sharpless Memorial Fund, totaling \$375,000, were raised. Interest at five per cent was paid on the full sum for three years, and the \$125,000 in full payment was completed in 1926-1927. Total book value, \$126,076.83.

# HAVERFORD IMPROVEMENT FUND AND CONSOLIDATED CAMPUS HOUSES ACCOUNT

Founded in 1922 to hold the Corporation's undivided share in College Lane land and eight houses. This property was turned over to the Corporation free of debt on Third Month 17, 1922, and with same the then debt of the Corporation amounting to \$155,942.15 was liquidated. The fund started with an

undivided interest of \$19,000. There was added in 1922, \$9,000; and in 1925, \$2,000. In 1926, \$5,000 of this fund was sold and the proceeds were appropriated for the alterations to Roberts Hall. The balance of this fund, \$25,000, was also used in 1927 for the same purpose. The income was used for general college purposes.

The College Lane land was purchased in 1886 for the benefit of the College by David Scull, Justus C. Strawbridge, Richard Wood and Francis Stokes, Managers of the College and now all deceased. With contributions raised by them and by mortgages on which they went on the bonds, funds were raised to build six dwelling houses, and two houses were built by the Corporation itself. From the income of the houses the debt against the properties was gradually reduced until it was entirely liquidated in 1919. The net income from 1919 until 1922, when the property was turned over to the Corporation, was applied toward the reduction of the Corporation's debt.

As of Ninth Month 1, 1944, all of these eight College Lane houses, together with seven houses which had been bought for the College and formed a part of the College debt, and nine other Campus houses which were owned free of debt, were consolidated at a combined valuation of \$281,331.70 into a new Campus Houses Account held by Consolidated Investment Account. There have been additional investments in other College houses from time to time and the present book value is \$396,553.51. A return of 4% interest is to be credited to income to the College and 1½% is to be applied to the annual reduction of the investment.

#### WILLIAM PENN FOUNDATION

Started in 1926 toward a fund of \$120,000 to establish a chair or lectureship in Political Science and International Relations. This fund forms a part of the Centenary program to raise \$1,000,000. This foundation is to be devoted, at the discretion of the Managers, to providing adequate undergraduate instruction in the theory and practice of our own and other governments, in the history of past attempts to secure international agreements and in the methods by which good international understanding may be promoted and maintained. Book value to date, \$102,067.43.

## WALTER CARROLL BRINTON MEMORIAL FUND

Founded in 1920 by gift of \$5,000 by the family of Walter Carroll Brinton, Class of 1915, who died in France Twelfth Month 8, 1918, while engaged in Friends' Reconstruction Work. The fund sustained the Walter Carroll Brinton Scholarship until 1926-1927. It was then increased \$6,000 by further gifts of the founders, and at their request the purpose was changed from a scholarship fund to form a separately named fund of the William Penn Foundation, with its income to be used for the same objects. Present book value, \$14,125.79.

#### CORPORATION FUND

Founded in 1928 by setting aside \$70,000 of proceeds from sale of 5.811 acres of land on the southern boundary and at the southeastern corner of the College farm. In 1937, the fund was increased \$8,810, being proceeds of the sale of 1.762 acres of land to the Philadelphia Skating Club and Humane Society for their new ice skating rink. In 1951 the fund was increased by \$4,994.50, being proceeds of the sale of .284 acres of land to Philadelphia Electric Co. In 1953-54 the cost of renovation of Philips wing in the Library was taken from this fund (\$60,175.56). Present book value, \$24,828.94. The fund is invested and the income used for general college purposes, until otherwise directed by the Managers.

## ELIZABETH J. SHORTRIDGE FUND

Founded 12 Month 22, 1930, by bequest from Elizabeth J. Shortridge, without restrictions. Until otherwise directed by the Managers, the income only is used for general purposes. Present book value, \$10,000.00.

# HOWARD COMFORT MEMORIAL FUND

Founded in 1934 by gift of \$1,000 from President William Wistar Comfort in memory of his father, Howard Comfort, Class of 1870, who was a Manager from 1880 until his death in 1912, and Secretary of the Board of Managers from 1884 until 1908.

The fund was added to by further gifts from the same donor of \$1,000 in 1935, \$1,000 in 1936, \$2,000 in 1937 and \$500 in 1949. The income only is to be used for general purposes. Present book value \$5,527.31.

# EMMA RIDGWAY COMLY FUND

Founded 1935 by bequest of \$50,000 from Emma Ridgway Comly, a Philadelphia Friend. The bequest was unrestricted as to both principal and income. The income is used for general purposes. Present book value, \$49,987.50.

# ELLEN W. LONGSTRETH FUND

Founded 1935 by bequest of \$20,000 and her residuary estate from Ellen W. Longstreth, a Friend belonging to Haverford Meeting, and living in Bryn Mawr. The principal and income are both unrestricted. The bequest of \$20,000 and residuary \$84,416.28 in 1935-36, together with further realization on residuary assets, viz. \$3,338.69 in 1936-37, \$73.33 in 1938, \$166.80 in 1942-43, and \$258.00 in 1943-44 and in 1947-1948, \$10,785.65 additional was received upon the death of a life tenant of a trust, making a total of \$119,038.75. Present book value, \$117,520.19.

# ALBERT L. BAILY FUND

Founded in 1936 by an unrestricted bequest of \$5,000 from Albert L. Baily, '78. The income is used for general purposes. Present book value, \$5,000.00.

# ELIZABETH B. WISTAR WARNER FUND

Founded First Month 16, 1937, by unrestricted bequest of \$4,950 from Elizabeth B. Wistar Warner, of Germantown, widow of George M. Warner, '73. The income is used for general purposes. Present book value \$4,950.00.

#### T. ALLEN HILLES BEQUEST

Founded First Month 19, 1937, by receipt of the proceeds of a trust fund created in 1935 by T. Allen Hilles, class of 1870, formerly of Wilmington, Delaware, recently of Glen Mills, Pa., who died 11th Month 15, 1935. The amount received in stocks and cash was \$285,000. Proceeds of mortgages of \$7,460.94 in 1938, and final cash from executor in 1939 of \$1,603.37 brought the gross total to \$294,064.31. From this was deducted in 1939 the final settlement of taxes and fees totalling \$13,300, thus making the final net bequest \$280,764.31. Accumulated income of \$12,489.77 was also received on First Month 19, 1937. In the trust created by the donor in 1935 he provided: "The gift to Haverford College shall constitute a fund to be known as 'The Hilles Bequest,' and the income shall be used for repair, upkeep and improvement of the building which I have given to Haverford College known as the Hilles Laboratory of Applied Science of Haverford College. My purpose in making this gift is primarily to relieve the Corporation of Haverford College from any additional expense on account of the erection of the building which I have given

them, and the accompanying expansion of its educational activities, but whenever and if the Board of Managers or other governing body of the College shall determine it to be for the best interest of the College to devote the whole or any part of the income of the fund to uses other than those above specified such income may be applied to such uses and in such manner as the Board of Managers or other governing body may in its absolute discretion determine." Present book value, \$280,764.31.

# LEONARD L. GREIF, JR., AND ROGER L. GREIF FUND

Founded Ninth Month 29, 1937, by gift of \$1,000 from Leonard L. Greif, '34, and Roger L. Greif, '37, of Baltimore. The gift was unrestricted, but the Managers have set aside this fund as endowment for general purposes, the income only to be used, until otherwise determined by them. Further gifts of \$1,000 from each of the above donors were made in 1947-1948. During 1949-1950 an additional gift of \$1,000.00 was received from Leonard L. Greif, Jr. Further gift was made in 1952-1953 of \$1,000.00 by Leonard L. Greif, Jr. Present book value, \$7,000.00.

#### EDWARD M. WISTAR FUND

Founded First Month 9, 1938, by gift of \$2,500 from Edward M. Wistar, '72, for endowment, the income only to be used for general purposes. Present book value, \$2,500.00.

# MORRIS E. LEEDS FUND

Founded Sixth Month 26, 1941 by a gift of shares of Leeds & Northrup stock, this fund was added to by further gifts of that company's stock during the lifetime of Morris Leeds. Upon his death he bequeathed to the college three quarters of his entire residuary estate which bequest, like the gifts made in his life, was entirely without restrictions either as to principal or income.

The fund with a present book value of \$1,532,110.39 was ordered by the Managers until otherwise directed to be included among the fund for general purposes.

## 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, \$200.00 in 1949-50, \$1,000 in 1950-51 (through 1949 campaign) \$1,000 in 1951-52 (through 1949 campaign), \$1,000 in 1952-53 (through 1949 campaign), and \$6,800.00 in 1953-54 (through 1949 campaign).

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 Professo: holding the Chair in Political Science and International Relations. If the income in any year is not used for the special purposes as stated, in the discretion of the President, it may be used for general purposes. It is further provided that after Tenth Month 1, 1951 the use of the fund for other purposes, both as to principal and income, shall be subject to the direction of the Board of Managers of Haverford College.

## PARKER S. WILLIAMS FUND

Founded Tenth Month 1, 1947, by unrestricted bequest of \$100,000 under the will of Parker S. Williams, Class of 1894, of Villanova, Pa., who died in 1942. The actual amount received from the executors was \$103,993.26, due to the increased value of certain investments, which were held, instead of being converted, under an agreement with the College. Income was paid to the College from time to time until the receipt of the bequest.

# W. PERCY SIMPSON TRUST Provident Trust Co. and William J. Clark Trustees

This perpetual Trust was established under the will of W. Percy Simpson, Class of 1890, who died Second Month 19, 1938. The will provides that one fourth of the net.income from the residuary estate, after the death of his widow (who died in 1940) and of his son (who died in 1946), shall go to two grandchildren, and of the remaining three quarters one tenth shall go to Haverford College. Thus Haverford's share of the income now is 3/40th. The income comes partly from securities but largely from Texas Oil Royalties and rentals. Of the present income as estimated by the Trustees, Haverford's share is about \$1,875 per annum.

The will further provides "without imposing any obligation upon Haverford College, I recommend to it the advisability of expending the moneys which shall from time to time come to it under this will or so much thereof as may be required, for the examination and analysis of applicants for admission to the College with respect to their mental, physical and general qualifications, and of students therein for the purpose of determining the field of activity best

suited to the individual."

The will further provides that whenever a vacancy shall occur by the death or resignation or otherwise of the individual Trustee, the selecting of a new Trustee shall be done by the governing body of Haverford College, and that if The College fails to perform this duty, the payment of further income to it shall terminate.

#### CLARENCE W. BANKARD FUND

Founded Second Month 10, 1948, by unrestricted bequest from Clarence W. Bankard, Class of 1901, of Philadelphia, amounting to \$4,418.75. The Board until otherwise ordered, set up a new fund for general purposes unrestricted as to principal and income.

#### GILBERT C. FRY FUND

Founded Fourth Month 2, 1948, by an unrestricted gift of \$1,000 U. S. Treasury Bond from Gilbert C. Fry, of Germantown, Philadelphia, Class of 1923, in remembrance of his 25th anniversary of graduation. A new fund was set up and until otherwise ordered by the Managers, the income only will be used for general purposes. Further gift of \$500.00 was made in 1949-50, \$1,000 was made in 1950-51 (through 1949 campaign), \$1,000 1951-52, and \$1,500 in 1952-53. Present book value \$5,000.00.

#### DANIEL B. BOYER FUND

Founded Third Month 3, 1948, with an initial gift of \$2,500 in stock from Daniel B. Boyer, Boyertown, Pa., Class of 1911. The donor's letter states: "It is my desire that the income from the stock be allocated for faculty use. If present reduced College income is not sufficient to cover current faculty needs, the Board of Managers should not hesitate to sell the shares and apply the proceeds for that purpose." A new fund was set up, and until otherwise ordered by the Managers, the income only will be used for faculty salaries.

#### MARY K. COMLY FUND

Founded Sixth Month 29, 1948, by unrestricted bequest of Mary K. Comly, of Philadelphia, of \$35,000. A new fund was set up, and until otherwise ordered by the Managers, the income only is to be used for general purposes.

# HENRY C. BROWN TRUST Pennsylvania Co. for Banking and Trusts, Trustee

Founded Eighth Month 18, 1948, by bequest of estimated value of \$183,000 from Henry C. Brown, of Philadelphia, ex Class of 1866, to the Pennsylvania Co., in trust for benefit of Haverford College. The will provides that the income is to be used for current expenses. The will further provides that "the said College shall have power in its discretion to use a portion of the principal of the said trust estate not exceeding in any one year twenty per cent of the original fund for permanent purposes such as buildings, books and equipment proper for conducting the work of instruction and education."

# MARRIOTT C. MORRIS FUND

Founded Ninth Month 1, 1948, by unrestricted bequest of \$10,000 from Marriott C. Morris, Class of 1885, of Germantown.

The fund is classified among unrestricted funds for General Purposes, and is included in Consolidated Investment Account. Book value, \$10,000.

## MARY BROWN FUND

Founded Sixth Month 1, 1949, by unrestricted bequest of \$1,000 from Dr. Mary Brown, of Drexel Hill, Pennsylvania.

The fund is classified among unrestricted funds for General Purposes, and is included in Consolidated Investment Account. Book value, \$1,000.

# 1949 CAMPAIGN SALARY FUND

Founded Sept. 1, 1950 by a transfer of \$107,800.00 from the receipts of the 1949 Haverford Campaign for additional endowment.

The income is to be used to augment faculty salaries and for increasing, where necessary, the teaching staff to make possible the desired ratio between faculty and students.

Until otherwise ordered by the Board, 10% of the income is to be capitalized each year; provided that this shall not reduce the yield from the fund below 4%.

A portion of the Capital of this fund may be expanded at the discretion of the Board of Managers in accordance with the policy stated in the Campaign Appeal. Present book value, \$183,147.13.

## THE RUFUS M. JONES FUND FOR ADVANCEMENT OF TEACHING

Founded Sept. 1, 1950 by a transfer of \$235,000.00 from the receipts of the 1949 Haverford Campaign for additional endowment.

The income is to be used to stimulate professional growth, encourage desirable research, make possible short-term absences for study or to render special service, and to raise professors' salaries.

Until otherwise ordered by the Board, 10% of the income is to be capitalized each year; provided that this shall not reduce the yield from the fund below 4%.

A portion of the Capital of this fund may be expended at the discretion of the Board of Managers in accordance with the policy stated in the Campaign Appeal. Present book value, \$364,115.43.

#### WILLIAM PYLE PHILIPS FUND

Founded on the death of William Pyle Philips, class of 1902, of New York City, N. Y. on December 18, 1950 by the bequest of his entire residuary estate as an endowment fund in perpetuity, the principal is to be invested in such securities as the Board of Managers shall deem advisable "but at least 1/2 thereof to be invested in diversified common stocks."

The income is "to be applied from time to time to such purposes as said Board of Managers in their discretion shall deem advisable, provided, however, that approximately one-half (1/2) of such income be applied to one or more

of the following purposes:

"(a) Purchase for the Treasure Room of the College Library of rare books which the College would not otherwise buy and comparable with the books mentioned in Article Third hereof:

"(b) Bringing to the College distinguished scientists or statesmen for a lecture or series of lectures, for courses of instruction, for seminars, for research

or for other academic purposes; and

"(c) Subscription to important learned periodicals, domestic and foreign. of the various humanities and sciences, purchases of back numbers of such periodicals and binding of the same for permanent preservation in the College Library." Present book value \$1,910,037.24.

#### WILLIAM B. BELL FUND

Founded in Ninth Month 1951 by partial distribution of \$19,444.44 on account of an unrestricted bequest to the College of William B. Bell, Class of 1900, of New York, and in 1953-54 a final distribution of \$14,436.47.

The fund is to be used for General Purposes and is included in Consolidated

Investments Account. Present Book Value is \$36,062.12.

#### DR. THOMAS WISTAR FUND

Founded in 1952, upon the termination of a Trust by the bequest of the residuary estate of Dr. Thomas Wistar, class of 1858, the funds are to be kept invested and the net income used for such purposes either general or special as the Managers of said College may direct. Present book value is \$25,068.15.

# THE CHARLES McCAUL FUND

Founded in 1953 by a bequest of 1/8th of the residuary estate of Mary N. Weatherly. The fund is to be known as The Charles McCaul Fund, in memory of her step-father. The income only shall be spent.

The use of the fund is unrestricted but it is the hope of the Testatrix that some portion of the income may be used to provide one or more scholarships, and that the rest of the income may be used to provide sound and conservative instruction in the Social Sciences.

It is my preference that such scholarships be awarded to students who show especial interest in the field of religion and the Social Sciences, but I do not specifically limit the use of the Fund, having confidence in Haverford College to teach high ideals." The present book value of this Fund is \$37,187.20.

# ISAAC & LYDIA COPE SHARPLESS FUND

Founded in 1953 by bequest of \$5,000.00 from Lydia Cope Sharpless, who died Sept. 23, 1952, "in memory of my husband, Isaac Sharpless." The fund is without restriction, and has a present book value of \$5,000.00.

## CLASS OF 1937 FUND

Founded Fifth Month 16, 1955 by a gift of \$4,500 from Margaret A. Lester and John A. Lester '96, in appreciation of the benefits rendered to their son, John A. Lester, Jr. '37.

The fund is unrestricted as to principal and income, but an annuity is

payable at the rate earned by the Consolidated Funds.

# FUND FOR GRADUATE SCHOOL MOSES BROWN FUND

A trust founded by T. Wistar Brown, in 1906, as a memorial to his father, Moses Brown. Transferred to the College in 1916 after his death, having at that time a par value of \$372,821.91 and book value of \$318,823.56. Present book value, \$377,378.58. 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 éducation under the care of Friends, located

at Wallingford, Pa.

# FUNDS FOR INFIRMARY INFIRMARY ENDOWMENT FUND

Founded in 1911 from subscriptions totaling \$9,072.55, raised among alumni and friends of the College. The income is used toward the expenses of the Morris Infirmary. Present book value, \$9,653.44.

## **JOHN W. PINKHAM FUND**

Founded in 1911 by legacy of \$5,000 from Dr. John W. Pinkham, '60, being transmitted by gift from his widow, Cornelia F. Pinkham. There are no binding conditions, but as she expressed an interest in the Morris Infirmary, then building, the Board of Managers directed that the income of this fund should be used in the support and maintenance of the Infirmary. Present book value, \$5,059.50.

# FUND FOR HAVERFORD UNION HAVERFORD UNION FUND

Founded in 1920 by gift from the former Haverford Union Members of \$1,000 par value of bond at book value of \$800 and \$678.59 cash, and all the personal property in the Union from the Haverford College Union. The College assumed the responsibility for the care of the building First Month 16, 1920. The income is used toward the maintenance of the Union building. Present book value, \$1,878.82.

# FUNDS FOR SCHOLARSHIPS THOMAS P. COPE FUND

Founded in 1842 by gift of sixty shares of Lehigh Coal and Navigation Co. stock, par value \$3,000, from Thomas P. Cope. Present book value, \$5,257.82. The income only is to be used "for the education of young men to quality them to become teachers, but who are not of ability to pay their own schooling." This fund sustains the Thomas P. Cope Scholarships.

# EDWARD YARNALL FUND

Founded in 1860 by bequest of \$5,000 from Edward Yarnall. Present book value, \$6,069.23. The income only is to be used for "the support of free scholarships." The fund sustains the Edward Yarnall Scholarships.

#### ISAIAH V. WILLIAMSON FUND

Founded in 1876 and increased in 1883 by gifts of sundry ground rents from Isaiah V. Williamson. Present book value, \$19,817.40. The income only is to be used for free scholarships. The fund sustains the Isaiah V. Williamson Scholarships.

# RICHARD T. JONES SCHOLARSHIP FUND

Founded in 1885 by bequest of \$5,000 from Jacob P. Jones as a memorial to his late son, Richard T. Jones, '63. The income only to be used to sustain the "Richard T. Jones Scholarship." Present book value, \$5,056.25.

# MARY M. JOHNSON SCHOLARSHIP FUND

Founded in 1897 by bequest of \$5,000 from Mary M. Johnson. Accrued interest before payment to the College increased the fund by \$3,062.95. The bequest was to establish a "perpetual scholarship." The fund sustains the Mary M. Johnson Scholarships. Present book value, \$7,013.61.

#### SARAH MARSHALL SCHOLARSHIP FUND

Founded in 1897 by bequest of \$5,000 from Sarah Marshall. Accrued interest before payment to the College increased the fund by \$2,589.49. The bequest was to establish a "perpetual scholarship." The fund sustains the Sarah Marshall Scholarships. Present book value, \$7,919.76.

## CLEMENTINE COPE FELLOWSHIP FUND

Founded in 1899 by gift of \$25,000 from Clementine Cope. The gift was to establish the "Clementine Cope Fellowship Fund to assist worthy and promising graduates of Haverford College in continuing their course of study at Haverford or at some other institution of learning in this country or abroad." The selection of the Fellows is made by the Board of Managers upon nomination by the Faculty. Present book value, \$22,845.86.

## ISAAC THORNE JOHNSON SCHOLARSHIP FUND

Founded in 1916 by gift of \$5,000 from Isaac Thorne Johnson, '81. Present book value, \$9,569.56. The gift was to establish "The Isaac Thorne Johnson Scholarship to aid and assist worthy young men of Wilmington Yearly Meeting or of the Central West to enjoy the privileges of Haverford College." Unused income is added to the principal of the fund.

## CASPAR WISTAR MEMORIAL SCHOLARSHIP FUND

Founded in 1920 by gift of Edward M. and Margaret C. Wistar of \$5,000 par value in bonds in memory of their son, Casper Wistar, of the Class of 1902, who died in Guatemala in 1917 while engaged in mission service in that country. The income only is to be used for scholarships, primarily for sons of parents engaged in Christian service, including secretaries of Young Men's Christian Associations, or students desiring preparation for similar service in America or other countries. Present book value, \$6,951,21.

## J. KENNEDY MOORHOUSE SCHOLARSHIP FUND

Founded in 1926 by gifts totaling \$3,000, with \$1,000 added in 1926, and \$1,000 in 1928 and \$1,000 in 1929 from the Class of 1900 in memory of their classmate, J. Kennedy Moorhouse. The scholarship provided by this fund is "to be awarded, whenever a vacancy shall occur, to the boy ready to enter the Freshman class, who in the judgment of the President of the College appears best fitted to uphold at Haverford the standard of character and conduct typified by J. Kennedy Moorhouse, 1900, as known to his classmates: A man, modest, loyal, courageous, reverent without sanctimony; a lover of hard play and honest work; a leader in clean and joyous living." Present book value, \$5,155.85.

# LOUIS JAQUETTE PALMER SCHOLARSHIP FUND

Founded in 1928 by gift of \$5,000 from Triangle Society, as follows:

"The Triangle Society of Haverford College herewith presents to the Corporation of Haverford College, a fund of Five Thousand Dollars (\$5,000) to be hereafter known and designated as the 'Louis Jaquette Palmer Scholar-

ship Fund';

"This fund represents contributions from the members of the Triangle Society of Haverford College who have been thus inspired to perpetuate the memory of their fellow member, Louis Jaquette Palmer, of the Class of 1894, one of the founders of the Triangle Society, whom they admired for his cooperative spirit and constructive interest in student and community welfare. The fund is placed with the Corporation of Haverford College with the understanding:

"That such student shall be selected from a list of those eligible for entrance to Haverford College, who shall have combined in his qualifications the fulfillment of such conditions as apply to applicants for the Rhodes Scholarships under the terms of its creation, and furthermore that the student so selected and entered in Haverford College may continue to receive said scholarship fund throughout his course at College, subject to the approval of the Committee, otherwise preference shall be given to applications for the Freshman Class;

"That the selection of said student and the determination of the qualities and conditions hereinbefore mentioned shall be subject to the decision and control of a committee of three (3), which committee shall be composed of two (2) members of the Triangle Society and the President of Haverford College, the said members of the Triangle Society to select and recommend the applicants and the committee as a whole to determine their qualifications and eligibility.

"Finally, in the event that no student is selected by the Triangle Society or that a vacancy occurs, the income from said funds and any additions shall accumulate as provided under the customary rules and regulations of the

Corporation of Havorford College."

In 1950 there was added to this fund the proceeds of ten life insurance policies formerly held in the Triangle Society Endowment Fund amounting to \$2,954.18 plus the balance of \$500 in that Fund and four additional con-

tributions of \$543.01, \$222.00, \$1,000. and \$330 by members of the Society, making the present book value of this Fund \$11,184.19.

#### PAUL W. NEWHALL MEMORIAL SCHOLARSHIP FUND

Established in 1931 by bequest of \$5,045.60 from Mary Newhall in memory of her father, Paul W. Newhall, a Manager, 1844-48, for the establishment of a scholarship fund. The income only to be used for free scholarship purposes. Present book value, \$5,045.60.

## ROBERT MARTIN ZUCKERT MEMORIAL SCHOLARSHIP FUND

Founded in 1935 by gift of \$750. \$2,000 each year, 1936 to 1940, and in 1942; \$2,500 in 1941; \$1,000 in 1943; \$1,000 in 1944; \$2,000 in 1945; \$2,000 in 1947-1948, \$1,000 in 1949-1950, by Harry M. Zuckert, New York, in memory of his son, Robert Martin Zuckert, of the Class of 1936, who was killed in an accident in June, 1935. The income is to be used for scholarship and the donor said, "I should prefer a boy who is a native of New York or Connecticut and who now resides in one of those States." Present book value, \$22,250.00.

# SAMUEL E. HILLES ENDOWMENT CREATED BY MINA COLBURN HILLES

Founded in 1935 by gift of \$5,000 from Mrs. Mina Colburn Hilles, of Orlando, Fla., in memory of her husband, Samuel E. Hilles, Class of 1874, formerly of Cincinnati, who died in 1931. This fund was created under a trust deed with Central Title and Trust Co., Orlando, Fla., to whom annual reports are to be made. The income only is to be used for scholarships for worthy students who are unable to finance their expenses at Haverford College. Present book value, \$5,017.31.

#### CLASS OF 1913 SCHOLARSHIP FUND

Founded Fourth Month 15, 1937, by gift of \$3,000 from Class of 1913 for the endowment of scholarship aid. The income only is to be used for scholarship aid, to be awarded annually to a worthy student of any undergraduate class. Preference is to be given to sons of members of the Class of 1913 who may apply and who meet the usual requirements of the College. Present book value, \$3,000.00.

#### THE AUGUSTUS TABER MURRAY RESEARCH SCHOLARSHIP FUND

Founded Fifth Month 31, 1939, by gift from two anonymous friends of Dr. Augustus Taber Murray, '85, by gifts of \$20,000 par value of securities subject to annuity during their lives, and with permission to use principal for the

annuity payments, if necessary.

Upon the deaths of the two annuitants, the remaining principal shall be held in a fund, the "Income to be used for scholarships in recognition of the scholarly attainments of Augustus Taber Murray, a distinguished Alumnus of Haverford College, of the Class of 1885, and for many years a professor of Leland Stanford University, the fund to be known as 'The Augustus Taber Murray Research Scholarship.' Then scholarships in English literature or philology, the classics, German literature or philology (in order of preference) shall be awarded upon such terms and conditions as the College may from time to time establish to students who have received the bachelor's degree at Haverford College, and shall be awarded for the purpose of study in other institutions toward the degree of Doctor of Philosophy or such degree as may in the future correspond to that degree."

The amount of the Scholarship is to be \$900 a year whenever awarded, and only unmarried students are eligible to hold it. Present book value, \$22,775.34.

#### THE CLASS OF 1917 SCHOLARSHIP FUND

Founded Seventh Month 13, 1942, by initial gift of \$2,000.00 from the Class of 1917, John W. Spaeth, Jr., Treasurer, as a Twenty-fifth Anniversary Gift. A further gift of \$250.00 was made at the same time to cover the first two years of a scholarship of \$125.00 per year. Preference is to be given to a son of a member of the Class of 1917. The income only is to be used for a scholarship to the extent of \$150.00 per annum. This was increased to \$200.00 per annum in 1947-1948. Further contributions from the members of the Class of 1917 are to be applied in the following order:

(1)—To supplement the annual income from the principal sum of \$2,000.00, so that the annual scholarship stipend shall be \$150.00 (increased to \$200 in 1947-48, increased to \$300 in 1949-50, increased to \$500 in 1952-53), 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 1946-47; \$985 in 1947-1948; \$250 in 1948-1949; \$450 in 1949-1950; \$670 in 1950-51; \$705 in 1951-52; \$405 in 1952-1953; \$725.00 in 1953-54; and \$395.00 in 1954-55. Present book value, \$9,356.08.

#### DANIEL B. SMITH FUND

Founded Tenth Month 6, 1943, by gift of \$2,500 from Anna Wharton Wood, of Waltham, Mass., who died in 1944. This was increased Fifth Month 24, 1945 by a bequest of \$2,500 made by Miss Esther Morton Smith, of Germantown, Philadelphia, who died Third Month 18, 1942.

This fund is established by the granddaughters of Daniel B. Smith "in loving memory of their grandfather and his intimate association with the

early years of the College.

The income is to be used, in the discretion of the Faculty as an annual scholarship for some young man needing financial aid in his College course. Preference is to be given to a descendant of their father, Benjamin R. Smith, if any such should apply. Present book value, \$5,000.00

#### SARAH TATUM HILLES MEMORIAL SCHOLARSHIP FUND

Founded Eleventh Month 1, 1943 by bequest of \$75,534.58 from Joseph T. Hilles 1888, in memory of his mother "Sarah Tatum Hilles."

The will directs that the income be used "to provide for such number of annual scholarships of \$250 each as such income shall be sufficient to create"; they are to be awarded by the Managers upon "needy and deserving students," and to be known as "Sarah Tatum Hilles Memorial Scholarships."

It is estimated that twelve scholars can be thus provided for at present.

Present book value \$75,534.58.

#### ELIHU GRANT MEMORIAL SCHOLARSHIP FUND

Established Second Month 2, 1944 by gift of \$200 from Mrs. Elihu Grant to supplement the simultaneous transfer of \$803.73 to this new fund from Donations Account, being the balance of Donations made by Dr. Grant during his lifetime to the Beth Shemesh account, and \$75.00 realized from the sale of some of his books. Mrs. Grant has made a further gift of \$1,000 in 1943-44 and \$2,000 in 1944-45. And, Grant Foundation, Inc., gave \$10,000, also in 1944-45. Mrs. Grant made a further gift of \$1,000 in 1945-46. In 1949-1950 in connection with the Campaign, the Grant Foundation made a further gift to the College of \$25,000, to be added to this fund. Present book value, \$40,275.01.

With the donor's approval, the terms of the fund are as follows:

"Founded in 1944 to commemorate the service to Haverford College of Dr. Elihu Grant, from 1917 to 1938, a member of the College faculty. The income from this fund is applied to scholarship assistance to students in the Humanities, primarily those specializing in the study of Biblical Literature and Oriental subjects, and is limited to those whose major subject has been approved by the College faculty. In special circumstances the income may be utilized to assist those working for a post-graduate degree at Haverford College." If conditions change, the Managers are given power to change the use of the fund. In making the additional grant in 1949-50, the Foundation stated that "the income from this present gift may be allocated as scholarship or fellowship awards by the proper authorities of the College to under graduate or graduate students without restriction as to courses of studies." Present book value, \$40,275.01.

# CHRISTIAN FEBIGER MEMORIAL SCHOLARSHIP FUND

Founded Sixth Month 13, 1946 by a gift of \$8,000 from Madeleine Seabury Febiger, of Philadelphia, in memory of her husband, Christian Febiger, Class of 1900.

On Third Month 18, 1949 a bequest of \$9,050 was received from the executors of Mrs. Madeleine Seabury Febiger, who died September 27, 1947, and was added to this fund.

The income only is to be used in paying the tuition or other college expenses of worthy, needy students at Haverford College. Present book value, \$17,050.

## JOSEPH L. MARKLEY MEMORIAL SCHOLARSHIP FUND

Founded 2nd Month 10, 1947 by gift of \$5,000.00 from Mrs. Mary E. B. Markley of Ann Arbor, Michigan, widow of Joseph L. Markley, A.B. '85, M.A. '86, who was Professor of Mathematics at University of Michigan. The gift was made "to be held as an endowment fund in memory of Joseph L. Markley of the Class of 1885. The income of which is to be granted each year, in the discretion of the faculty, as a scholarship to some student on the basis of character, scholarship and financial need."

## JOSEPH C. AND ANNE N. BIRDSALL SCHOLARSHIP FUND

Founded 2nd Month 24, 1947 by initial gift of \$10,000 from Dr. Joseph C. Birdsall, Class of 1907, of Haverford, Pa., "for the establishment of a new fund to be known as "Joseph C. and Anne N. Birdsall Scholarship Fund, the income only to be granted each year, in the discretion of the faculty of Haverford College, as scholarship aid to some student or students of Haverford College who are preparing for medicine,—the selection to be upon the basis of character, scholarship and financial need." Further gifts 1947-48, \$5,000; 1948-49, \$5,000; 1949-50, \$5,000. Present book value, \$25,000.

## DANIEL E. DAVIS, JR., MEMORIAL SCHOLARSHIP FUND

Founded by gifts made First Month 20 and Second Month 17, 1948, totalling \$3,000, by Mr. and Mrs. Daniel E. Davis, of Sewickley, Pa., to establish the Daniel E. Davis, Jr., Memorial Scholarship Fund, in memory of their son, ex Class of 1944, who was killed in aerial warfare in the Pacific.

The income from the fund is to be granted each year, in the discretion of the Faculty, as a scholarship to some student on the basis of character, scholarship and financial need.

## JONATHAN M. STEERE SCHOLARSHIP FUND

Founded Twelfth Month 28, 1948 by gift of \$2,300 from Jonathan M. Steere, Class of 1890. Classified among the Scholarship Funds and included in Con-

solidated Investment Account.

The donor's provisions governing the use of the fund are as follows: "With this stock, or its proceeds, I wish to establish a fund for a scholarship primarily for a graduate of Moses Brown School, Providence, R. I., now under the care of New England Yearly Meeting of Friends. Should the scholarship not be awarded in any one year to a graduate of Moses Brown School, it may be awarded to someone else, preferably from New England, in the discretion of the College. If advisable, it may be given to more than one boy in any year. My preference is that it be awarded to a member of the Society of Friends, but I do not so restrict it. Should the time come when, for any reason, scholarships may not be needed or desirable, having full confidence in the Management of the College, I wish that both the principal and the income be used as the College in its sole discretion shall determine.

"I suggest that at the College it be known as the 'Moses Brown School Scholarship', and at the School as the 'Haverford Scholarship'." A further gitt of \$4,985.00 was made in 1949-50 and \$2,715 in 1950-51 (through 1949 campaign). Present book value, \$10,000.

# WILLIAM GRAHAM TYLER MEMORIAL SCHOLARSHIP FUND

Founded Tenth Month 1949 by gift of \$15,000 from Miss Mary Graham Tyler in memory of her father, William Graham Tyler, Class of 1858. Formerly of Philadelphia, William Graham Tyler took an active part in civic improvement in New Jersey and in Iowa, and was concerned with the advancement of Friends Education at both William Penn College and Haverford College.

The income from the fund is to be granted each year, in the discretion of the College, as scholarship aid to some student or students on the basis of character, scholarship, and financial need. Preference is to be given to students from Oskaloosa, Iowa, or William Penn College in that state.

#### 1890 MEMORIAL SCHOLARSHIP FUND

Founded in March 1950 by a gift of \$2500 from Andrew L. Lewis of Worcester, Pennsylvania, in memory of his father, John F. T. Lewis, of Class of 1890, "and in recognition of his father's friendship with the members of his class."

The income from this fund is to be, awarded as a scholarship by the College to a deserving student. Since in the beginning the income from this fund will not be large enough to furnish an entire scholarship, it may be used in conjunction with some other scholarship to insure aid of material size, Increased by \$100 in 1951-52 and \$100 in 1952-53. Present book value, \$2,700.

# 1949 CAMPAIGN SCHOLARSHIP FUND

Founded Sept. 1, 1950 by a transfer of \$38,610.00 from the receipts of the

1949 Haverford Campaign for additional endowment.

The income is to be used to increase funds available for scholarships, in order to maintain the quality and increase the diversity of the student body and to carry on the tradition that personal merit rather than ability to pay is the primary entrance qualification.

Until otherwise ordered by the Board, 10% of the income is to be capitalized each year; provided that this shall not reduce the yield from the fund below 4%.

A portion of the Capital of this fund may be expended at the discretion of the Board of Managers in accordance with the policy stated in the Campaign Appeal. Present book value, \$47,722.19.

## MAX LEUCHTER SCHOLARSHIP FUND

The plan for this fund was evolved during the life of Max Leuchter, who died in 1949, and carried out upon his death by his wife Cecila P. Leuchter and his sons, Ben Z. Leuchter and Joel C. Leuchter. Self educated after completion of grade school, becoming editor and publisher of the Vineland Times Journal, Max Leuchter wished to benefit the College to which he sent his son, and which he had come to greatly admire.

The purpose of the donors in making this gift in 1950 of \$10,000.00 was to "create a scholarship which shall be given yearly to a student whose need can be demonstrated, whose academic performance meets the College requirements, and who, in addition, gives promise of making an outstanding contribution to the life of the College through his breadth of interest, his love of hard

play and of hard work."

The scholarship shall be in the amount of \$300.00 in the beginning. It may be given to a new student each year or to one student through each of his four years. All income received above \$300.00 shall be capitalized each year.

"When the income from the fund has reached proportions such that an additional scholarship of \$300.00 can be awarded, and that at the same time at least \$300.00 can be returned to the fund, the additional award shall then be made."

"It is the further wish of the donors that, while their interests are primarily as stated above, should the Board of Managers of the College be faced with circumstances which cannot be foreseen now, the Board may, at its discretion, use the income from the fund for College purposes other than the scholarship purposes." The present book value is \$12,055.52.

## A, CLEMENT WILD SCHOLARSHIP FUND

Founded in 1951 by a first gift of \$4,087.50 of Gertrude T. Wild in memory of her husband, A. Clement Wild, of the class of 1899. The income from the fund is to be used for a scholarship or scholarships, to be granted without restrictions in the discretion of the College.

In making the gift the donor, though reiterating the freedom from restrictions, expressed the feeling that as A. Clement Wild was born in England, becoming a naturalized American Citizen, a grant to an English Exchange Student or someone in a similar category would be appropriate. Increased by \$4,625.00 in 1951-52, \$4,300.00 in 1952-53, in 1953-54 \$4,100.00 and in 1954-55 \$5,300.00. The present book value is \$22,412.50.

## CLASS OF 1904 SCHOLARSHIP FUND

Founded June 4th, 1954 in commemoration of its fiftieth anniversary by the Class of 1904 and the families of its deceased members, the Fund is to be used for scholarship purposes and has a present book value of \$6,000.

# CAROLINE CHASE SCHOLARSHIP FUND

Founded December 10, 1951 by payment on a bequest of part of the residue of the estate of Caroline Chase, daughter of Thomas Chase, one time president of the College, of Providence, Rhode Island, whose Will provided:

"This gift is made as an expression of my father's enthusiastic appreciation for its high standards of scholarship in Greek, Latin and English literature.

"It is my intention that the said share given to said Haverford College shall be used for any of the educational purposes of said College according to the discretion of the President of the time being."

Present book value of the fund is \$6,245.11.

### ROY THURLBY GRIFFITH MEMORIAL FUND

Founded in 1953 by a legacy of \$5,000.00 from Crace H. Griffith, who died April 14, 1952, in memory of Roy Thurlby Griffith, class 1919. "The income therefrom to be used for a scholarship or scholarships for such individual or

individuals as in the judgment of the Trustees of said College shall be deserving of the same. The Trustees of said College shall have full power and discretion to determine the number of scholarships, the amount of such scholarships, and the recipients of the same, but it is my desire that wherever possible preference shall be given to boys who have no father and who are in need of financial assistance." Present book value \$5,000.

# FUNDS FOR THE LIBRARY ALUMNI LIBRARY FUND

Founded in 1863 by contributions from the alumni and other friends of the College. In 1909 the unexpended balance (about \$5,000) of a fund of \$10,000 raised in 1892, and known as the "New Library Fund," was merged into the Alumni Library Fund. Present book value, \$17,435.06. The income is used for binding and miscellaneous expenses of the Library.

#### MARY FARNUM BROWN LIBRARY FUND

Founded in 1892 by gift of \$20,000 from T. Wistar Brown, executor of the Estate of Mary Farnum Brown. Additions were made by T. Wistar Brown in 1894, \$10,000 for a lecture fund, and in 1913, \$20,000. In 1916, after T. Wistar Brown's death, there was added to this fund \$34,499.78 par value of securities, book value, \$30,149.78, being a trust which he had created for this purpose in 1908 and to which he had made additions in subsequent years. Present book value, \$68,064.66. The purpose of this fund (except \$10,000) is for the increase and extension of the Library. The income only is to be used for the purchase of books, and one-fifth of same is to be spent for books promoting the increase of Christian knowledge. The books purchased with the income of this fund are marked by a special book-plate. The income of \$10,000 of the fund is to provide for an annual course of lectures upon Biblical subjects designated "The Haverford Library Lectures." Unused income from the fund, if any, must be capitalized at the end of each fiscal year.

## WILLIAM H. JENKS LIBRARY FUND

Founded in 1910 by gift of \$5,000 from Hannah M. Jenks, widow of William H. Jenks. The fund was first known as "Special Library Fund," but after the death of Hannah M. Jenks was changed, in 1916, to "William H. Jenks Library Fund." The purpose of this fund is that the income shall be used for the care of the collection of Friends' books made by William H. Jenks and given by his widow to Haverford College, and to make appropriate additions thereto. Any income not used for these purposes may be used toward the general needs of the Library. Present book value, \$5,000.00.

## MARY WISTAR BROWN WILLIAMS LIBRARY FUND

Founded in 1914 by gift of \$20,000 from Parker S. Williams, '94, as a memorial to his late wife, Mary Wistar Brown Williams. The income only is to be used for the purchase of books for the Library, preferably books coming within the classes of history, poetry, art, and English and French literature. The books purchased with the income of this fund are marked by a special book-plate.

## ANNA YARNALL FUND

Founded in 1916 by residuary bequest of \$13,000 par value of securities with book value of \$7,110, and one-half interest in suburban real estate from Anna Yarnall. Additional amount under bequest was received in 1918. Present book value, \$173,078.14. The real estate was sold in 1923 and netted the College \$164,820.50. The bequest was made for the general use of the Library. The Testatrix says, "I do not wish to restrict the managers as to the particular application of this fund, but desire them to use the income arising from it as in their best judgment and discretion shall seem best, for the purchase of books and manuscripts, book cases, rebinding of books, and, if need be, the principal or portions thereof, or the income or portions thereof, for additions to the pres-

ent Library building, or the erection of new Library buildings. I direct that all books purchased with this fund shall be plainly marked 'Charles Yarnall Memorial' in memory of my father, Charles Yarnall."

#### F. B. GUMMERE LIBRARY FUND

Founded in 1920 by gift of \$635.41, raised among the students by the Students, Association of the College as a memorial to Professor Francis Barton Gummere. The income only is to be used to buy for the Haverford College Library books on the subjects that he taught or was interested in.

The student's Association voted to raise twenty-five dollars for a special shelf in the Library to be known as the "F. B. Gummere Memorial Shelf." This shelf, with its proper inscription, holds the books purchased by this fund.

Present book value, \$635.47.

# EDMUND MORRIS FERGUSSON, JR., CLASS OF 1920 MEMORIAL FUND

Founded in 1920 by memorial gift of \$1,000 from the family of Edmund Morris Fergusson, Jr., Class of 1920, who died at the College in his Senior year. The income only is to be used for the maintenance and increase of the Library's Department of English and American Literature. The books purchased with the income of this fund are marked by a special book-plate indicating its source. Present book value, \$1,002.34.

### **CLASS OF 1888 LIBRARY FUND**

Founded Sixth Month 15, 1938, by gifts totaling \$5,250 from members and families of the Class of 1888, on the occasion of their fiftieth anniversary. The conditions of the gift are as follows:

- (1) A fund is to be established, to be known as "THE CLASS OF 1888 LIBRARY FUND."
- (2) The income only of this fund is to be used exclusively for the purchase of books for the Haverford College Library, except as noted below (in Clause 6).
- (3) The fund established now will be added to later by gift or bequest.
- (4) Members of the Class also expect to donate books to the Library, with the understanding that when such books are duplicates of books already in the Library, they may be exchanged for books needed, or sold, and the money so obtained used in the same way as the income of the fund.
- (5) All books purchased by the income of the fund (or obtained as in 4) are to be provided with a special book-plate to be furnished by the Class.
- (6) Income from the Class Fund or moneys obtained by sale of duplicate books may, when necessary, be used for binding or repair of books designated as belonging to the Class collection. Additional donations were made as follows: \$500 in 1939-40; \$100 in 1943-44; \$500 in 1944-45 and \$200 in 1945-46. Present book value, \$6,550.00.

#### **CLASS OF 1918 LIBRARY FUND**

Founded Third Month 24, 1938 by gift from the Class of 1918 in commemoration of their twentieth anniversary. The gift was \$1,753.52 of which \$500 was spent for a portrait of the late Rayner W. Kelsey, Professor of History, who died Tenth Month 29, 1934; and the balance of \$1,253.52 was used in establishing a new Library Fund, the income to be used for books. Present book value, \$1,253.52.

# **QUAKERIANA FUND**

Founded 1st Month 8, 1947, by gift of \$600 from President Emeritus William Wistar Comfort '94, as explained in letter from him as follows: "In 1940 some Alumni gave me a sum of money to buy books for myself. This I have done, and now there remains \$600 which I wish to make over to the Corporation, the interest of which may provide books or manuscripts for the Quaker collections. As a compliment to the donors of the fund, I should like the enclosed bookplate to be inserted in such future purchases."

# MOHONK FUND FOR THE RUFUS JONES COLLECTION OF MYSTICISM

Founded Third Month 21, 1949 by gifts totaling \$1,500 from members of the

Albert K. Smiley family of Mohonk Lake, N. Y.

The gift was made "to make possible additions to the Rufus Jones Collection on Mysticism in the College Library," with the further provision that "it may be used at the discretion of Haverford College, if the purpose for which it is intended should no longer be applicable or desirable."

The fund is classified among Library Funds, and is included in Consolidated

Investment Account. Book value, \$1,500.

# RUFUS M. JONES BOOK FUND

Founded Seventh Month 11, 1949 from bequest of \$5,000 through a deed of Trust established by Rufus M. Jones during his life, "the income only to be used—for the purchase of books on Mysticism, to be added to the Collection of books on that subject," which he turned over to the College a few years before his death.

The fund is designated as the Rufus M. Jones Book Fund, is classified among Library Funds, and is included in Consolidated Investment Account. Book value, \$5,000.

#### 1949 CAMPAIGN LIBRARY FUND

Founded Sept. 1, 1950 by a transfer of \$22,100. from the receipts of the 1949 Haverford Campaign for additional endowment.

The income is to be used to increase funds with which to buy books, and

thus maintain the excellence of the Library.

Until otherwise ordered by the Board, 10% of the income is to be capitalized each year; provided that this shall not reduce the yield from the fund below 4%.

A portion of the Capital of this Fund may be expended at the discretion of the Board of Managers in accordance with the policy stated in the Campaign Appeal. Present book value, \$35,648.84.

#### **FUNDS FOR PENSIONS**

#### PRESIDENT SHARPLESS FUND

Founded in 1907 by contributions from interested friends of the College. finally amounting to \$40,000. Present book value, \$41,237.08. The income is to be used for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

#### WILLIAM P. HENSZEY FUND

Founded in 1908 by gift of \$10,000 from William P. Henszey, donated in connection with the raising of the President Slambless Fund, but kept as a separate fund. Increased in 1909 by legacy of \$25,000 from William P. Henszey. Present book value, \$36,758,66. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

# JACOB P. JONES BENEFIT FUND

Founded in 1909 and increased in 1910 by proceeds of land sold for account of Jacob P. Jones legacy. Present book value, \$68,113.78. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

# PLINY EARLE CHASE MEMORIAL FUND

Founded in 1909 by transfer to the College of a fund raised in 1887 in memory of Professor Pliny Earle Chase, and amounting to par value of \$4,173.04. The income of this fund is used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. This income is transferred annually to the Haverford College Pension Fund, for old style pensions, or, if not needed for pensions, is capitalized in said fund. Present book value, \$3,272,24.

#### HAVERFORD COLLEGE PENSION FUND

Founded in 1920 and added to since, being accumulations of income from the President Sharpless Fund, the William P. Henszey Fund, the Jacob P. Jones Benefit Fund and the Pliny Earle Chase Memorial Fund, not needed for pensions. Present book value, \$112,040.73. The income from this fund, together with the income from the four above-mentioned funds, is used for old style pensions. Income not needed for pensions was capitalized until 1932; then any unused income was used toward the College's share in cost of new contributory pensions with the Teachers' Annuity and Insurance Association. Now the old style pensions call for more than the income of all these Pension Funds. When the proper time conies in an actuarial sense, the principal of this fund can be used as well as the income for the old style pensions until they cease.

#### FUNDS FOR SPECIAL PURPOSES

#### THOMAS SHIPLEY FUND

Founded in 1904 by gift of \$5,000 from the late Samuel R. Shipley as a memorial to his father, Thomas Shipley. Present book value, \$5,248.00. The income only to be used for lectures on English Literature at the College. In case of actual need, at the discretion of the President of the College, the income can be used for general expenditures.

#### **ELLISTON P. MORRIS FUND**

Founded in 1906 by gift of \$1,000 from Elliston P. Morris, '48. The income is to be used as a prize for essays to be written by students on the subject of Arbitration and Peace. "The Elliston P. Morris Prize" of \$40 is given in each year, the competition being open to all undergraduates and to graduates of not more than three years' standing.

In 1929, it was determined, with the consent of the family of Elliston P. Morris, that when the prize is not awarded the income may be used for the purchase of library books on arbitration and peace. Present book value, \$1,126.75.

# JOHN B. GARRETT READING PRIZE FUND

Founded in 1908 by a gift of \$2,000 par value of bonds by the late John B. Garrett, '54. It was the purpose of the donor to ensure the permanence of a prize or prizes for Systematic Reading, which he had given for a number of years. The prizes were not awarded from 1922 to 1939 on account of default of the bonds. Reorganization has resulted in 1939 in sufficient recovery of value to provide again for this prize. Present book value, \$2,247.87.

#### SPECIAL ENDOWMENT FUND

Founded in 1909 by gift of \$12,000 par value of bonds, book value \$11,800, from an anonymous donor. The income only of this fund to be used "to furnish opportunity for study of social and economic and religious conditions and duties connected therewith, especially from a Christian point of view." The income is used toward the expenses of Summer Schools for Religious Study, which have been held at Haverford and Swarthmore Colleges from time to time, and also for religious education under Friends' care.

On Fifth Month 16, 1930, the Managers adopted the following amendment, made at the suggestion of the donor, now revealed to be John Thompson Emlen, 1900: "If, however, it shall in the course of time be deemed advisable by the President and the Managers that the income of this fund can be used more profitably by the College for other purposes than those herewith stated, it is my desire that they shall act in accordance with their judgment." Present book value, \$9,227.07.

#### SCHOLARSHIP IMPROVEMENT PRIZE FUND

Founded in 1913 by gift of \$2,000 par value of bonds, book value, \$1,200, from John L. Scull, '05. Present book value, \$2,296.88. The income only to be used to establish two prizes of \$50 and \$45 annually to the two students in the graduating class showing the most marked and steady improvement in scholarship during their college course.

#### ELIZABETH P. SMITH FUND

Founded in 1915 by bequest of \$1,000 from Elizabeth P. Smith. Present book value, \$1,727.00. The income only to be used as a prize for the best essays on Peace written by students of the College.

#### S. P. LIPPINCOTT HISTORY PRIZE FUND

Founded in 1917 by gift of \$2,500 par value of bonds, book value, \$2,546.88, from beneficiary of the estate of S. P. Lippincott, '86. The income only to be used as an annual history prize, which is designated "The S. P. Lippincott History Prize." The award is to be made on the basis of a competitive essay. In any year when no award is made, the income is to be used for the purchase of library books in the field of the unawarded prize. Present book value, \$2,546.88.

# FRANCIS STOKES FUND

Founded in 1919 by gift of \$5,000 in securities, book value, \$5,000, from Francis J. Stokes, '94, in memory of his father, Francis Stokes, of the Class of 1852, and a Manager of Haverford from 1885 until his death in 1916. The income is to be used for extending the planting of trees and shrubs on the College grounds. The wish is expressed, but not as a binding condition of the gift, that the Campus Club should have the direction of the expenditure of this income. Present book value, \$5,120.30.

## GEORGE PEIRCE PRIZE FUND

Founded in 1919 by gift of \$600, and increased in 1920 by further gift of \$400 from Harold and Charlotte C. Peirce in memory of their deceased son, George Peirce, '03. Present book value, \$3,071.60. 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, \$3,502.61.

# LYMAN BEECHER HALL PRIZE FUND

Founded in 1924 by donation of securities of par value, \$2,000, book value, \$1,820, from the Class of 1898 in commemoration of their 25th anniversary of graduation to establish an annual prize of \$100 in Chemistry in honor of Doctor Lyman Beecher Hall, Professor of Chemistry at Haverford College from 1880 to 1917. Present book value, \$2,155.00.

# **NEWTON PRIZE FUND**

Founded in 1925 by donation of five shares of General Electric Co. stock by A. Edward Newton, par value, \$500, and book value, \$1,348.25. The income only is to be used for "The Newton Prize in English Literature to the undergraduate who shall submit the best essay on some subject connected with English literature." In 1930, the award was changed to be on the basis of Final Honors, and in any year when no award is made the income is to be used for the purchase of library books in the field of the unawarded prize. Present book value, \$1,397.75.

## EDWARD B. CONKLIN ATHLETIC FUND

Founded in 1925 and added to in 1926, 1927 and 1929 by Frank H. Conklin, '95, in memory of his brother, Edward B. Conklin, '99. Present book value, \$2,400.00. The income is to be used without restriction in any branch of athletics.

## ARBORETUM FUND

Founded in 1928 by setting aside \$5,000 from proceeds from sale of 5.811 acres of land on the southern boundary and southeast corner of the College farm. Until otherwise ordered by the Managers, the fund is to be invested and

the income only is to be used under the direction of the Campus Club for trees and shrubs upon the College grounds, or for their care, or for other similar purposes. Addition in 1951 (through 1949 campaign) of \$4,775 by Edward Woolman. Present book value, \$9,362.75.

#### WILLIAM ELLIS SCULL PRIZE FUND

Founded in 1929 by William Ellis Scull, '83, by a gift of \$2,000. The income is to be used annually, so long as the Managers may judge expedient, as a prize to be awarded at Commencement by the Faculty to that upper classman who in their judgment shall have shown the greatest improvement in voice and the articulation of the English Language. The prize is to be known as "The William Ellis Scull Prize." Present book value, \$2,000.00.

#### PAUL D. I. MAIER FUND

Founded Tenth Month 7, 1936, by bequest of \$1,000 from Paul D. I. Maier, '96, of Bryn Mawr, Pa. The bequest provides for the continuance of the Class of 1896 Prizes of \$10 each in Latin and Mathematics, and any balance of income is to be used for general purposes. Present book value, \$1,000.00.

### STRAWBRIDGE OBSERVATORY MAINTENANCE FUND

Founded Second Month 13, 1937, from donations of \$5,627.37 from members of the Strawbridge family, being the amount in excess of the actual cost of the rebuilding and reequipment of the William J. Strawbridge, '94. Memorial Astronomical Observatory. The income is used for the maintenance and equipment of the observatory. The principal can be used for additional equipment, if so determined by the Board of Managers. In 1938 and 1939 an astrographic camera was so purchased at a cost of \$1,787.83. Present book value, \$3,839.54.

#### 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.

# JACOB AND ENGENIE BUCKY MEMORIAL FOUNDATION

Founded Sixth Month 4, 1942 by gift of \$2,000.00 from Colonial Trust Company of New York and Solomon L. Fridenberg of Philadelphia, co-trustees under the will of Eugenie Bucky, deceased (late of New York), the income only to be used. At the same time accumulated income of \$2,000.00 was also donated as Bucky Foundation Gift, this amount to be available for use for the same purposes as the income of the Foundation. Extracts from Mrs. Bucky's will and codicils in reference to the purposes of the Bucky Foundation are here made as follows:

"The purpose or object of such a Foundation or Fund is and shall be for the encouragement of them who seek new truths, and who endeavor to free and clear from mystery and confusion our knowledge concerning God<sup>1</sup>; 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.<sup>2</sup>

"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 and 1954-1955 further gifts from the Trustees were added to the fund. Unused income, if any, has also been capitalized. Present book value, \$5,569.50.

### 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, \$50.00, are awarded annually, in competition, by examination. Present book value, \$1,452.41.

### WILLIAM T. ELKINTON FUND

Founded Ninth Month 6, 1944, by bequest from William T. Elkinton, of Philadelphia, arising from a Trust set up by him during his lifetime. The principal was \$2,491.50 and income received, \$11.11, a total of \$2,502.61. After the death of a life beneficiary, the Trust provided: "to pay over, assign and transfer one of said equal parts unto the Corporation of Haverford College (a corporation of the State of Pennsylvania); the principal fund thus passing to said Corporation to constitute a part of such endowment as may be established at Haverford College as a fitting memorial of Friends' relief work abroad, which memorial 'should foster the peaceful relations of the United States with foreign countries by acquainting our youth with the principles of European governments and with international problems'; provided however, that if no such Endowment should be established at Haverford College prior to the expiration of one year after the principal of the Fund hereby conveyed becomes distributable under the provisions of this deed, the said one-third part of the fund hereby conveyed shall be devoted by the Corporation of Haverford College for such other purpose as the Trustees acting hereunder, their survivor or successor, shall designate, preferably for the furtherance of education in some form at Haverford College or for providing assistance in the form of scholarships to promote education."

In accordance with a suggestion from President Morley, concurred in by Thomas W. Elkinton representing the Trustees, the Managers voted on Ninth Month 22, 1944, that "the income until otherwise directed, is to be used for traveling and other expenses in the attendance at intercollegiate conferences for discussion of international problems by representatives of the International Relations Club at Haverford." The Trustee further stated "as long as the activities of the Club are closely related to 'acquainting our youth with the principles of European governments and with international problems,' the use of the income by the Club would be satisfactory."

### TILNEY MEMORIAL FUND

Founded in First Month, 1945, by gifts totaling \$2,000 by I. Sheldon Tilney, 1903, in memory of his parents, John S. and Georgiana E. Tilney. The income is to be used "to try to influence the student body towards a more religious viewpoint of life." Permission was also granted by the donor that "the income may be used also in connection with a scholarship for students in the field of Philosophy or Biblical Literature."

In 1945-1946 the fund was increased to \$5,000, by gifts of \$1,000 from Georgiana S. Kirkbride and \$2,000 from Robert W. Tilney, sister and brother of I. Sheldon Tilney. In 1948-49 a further gift of \$250 was received from I. Sheldon Tilney. In 1949-50 a further gift of \$1,000 and in 1952-53 \$500

was received from I. Sheldon Tilney. Present book value, \$6,500.

### 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." Present book value is \$6,315.00.

### EDMUND J. LEE MEMORIAL AWARD FUND

Founded Eighth Month 31, 1948, by donations totaling \$906.50 from members of the Class of 1943 on the occasion of their Fifth Reunion. The Class desired "to perpetuate the memory of Edmund Jennings Lee, 2nd, its sole member killed in the past war, and to stimulate in the College that spirit of service for which he was known. In 1948-1949 a further gift of \$100 was received from Miss Mildred W. Lee, sister of Edmund J. Lee.

"The proceeds from the invested fund shall be used to establish an annual award to be known as the Edmund J. Lee Memorial Award to be awarded annually beginning in 1949, to the recognized undergraduate organization which has contributed most toward the furtheranec 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."

### THE DAVID R. BOWEN PREMEDICAL FUND

Established in 1950 by the family and friends of the late Dr. David R. Bowen, who, regretting a definite lack in his own training, believed strongly that men preparing to be physicians should receive a basic liberal education of the kind offered at Haverford College. The income is to be used at the discretion of the President of Haverford College, to purchase books for the use of premedical students, pay for professional magazine subscriptions, for lecturers, or for any other projects closely related to premedical training. Further gifts have been made yearly to the fund. Present book value, \$792.55.

### JONATHAN & RACHEL COPE EVANS FUND

"Founded in 1952, through gifts to the 1949 Campaign by the children and grandchildren of Jonathan and Rachel Cope Evans. The principal is to be invested and the income used one-half for scholarships and one-half for the purposes of the Rufus M. Jones Fund for Advancement of Teaching. If, however, at the expiration of twenty-five years the Board of Managers deems it advisable to use the income, or if necessary the principal, of the Fund for other purposes, it shall be free to do so." A further gift was made in 1952-53 of \$500. Present book value is \$14.043.62.

### EDWARD HAWKINS MEMORIAL FUND

Established in 1953 by a gift to the College from the Class of 1937. The Fund is given in memory of Edward Hawkins, a member of that class.

The income to be used for the purchase of equipment required for intramural athletics. If such becomes impracticable, the income is to be used as directed by the Managers. Present book value is \$1,457.44.

WILLIAM W. BAKER PRIZE FUND

"Founded in 1954 by bequest of \$500.00 from Mertie Gay Baker, who died January 31st, 1954, the fund is to be invested and the income given as a prize in the study of Greek. If the study of Greek at the said College should be discontinued, I direct that the income be given as a prize for the study of Latin and should the study of Latin be discontinued, I direct that the income be used as a prize in the study of Ancient History or Biblical Literature."

# STATED MEETINGS OF THE CORPORATION AND THE MANAGERS

The Annual Meeting of "The Corporation of Haverford College" is held in Tenth Month at such time and place as the Board of Managers may determine.

The Stated Meetings of the Managers for 1953-54 will be held on the third Sixth-day of First, Third, Fifth, Ninth and Eleventh months.

#### LEGACIES

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

### FORM OF BEQUEST OF PERSONAL PROPERTY

I give and bequeath, free and clear of all estate, inheritance or other similar taxes, unto The Corporation of Haverford College, the

### FORM OF DEVISE OF REAL ESTATE

I give and devise, free and clear of all estate, inheritance or other similar taxes, unto The Corporation of Haverford College, its Successors and Assigns, in fee, the following described real estates: (Here describe the real estate.)





# Haverford College Bulletin



Directory, 1955-56

VOLUME LIV

NUMBER THREE

January, 1956

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 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 \$8,300,000. 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.

|       |    |    |    |    |    |    | 1.0 | 5 5     |    |    |    |    |    |    |    |
|-------|----|----|----|----|----|----|-----|---------|----|----|----|----|----|----|----|
|       |    |    |    |    |    |    |     | <i></i> | ı  |    |    |    |    |    |    |
|       | S  | M  | T  | W  | T  | F  | S   |         | S  | M  | T  | W  | T  | F  | S  |
| Sept. |    |    |    |    | 1  | 2  | 3   | Nov.    |    |    | 1  | 2  | 3  | 4  | 5  |
|       | 4  | 5  | 6  | 7  | 8  | 9  | 10  |         | 6  | 7  | 8  | 9  | 10 | 11 | 12 |
|       | 11 | 12 | 13 | 14 | 15 | 16 | 17  |         | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|       | 18 | 19 | 20 | 21 | 22 | 23 | 24  |         | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|       | 25 | 26 | 27 | 28 | 29 | 30 |     |         | 27 | 28 | 29 | 30 |    |    |    |
| Oct.  |    |    |    |    |    |    | 1   | Dec.    |    |    |    |    | 1  | 2  | 3  |
| Oct.  | 2  | 3  | 4  | 5  | 6  | 7  | 8   | Dec.    | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
|       | 9  | 10 | 11 | 12 | 13 | 14 | 15  |         | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|       | 16 | 17 | 18 | 19 | 20 | 21 | 22  |         | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|       | 23 | 24 | 25 | 26 | 27 | 28 | 29  |         | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|       | 30 | 31 |    |    |    |    |     |         |    |    |    |    |    |    |    |
|       |    |    |    |    |    |    |     |         |    |    |    |    |    |    |    |
|       |    |    |    |    |    |    | 19  | 56      |    |    |    |    |    |    |    |
|       | S  | M  | Т  | W  | Т  | F  | S   |         | S  | M  | T  | W  | T  | F  | S  |
| Jan.  | 1  | 2  | 3  | 4  | 5  | 6  | 7   | Apr.    | 1  | 2  | 3  | 4  | 5  | 6  | 7  |
|       | 8  | 9  | 10 | 11 | 12 | 13 | 14  |         | 8  | 9  | 10 | 11 | 12 | 13 | 14 |
|       | 15 | 16 | 17 | 18 | 19 | 20 | 21  |         | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
|       | 22 | 23 | 24 | 25 | 26 | 27 | 28  |         | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
|       | 29 | 30 | 31 |    |    |    |     |         | 29 | 30 |    |    |    |    |    |
| Feb.  |    |    |    | 1  | 2  | 3  | 4   | May     |    |    | 1  | 2  | 3  | 4  | 5  |
| 100   | 5  | 6  | 7  | 8  | 9  | 10 | 11  | 2       | 6  | 7  | 8  | 9  | 10 | 11 | 12 |
|       | 12 | 13 | 14 | 15 | 16 | 17 | 18  |         | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
|       | 19 | 20 | 21 | 22 | 23 | 24 | 25  |         | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
|       | 26 | 27 | 28 | 29 |    |    |     |         | 27 | 28 | 29 | 30 | 31 |    |    |
|       |    |    |    |    |    |    |     |         |    |    |    |    |    |    |    |
| March |    |    |    |    | 1  | 2  | 3   | June    |    |    |    |    |    | 1  | 2  |
|       | 4  | 5  | 6  | 7  | 8  | 9  | 10  |         | 3  | 4  | 5  | 6  | 7  | 8  | 9  |
|       | 11 | 12 | 13 | 14 | 15 | 16 | 17  |         | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|       | 18 | 19 | 20 | 21 | 22 | 23 | 24  |         | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
|       |    |    |    |    |    |    |     |         | 1  |    |    |    |    |    |    |
|       | 25 | 26 | 27 | 28 | 29 | 30 | 31  |         | 24 | 25 | 26 | 27 | 28 | 29 | 30 |

College days in heavy-face type.

# Calendar

# 1955-1956

| Registration of all new students  | ept. 26-27  |
|---|-------------|
| Beginning of College year with Collection, 9 A.M.                                       | . Sept. 28  |
| Registration of returning students to be filed by 4 P.M.                                | . Sept. 28  |
| First semester classes begin 8 A.M.   | . Sept. 29  |
| Thanksgiving vacation (dates inclusive) 1 P.M.  | Nov. 23-27  |
| Major Registration cards for men in the fourth term must be filed by 4 P.M.             | Dec. 7      |
| Registration (Spring Term)  | 13, 14, 15  |
| Christmas vacation (dates inclusive) 12 noon Dec.                                       | 17-Jan. 2   |
| First Semester classes end, 4 P.M.  All papers assigned must be turned in by 4 P.M.*    | Jan. 19     |
| Mid-year examinations (dates inclusive) **  | 23-Feb. 4   |
|   |             |
| Second semester classes begin 8 A.M.  | Feb. 6      |
| Applications for Fellowships for the following year must be filed by                    | Mar. 1      |
| Spring vacation (dates inclusive)   | 24-Apr. 1   |
| Major Registration cards for men in the fourth term must be filed by 4 P.M              | . Apr. 11   |
| Manuscripts in competition for prizes must be filed in the Registrar's Office by 4 P.M. | May 1       |
| Registration (Fall Term)  | May 1, 2, 3 |
| Second Semester classes end 12 noon  All papers assigned must be turned in by 4 P.M.*   |             |
| Senior Comprehensive Examinations (dates inclusive)                                     | May 21-24   |
| Final examinations (dates inclusive) **   | 24-June 6   |
| Commencement  | June 8      |

<sup>•</sup>If a paper is assigned in place of the final examination in a course the date by which is it due may be set by the instructor not later than 4 P.M. on Tuesday of the final week of the examination period. Late papers will receive no credit unless arrangements have been made in advance with the instructor in the course and the Dean.

<sup>•</sup> 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 arangements have been made in advance with the instructor in the course and the Dean. In courses which have no scheduled examination, notebooks must be turned in by 4 P.M. on Tuesday of the final week of the examination period.

# HAVERFORD COLLEGE

Student Activities Calendar 1955 - 1956

| September |            | Freshman Orientation Period               |
|-----------|------------|---|
| September |            | Freshman-Faculty Picnic                   |
| September |            | Registration of new students              |
| September |            | Beginning of College year with Collection |
| September |            | Registration of returning students        |
| September | <b>2</b> 9 | First semester classes begin              |
|           |            |   |
| October   | 1          | Soccer                                    |
| October   | 7          | Cross Country                             |
| October   | 8          | Homecoming                                |
| October   | 8          | Football                                  |
| October   | 8          | Soccer                                    |
| October   | 12         | Campus Day                                |
| October   | 14         | Cross Country                             |
| October   | 21         | Cross Country                             |
| October   | 22         | Soccer                                    |
| October   | 28         | Cross Country                             |
| October   | <b>2</b> 9 | Sophomore Dance                           |
|           |            |   |
| November  | 4 -5       | Drama Club                                |
| November  | 5          | Football                                  |
| November  | 5          | Soccer                                    |
| November  | 12         | Football                                  |
| November  | 19         | Varsity Club Dance                        |
|           |            |   |
| December  | 2-3        | Drama Club at Bryn Mawr                   |
| December  | 3          | Basketball                                |
| December  | 7          | Basketball                                |
| December  | 12         | Christmas Collection and Party            |
| -         |            |   |
| January   | 4          | Basketball                                |
| January   | 7          | Wrestling                                 |
| January   | 11         | Fencing                                   |
| January   | 14         | Basketball at Swarthmore                  |
| January   | 14         | Wrestling                                 |
| T1-1      | 0          | D :                                       |
| February  | 8          | Fencing                                   |
| February  | 11         | Fencing                                   |
| February  | 15         | Basketball                                |
| February  | 17         | Wrestling                                 |

| February | 18         | Basketball                     |
|----------|------------|--------------------------------|
| February | 18         | Fencing                        |
| February | 18         | Freshman Show at Bryn Mawr     |
| February | 19         | Orchestra Concert              |
| February | 22         | Basketball                     |
| February | 23         | Fencing                        |
| February | 25         | Glee Club Concert at Bryn Mawr |
| February | 25         | Basketball                     |
| February | 25         | Wrestling                      |
| February | <b>2</b> 9 | Basketball                     |
|          |            |                                |
| March    | 3          | Basketball                     |
| March    | 8-9        | Class Night                    |
| March    | 10         | Junior Prom                    |
| March    | 16-17      | Drama Club at Bryn Mawr        |
|          |            |                                |
| April    | 4          | Golf                           |
| April    | 5          | Tennis                         |
| April    | 7          | Tennis                         |
| April    | 7          | Glee Club Concert              |
| April    | 11         | Tennis                         |
| April    | 11         | Baseball                       |
| April    | 13         | Golf                           |
| April    | 14         | Tennis                         |
| April    | 14         | Baseball                       |
| April    | 14         | Track                          |
| April    | 17         | Baseball                       |
| April    | 21         | Baseball                       |
| April    | 24         | Golf                           |
| April    | 25         | Baseball                       |
| April    | 27         | Orchestra Concert              |
| April    | 27-28      | Penn Relays                    |
| April    | 28         | Tennis                         |
|          |            |                                |
| May      | 1          | Tennis                         |
| May      | 2          | Golf                           |
| May      | 2          | Track                          |
| May      | 5          | Track                          |
| May      | 5          | Senior Dance                   |
| May      | 11-12      | Drama Club                     |
| May      | 12         | Tennis                         |
| May      | 12         | Baseball                       |
| May      | 12         | Spring Day                     |
|          |            |                                |
| June     | 8          | Commencement                   |
|          |            |                                |

### DIRECTORY

Residence

### FACULTY AND STAFF

Haverford, unless Midway, unless

Telephone

|   | maverioru, umess ivi                            | idway, umess    |                         |  |  |  |  |
|---|---|-----------------|-------------------------|--|--|--|--|
| Name                                    | otherwise noted o                               | therwise noted  | Office                  |  |  |  |  |
| (B.                                     | (B.M.=Bryn Mawr, H.C.=Haverford College)        |                 |                         |  |  |  |  |
| Andrea Dishard W                        | 705 Callege Assense                             | 9-1198          | Founders 103            |  |  |  |  |
| Andree, Richard V. Andrews, Florence W. | 785 College Avenue<br>26 Pine Valley Rd., Broom |                 | Roberts, 1st fl.        |  |  |  |  |
| Asensio, Manuel J.                      | 500 Oakley Road                                 | 2-4163          | Williams House          |  |  |  |  |
| ·                                       | c/o Fulbright House, 15 Sh                      |                 | Williams House          |  |  |  |  |
| **Ashmead, John, Jr.                    | Akasaka, Minato-Ku, Tol                         |                 |                         |  |  |  |  |
| Baker, Percy H.                         | 5919 Locust St., Phila. 39                      | SH 7-5623       | Sharpless 209           |  |  |  |  |
| Baratz, Morton S.                       | 145 Gable Road, Paoli                           | Paoli 3901      | Library 42              |  |  |  |  |
| Beard, Mabel S.                         | 1-C, 10 Railroad Avenue                         | 2-8073          | •                       |  |  |  |  |
| Bell, Philip W.                         | 616 Walnut Lane                                 | 2-2535          | Whitall 10              |  |  |  |  |
| Benham, Thomas A.                       | 3 College Lane                                  | 2-6044          | Sharpless 101           |  |  |  |  |
| **Benfey, O. Theodor                    | Dept. of Chemistry, Harva                       | rd University,  | -                       |  |  |  |  |
| * *                                     | Cambridge, Mass.                                |                 |                         |  |  |  |  |
| Bennett, Jonathan F.                    | 1-D, 10 Railroad Avenue                         |                 | Library 43              |  |  |  |  |
| **Bernheimer, Richard M.                | 8 Chemin Mornex, Lausann                        | ne, Switzerland |                         |  |  |  |  |
| Berry, Alice M.                         | 678 Lincoln Highway, Berv                       | yn Ber. 0225    | Roberts, 2nd fl.        |  |  |  |  |
| Bhatti, Iftikhar H.                     | 510 Walnut Lane, Swarthme                       | ore SW 6-4555   | Sharpless 209           |  |  |  |  |
| Blessing, Ruth L.                       | Infirmary, H.C.                                 | 9-9603          | Infirmary               |  |  |  |  |
| Bluestone, Max                          | 107 Cheswold Lane                               | 2-8125          | Founders 303            |  |  |  |  |
| Bonanno, Lois                           | 2151 Mary Lane, Broomall                        | EL 6-4094       | Business Office         |  |  |  |  |
| Brain, Arthur D.                        |   |                 | Sharpless 301 (2d sem.) |  |  |  |  |
| Bramall, Norman B.                      | 260 Margate Road,<br>Upper Darby                | FL 3-3795       | Gymnasium               |  |  |  |  |
| Bramall, Raymond                        | 554 Broadview Road,<br>Beverly Hills            | FL 2-5581       | Gymnasium               |  |  |  |  |
| Butman, Robert H.                       | 3-D, 10 Railroad Avenue                         | 9-9002          | Chase 3                 |  |  |  |  |
| Cadbury, Henry J.                       | Pendle Hill, Wallingford                        | ME 6-6947       | Library 49              |  |  |  |  |
| Cadbury, William E., Jr.                | 791 College Avenue                              | 2-0203          | Roberts, 1st fl.        |  |  |  |  |
| Campbell, John D.                       | Featherbed Lane, H.C.                           | 2-0654          | Sharpless 308           |  |  |  |  |
| Carr, Edytha M.                         | 154 W. Eagle Road, Oakmo                        |                 | Roberts, 1st fl.        |  |  |  |  |
| Cary, John R.                           | 500 Panmure Road                                | 2-3203          | Whitall 11              |  |  |  |  |
| Caselli, Aldo                           | 6 College Circle                                | 2-5562          | Whitall                 |  |  |  |  |
| Chandler, Carolyn D.                    | 765 College Avenue                              | 9-9080          | Observatory             |  |  |  |  |
| Collins, Lillian B.                     | 201 Fawn Lane                                   | LA 5-2165       | Roberts, 2nd fl.        |  |  |  |  |
| Comfort, Forrest D.                     | 108 Chestnut Ave., Narber                       |                 | Roberts, 1st fl.        |  |  |  |  |
| **Comfort, Howard                       | 901 Rock Creek Road, B.M.                       | I. LA 5-4578    | Sharpless 301           |  |  |  |  |
| Cooper, Bennett S.                      | 4 College Lane                                  | 2-6724          | Alumni Office           |  |  |  |  |
| Cornman, Dr. Henry, III                 | 229 Conshohocken State Ro-<br>Gladwyne          | ad, 2-7736      | Infirmary               |  |  |  |  |
| Craig, Mae E.                           | 5011 Bond Ave., Drexel Hi                       | 11 SW 9-6876    | Library staff           |  |  |  |  |
| Culbert, Craig D.                       | 335 Sycamore Ave., Merio                        |                 | Chem. Lab.              |  |  |  |  |
| DeGraaff, Frances                       | Low Buildings, B. M.                            | LA 5-0115       | Bryn Mawr College       |  |  |  |  |
| Docherty, Patricia                      | 5 Williams Road                                 | LA 5-6335       | Bookstore, Union        |  |  |  |  |
| Docherty, William, Jr.                  | 5 Williams Road                                 | LA 5-6335       | Gymnasium               |  |  |  |  |
| Donovan, Janet L.                       | 237 Signal Rd., Drexel Hill                     |                 | Business Office         |  |  |  |  |
| Drake, Thomas E.                        | 650 Clyde Road, B.M.                            | LA 5-1534       | Library, Treas. Rm.     |  |  |  |  |
| ,                                       | oo oly ac moua, 1, m.                           | 11110 1001      |                         |  |  |  |  |

Name

(B.M.=Bryn Mawr, H.C.=Haverford College)

Telephone

otherwise noted

Midway, unless

|   | ,                                    |   | /                |                     |
|---|--------------------------------------|---|------------------|---------------------|
| * | **Dunn, Emmett R.                    | 748 Rugby Road, B.M.                            | LA 5-2753        |                     |
|   | Durling, Robert M.                   | 521 Panmure Road                                | 9-1382           | Whitall 14          |
|   | Ely, Daniel B.                       | 103 Dudley Ave., Narberth                       | MO 4-8227        | Coop, Union         |
|   | Enggass, Robert                      | 225 N. Roberts Road, B. M.                      | LA 5-8798        | Bryn Mawr College   |
|   | Flight, John W.                      | 791 College Avenue                              | 9-1668           | Sharpless 304       |
|   | Foss, Martin                         | la College Lane                                 | 2-1599           | Library 48          |
|   | Foster, Catherine S.                 | 2008 Laurel Rd., Havertown                      | HI 6-2645        | Roberts, 1st fl.    |
|   | Friedrich, Esther B.                 | 2 College Lane                                  | 2-7414           | Library staff       |
|   | Friedrich, Gerhard G.                | 2 College Lane                                  | 2-7414           | Library 50          |
|   | Goldberger, Else                     | Orchard House,<br>Cedar Grove Rd., Media        | EL 6-3927        | Library staff       |
|   | Gordon, Milton M.                    | 2-A, 10 Railroad Avenue                         | 9-0931           | Library 46          |
|   | Gordon, R. Henri                     | 38 Dorset Road, Devon                           | Wayne 2970       | Gymnasium           |
|   | Gove, Elizabeth A.                   | 664 Woodcrest Ave., Ardmore                     |                  | Business Office     |
| * | **Green, Louis C.                    | 791 College Avenue                              | 9-0265           | Observatory         |
|   | Gross, Barbara M.                    | 2004 Laurel Rd., Havertown                      | HI 6-0444        | Bookstore, Union    |
|   | Gutwirth, Marcel M.                  | 8 College Lane                                  | 9-2266           | Library 44          |
|   | Haddleton, Alfred W.                 | 29 Tenmore Road                                 | LA 5-1235        | Gymnasium           |
|   | Harter, Gerald S.                    | 2511 Grand Ave., Holmes                         | WA 8-1394        | Gymnasium           |
|   | Haviland, H. Field, Jr.              | 629 Haydock Lane                                | 2-9823           | Founders 108        |
|   | Heath, Douglas H.                    | 2-B, 10 Railroad Avenue                         | 2-2810           | Sharpless 306       |
|   | Herndon, John G.                     | 1 College Lane                                  | 2-0364           |                     |
|   | *Hetzel, Theodore B.                 | 768 College Avenue                              | 2-4393           | Hilles, 2nd fl.     |
|   | Hewitt, Anna B.                      | 245 S. 38th St., Phila. 4                       | EV 6-4946        | Library, Treas. Rm. |
|   | Hiscott, Margaret E.                 | 335 Overhill Road, Wayne                        | Wayne 4033       | Gymnasium Office    |
|   | Holmes, Clayton W.                   | 2 College Circle                                | 9-9651           | Hilles, 1st fl.     |
|   | Hornik, Henry                        | 143 S. 60th St., Phila. 39                      | GR 6-4269        | Founders 306        |
| * | **Hunter, Holland                    | Woodside Cottage, H.C.                          | 9-2780           |                     |
|   | Hyslop, Constance                    | 516 Panmure Rd., c/o Feroe                      | 2-7395           | Library staff       |
|   | James, Robert C.                     | Featherbed Lane, H.C.                           | 9-9736           | Founders 105        |
|   | Janschka, Fritz                      | Wyndham Studio,                                 | LA 5-2544        | Bryn Mawr College   |
|   |                                      | Merion Ave., B.M.                               |                  |                     |
|   | Jones, Phyllis                       | 6 College Lane                                  | 9-9600           | Kitchen             |
|   | Jones, Thomas O.                     | 36 Railroad Avenue                              | 2-6908           | Chem. Lab.          |
|   | Jordan, Katherine V.                 | 304 Essex Ave., Narberth                        | MO 4-8599        | Library staff       |
|   | Kelly, John A.                       | 3 College Lane                                  | 2-4160           | Whitall 11          |
|   | Kelly, J. Wallace                    | 27 Wyoming Avenue, Ardmore                      |                  |                     |
|   | Kingham, Kenneth E.                  | County Line Road                                | 9-9938           | Gymnasium           |
|   | Kipping, Margery P.                  | 519 S. Narberth Ave., Merion                    |                  | Alumni Office       |
|   | Krasauskas, Marija K.                | 3236 Berks St., Phila. 21                       | ST 7-8043        | Library staff       |
|   | Lemonick, Aaron                      | 7 College Lane                                  | 9-1485           | Sharpless 107-A     |
|   | Lester, John A., Jr.                 | 5 College Circle                                | 2-6310           | Library, 1st fl.    |
|   | Lockwood, Dean P.<br>Loewy, Ariel G. | 2 College Circle<br>114 Linwood Avenue, Ardmore | 9-9330<br>2-0682 | Library             |
|   | Lunt, William E.                     | 5 College Lane                                  | 9-2315           | Sharpless 201       |
|   | MacCaffrey, Wallace T.               | 1 College Lane                                  | 9-9875           | Library 40          |
|   | MacIntosh, Archibald                 | 3 College Circle                                | 2-0961           | Roberts, 2nd fl.    |
|   | Mahan, Agnes C.                      | 204-I-1 David Drive, B.M.                       | LA 5-5644        | Whitall 6           |
|   | Meldrum, William B.                  | 747 College Avenue                              | 2-0881           | Chem. Lab., 1st fl. |
|   | Mills, James                         | 6712 Souder St., Phila. 24                      | JE 3-8030        | Gymnasium           |
|   | Morsch, Richard O.                   | 217 Wickford Rd., Havertown                     | HI 6-2949        | Gymnasium           |
|   | Newhall, Suzanne K.                  | 164 Pennsylvania Ave., B. M.                    | LA 5-3014        | Library staff       |
|   | Nugent, Miriam R.                    | Founders Hall, H.C.                             | 9-2746           | Dietitian, Founders |
| * | **Oakley, Cletus O.                  | Featherbed Lane, H.C.                           | 9-9895           | Founders 103        |
|   | Oakley, Louise G.                    | Featherbed Lane, H.C.                           | 9-9600           | Founders            |
|   | Palmer, Frederic, Jr.                | 1 College Lane                                  | 2-6878           |                     |
| 4 | ***Parker, Francis H.                | 19980 Parkview Ave., Rocky I                    |                  |                     |
|   |                                      |   |                  |                     |

Name Haverford, unless otherwise noted

Telephone Midway, unless otherwise noted

Office

(B.M.=Bryn Mawr, H.C.=Haverford College)

Residence

| ( D.                    | m, biji mawi, mo. maveriora                | Concept       |                     |
|-------------------------|--|---------------|---------------------|
| Pepinsky, Abraham       | Spera Lane & Whitehall Road,<br>Norristown | NO 5-7584     | Sharpless 108       |
| Perry, Charles          | 749 Polo Road, B. M.                       | LA 5-6031     | Founders            |
| Pfund, Harry W.         | 624 Overhill Road, Ardmore                 | 2-5532        | Whitall 8           |
| Pick, Rochelle          | 122 E. Airy St., Norristown                | NO 5-1274     | Business Office     |
| Pickett, Clarence E.    | 510 Panmure Road                           | 2-6872        |                     |
| Post, L. Arnold         | 9 College Lane                             | 9-2932        | Library 51          |
| Prizer, William         | 23 Railroad Avenue                         | 2-4599        | Gymnasium           |
| Prudente, Ernest        | 822 Wynnewood Rd., Ardmore                 | 2-2577        | Gymnasium           |
| Quinn, Francis J.       | 3-B, 10 Railroad Avenue                    | 2-2748        | Founders 304        |
| Ralph, Esther           |  | Ial. 2879-W   | Library staff       |
| Randall, Roy E.         | Coach House, H.C.                          | 9-9845        | Gymnasium           |
| Rantz, J. Otto          | 2122 Chestnut Ave., Ardmore                | 0 0010        | ay                  |
| Reese, Ruth H.          | 205 Marlboro Rd., Ardmore                  | 2-8788        | Library staff       |
| Reese, William H.       | 3-A, 10 Railroad Avenue                    | 2 0.00        | Music Rm., Union    |
| Reid, Ira De A.         | 2 College Lane                             | 2-7764        | Whitall 12          |
| *Reitzel, William A.    | 2 College Lane                             | 9-1293        | Sharpless 104       |
| Ricci, Rose             |  | Wayne 2642    | Business Office     |
| Richie, David S.        | 154 E. Main St., Moorestown,               |               | Business Office     |
| Rittenhouse, Leon H.    | 6 College Lane                             | 2-5522        |                     |
| Roberts, Jeanne S.      | 703 Beechwood Dr., Havertown               |               | Whitall 6           |
| Roche, John P.          | 773 College Avenue                         | 9-0372        | Chase 7             |
| Rossi, Ruth E.          | 31-B Hurley Court,                         | FL 2-5298     | Business Office     |
| 10001, 1cattl II.       | Upper Darby                                | 1 1 2 0200    | Eddiness Office     |
| Ruffino, John J., Jr.   | 13 Edgewood Rd., Bridgeport                | BR 9-1246     | Gymnasium           |
| Rush, Richard M.        | 3-C, 10 Railroad Avenue                    | 2-6849        | Chem. Lab., 3rd fl. |
| Sargent, Ralph M.       | 4 College Circle                           | 2-3339        | Whitall 7           |
| Scott, Andrew M.        | 617 Railroad Avenue                        | 9-9823        | Library 45          |
| Shaw, Michael           | 2-D, 10 Railroad Avenue                    |               | Library 38          |
| Smith, John W.          | 14 Prospect Avenue, B.M.                   | LA 5-5838     | Founders 306        |
| Snyder, Edward D.       | 36 Railroad Avenue                         | 2-0712        | Chase 3             |
| ***Somers, Herman M.    | 53 Belsize Park, London N. W.              | 3, England    |                     |
| Steere, Douglas V.      | 739 College Avenue                         | 2-0162        | Library 41          |
| Stefan, Marie           | 10-M, Wynnewood Park Apts.,                | 9-0467        | Business Office     |
|                         | Wynnewood                                  |               |                     |
| ***Sutton, Richard M.   | Dept. of Physics, Gustavus Add             | olphus Colleg | ge,                 |
|                         | St. Peter, Minn.                           |               |                     |
| Swan, Alfred            | 773 College Avenue                         | 2-8374        | Music Rm., Union    |
| Teaf, Howard M., Jr.    | 3 College Lane                             | 2-4049        | Whitall 9           |
| Walsh, Lillian D.       | 1-C, 31 Hannum Dr., Ardmore                | 2-1267        | Founders            |
| Watson, Frank D.        | 36 Railroad Avenue                         | 9-1035        |                     |
| Watson, Dr. Wm. R., Jr. | Lancaster Ave. & Cushman Rd. Rosemont      | LA 5-0844     | At residence        |
| Wilson, Albert H.       | 2-C, 10 Railroad Avenue                    | 2-1853        |                     |
| Wilson, Martha A.       | 511 Old Gulph Rd., B.M.                    | LA 5-2052     | Library staff       |
| Wilson, Norman M.       | 23 Wellington Rd., Ardmore                 | 2-4036        | Hilles, basement    |
| Wisner, Robert J.       | 765 College Avenue                         | 9-9080        | Hilles, 2nd fl.     |
| Wonson, Gertrude M.     | North House, New Gulph Rd.,                |               | Roberts, 2nd fl.    |
| Wood, F. Bradshaw       | 627 Shadeland Avenue.                      | CL 9-9394     | Observatory         |
|                         | Drexel Hill                                | 0.30 0001     |                     |
| Woodroofe, Kenneth S.   | 5 College Circle                           | 9-1813        | Founders 305        |
| ***Wylie, Laurence W.   | 753 College Avenue                         |               | Library 39          |
|                         |  |               | •                   |

<sup>\*</sup> Indicates absence during first semester.

<sup>\*\*</sup> Indicates absence during second semester.

<sup>\*\*\*</sup> Indicates absence during whole academic year.

### OPERATIONS PERSONNEL

| Dining Room   | Grounds  | Housekeeping   |
|---|--|--|
| M. Nugent<br>P. Jones   | W. Volkert   | R. Mays  |
| J. Banks R. Bell W. Lanier J. Latney L. Melton W. Newton H. Puryear W. Richardson H. Robinson H. Roselle E. Strothers S. Simpkins D. Young J. Waters L. Wescott | T. Cavanaugh W. Alphin W. Coley L. Coursey L. Gaskins J. Latney P. McDaniel W. Muraski T. Patton | U. Birkhead R. Braxton D. Carter C. Davis A. Edwards J. Efliott J. House S. Lake P. Rolli J. Savage O. Savage W. Ward A. Young |

| Maintenance | Power House |
|-------------|-------------|
| E. Roberts  | C. Chapin   |

- W. Anderson
  G. Banks
  P. Daly
  M. Kellighan
  A. Kulp
  A. McCoury
  C. Roberts
  J. Sinclair
  F. Walsh

- E. Walsh

### COLLEGE OFFICE AND BUILDING TELEPHONES

College offices as well as Faculty members may be reached by dialing MIdway 9-9600, at any time between 9:00 a.m. and 5:00 p.m. on weekdays, and between 9:00 a.m. and 12:30 p.m. on Saturdays.

### NIGHT LINES

When there is no operator on duty, use the following telephone numbers:

| MIdway 9-96 | 000 | Business Office; Maintenance and Operations Office |
|-------------|-----|--|
| MIdway 9-96 | 301 | Library; Registrar                                 |
| MIdway 9-96 | 02  | Chemistry Laboratory; Physics Laboratory           |
| MIdway 2-31 | 33  | Gymnasium; Infirmary                               |
| MIdway 2-73 | 307 | President's Office                                 |
| MIdway 2-57 | 04  | Admissions Office                                  |
| MIdway 2-03 | 340 | Public Relations Office                            |
| MIdway 2-55 | 88  | Dietician  |
|             |     |  |

### PAY STATIONS

| PAY STATIONS   |        |                            |
|--|--------|----------------------------|
| Barclay Hall, First Floor<br>Barclay Hall, Second Floor<br>Barclay Hall, Third Floor | MIdway | 2-9459<br>2-9724<br>2-9717 |
| Founders Hall, East<br>Founders Hall, Dormitory                                      | _      | 2-9460<br>2-9533           |
| French House   | MIdway | 2-9613                     |
| Kitchen  | MIdway | 2-9544                     |
| Leeds Hall, (Rooms 1 to 30)  | 9      | 2-9402                     |
| Leeds Hall, (Rooms 101 to 104)   | -      | 2-9486                     |
| Leeds Hall, (Rooms 201 to 204)   | Midway | 2-9499                     |
| Lloyd Hall, 4th Entry (Rooms 11 to 56)   | MIdway | 2-9520                     |
| Lloyd Hall, 8th Entry (Rooms 61 to 94)   | MIdway | 2-9628                     |
| Power House  | MIdway | 2-9540                     |
| Scull House, 521 Panmure Road  | MIdway | 2-9516                     |
| Union  | MIdway | 2-9514                     |
| Williams House, 500 Oakley Road  | MIdway | 2-9428                     |
|  |        |                            |

Yarnall House, 500 Panmure Road

MIdway 2-9512

# STUDENTS IN THE COLLEGE

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

| B for Barclay F for Founders Ha FH for French Hous Le for Leeds Hall |   | Ll for Lloy<br>SH for Scull<br>WH for Willi<br>YH for Yarn | House<br>ams House |
|--|---|--|--------------------|
| Name   | Home Address                            | College<br>Address   | Private<br>Phone   |
| - Ivanie   | A                                       | 11441 033  |                    |
| ADDAMSON More 1  |   | 217 B  |                    |
|  | Rd., Phila. 38, Pa.                     |  |                    |
| ACTON, Alfred, II Alden Rd., Bryr                                    |   | 320 F  |                    |
| ADAMS, John F  |   | 322 B  |                    |
| ADAMS, M. Ian  | (Page 38)                               | 34 WH  |                    |
| 417 West Price<br>AIKEN, Paul L., Jr.                                | St., Phila. 44, Pa. (Page 38)           | 74 L1  | 2-3645             |
| 8700 Ventnor A   | ve., Margate City, N.J.                 | 10 FH  |                    |
|  | Belmont 78, Mass.                       | _  |                    |
| ALLEN, Harry R 3224 W. Penn St                                       | t., Phila. 29, Pa(P                     | Day  |                    |
| ALLEN, Paul R., Jr   |   | 103 B  | 2-4875             |
| AMSTERDAM, Tony  | G (Page 32)                             | Day  |                    |
| ANDERSON, George   | Ave., Phila. 31, Pa.<br>M (Page 26)     | 42 L1  | 2-5726             |
| 39 W. Montgome<br>ARMSTRONG, John                                    | ery Ave., Rockville, Md.<br>K (Page 26) | 28 Le  |                    |
| 8117 Park Cres   | t Drive, Silver Spring, Md.             |  | 2 2010             |
| AVERNA, Vincent S.<br>505 Holly Rd., Y                               |   | 93 Ll  | 2-2818             |
|  | В                                       |  |                    |
| BAKER, David R   | (Page 45)                               | 213 B  |                    |
| 2126 East 63rd   | St., Long Beach 5, Calif.               |  | 0.0054             |
| BAKER, James E 5919 Locust St.,                                      |   | 223 F  | 9-0851             |
| BAKER, J. Winsor,  | Jr (Page 26)                            | 103 Le   |                    |
| Colonial Farms<br>BAKER, T. Nelson,                                  | III (Page 38)                           | 53 Ll  | 9-2254             |
| Virginia State C<br>BARLOW, A. Ralph                                 | ollege, Petersburg, Va. (Page 26)       | 73 Ll  |                    |
|  | ., McKeesport, Pa.                      | 308 B  |                    |
| 6 Lowell Ave., 1   | West Orange, N.J.                       |  |                    |
| BARNES, Sidney B.,<br>326 Dawson St.,                                |   | Day  |                    |
| BARR, Mason, Jr  |   | 6 FH   |                    |

| Name                                      | Home Address  | College<br>Address | Private<br>Phone |
|---|---|--------------------|------------------|
| BARRETT, John S                           |   | 83 L1              |                  |
| 510 Jefferson St., BECKER, Mark           | Pottsville, Pa. (Page 38)                             | 303 B              |                  |
| R.R.#1, Newtown, BELASH, David C          | (   | 24 Le              |                  |
| 3 West Cedar St.,<br>BENJAMIN, Robert S.  | , Boston 8, Mass.                                     | 316 B              |                  |
| 34 Cliff Rd., Well<br>BERLIN, Cheston M., | lesley Hills 82, Mass.                                | 94 L1              |                  |
| 105 Markham Dri                           | ive, Pittsburgh 28, Pa.                               |                    |                  |
| BERNSTEIN, John Everglades Hotel          | , Miami, Florida                                      | 302 B              |                  |
| BERTOLET, Frederic<br>500 Friedensburg    | ck C (Page 45)<br>Road, Reading, Pa.                  | 209 B              |                  |
| BERTOLET, William 500 Friedensburg        | C (Page 38)<br>Road, Reading, Pa.                     | 319 B              |                  |
| BING, Anthony G                           | (Page 32)   | 218 B              |                  |
| 92 College St., Hu<br>BINGHAM, William R  | ., Jr (Page 45)                                       | Day                |                  |
| 304 Conshohocker<br>Narberth P.O., P      | enn Valley, Pa.                                       |                    |                  |
| BIRCH, James A 1055 Colonial Dri          | (Page 38) ive, Youngstown, Ohio                       | 51 Ll              | 9-2254           |
| BISHOP, Samuel A. M<br>935 Maltby Rd., C  | IcK (Page 26)   | 311 F              | 9-1958           |
| BLACKBURN, Paul P                         |   | 214 B              | 1                |
| BLOCK, Blaine L                           | (Page 32)   | 21 Ll              |                  |
| BOMAR, Edward E                           |   | 313 B              |                  |
| BOYER, James L                            | Pikesville 8, Md (Page 38)                            | 307 B              |                  |
| 2 Sunnyside Rd.,<br>BRADLEY, Edward L     | Silver Spring, Md.<br>(Page 38)                       | Day                |                  |
|   | e., Havertown, Pa.                                    | 314 B              |                  |
| 7 Gracie Square,                          |   | 11 Ll              |                  |
| Windmolenweg 20                           | ), Boekelo(Or.) Netherlands                           | _                  | 0.0015           |
| 46 Rocklynn Pl.,                          | P (Page 26) Pittsburgh 28, Pa. Woodside Cottage,      | Day                | 2-8615           |
|   | Haverford, Pa.  | 12 Ll              | 2-1591           |
| 2nd Hill, New Mil<br>BROWN, W. Michael    | ford, Conn. (Page 45)                                 | 112 B              | 2-1001           |
| 466 W. Market St<br>BUCK, Alfred S        | ., York, Pa.  | 320 B              |                  |
| 2123 Albermerle<br>BUCY, James G          | Terrace, Brooklyn 26, N.Y. (Page 38)                  | Day                |                  |
| 5820 Stony Island<br>Local Address: 7     | Ave., Chicago 37, Ill.                                | ,                  |                  |
| BURELBACH, Freder                         | Haverford, Pa.<br>rick M., Jr (Page 26)               | 202 Le             |                  |
| 21 Hamilton Ave.<br>BURKS, Wanda J. (Sta  | , Cranford, N.J.<br>1) (Page 52)<br>, Flint, Michigan | Day                |                  |
| Local Address:                            | 760 College Ave., c/o                                 | Do                 |                  |
| 1   | Mrs. Sylvia Kift, Haverford,                          | ra.                |                  |

| Name  | Home Address                            | Address        | Phone   |
|---|---|----------------|---------|
| BURTON, Thomas M<br>1222 16th St., N.W.             | (Page 38), Washington 6, D.C.           | 305 B          |         |
|   | C                                       |                |         |
| CABLE, Peter G<br>Chestnut Hill Road                |   | 22 Ll          |         |
| CAMPBELL, Bruce D.                                  |   | 414 B          |         |
| CARRAGAN, William D<br>Tamarack Rd., Tro            | oy, N.Y. (Page 39)                      | 4 FH           |         |
| CHALLENER, Robert (<br>R.D.#2, Bridgeville          | e, Pa.                                  | 71 Ll          |         |
| CHANGTRAKUL, Pram<br>111 Prompongse R               |   | 325 F          |         |
| Bangkok, Thailand<br>CHAR, David                    |   | 409 B          |         |
| CHARLSON, Murray T.<br>2915 Knowlson Ave            | (Page 32)                               | 31 Ll          |         |
| CHODOROV, Stephan . 34 Lanark Rd., Sta              |   | 52 Ll          |         |
| CHRISTMAS, Lawrence                                 | B (Page 39)<br>N.W., Washington 15, D.C | 307 B          |         |
| CLARK, Jonathan J 549 Palisado Ave.,                | Windsor, Conn.                          | 304 B          |         |
| CLARK, Laurence H  Main St., Stockbrid              | ge, Mass.                               | 23 Ll          | 2-3712  |
| 9 Rutland Road, Sc                                  | arsdale, N.Y.                           | 41 Ll          |         |
| CLEMSON, Daniel M  Ferris Hill Road, I              | New Canaan, Conn.                       | 31 YH          | 2.0138  |
| CLURMAN, Rodney H.<br>123 Barrett Road,<br>New York | Lawrence, Long Island,                  | 215 B          | 2-9138  |
| COHEN, Richard L                                    | (Page 32)<br>ay, Brooklyn 30, N.Y.      | 25 Le          |         |
| COHILL, Donald F 1416 Sunnyhill Lan                 | (Page 26)                               | 64 Ll          | 9-2355  |
| COLBURN, Robert M.                                  |   | 110 B<br>.ss.  |         |
| COLES, Robert L                                     | Moorestown, N. J.                       | 409 B          |         |
| CONCORS, Alan J 25 East Drive, Max                  | rgate, N. J.                            | 309 B          |         |
| COORER James D                                      | ew York, N.Y.                           | 13 Ll          |         |
| 81 Park Place, Ha                                   | mpton, Virginia                         | 411 B          |         |
|   | Huntingdon Valley, Pa.                  | 14 Ll<br>84 Ll | 0 1507  |
| COPE, John G American Consular F.P.O., New York,    | te General, Navy 117,                   | 0.4 171        | _2-1537 |

College Private

| Name                            | Home Address  | College<br>Address | Private<br>Phone |
|---------------------------------|---|--------------------|------------------|
| CORONEOS, Clive                 | e R (Page 32)   | 22 WH              |                  |
| COULTHURST, Jo                  | au-Prince, Haiti, West Indies ohn (Page 46) Ave., Plainfield, N. J. | 313 B              |                  |
| COWEN, Arthur,                  | III (Page 33)<br>St., New York, N.Y.                                | 34 Ll              |                  |
| CRANE, Donald A                 | A (Page 33)<br>e., Chatham, N. J.                                   | 201 Le             |                  |
|                                 | n F (Page 39)<br>load, Pleasantville, N.Y.                          | 91 Ll              |                  |
| CRIST, Robert L.<br>1933 Massey | (Page 39) Circle, South West Virginia                               | 61 Ll              |                  |
| CURTIS, Richard                 | W (Page 46)<br>Ave., Cowesett,                                      | 410 B              |                  |
|                                 | D   |                    |                  |
|                                 | (Page 39)<br>Sunnyside 4, Long Island, N.Y.                         | 116 B              |                  |
| D'ARRIGO, Philip                | th St., Vineland, N.J.  | Day                |                  |
|                                 | ss: 742 College Ave., Haverford (Page 46)                           | , Pa.<br>411 B     |                  |
|                                 | on St., Appleton, Wisc.   | 411 D              |                  |
| DENSFORD, Robe                  | ert W (Page 33)<br>ill Rd., Washington 21, D.C.                     | 219 B              |                  |
| DENT, Benjamin                  | A (Page 33) ersity, New Orleans, La.                                | 217 B              |                  |
| DICK, John H                    | (Page 26) Ave., Haddon Heights, N.J.                                | 42 Ll              | 2-5726           |
| DIETRICH, Frank                 | K S (Page 46)<br>Grove Rd., Memphis, Tenn.                          | 205 B              |                  |
| DINGE, Richard                  | F (Page 26)<br>d Lancaster Roads, Rd 1,                             | Day                |                  |
| DOHERTY, Willia                 |   | 24 Ll              | 2-3712           |
| DONHAM, Michae                  | el B  | 81 Ll              |                  |
| DORSEY, David I                 | Chappaqua, N.Y.<br>F., Jr (Page 26)<br>son St., Phila. 31, Pa.      | 43 Ll              |                  |
|                                 | n A., III (Page 46)   | 222 F              |                  |
| DOUGLAS, Walte<br>3427 Oakwoo   | r B (Page 27)<br>d Terrace, N.W.,                                   | 31 SH              |                  |
|                                 | I (Page 39) on Ave., Pittsburgh 15, Pa.                             | 61 Ll              |                  |
| DUNGAN, Jon R.                  | (Page 27)   | 27 SH              |                  |
| DUTTENHOFER,                    |   | Day                |                  |

| <b>&gt;</b> 7  | Hama Address                     | College | Private<br>Phone |
|--|----------------------------------|---------|------------------|
| Name   | Home Address                     | Address | Filone           |
|  | E                                |         |                  |
| EIDENBERG, Peter J.,<br>2442 St. Denis Lan                     |                                  | Day     |                  |
| ELLIS, David W   | (Page 39)                        | 32 Ll   |                  |
| Taylor Highlands,<br>ELLISON, George H.                        | (Page 39)                        | 7 Le    |                  |
| Cutler Rd., Hamilt<br>ENGELHARDT, Hans V                       | V (Page 46)                      | 314 B   |                  |
| 375 College Hill, EYSTER, A. Daniel                            | (Page 39)                        | 2 Le    |                  |
| Seven Valleys, Pa.   |                                  |         |                  |
|  | F                                |         |                  |
| FAIRFIELD, Edward S<br>108 So. South Caro                      |                                  | 14 Ll   |                  |
| Atlantic City, N.J. FARRELL, Henry M.                          |                                  | 219 F   |                  |
| FEICK, M. Mather   | Rockville Centre, N.Y. (Page 39) | 220 F   |                  |
| FERGUSON, Lawrence   |                                  | 14 Ll   |                  |
| Fred Mason Road,<br>FETTUS, George H                           | (Page 27)                        | 103 Le  |                  |
| FISCHER, Allen C 523 W. Mt. Airy A                             |                                  | 410 B   |                  |
| FITE, George W   |                                  | 211 B   |                  |
| FOGEL, Michael R 11 Manhattan Ave.                             | (Page 39)                        | 53 Ll   | 9-2254           |
| FORBES, J. Dexter  | / 4-1                            | 322 F   |                  |
| FORMAN, Phillip M 76 So. Hampton Rd                            | (Page 33)                        | 23 Ll   | <del></del>      |
| FORMAN, Richard T.T<br>Lombardy Orchard                        | (Page 33)                        | 84 Ll   | 2-1537           |
| FOSTER, Roger S., Jr.<br>184 Gordon St., Pi                    | (Page 33)                        | 84 Ll   | 2-1537           |
| FOWLER, Michael L  |                                  | 222 F   |                  |
| FRANCIS, James B., J.<br>219 Broughton Lan                     | r (Page 33)                      | Day     |                  |
| FREEDMAN, Mark,B. 423 E. Allen's Lan                           | (Page 27)                        | 203 Le  |                  |
| FREEMAN, Harvey A.<br>24 South St., Middl                      | (Page 27)                        | 26 SH   |                  |
| FRIEDMAN, Burton .<br>2749 Levick St., P.                      | (Page 39)<br>hila. 49, Pa.       | Day     |                  |
| FRIEDMAN, Harold M.<br>24 S. Merion Ave.,                      | Bryn Mawr, Pa.                   | 71 Ll   |                  |
| FULLARD, William G.<br>554 Shepwood Park<br>Westfield, New Jer | kway,                            | 322 F   |                  |
| TODALCIA, ITOW OCI   | . DOJ                            |         |                  |

College Private

| Name  | Home Address                     | College<br>Address | Private<br>Phone |
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|   | G                                |                    |                  |
|   |                                  | 22 SH              |                  |
| 5930 N. 11th St.,<br>GALLAGER, Laurence                     | e R (Page 33)                    | 82 Ll              |                  |
| GALLANT, Jonathan   |                                  | 33 YH              |                  |
| GARVER, Thomas H.   |                                  | 21 SH              | 2-8789           |
| GEIST, Kenneth L  |                                  | 116 B              |                  |
| GELSER, Leigh M   |                                  | 4 Le               |                  |
| 245 Milton Rd., I<br>GETTY, Carl J                          | (Page 40)                        | Day                |                  |
| GIBSON, David J   | Ave., Narberth, Pa.<br>(Page 40) | 315 B              | 2-2430           |
|   | (Page 33)                        | 32 Ll              |                  |
| GIFFORD, George H.  |                                  | Day                |                  |
|   | (Page 46)                        | 213 B              |                  |
| GOLD, Allan   |                                  | 51 Ll              | 9-2254           |
| GOODMAN, Gerald S.  |                                  | 52 Ll              |                  |
| GOODMAN, Jay S  | e., New York, N.Y.<br>(Page 33)  | 31 Ll              |                  |
| GOULD, John H   |                                  | 203 Le             |                  |
| GOULD, Richard G.   |                                  | 114 B              |                  |
| Grasslands Valha<br>GRAMBS, David L.                        | (Page 46)                        | 222 F              |                  |
| GRAY, John H  |                                  | 32 Ll              |                  |
| 25 Lenox Ave., E<br>GREEN, Alexander A<br>274 Wilson St., C | (Page 46)                        | 119 B              |                  |
| GREEN, Joseph E., II<br>274 Wilson St., C                   | II (Page 27)                     | 203 Le             |                  |
| GREEN, Willard, P.  | (Page 47)                        | 412 B              |                  |
| 4547 River Road<br>GREENBERG, Marsh<br>4755 N. Avers A      | all G (Page 27)                  | 202 Le             |                  |
|   | (Page 27)                        | 201 Le             |                  |
| GREENLEAF, Newco  |                                  | 318 B              |                  |
| GREER, Robert B., I<br>R.D. #1, Renfrew                     | II (Page 27)                     | 83 Ll              |                  |
| GRESIMER, John D.,  | II Page 47) D., Emporium, Pa.    | 322 F              |                  |
|   | ,,,                              |                    |                  |

|   | College | Private |
|---|---------|---------|
| Name Home Address   | Address | Phone   |
| GRIFFITH, Lawrence S (Page 47)  | 413 B   |         |
| 1941 Parkside Drive, Washington 12, D.C. GROFF, Diller B (Page 34) 3726 Harrison St., N.W., Washington 15, D.C. | 82 Ll   |         |
| GROSSBLATT, Norman (Page 27)  | 22 Le   |         |
| 57 Whiteoak Drive, South Orange, N.J. GRUBER, John B (Page 34) 308 Hockersville Road, Box 87,                   | 109 B   |         |
| Hershey, Pa.  GUNSTER, Gerald D (Page 40)  9 Lee Park Ave., Wilkes-Barre, Pa.                                   | 91 Ll   |         |
| н   |         |         |
| HABERLAND, Paul M (Page 34)<br>2386 N. Terrace Ave., Milwaukee, Wis.  | 32 YH   |         |
| HALL, R. Tucker   | Day     |         |
| 4425 West 6th St., Topeka, Kansas Local Address: Haverford Gables, Apt. E6 Haverford, Pa.                       |         |         |
| HALL, Winfield S (Page 27)  | 74 Ll   | 2-3645  |
| 3136 Wisconsin Ave., Berwyn, Ill. HALSTEAD, Lauro de B.S (Page 34) 233 Fisher Ave., White Plains, N.Y.          | 102 Le  |         |
| HAMESTER, Hans L (Page 34)  | Day     |         |
| 34 E. Benedict Ave., Havertown, Pa. HARDY, Roger B (Page 40) 18461 Puritan Ave., Detroit 23, Mich.              | 220 B   |         |
| HARGADON, Frederick A   | Day     |         |
| HARKINS, John J (Page 40)   | 62 Ll   |         |
| 945 Herbert St., Phila. 24, Pa.  HARRIS, Daniel E (Page 28)  Box 33, Harford, Pa.                               | 204 Le  |         |
| HARRISON, Eric (Page 40)<br>1126 Greentree Rd., Pittsburgh 20, Pa.  | 92 Ll   |         |
| HART, Benson H (Page 34) 29B Aurora Rd., Hudson, Ohio   | 102 Le  |         |
| HARVEY, Thomas B (Page 34)<br>King of Prussia Rd., Radnor, Pa.  | 31 Ll   |         |
| HARVEY, William B (Page 40)   | 91 Ll   |         |
| 532 Avonwood Rd., Haverford, Pa. HAVILAND, Paul R., Jr (Page 34) 423 Berkley Rd., Haverford, Pa.                | 33 Ll   |         |
| HAWKINS, John R (Page 28)   | 225 F   | 9-0851  |
| 118 Common St., Walpole, Mass HECHT, Jeffrey K (Page 47)  | 311 B   |         |
| 4 Collamore Terrace, West Orange, N.J.<br>HECHT, Warren B (Page 34)<br>60 Pershing Ave., Elizabeth, N.J.        | 22 Ll   |         |
| HEEG, Michael M (Page 34)   | 84 Ll   | 2-1537  |
| 68-10 108th St., Forest Hills 75, N.Y.<br>HEIMAN, Elliott M (Page 47)<br>6217 Carpenter St., Phila. 43, Pa.     | 212 B   |         |
| HELMSTADTER, Thomas H (Page 34)<br>2145 Duquesne Ave., McKeesport, Pa.  | 41 Ll   |         |

| Name                               | Home Address   | College<br>Address | Private<br>Phone |
|------------------------------------|--|--------------------|------------------|
| HENDERSON, Rolla                   | and H  | 102 Le             |                  |
|                                    | (Page 28) orth, Arlington 5, Va.   | 201 Le             |                  |
| HILL, Horatio S                    | (Page 40)<br>t., New York, 30, N.Y.  | 53 Ll              | 9-2254           |
| HILL, Richard M.                   | (Page 40)  | 12 Ll              | 2-1591           |
| HIRSS, Andris M.                   | Sudbury, Mass (Page 28)  | 202 Le             |                  |
| HITZROT, Henry W                   | t., Woonsocket, R.I.  7 (Page 28)  d., Westport, Conn.   | 225 F              | 9-0851           |
| HOAG, Joseph H.S.                  | Rd., Penn Wynne,   | 10 Le              |                  |
| Philadelphia 31                    | ., Pa.   | 59 T I             |                  |
| Maple Glen, Pa                     | and the second s | 52 Ll              |                  |
|                                    | L., Jr (Page 47) n Ave., Brielle, N.J.   | 117 B              |                  |
| HOLMES, James D.<br>2843 Allendale | Pl.,N.W.,Washington 8, D.C.  | 305 B              |                  |
| HOOK, Richard A.                   | ve., Audubon, N.J.   | 112 B              |                  |
| HOOVER, Henry B.                   | , Jr ()age 34)<br>South Lincoln, Mass.   | 42 Ll              | 2-5726           |
| HOPKINS, P. Donal                  | d (Page 34) Ave. Wenonah, N.J.   | 94 Ll              |                  |
| HOPPER, Robert J.                  | (Page 40)  | 319F               |                  |
| HOPPIN, Nicholas                   | Park, Arlington 74, Mass (Page 40) New York 21, N.Y.   | 9 Le               |                  |
| HORN, Richard F.                   | New 101k 21, N.1 (Page 47) Ave., Phila. 31, Pa.  | Day                |                  |
| HORNBAKER, John                    | H., Jr (Page 47)<br>Ave., Hagerstown, Md.  | 120 B              |                  |
|                                    | (Page 28)  | 315 F              |                  |
| HORNUM, Finn (S'                   | rA) (Page 52)<br>ej 19 <sup>4</sup> , Copenhagen   | Day                |                  |
| F. Denmark                         | : County Line Rd.  |                    |                  |
|                                    | Haverford, Pa.   |                    |                  |
| HORWITZ, Henry<br>410 N. McKean    | St., Butler, Pa.   | 106 B              |                  |
|                                    | B (Page 47)  | 105 B              |                  |
| HUDSON, Floyd E.                   | (Page 34)  Ave., Rehoboth Beach, Del.  | 31 Ll              |                  |
| HUMPHREYS, Mary                    | vin W (Page 41)<br>N.W., Washington 16, D.C.   | 208 B              | 9-1706           |
| HUNT, Peter T                      | New York, 11, N.Y.   | 206 B              |                  |
| HUNT, Robert W                     | New York, 11, N.Y (Page 34) Ave., Chicago 15, Ill.   | 55 L1              |                  |
| Albumia Fore                       | nive., emeago 10, m.   |                    |                  |

| Nome   | Home Address   | College<br>Address | Private<br>Phone |
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| Name   | Home Address   | riddress           | 1 Hone           |
| HUNTER, Allan A., Jr.<br>1937 Myra Ave., Lo  | (Page 35) os Angeles 27, Calif.                              | 74 Ll              | 2-3645           |
| HURCHALLA, George .<br>Yost Road, R.D. #3,   | (Page 41)  | 30 Le              |                  |
| HUTT, David M                                |  | 411 B              |                  |
|  |  |                    |                  |
|  | I  |                    |                  |
| INNES, Bruce Jeremy .<br>1345 Crofton Road,  | Page 28) Baltimore 12, Md.                                   | 104 Le             |                  |
| IRIYE, Akira                                 |  | 102 Le             |                  |
| 332,3-chrome, Nar<br>Tokyo, Japan            | imune, Suginami-ku,  |                    |                  |
| IRVINE, Robert A                             | (Page 28)<br>ad, Bryn Mawr, Pa.                              | 104 Le             |                  |
| ISAY, Richard A                              | (Page 28)  | 83 L1              |                  |
| ISHIYAMA, Yutaka (ST                         | Ave., Pittsburgh 17, Pa. A) (Page 52)                        | 34 YH              |                  |
| 3-31 Tomioka Otar                            | u Hokkaido, Japan  |                    |                  |
|  | J  |                    |                  |
| JACKSON, Donald R 205 West 42nd St.,         |  | 211 B              |                  |
| JOHNSON, Alan E                              | (Page 47)  | 118 B              |                  |
| JOHNSON, Myles A                             | ad, Schenectady 9, N.Y (Page 41)                             | 306 B              |                  |
| JOHNSON, Otis S                              |  | 29 Le              |                  |
| 39 Kirkland St., Ca<br>JOHNSON, Richard M.   |  | 202 Le             |                  |
| 714 2nd St. So (P.O                          | . Box 188)Kirkland, Wash.                                    |                    |                  |
| JOHNSON, Stanley B., I<br>24 Ravine Rd., Wel | lesley Hills, Mass.  | 42 L               | 2-5726           |
| JOHNSTON, Jamie H<br>2212 N. Gower St        | Hollywood 28, Calif.   | 13 Le              |                  |
| JORDAN, John S., Jr                          |  | Day                |                  |
| Local Address: Co                            | E., Washington 11, D.C. bunty Line & Buck Lane averford, Pa. |                    |                  |
| JOSLYN, Allen S 326 N. Grove St., I          | (Page 41)  | 208 B              | 9-1706           |
| JOYCE, Thomas J., Jr.<br>557 E. Gates St., P |  | Day                |                  |
| JUDOVICH, Joel I 2006 Delancey Place         | (Page 28)  | Day                |                  |
|  | К  |                    |                  |
| KABACK, Howard R                             | (Page 41)  | 91 Ll              |                  |
| 1401 Germantown A                            | Ave., Phila., Pa.  |                    |                  |
| KABACK, Michael M<br>8401 Germantown A       | Ave., Phila., Pa.  | 114 B              |                  |

| Name                    | Home Address   | College<br>Address | Private<br>Phone |
|-------------------------|--|--------------------|------------------|
|                         | H (Page 47)  | 412 B              |                  |
| KALEN, Norm<br>Apartado | t Road, Louisville 6, Kentucky<br>nan L (Page 28)<br>1561 Caracas, Venezuela | Day                |                  |
| Local Add               | dress: Thomas Wynne Apts,<br>Apt. A504, N. Wynnewood<br>Wynnewood, Pa.       | Ave.               |                  |
|                         | James A (Page 48)<br>er Ave., Newark, N.J.                                   | 108 B              |                  |
| KEELEY, Geo             | orge P (Page 28) ise Rd., Phila. 38, Pa.                                     | 63 Ll              | 9-2355           |
|                         | ard M (Page 41)  | 54 L1              |                  |
| KEMMERER,               | John L e Park, Palmerton, Pa.  | 221 F              | 9-0851           |
| KERR, Dovala            | as S (Page 41) a University, Beirut, Lebanon                                 | 62 Ll              |                  |
| KILPATRICK,             | Robert W (Page 35)<br>20th St., Gainesville, Fla.                            | 109 B              |                  |
| KITTNER, Ph             | ilip J (Page 48) 7th St., Phila. 41, Pa.                                     | 36 SH              |                  |
| KIRBY, Edwin            | 11., Jr (Page 35)<br>2nd St., Baltimore 18, Md.                              | 32 YH              |                  |
| KLINMAN, Je             | rry (Page 28) ert Road, Merion, Pa.  | Day                |                  |
| KLINMAN, No             | orman R (Page 41)<br>ert Road, Merion, Pa.                                   | Day                |                  |
| KNIGHT, Chai            | rles A (Page 41)   | 318 B              |                  |
| KNOWLTON,               | Stephen B., Jr (Page 29)   | Day                |                  |
| KRAUSE, Rob             | on Avenue, Sharon Hill, Pa.<br>ert L (Page 41)<br>rly Rd., Phila. 31, Pa.    | 308 B              |                  |
| KRAVIS, Gary            | vay Lane, Merion, Pa.  | Day                |                  |
| KRIEL, Rober            | et L (Page 48)<br>, Dunstans Rd., Baltimore 12, Mo                           | 108 B              |                  |
| KUHN, Christo           | opher B (Page 48)<br>th Summit, Iowa City, Iowa                              | 106 B              |                  |
| KUMMER, Th              | deodore G (Page 29) ale Road, Carversville, Pa.                              | 92 Ll              |                  |
| KUNZ, Carl N            | W., Jr (Page 41) kwell Ave., Phila. 11, Pa.                                  | 317 B              | 2-2430           |
| KURKJIAN, E             | e St., Phila. 3, Pa.   | Day                |                  |
| KURZMAN, H              | farold P., Jr (Page 41)<br>Ave., New York 28, N.Y.                           | 56 Ll              |                  |
|                         | L  |                    |                  |
| 5420 Coni               | necticut Ave., N.W., on 15, D.C.   | 203 B              |                  |
| LADENBURG               | Thomas J (Page 29) and Ave., Yonkers, N.Y.                                   | 101 Le             |                  |

| Name Home Address  | College<br>Address | Private<br>Phone |
|--|--------------------|------------------|
|  | 73 Ll              |                  |
| LANE, Charles B (Page 29)<br>120 Kingwood Park, Poughkeepsie, N.Y.   |                    |                  |
| LEDERER, Richard H (Page 48) 6201 Ellsworth St., Phila. 43, Pa.  | 212 B              |                  |
| LEE, James O (Page 48)<br>252 E. Durard Rd., Phila. 19, Pa.  | 25 SH              |                  |
| LEEDS, Robert W., Jr   | Day                |                  |
| 46 Righters Mill Rd., Narberth, Pa. LEESER, Harry M (Page 48 339 Lemante St., Phila. 28, Pa.                       | Day                |                  |
| LEGER, Francois Treville   | 217 F              |                  |
| P.O. Box 385, Pensacola, Fla. LELLEP, Nancy H. (STA) (Page 52) 6 North St., Old Greenwich, Conn.                   | Day                |                  |
| Local Address: 760 College Ave. c/o Sylvia Kife, Haverford, Pa LENFEST, David S (Page 41)                          | ı.<br>3 Le         |                  |
| Waldoboro, Me. LEVIN, Joel M (Page 35)   | 218 B              |                  |
| 301 W. Tabor Rd., Phila. 20, Pa.<br>LIECHTY, Gordon A (Page 48)  | Day                |                  |
| 130 Kenilworth Rd., Merion, Pa.  |                    |                  |
| LIGUORI, Victor A (Page 48) 1516 Sheffield Lane, Phila. 31, Pa.  | Day                |                  |
| LINDEMAN, Robert J (Page 35)<br>227 E. Third St., Waynesboro, Pa.  | 5 Le               |                  |
| LINDEMAN, William H (Page 48)<br>227 E. Third St., Waynesboro, Pa.   | 7 FH               |                  |
| LONG, Anthony B (Page 48) 5200/Wesley Ave., Baltimore 7, Md.   | 118 B              |                  |
| LONG, William H., III (Page 35) 5200 Wesley Ave., Baltimore 7, Md.   | Day                |                  |
| Local Address: 785 College Ave., Haverford LOWENTHAL, Joel R (Page 48)   | 108 B              |                  |
| 1300 Knox Rd., Wynnewood, Pa. LUTHERER, Lorenz O (Page 41) R.F.D. #4, Chagrin Falls, Ohio                          | 56 Ll              |                  |
| LYMAN, Frank T., Jr (Page 48)<br>7104 Exeter Rd., Bethesda 14, Md.   | 31 YH              |                  |
| M  |                    |                  |
| MACK, Charles S (Page 35)<br>246 West Upsal St., Phila. 19, Pa.  | 101 B              |                  |
| MACK, Newell B (Page 29) 1115 Oak Way, Madison 5, Wis.   | 11 Ll              |                  |
| MACKOWN, Craig (Page 29)<br>40 Robin Rd., West Hartford 7, Conn.   | 82 L1              |                  |
| MACON, Edwin J (Page 42)<br>Timberlake Dr., Rt. 3, Knoxville, Tenn.  | 107 B              |                  |
| MACTYE, David C. (SPEC) (Page 29) 5040 Lakeview Dr., Miami Beach 40, Fla. Local Address: c/o H.S.Shaw, County Line | Day                |                  |
| Haverford, Pa.   |                    |                  |
| MADDOCK, Thomas (Page 42) 1070 River Rd., Trenton 8, N.J.  | 22 YH              |                  |
| MALKO, George (Page 29) 532 Aldine Ave., Chicago 13, Ill.  | 222 B              |                  |
| MAMANA, Joseph M (Page 48) R.D. 2, Easton, Pa.   | 36 SH              |                  |
| R.D. 2, Easton, Pa. 11   |                    |                  |

| Name                                  | Home Address   | College<br>Address | Private<br>Phone |
|---------------------------------------|--|--------------------|------------------|
|                                       | (Page 29) nk, Beverly, N.J.  | 73 L1              |                  |
| MARBLE, Wm. Jam                       |  | Day                |                  |
| Local Address:<br>MARQUARDT, John     | 5 W. Athens, Ardmore, Pa<br>F (Page 29)<br>nd Ave., Chicago 37, Ill. | 104 Le             |                  |
| MARSDEN, George                       | M (Page 48)  | 105 B              |                  |
| MARTENIS, Thomas<br>R. F.D. #4, Elkto | s W (Page 29)  | 64 Ll              | 9-2355           |
| MATLACK, Louis F                      | R (Page 35)<br>ve., Moorestown, N.J.                                 | 21 Ll              | 9-0348           |
| MATTHEWS, Rober                       | t M (Page 48)<br>St., Decatur, Georgia                               | 311 B              |                  |
| MAUD, Laurence C.                     | (Page 49)<br>St., Phila. 11, Pa.                                     | 118 B              |                  |
| MAZUREK, Stanley                      | L (Page 29) ont St., Phila. 34, Pa.                                  | 43 Ll              |                  |
| McDOWELL, Robin                       | S (Page 29) errace, Stratford, Conn.                                 | 203 Le             |                  |
| Mc LEAN, Arthur M                     | I (Page 29)<br>e., Dobbs Ferry, N.Y.                                 | 107 B              |                  |
| Mc LEOD, Hugh W.<br>21 School St., H  |  | 310 B              |                  |
|                                       | 389, Rio de Janeiro,   | 31 WH              | 2-1780           |
| Brazil; Box 700<br>MEAD, Donald C.    | (Page 30)  | 72 Ll              | 2-3645           |
| MEADE, Price C                        |  | 7 FH               |                  |
|                                       | W (Page 35) ey Rd., Dedham, Mass.                                    | Day                |                  |
|                                       | c/o Holland Hunter, Wood<br>Cottage, Haverford, Pa.                  | dside              |                  |
| MEDSGER, Thomas                       | A., Jr (Page 42)<br>ane, Edgeworth, Sewickley,                       | 23 Ll              | 2-8615           |
| MELONEY, James                        | Pe, East Lansing, Michigan   | 301 B              | 2-3712           |
| MERZ, Frederick H                     | H (Page 49) Bala-Cynwyd, Pa.   | Day                |                  |
| MEYER, Jean Char                      | les (Page 42)<br>s, Conches, Geneva, Switzer                         | 8 FH               |                  |
| MEZGER, Erik B.<br>Oak Hill Farm,     | (Page 35)<br>Henderson Rd.,  | 22 SH              |                  |
| Bridgeport RD#                        | P (Page 49)  | 32 SH              |                  |
| MIKHAIL, John H.                      |  | a<br>204 Le        |                  |
|                                       | (Page 35)  | 101 Le             |                  |
| MILLER, Andrew L                      | Ave., Jacksonville, Fla. (Page 49) Pl.,N.W., Washington 8, D.        | 210 B              |                  |

| Name                                | Home Address                                   | College<br>Address | Private<br>Phone |
|-------------------------------------|--|--------------------|------------------|
| MILLER, John D                      | (Page 49)<br>t St., Doylestown, Pa.            | 28 SH              |                  |
| MILLER, J. Philip                   |  | 210 B              |                  |
| MILLER, Louis H.                    | (= 00)   | 24 Ll              | 2-3712           |
| MINNICH, Edward<br>44 Conway St.,   | L., Jr (Page 30)                               | 316 F              |                  |
| MOHR, Jay P                         |  | 93 Ll              | 2-2818           |
| MOMSEN, William<br>Cross River, 1   | L  | 201 Le             |                  |
| MONKEMEYER, H.                      | Shenton (Page 42)<br>Parkway, Jamaica 32, N.Y. | 6 Le               |                  |
| MONROE, Richard                     | C (Page 30)<br>d Rd., Baltimore 10, Md.        | 73 Ll              |                  |
| MONTGOMERY J.                       | Langford (Page 42)  ve., Pitman, N.J.          | 44 Ll              | 2-3933           |
| MOODY, James P.                     | , Jr (Page 35)<br>Sleepy Hollow Rd.,           | 55 Ll              |                  |
| Briarcliff Man<br>MORRIS, James H.  | or, N.Y.                                       | 414 B              |                  |
|                                     | nt Blvd., Cleveland 6, Ohio                    | 34 Ll              |                  |
| 8 Prospect St.<br>MOSS, William W., | , Winchester, Mass.                            | 104 B              |                  |
|                                     | , Williamsburg, Va.                            | 110 B              |                  |
|                                     | ae Ave., Rochester 18, N.Y.                    | Day                |                  |
|                                     | Lane, Overbrook Hills, 31, Pa.                 | 26 Le              |                  |
| Cedarcliff, RD                      | #1, Camp Hill, Pa. (Page 42)                   | 22 YH              |                  |
| Parsons Hill,                       |  |                    |                  |
|                                     | N  |                    |                  |
|                                     | V (Page 36)<br>ve., Havertown, Pa.             | Day                | 4000             |
| 1245 Josephine                      | am L (Page 36)<br>e St., Denver 6, Colorado    | 33 L1              |                  |
| NICKEL, Paul E<br>G-5133 Fenton     | Rd., Flint, Mich.                              | 8 Le               |                  |
|                                     | Ave., Milwaukee 17, Wis.                       | 207 B              | 9-1706           |
|                                     | ve. S., Minneapolis 19, Minn.                  | 28 SH              | 0.0000           |
|                                     | ve., Rochester 20, N.Y.                        | 44 Ll              | 2-3933           |
| NOYES, Robert W.<br>23 Fernwood F   | Pl., Mountain Lakes, N.J.                      | 81 Ll              |                  |

| Name   | Home Address                           | College<br>Address | Private<br>Phone |
|--|--|--------------------|------------------|
|  | 0                                      |                    |                  |
| OGDEN, Hugh S<br>1937 South Sho<br>ORTMAN, H. Willia | re Drive, Erie, Pa.                    | 214 B<br>63 Ll     | 9-2355           |
| 6644 Boyer St.                                       | , Phila. 19, Pa.                       |                    |                  |
|  | P                                      |                    |                  |
|  | (Page 36)<br>St., Chestnut Hill, Mass. | 27 Le              |                  |
| PANKEN, Peter M.                                     |  | 216 B              |                  |
| PARKER, Daniel E                                     | (Page 42)                              | 316 B              |                  |
|  | B (Page 49)                            | 311 B              |                  |
| PATT, Robert F                                       |  | Day                |                  |
|  | er Ave., Elkins Park, Pa               |                    |                  |
|  | 5 College Circle,<br>Haverford, Pa.    |                    |                  |
| PAUL, David T 540 E. Gravers Philadelphia 18         | s Lane, Chestnut Hill                  | Day                |                  |
| PEARSON, Bruce I                                     |  | Day                |                  |
| PECK, Newton T.,                                     |  | 213 B              |                  |
| PEDRICK, Perkins                                     | C (Page 42)                            | 32 Ll              |                  |
| PENNELL, Frankli                                     |  | 21 YH              |                  |
| PFALTZ, John L.                                      |  | 72 Ll              | 2-3645           |
| PHILLIPS, Harvey                                     | E (Page 42)  Rd., New Rochelle, N.Y.   | 318 F              |                  |
| PHILLIPS, Henry A                                    |  | 9 FH               |                  |
| PHILLIPS, Michael<br>Ottsville' Pa.                  |  | 25 SH              |                  |
| PINE, Edward H                                       | (Page 36)<br>en Place, Fair Lawn, N.J. | 216 B              |                  |
| PLASS, Neil W  | (Page 36)                              | 21 Ll              |                  |
| PLATT, Hermann l                                     |  | 62 Ll              |                  |
| Lurgan Road, I<br>PORTER, Robert R                   | R., Jr (Page 50)                       | 413 B              |                  |
| POTTS, Charles A.                                    |  | 32 SH              |                  |
| Woodcrest, Rif<br>PRATT, Robert G.<br>144 Ardmore    |  | 93 Ll              | 2-2818           |
| PRICE, Hollis F                                      | e., Memphis, Tenn.                     | 55 Ll              |                  |

|  | College       | Private |
|--|---------------|---------|
| Name Home Addres   |               |         |
| PRICE, Leighton A (Page ''Fairmeadows'' Box 211, R.D. #3                                       |               |         |
| Esmond Branch, Providence 17, R. PRICE, Robert B., Jr (Page 5118 Kanawha Ave., Charleston, W.  | ge 36) 102 B  |         |
|  | ge 50) 119 B  |         |
| R  |               |         |
| RALPH, Boyd G (Pag<br>Gastonville, Pa.   | ge 43) 92 Ll  |         |
|  | ge 43) Day    |         |
|  | ge 43) 43 Ll  |         |
| REGAN, Theodore M., Jr (Pag<br>7001 Andrews Ave., Phila. 35, Pa.                               | ge 30) 64 Ll  | 9-2355  |
| REHMEYER, Richard C (Page 647 N. Hawthorne St., York, Pa.                                      |               |         |
| REILL, James H (Page 543 Country Club Lane, Havertown,   | Pa.           |         |
| RENKEN, Fritz G  | Day           |         |
| Local Address: 7 College Lane, Hav<br>RENNER, Peter M (Pa<br>35 Freemont Drive, Tuscaloosa, Al | ge 30) 44 Ll  | 2-3933  |
| RHOADS, John B   | 74 Ll         | 2-3645  |
| RICHARDSON, H. Burtt, Jr (Pa<br>131 Pennington Ave., Passaic, N.J.                             |               |         |
| RICE, Emery V.D (Page Rockbottom Lodge, Meredith, New Hampshire                                | ge 50) 310 B  |         |
| RIEGL, Jan Anthony (Page 6048 Jackson St., Pittsburgh 6, Pa.                                   | ge 43) 5-B FH |         |
| RIGNALL, Raymond H., Jr (Page 99 Clinton Ave., Kingston N.Y.                                   | ge 50) 310 B  |         |
| RIVERS, David B (Pa<br>49 South Franklin St., Wilkes Barre                                     | e, Pa.        |         |
| ROBINSON, Theodore A (Pa<br>209 Fairlamb Rd., Havertown, Pa.                                   |               |         |
| P.O. Box 31, Stockbridge, Mass.  |               |         |
| RODEWALD, Paul, G., Jr (Pa<br>508 Edgerton Pl., Pittsburgh 8, Pa                               |               |         |
| ROLOFF, Michael W (Pa<br>153 Columbia Hts., Brooklyn, N.Y.                                     |               |         |
| ROSENBAUM, David H (Pa<br>3240 School House Lane, Phila. 44,<br>RUPPENTHAL, C. Robert (Pa      | Pa.           |         |
| 405 Glenway Road, Phila. 18, Pa.   | se 30) 204 Le |         |

| Name             | Home Address                                     | Address    | Phone  |
|------------------|--|------------|--------|
|                  | S  |            |        |
|                  | ., Jr (Page 36)                                  | 82 L1      |        |
| SARNOFF, Stephe  | e, Long Beach, Calif.<br>en B (Page 43)          | 51 Ll      | 9-2254 |
| SAYLES, William  | ve., N.W., Washington, D.C.<br>A (Page 43)       | Day        |        |
| SCARBOROUGH,     | Drive, Wayne, Pa. Donald A (Page 50)             | 117 B      |        |
| SCHEAR, Richard  | ham St., Phila. 19, Pa.                          | 309 B      |        |
| SCHOLL, Donald   | nthaler Ave., Dayton 6, Ohio B (Page 50)         | 24 SH      |        |
| SCHOONOVER, E    | , New Canaan, Conn.  Eric T (Page 43)            | 317 B      | 2-2130 |
| Methodist Un     | ol of Theology, Southern<br>iv., Dallas, Texas   | 10.71      | 0.4504 |
|                  | West Avenue, Swarthmore, Pa.                     | 12 Ll      | 2-1591 |
| SCHRAMM, Richa   | ard R (Page 43)<br>, West Chester, Pa.           | 12 Ll      | 2-1591 |
| SCHUMPERT, Os    | borne L (Page 43 vd., Terre Haute, Indiana       | 312 B      |        |
| SCHWENTKER, F    | Frederic N (Page 30)                             | 103 Le     |        |
| SCOTT, Alexande  | re Rd., Baltimore 12, Md.<br>r F., Jr (Page 30)  | Day        |        |
| SEAVER, David E  |  | Day        |        |
|                  | St., San Francisco 17, Calif.                    |            |        |
|                  | Ardmore, Pa (Page 50)                            | 23 WH      |        |
| SEELEY, Robert   | oad, Ellenville, N.Y. A (Page 30)                | Day        |        |
|                  | Ave., Hammonton, N.J.<br>ss: c/o Wallace Kelly   |            |        |
|                  | 27 S. Wyoming Ave.,<br>Ardmore, Pa.              |            |        |
| SEGAL, Don M     |  | 1 Le       |        |
| SEMANS, H. Starl | k (Page 30)<br>e Ave., Penn Valley,              | 313 F      |        |
| Narberth, Pa     | **   | 0.4 17 170 |        |
|                  | r B (Page 50)<br>Rd., Ithaca, N.Y.               | 317 F      |        |
|                  | t H (Page 50)<br>at Road, Brooklyn 10, N.Y.      | 71 Ll      |        |
| SHAW, Herbert W  | 7 (Page 30)                                      | 92 L1      |        |
| SHELDON, Timot   | St., Richmond Hill 19, L.I., N.Y. hy M (Page 50) | 105 B      |        |
| SHERK, Larry W.  | ckbridge, Mass (Page 51)                         | 34 SH      |        |
| SHULTZ, Robert   | Williamsburg, Mass. L (Page 43)                  | 93 Ll      | 2-2818 |
| No. 6 Crab A     | pple Lane, Rockford, Ill.                        |            |        |

College Private

| Nome                               | Homo Address  | College<br>Address | Private<br>Phone |
|------------------------------------|---|--------------------|------------------|
| Name                               | Home Address  | Address            | Thone            |
| SHUSTER, James I                   | 3   | 5-A FH             |                  |
| SIEVERTS, Steven                   |   | 215 B              | 2-9138           |
| 200 Main St., I<br>SMITH, Earl J   |   | 207 B              | 9-1706           |
| SMITH, John K                      |   | 122 B              |                  |
| SMITH, Michael E.<br>246 Western A | ve., Gloucester, Mass. : 44 S. Wyoming Ave. Ardmore, Pa.                  | Day                |                  |
| SMITH, Richard B.                  |   | 216 F              |                  |
| SORG, W. Roger (<br>40 South Munn  |   | Day                |                  |
| SOTOMAYOR, Guy<br>2 South Drive,   | G (Page 31)   | 35 WH              |                  |
| SPANGLER, Georg                    | e M (Page 51)<br>ay East, New Oxford, Pa.                                 | 56 L1              |                  |
| SQUIRES, E. Chady                  | wick (Page 44)<br>d Rd. Gladwyne, Pa.                                     | 62 Ll              |                  |
| STEELE, Thomas                     | H (Page 44)   | 115 B              |                  |
| STEERE, Geoffrey                   | H (Page 31)   | 201 B              |                  |
| STEIN, Adam                        | Princeton, N.J.   | 106 B              |                  |
| STEPHENS, John M                   |   | 43 Ll              |                  |
| STEVENS, Edward                    | J., 3rd (Page 36)<br>n Pike, Phila. 16, Pa.                               | 34 Ll              |                  |
| STEWARD, Palmer                    | k Road, Vista, Calif.   | 205 B              |                  |
| STINE, William D.                  | (Page 36) Allentown, Pa.  | 321 F              |                  |
| STOCKEBRAND, W                     |   | 23 WH              |                  |
| STONE, Donald A.,                  | Jr (Page 51)<br>le Ave., Saranac Lake, N.Y.                               | 6 FH               |                  |
| STONE, John W                      | d, Charleston, W. Va.   | 34 Ll              |                  |
| STOVER, Donald O                   | Charleston, w. va.<br>Charleston, w. va.<br>Chores Drive, St. Petersburg, | 21 Le              |                  |
| SWIFT, Daniel W.                   | cut St. Sharon, Mass.   | 23 Le              |                  |
| SWINTON, Neil W.                   | , Jr (Page 31)<br>l. Wahan 68, Mass.                                      | 104 Le             |                  |

| Name                                       | Home Address               | College<br>Address | <b>P</b> rivate<br>Phone |
|--|----------------------------|--------------------|--------------------------|
|  | Т                          |                    |                          |
| TANNENBAUM, Kenne                          | th A (Page 44)             | 22 Ll              |                          |
| 1917 Burbank Driv<br>TAYLOR, William G.    |                            | 323 F              |                          |
| Box 875, Tryon, N<br>TEEM, Martin V        | orth Carolina              | 103 Le             |                          |
| 601 Whitlock Ave., THOMAS, Charles H.      | Marietta, Ga.              | 23 Ll              |                          |
| 3936 Grant Ave., I<br>THOMAS, Henry M., II | Phila. 14, Pa.             | 81 Ll              |                          |
|  | Baltimore 10, Md.          | 63 Ll              | 9-2355                   |
| R.D.#1, Ringoes, N<br>THORNE, Charles G.   | V. J.                      | 210 B              |                          |
|  | St., Coatesville, Pa.      | 115 B              |                          |
|  | Ave., Kirksville, Mo.      | 9 FH               |                          |
| 413 Pembroke Rd.                           | , Bala Cynwyd, Pa.         | 306 B              |                          |
|  | e, N.W., Washington 8,     | D.C.               |                          |
|  | San Francisco, Calif.      | 101 Le             |                          |
| TORG, Joseph S 1324 Medary Ave.            | Phila. 41, Pa.             | 94 Ll              |                          |
| TRAUT, Robert R 747 Santa Clara, C         | Claremont, Calif.          | 204 Le             |                          |
| TRENBATH, Robert W<br>Saybrook Point, Co   | onn.                       | 323 F              |                          |
| TUBIS, Stuart H 3508 Westfield Ave         | e., Camden 5, N.J.         | 113 B              |                          |
| TYSON, William B 22 Rope Ferry Rd.         |                            | 33 WH              |                          |
|  | U                          |                    |                          |
| UNGER, Thomas<br>234 State St., Pert       | (Page 37)<br>h Amboy, N.J. | 204 B              |                          |
|  | v                          |                    |                          |
| VanARKEL, Thomas                           | , ,                        | Day                |                          |
| VanDUSEN, Derek B                          |                            | 315 B              | 2-2430                   |
| VASTINE, John R                            |                            | 24 SH              |                          |
| 901 N. Orange St.,<br>VERSACI, Frank Jr.   | (Page 37)                  | 54 Ll              |                          |
| 6437 N. Park Ave.<br>VINEY, James L        | (Page 31)                  | 32 WH              |                          |
| 1st Log. Command<br>North Carolina         | i, Fort Bragg,             |                    |                          |

|   |  | College           | Private |
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| Name .  | Home Address                               | Address           | Phone   |
|   | W  |                   |         |
|   | , (D 97)                                   | 44.7.1            | 0 0000  |
|   | 7 (Page 37)                                | 44 Ll             | 2-3933  |
| WALLACE, John G.  | ad, Baltimore 12, Md (Page 31)             | 23 YH             | 2-9799  |
|   | St., South Hadley, Mass.                   |                   |         |
| WALLACE, Robert   | P (Page 31)                                | 23 SH             |         |
|   | ve., Homestead Park, Pa.                   |                   |         |
| WALTON, David S   |  | 72 L1             | 2-3645  |
|   | Brigantine, N.J.                           | 23 Ll             | 2-3712  |
| WALTON, Howard L<br>#6 North Ave., V  |  | 23 11 .           | 2-3112  |
| WARDE, William D.   |  | 14 Ll             |         |
| ,   | Hyde Park 36, Mass.                        |                   |         |
| WEAVER, Harold D.   |  | 24 Ll             | 2-3712  |
|   | College, Dover, Del.                       | 440.70            |         |
|   | (Page 51)                                  | 113 B             |         |
|   | Ave., Burnt Mills Hills,                   |                   |         |
| Silver Spring, N<br>WEEKS, Edward F.  |  | 11 Ll             |         |
| 59 Chestnut St.,  |  |                   |         |
| WEEKS, Robert H.  |  | Day               |         |
| Old Gulph Rd.,  | Wynnewood, Pa.                             |                   |         |
| WEIDMAN, Robert C   |  | 24 YH             |         |
|   | e., Chevy Chase, 15, Md.                   | 13 Ll             |         |
| WEIGERT, Martin G   | e St., Washington, D.C.                    | 19 TI             |         |
| WEST, William N.,   |  | 117 B             |         |
|   | d, Wynnewood, Pa.                          |                   |         |
| WHITE, Courtland Y  |  | Day               |         |
| Rebel Fox Farn  |  |                   |         |
| WHITE, Elijah B., Il  |  | 35 SH             |         |
| Leesburg, Virgi<br>WHITE, William, Jr   |  | Day               |         |
| 621 Villa Rd., D  |  | Day               |         |
| WHITNEY, James N  | (- 0-)                                     | 81 Ll             |         |
|   | ge Rd., Wayne, Pa.                         |                   |         |
| WIELAND, Daniel A   |  | 72 L1             | 2-3645  |
|   | oxboro, Phila. 28, Pa.                     | 04 3777           |         |
| WIGGENHORN, Anth  | nony W (Page 44)<br>ntry Club, Nyack, N.Y. | 21 YH             |         |
|   | Page 37)                                   | 33 L1             |         |
| 115 Pennsylvani   | ia Ave., Bryn Mawr, Pa.                    | 00                |         |
| WILENTZ, Jack N.  | (Page 37)                                  | 202 B             |         |
| 185 High St. Per  | rth Amboy, N. J.                           | _                 |         |
| WILLCOX, David L.   | pad, Ithaca, N.Y. (Page 37)                | Day               | 2-8615  |
| Local Address:  | Woodside Cottage, Haverfor                 | rd, Pa.           |         |
| WILLS, Daniel C   | (Page 44)                                  | Day               |         |
| 40 Cross St., Westerly, Rhode Island<br>Local Address: 768 College Ave., Haverford, Pa. |  |                   |         |
|   | (Page 37)                                  | 33 <del>L</del> l |         |
| Marien Bader F  | Platz 10                                   |                   |         |
| Bad Homburg V   | or Der Hohe, Germany                       | 10 FH             |         |
| Peaceable St. G   | eorgetown, Connecticut                     | 10 FH             |         |
|   | <u> </u>                                   |                   |         |

College Private

| Name                                   | Home Address                                    | College<br>Address | Private<br>Phone |
|--|---|--------------------|------------------|
| ,                                      | (Page 44)                                       | 61 Ll              |                  |
| - /                                    | Pittsburgh 28, Pa. ld S (Page 31) Columbus Obio | 11 Ll              |                  |
| WOLF, Edwin D                          | (Page 52)<br>Ave., Phila. 18, Pa.               | 218 F              |                  |
|  | (Page 52)                                       | 38 SH              |                  |
| WOLFINGER, Howard<br>Apple Drive, Gree | L., Jr (Page 52)                                | 120 B              |                  |
| WOOD, Richard K                        |   | 35 SH              |                  |
| _ ,                                    | (Page 31)                                       | 33 SH              |                  |
| ,                                      | B (Page 31)                                     | 22 WH              |                  |
|  | Y   |                    |                  |
| YOOD, Herbert M 390 Mass. Ave., A      | (Page 52)                                       | 34 SH              |                  |
|  | (Page 37)                                       | 82 Ll              |                  |
|  | Z   |                    |                  |
| ZAMBA-REEVES, Jos<br>Fastsville Ysd. B | asson County,                                   | 71 Ll              |                  |
|  | n, West Africa (Page 52) Melrose Park 26, Pa.   | 24 YH              |                  |
| ZAVITZ, Peter K.C.                     | Chevy Chase 15, Md.                             | 21 Ll              |                  |

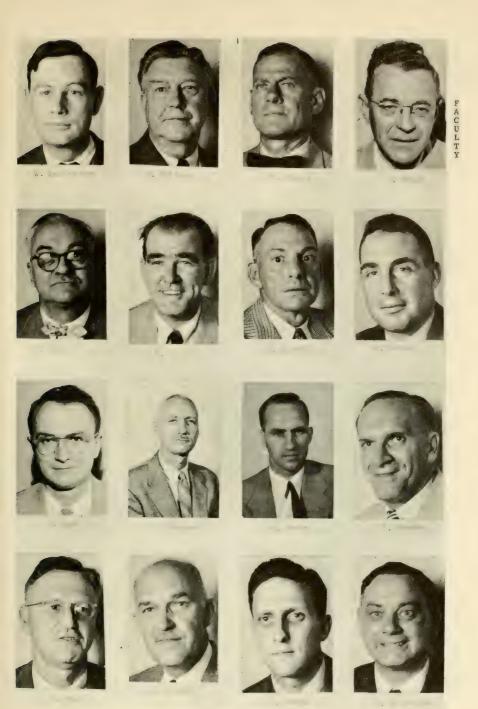
# STUDENTS' PICTURES

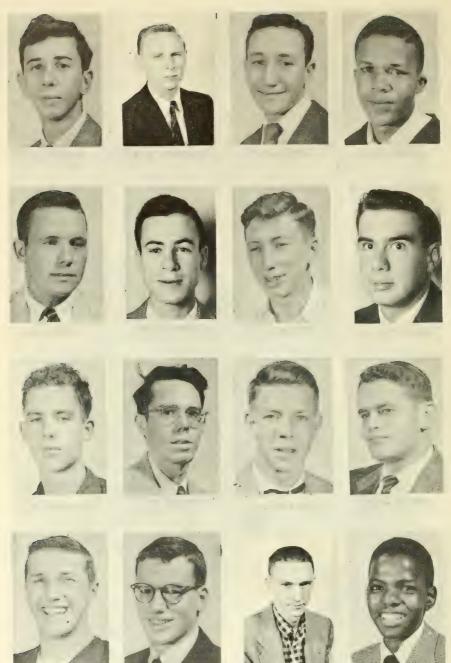
Arranged alphabetically by classes

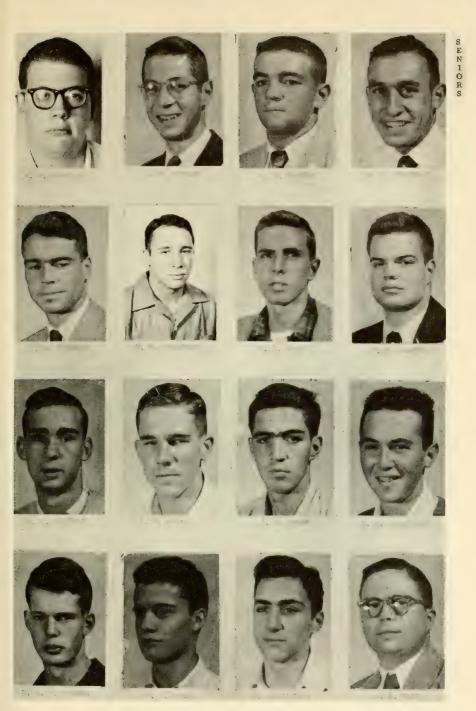
This section arranged by Students' Council







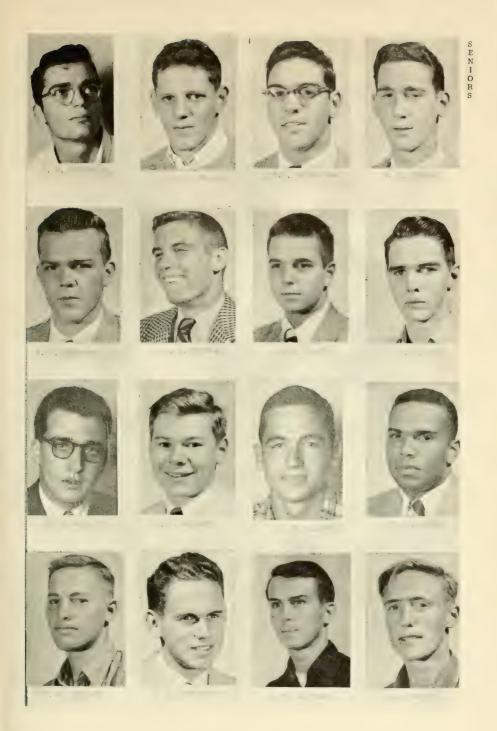






































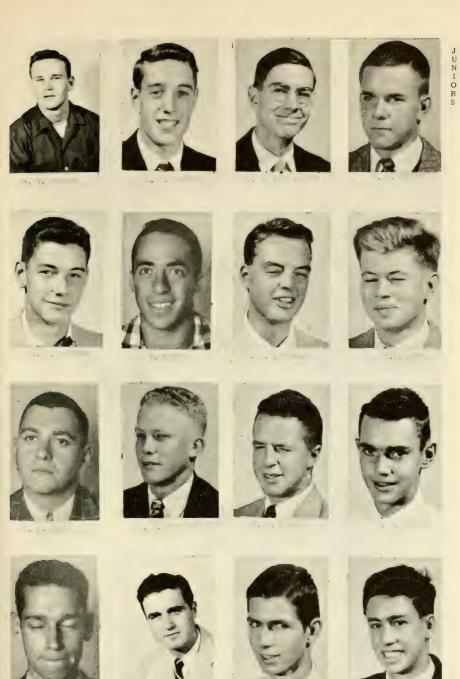


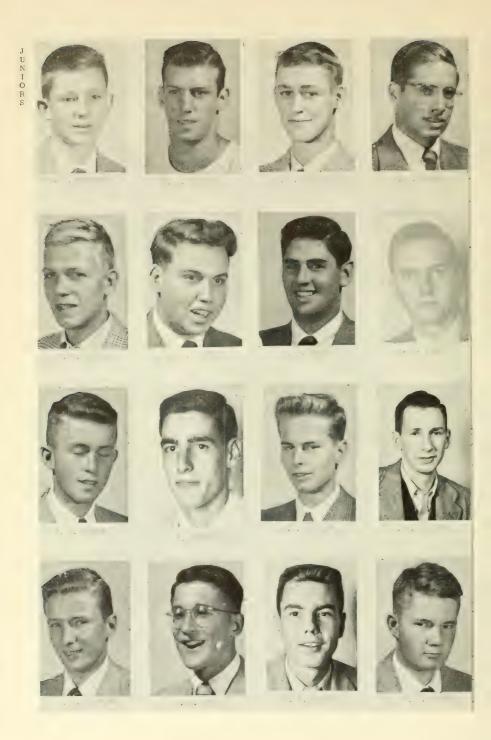


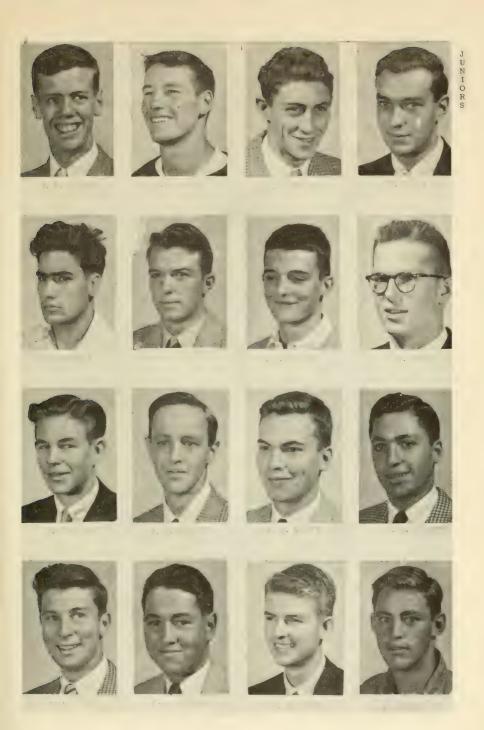


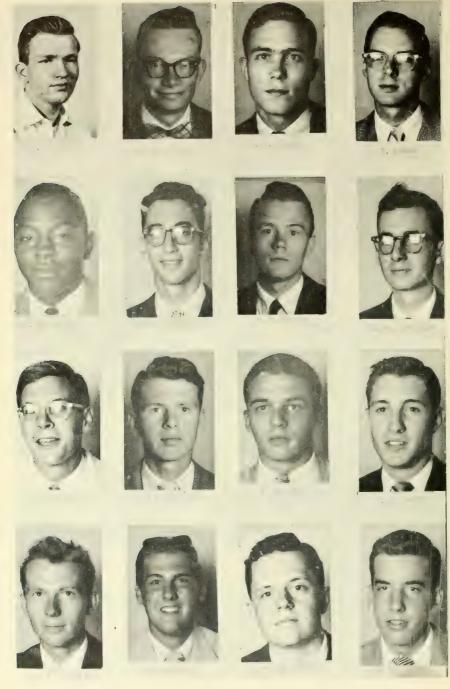


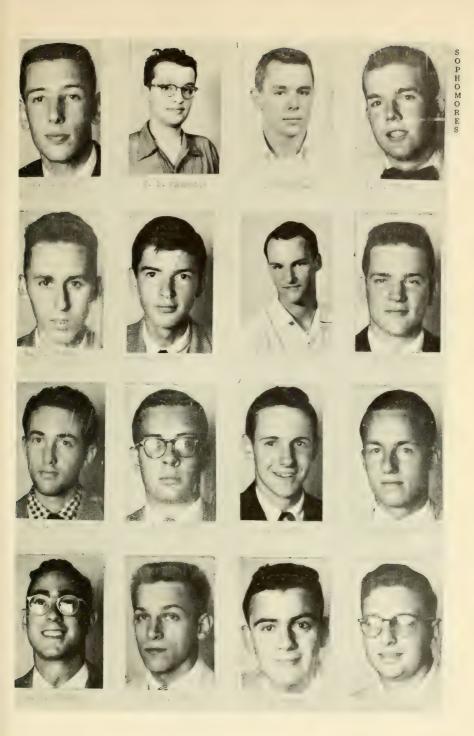




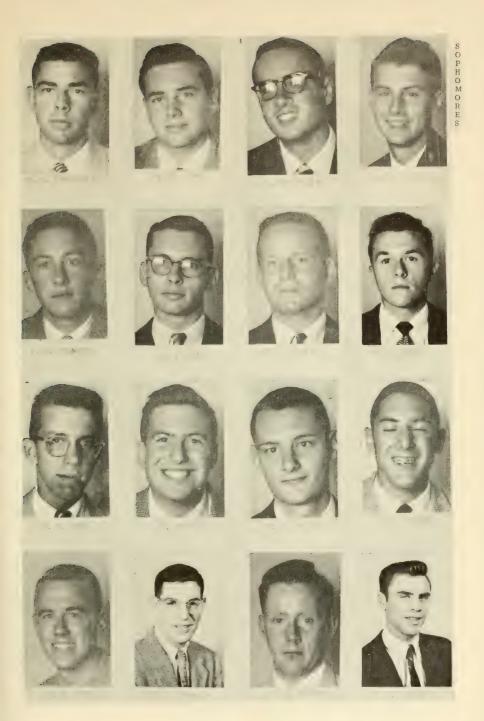


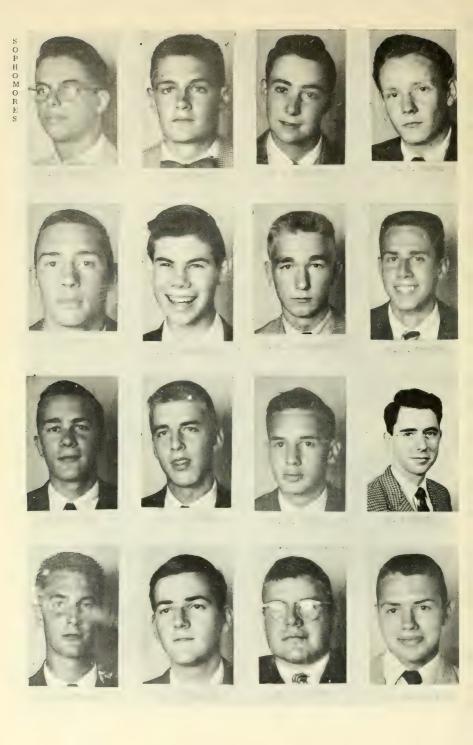






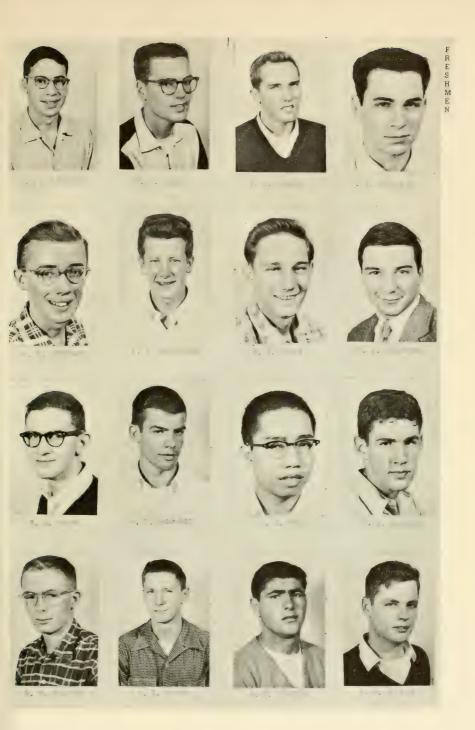


































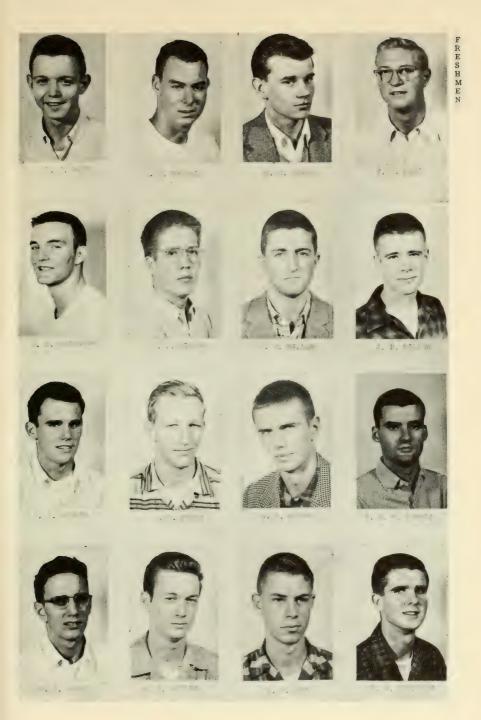


















### FRESHMAN CLASS

Alexander, Henry Jacob Baker, David Ridenour Barnes, Sidney Brown, Jr. Bertolet, Frederick Cook Bingham, William Redmond. Jr. Blackburn, Paul Pritchard III Bomar, Edward Earle Brewster, John Gurdon Brown, William Michael Campbell, Bruce Davidson Char, David Chi-Hoy Clemson, Daniel Michael Colburn, Robert Marshall Coles, Robert Lippincott Concors, Alan J. Cooper, James David Coulthurst, John Curtis, Richard Walker Davis, Peter Nelson Dietrich, Frank Sigel, Jr. Dorsey, William Allen, III Eidenberg, Peter Joseph, III Engelhardt, Hans Worthington Fischer, Allen Carmalt Fite, George Warner Forbes, John Dexter Fowler, Michael LeCompte Fullard, William George, Jr. Goggin, M. Gregory Gould, Richard Gerardus Grambs, David Lawrence Green, Alexander Ayres Green, Willard Poole Gresimer, John Dubosq, II Griffith, Lawrence Stacey Hargadon, Frederick Anthony Hecht, Jeffrey Karl Heiman, Elliott Martin Hoffman, Harold Leon, Jr. Hook, Richard Alan Horn, Richard Frederick Hornbaker, John Harlan, Jr.

Horwitz, Henry Gluck Howard, C. Boyd Hutt, David Michael Johnson, Alan Elliott Jackson, Richard Kaback, Michael Melvin Kain, David Hay Katowitz, James Andrew Kittner, Philip Joel Kriel, Robert Lee Kuhn, Christopher Lederer, Richard Henry Lee, James Oakley Leeser, Harry MacLure Liechty, Gordon Acheson Liguori, Victor A. Lindeman, William Harvey Long, Anthony Byrd Lowenthal, Joel Richard Lyman, Frank Trenholm, Jr. Mamana, Joseph Marshall, Jr. Marsden, George Mish Matthews, Robert Moore Maud, Laurence Collier McLeod, Hugh Wallace Meade, Price Clarke Merz, Frederick Halbach Michener, Bryan Paul Miller, Andrew Lord Miller, John David Miller, John Philip Morris, James Howard Moyes, James Robert Murray, Wallace Arthur, Jr. Norris, Paul Elliott Hughes Ogden, Hugh Stephen Patrick, Richard Barton Peck, Newton Tenney, Jr. Phillips, H. Alexander Phillips, Michael Haider Porter, Robert Russell, Jr. Potts, Charles Anthony

Pursel, Charles Barton Rice, Emery vanDaell Rignall, Raymond Hoyle, Jr. Rivers, David Buchanan Robinson, Theodore Alan Rosenbaum, David Hugh Scarborough, Donald Aldrich Schear, Richard David Scholl, Donald Byrd See, Fred Gared Segal, Don Mark Sharp, Alexander B. Shaw, Frederick Howard Sheldon, Timothy Marvin Sherk, Larry Wayne Smith, John Kohler Spangler, George Mervin, Jr. Stein, Adam Steward, Palmer Gilbert Stockebrand, William John Stone, Donald Adelbert, Jr. Stone, John William Taylor, William Graves Teem, Martin Van Thorne, Charles Greenwood, Jr. Tobias, Joel Allan Trenbath, Robert Wight Tubis, Stuart Harvey Vastine, John Robert Weber, William Farnsworth Weeks, Robert Homer Weidman, Robert Ogden West, William Nelson, IV White, Elijah Brockenborough, III Wing, Nathaniel Wolf, Edwin David Wolff, Peter Wolfinger, Howard Leiter, Jr. Wood, Richard Kilbon Yood, Herbert Michael Zapf, Erik

## SOPHOMORE CLASS

Adams, John F.
Adams, M. Ian
Aiken, Paul L., Jr.
Baker, T. Nelson, III
Barnert, Nyles N.
Becker, Mark
Benjamin, Robert S.
Berlin, Cheston M., Jr.
Bertolet, William C.
Birch, James A.
Boyer, James L.
Bradley, Edward L., Jr.
Buck, Alfred S.

Bucy, James G.
Burton, Thomas M.
Cable, Peter G.
Carragan, William D.
Christmas, Lawrence B.
Clark, Jonathan J.
Clark, Laurence H.
Conroy, Frank
Crawford, John F.
Crist, Robert L.
Dane, Henry J.
Duff, Stewart M.
El lis, David W.

Ellison, George H.
Eyster, Aden Daniel
Feick, M. Mather
Fogel, Michael R.
Friedman, Burton
Gallager, Laurence R.
Geist, Kenneth L.
Gelser, Leigh M.
Getty, Carl J.
Gibson, David J.
Gold, Allan
Greenleaf, Newcomb
Gunster, Gerald D.

### SOPHOMORE CLASS

Halstead, Lauro S. Hardy, Roger B. Harkins, John J. Harrison, Eric J. Harvey, William B. Hill, Horatio S., Jr. Hill, Richard M. Holmes, James D. Hopper, Robert J. Hoppin, Nicholas Humphreys, Marvin W. Hunt, Peter T. Hurchalla, George, Jr. Johnson, Myles A. Johnston, Jamie H. Joslyn, Allen S. Kaback, Howard R. Kelly, Richard M. Kerr, Douglas Kirby, Edwin J., Jr. Klinman, Norman Knight, Charles A. Krause, Robert L. Kunz, Carl Norman, Jr. Kurzman, Harold P., Jr. Lenfest, David S. Lutherer, Lorenz O. Mack, Charles S. Macon, Edwin J. Maddock, Thomas, II Medsger, Thomas A., Jr. Meyer, Jean-Charles Mohr, Jay P. Monkemeyer, Herbert Shenton Montgomery, J. Langford, Jr. Musser, Harold E., Jr. Nolte, Kemble P. Nowlis, David P. Parker, Daniel E. Paul, David T. Pedrick, Perkins C. Pennell, Franklin H., Jr. Phillips, Harvey E. Platt, Herman K. Pratt, Robert G. Price, Hollis F., Jr. Price, Leighton A. Ralph, Boyd G. Randall, Mark H. Rauch, Richard M.

Reill, James H. Riegl, Jan A. Rockwell, Peter B. Rodewald, Paul G., Jr. Roloff, Michael W. Sarnoff, Stephen B. Sayles, William A. Schoonover, Eric T. Schramm, Richard E. Schumpert, O. Lamar, Jr. Shultz, Robert L. Smith, Earl J. Squires, E. Chadwick Steele, Thomas H. Tannebaum, Kenneth A. Thomas, C. Howard, Jr. Tilley, Jon Peter Todd, Richard H., Jr. van Arkel, A. Thomas Van Dusen, Derek B. Weigert, Martin G. Wiggenhorn, Anthony W. Wills, Daniel C. Winter, Donald P.

# JUNIOR CLASS

Abramson, Marc F. Acton, Alfred Allen, Harry R. Allen, Paul R., Jr. Amsterdam, Tony G. Barr, Mason, Jr. Belash, David C. Bernstein, John A. Bing, Anthony G. Block, Blaine L. Brown, Charles V., Jr. Challener, Robert C. Charlson, Murray T. Clavel, Pierre Clurman, Rodney H. Cohen, Richard L. Cooper, T. Astley Cope, John G. Coroneos, Clive R. Cowen, Arthur, III Crane, Donald A. Densford, Robert W. Dent, Benjamin A. Doherty, William P., Jr. Donham, Michael B. Fairfield, Edward S. Farrell, Henry M. Ferguson, Lawrence C., Jr. Forman, Phillip M. Forman, Richard T. Foster, Roger S., Jr.

Francis, James B., Jr. Gallant, Jonathan A. Gibson, Seth Gifford, George H. Goodman, Jay S. Gray, John H., III Groff, Diller B., III Gruber, John B. Haberland, Paul M. Hamester, Hans L. Hart, Benson H. Harvey, Thomas B., Jr. Haviland, Paul R., Jr. Hecht, Warren B. Heeg, Michael M. Helmstadter, Thomas H. Henderson, Rolland H. Hodge, Paul M. Hoover, Henry B. Hopkins, Paul Donald Hudson, Floyd Eugene Hunt, Robert W. Hunter, Allan A., Jr. Iriye, Akira Johnson, Stanley B., III Joyce, Thomas J., Jr. Kilpatrick, Robert W. Kravis, Gary I. Lachman, Alan B. Leeds, Robert W., Jr. Levin, Joel M.

Lindeman, Robert J. Long, William Herbert, III Matlack, Louis R. Meaker, Douglas W. Meloney, J. Peter Mezger, Erik B. Milam, Lorenzo W. Moody, James P., Jr. Moses, Sanford H., Jr. Moss, William W., III Murray, William M. Nauman, Daniel W. Newmeyer, William L., III Nickel, Paul E. Noyes, Robert W. Paine, Lincoln D. Panken, Peter M. Pearson, Bruce F. Pine, Edward H. Plass, Neil W. Price, Robert B., Jr. Rehmeyer, Richard C. Sanson, Ralph C., Jr. Schott, John R. Seeley, Robert A. Smith, Richard B. Stevens, Edward J., III Stine, William D. Stover, Donald O. Swift, Daniel W. Thomas, Henry M., III

### JUNIOR CLASS

Torg, Joseph S. Tyson, William B. Unger, Thomas Versaci, Frank, Jr. Wagner, Richard V.

Walton, Howard L. Warde, William D. Weeks, Edward F. Whitney, James N. Wilbur, Ernest Reed Wilentz, Jack N. Willcox, David L. Winans, Charles S. Yost, William A., III Zavitz, Peter K. C.

### SENIOR CLASS

Anderson, George M. Armstrong, John K. Averna, Vincent S. Baker, James E. Baker, J. Winsor, Jr. Barlow, A. Ralph, Jr. Barrett, John Smith Bishop, Samuel A. Broekman, Han van M. Broughton, Robert P. Burelbach, Frederick M., Jr. Jordan, John S., Jr. Changtrakul, Pramote Chodorov, Stephan Cohill, Donald F. D'Arrigo, Philip Dick, John H. Dinge, Richard F. Dorsey, David F., Jr. Douglas, Walter B. Dungan, Jon. R. Duttenhofer, Franklin H. Fettus, George H. Freedman, Mark B. Freeman, Harvey A. Friedman, Harold M. Gage, Robert J. Garver, Thomas H. Goodman, Gerald S. Gould, John H. Green, Joseph E., III Greenberg, Marshall G. Greene, David G. Greer, Robert B., III Grossblatt, Norman Hall, Robert Tucker Hall, Winfield S. Harris, Daniel E. Hawkins, John R.

Hensel, David B. Hirss, Andris M. Hitzrot, H. William, Jr. Hoag, Joseph H. Horner, Joseph L. Innes, Bruce Jeremy Irvine, Robert Allen Isay, Richard A. Johnson, Otis Stafford Johnson, Richard M. Judovich, Joel I. Kalen, Norman Keeley, George P. Kemmerer, John L. Klinman, Jerry J. Knowlton, Stephen B., Jr. Kummer, Theodore G. Kurkjian, Ernest Ladenburg, Thomas J. Lane, Charles B. Leger, Francois Treville Mack, Newell B. MacKown, Craig Malko, George Mann, H. Michael Marble, William James Marquardt, John F. Martenis, Thomas Williams Mazurek, Stanley L. McDowell, Robin S. McLean, Arthur M. McMasters, James L. Mead, Donald C. Mikhail, John I. Miller, Louis H. Minnich, Edward L., Jr. Momsen, William L.

Monroe, Richard C. Ortman, H. William Patt, Robert F. Pfaltz, John L. Regan, Theodore M., Jr. Renken, Fritz G. Renner, Peter M. Rhoads, John B. Richardson, H. Burtt, Jr. Ruppenthal, Carl R., Jr. Schwentker, Frederic N. Scott, Alexander F., Jr. Seaver, David B. Semans, H. Stark Shaw, Herbert W., Jr. Shuster, James R. Sieverts, Steven H. Smith, Michael E. Sotomayor, Guy G. Steere, Geoffrey H. Stephens, John M. Swinton, Neil Williams, Jr. Thomas, John W. Togasaki, Robert K. Traut, Robert R. Viney, James L. Wallace, John G. Wallace, Robert P. Walton, D. Sellers Weaver, Harold D., Jr. White, Courtland Y., IV White, William, Jr. Wieland, D. Alexander, Jr. Witherspoon, Gerald S. Woodham, Lewis R. Woznicki, Lamar deB. Zamba-Reeves, Joseph J.

### SOCIAL AND TECHNICAL ASSISTANCE

Burks, Wanda J. Hornum, Finn

Ishiyama, Yutaka Lellep, Nancy H.

### SPECIAL STUDENTS

Mactye, David C.

Sorg, W. Roger

# COMMENCEMENT

1955

### PRIZES

The Clementine Cope Fellowships for 1955-56 for graduate study at another institution have been awarded to

JAY ARTHUR NOBLE, 1955, First

JOHNS WILSON HOPKINS, III, 1955, Second

The Mathematics Department Prizes for Freshmen

First Prize Newcomb Greenleaf, 1958

Second Prize Nyles N. Barnert, 1958

The Scholarship Improvement Prizes for two Seniors who have shown the most steady and marked improvement in scholarship during the college course have been awarded as follows:

First Prize Theodore G. Penick, 1955 Second Prize Alexander H. Frey, Jr., 1955

The Class of 1896 Prizes in Latin and Mathematics for Sophomores have been awarded to AKIRA IRIYE, 1957, Latin RICHARD L. COHEN, 1957, Mathematics

The Lyman Beecher Hall Prize in Chemistry for Juniors, Seniors, or Graduates, within three years of graduation who expect to engage in research has been awarded to

JOHNS WILSON HOPKINS, III, 1955

The Founders Club Prize for the Freshman who has shown the best attitude toward college activities and scholastic work has been awarded to

LARRY HARTMANN, 1958

The William Ellis Scull Prize for the upperclassman who shall have shown the "greatest achievement in voice and the articulation of the English Language" has been awarded to

Francis Bruce Reeves, IV, 1955

The George Peirce Prize in Chemistry or Mathematics offered exclusively for students who expect to engage in research has been awarded to

CORNELIUS E. KLOTS, 1955

The Class of 1910 Poetry Prizes for the best verses written by Haverford undergraduates during the year have been awarded to

> Frank Versaci, Jr., 1957 Ralph Jaeckel, 1955

The Class of 1902 Prize in Latin has been awarded to

ERIC JAY HARRISON, 1958

The Newton Prize in English Literature on the basis of Final Honors in English has been awarded to

RICHARD WILLIAM MAREK, 1955

The S. P. Lippincott Prize in History has been awarded to

FRITZ GUNTHER RENKEN, 1956 AND HARRIS CLINTON ARNOLD, JR., 1955

The Edmund Jennings Lee Prize, for that student organization which has done most to advance the interests of Haverford College during the current academic year has been awarded equally to

THE DRAMA CLUB AND THE GLEE CLUB

### HONOR SOCIETIES

### PHI BETA KAPPA SOCIETY

The following members of the graduating class have been elected

JAY ARTHUR NOBLE

MARC ALLAN FORMAN

DAVID CHASE SUTTON

MORTON STANLEY MANDELL

PETER BIRNIE-BYE ROSENBERGER

GRANT MORROW, III

JOHNS WILSON HOPKINS, III

The following members of the Junior Class have been elected

CARL ROBERT RUPPENTHAL, JR.
ROBERT RUSH TRAUT
MICHAEL ELLIOT SMITH
ROBERT BRUCE GREER, III
JOHN SMITH BARRETT

### FOUNDERS CLUB

The following persons were elected for merit in both studies and college activities:

During 1952
PAULDING PHELPS, 1955

During 1953
WILLIAM S. MASLAND, 1955
M. HUYETT SANGREE, Jr., 1955

During 1954 Grant Morrow, III, 1955

During 1955

James Adams Braker, 1955

Charles Robert Brainard, 1955

Robert B. Greer, III, 1956

Robert Allan Irvine, 1956

Ira Edward Kanter, 1955

George Paul Keeley, 1956

Louis Rogers Matlack, 1957

Thomas W. Martenis, 1956

Robert Emms Read, 1955

William Docherty, Jr.

# HONORS

### HIGHEST HONORS

| HIGHEST HONORS                     |                    |
|------------------------------------|--------------------|
| JAY ARTHUR NOBLE, 1955             | Chemistry          |
|                                    |                    |
| HIGH HONORS                        |                    |
| ALEXANDER CHARLES ALLEN, 1955      | Chemistry          |
| Marc Allan Forman, 1955            |                    |
| Johns Wilson Hopkins, III, 1955    | Chemistry          |
| Cornelius E. Klots, 1955           | Chemistry          |
| Morton Stanley Mandell, 1955       |                    |
| RICHARD WILLIAM MAREK, 1955        | English            |
| HARRISON CROUSE RAPER, 1955        | Music              |
| PETER BIRNIE-BYE ROSENBERGER, 1955 | Philosophy         |
| David Chase Sutton, 1955           | Physics            |
|                                    |                    |
| HONORS                             |                    |
| GERALD SNYDER ALBRIGHT, 1955       | Chemistry          |
| ROBERT WATSON ALVORD, 1955         | Political Science  |
| HARRIS C. ARNOLD, Jr., 1955        | History            |
| JACK LUBIN, 1955                   | Chemistry          |
| WILLIAM STAFFORD MASLAND, 1955     | Chemistry          |
| Grant Morrow, III, 1955            | Chemistry          |
| MILTON HUYETT SANGREE, Jr., 1955   | Sociology          |
| Joseph Schatanoff, 1955            | Chemistry          |
|                                    |                    |
| HONORABLE MENTION                  |                    |
| PHILIP D'ARRIGO, 1956              | English 11-12      |
| PHILLIP M. FORMAN, 1957            | Philosophy 11 & 12 |
| Warren B. Hecht, 1957              | German 13-14       |
| Akira Iriye, 1957                  | English 11-12      |
| RICHARD A. ISAY, 1956              | Humanities 21-22   |
| Gary I. Kravis, 1957               |                    |
| James L. McMasters, 1956           | Humanities 21-22   |
| Lincoln D. Paine, 1957             | French 21 & 22     |
| Fritz G. Renken, 1956              | French 12          |

### BACHELORS OF ARTS

GERALD SNYDER ALBRIGHT **IONATHAN PARKER ALBRIGHT** ROBERT WATSON ALVORD HARRIS C. ARNOLD, JR. KOYA AZUMI CALVIN CHRISTY BARNHART LEE COTTON BENNETT, JR. ERIC D. BLANCHARD THEODORE ROBESON BLEDSOE ANTHONY BORTON CHARLES ROBERT BRAINARD JAMES ADAMS BRAKER JOHN DAVID CATO Joseph J. Cauffiel DONALD FRANK CONE SAMUEL C. CONTAKOS RICHARD EDWARD CROASDAILE, JR. JOHN ROBERT MICHAEL DOUGLAS DANNAY ROSWELL ELDRIDGE MARC ALLAN FORMAN DAVID STAPLES FOULKE OTTO LEHN FRANKE IRWIN STANLEY FREEDMAN ALEXANDER H. FREY, JR. RICHARD STEMPLE FULLER ALEXANDER MAX GOLDFINGER, JR. FRANCIS BRUCE REEVES, IV THOMAS B. GOODKIND GEORGE WILLIAM GRAY HENRY ISAAC HAMBURGER E. BERKELEY HARRIS, JR. WILLIAM GEOFFREY HAYNES, JR. PIERCE CHANDLER HAZELTON ROBERT E. HINSHAW DAVID EDWARD HOGENAUER RALPH JAECKEL MILLER ALANSON JOHNSON, II STEPHEN JOSEPH KAHN

IRA EDWARD KANTER CHASE DAVID KEPNER MARTIN ARNOLD KLAVER, JR. JOHN HAROLD KREISHER ROBERT PETER LEWIS JACK LUBIN JOHN ROBERT MACKENZIE DON RAY MAIDEN, JR. CHARLES BRAY MANCHESTER RICHARD WILLIAM MAREK WILLIAM STAFFORD MASLAND JAMES RUSSELL McCANN RICHARD L. McCANDLESS JOHN GORDON McDONALD, JR. WILLIAM DIEHL LOBER MELCHER NATHANIEL SHAW MERRILL GRANT MORROW, III URBAN HAGGERSON MOSS CHARLES FRANKLIN NEUHAUS JOHN H. OSLER, III GARTH ROCKWOOD PARKER THEODORE G. PENICK PAULDING PHELPS HARRISON CROUSE RAPER DANIEL H. RICE, III RICHARD DAVIS RIVERS PETER BIRNIE-BYE ROSENBERGER MILTON HUYETT SANGREE, JR. **JOSEPH SCHATANOFF** ROBERT GEORGE SCHWARTZ PAUL SIDDALL SEAVER JOHN KENNETH SPEICHER, JR. JOHN MANTZ STROTBECK JOHN GAYLORD SUPPLEE DAVID CHASE SUTTON ROBERT GORDON WILSON

as of June 4, 1954

THOMAS SEFTON HEIRS

as of June 12, 1948

BYRON EARL BESSE, JR.

### BACHELORS OF SCIENCE

ALEXANDER CHARLES ALLEN MORTON STANLEY MANDELL
ROBERT PROCTOR APMANN JAY ARTHUR NOBLE
CHARLES STUART ARMSTRONG ROBERT EMMS READ
JOHNS WILSON HOPKINS, III EDWARD U. SCHERER, JR.
CORNELIUS E. KLOTS CARL F. SCHULTHEIS, JR.
CHANDRU MALANI JEAN-LOUIS WOLF

### MASTERS OF ARTS - S. T. A. CURRICULUM

HESTER A. DAVIS (A.B. Rollins College)

MICHAEL A. GUNTHER (Diplom Volkswirt—Philipps-Universität Marburg)

TORE E. G. HAKANSSON (Science College, Calcutta)

MARGIT HILSENRAD (A.B. Manchester College)

ROBERT RICHARD O'BRIEN (A.B. Dartmouth College)

ELVA MAHALA REMSBERG (A.B. Hood College)

FRANCES SLAVIN (A.B. Hunter College)

JOYCE WUESTHOFF (A.B. Connecticut College for Women)

### MASTER OF SCIENCE

DAVID P. MAYER (B.S. Haverford College, 1953)

Research: "Experimental Characterization of Alkyl Halides."

### HONORARY DEGREES

| Charles J. Rhoads          | Doctor of Laws |
|----------------------------|----------------|
| Albert H. Wilson Doctor of | Humane Letters |
| CARROLL T. BROWN           | Master of Arts |
| Walter H. Mohr             | Master of Arts |
| CHESTER L. REAGAN          | Master of Arts |
| L. RALSTON THOMAS          | Master of Arts |

# Students Enrolled in February

Issued quarterly by Haverford College, Haverford, Pennsylvania

Entered as second-class matter November 2, 1944 at the Post Office at Haverford, Pa., under the Act of August 24, 1912

# Haverford College Bulletin



Alumni Directory

1956

HAVERFORD, PENNSYLVANIA



# A MESSAGE FROM THE ACTING PRESIDENT OF HAVERFORD COLLEGE

I am glad that the Alumni Association's Centennial Celebration has provided the occasion for issuing another Alumni Directory. The gap of seven years since the 1949 directory is short compared with the intervals which occurred in the past.

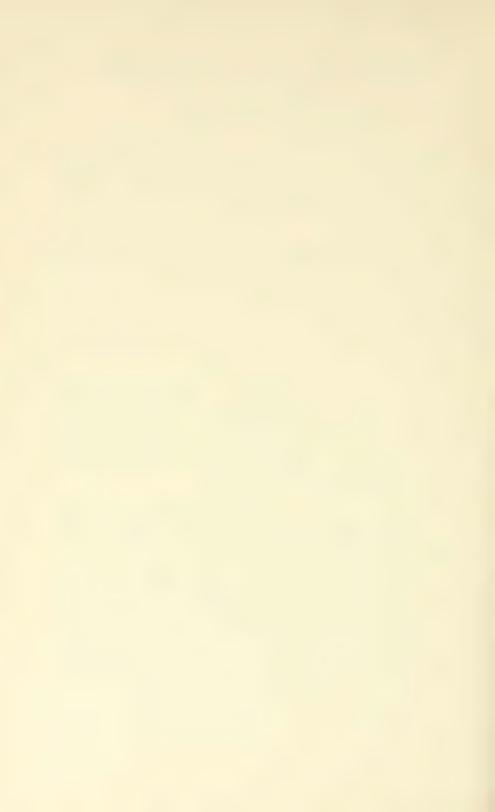
But still, much has happened to Haverford and much has happened to all of you during the last seven years. I hope that the progress of your affairs and of your life has matched that of Haverford. I feel this especially because the College has much for which we can be grateful — not only material improvements, but the continuing faithful service of the faculty and the many acts and expressions of support and devotion from alumni, parents, and friends outside the College community.

In the course of planning and carrying out several common projects during the last few years, many of us have found that we are in closer touch not only with the men of our own day, but with older and younger alumni and with present-day students. This widening circle of Haverfordians is one of the enduring sources of pleasure over the years. The Alumni Directory will help us maintain and increase these contacts.

The interesting and extensive contributions Haverfordians are making in their occupations and worthwhile activities in this country and abroad are suggested in the occupational and geographical listings of alumni.

Still another anticipated use of an up-to-date Directory of Alumni is the ease with which prospective applicants can locate Haverfordians in their communities for questions and discussions of what Haverford has to offer. Applicants can even pick their man by profession, if they care to, and pin-point him on the map!

Yours for a good start on our second century!



### FOREWORD

This edition of the Alumni Directory, published in the centenary year of the Haverford Alumni Association, supersedes the Matriculate Catalogs of 1900 and 1922 and the Alumni Directory of 1949. It includes four main sections:

- 1. Alphabetical List
- 2. Class List
- 3. Geographical List
- 4. Professional List

To these have been added three further lists, of (a) recipients of Haverford honorary degrees, (b) alumni who attended Haverford as graduate students but not as undergraduates, and (c) members of the graduating class of 1956.

Each alumnus has been asked to supply information for, or to verify, his listing. Where replies have not been received we have drawn on the best information available, from the Alumni Office and the Registrar's Office of the College. In some instances this information has proved incomplete or impossible to verify; if in other cases the College records prove to have been inaccurate, we apologize in advance for the resultant errors in this Directory.

Working with the information at hand, we have aimed to abide by the following principles consistently:

- 1. Alphabetical and Class Lists: All students (unless no longer living) who have attended Haverford at any time should appear in these Lists, in accordance with information received either from the alumni or from our files.
- 2. Geographical List: For this listing we have used the address which appears to be the most permanent for mailing purposes—though the List as a result follows sometimes the residence and sometimes the business address.
- 3. Professional List: We have not included in this List the names of alumni from whom we have received no questionnaire—response, not knowing how they would wish to be listed. Where an alumnus has listed more than one occupation, we have listed his name under the occupation which seems most inclusive. Graduate students in the liberal arts have not been included in this List, since their professional classification cannot be foreseen at this time.

Finally it should be observed that, since the publication-schedule of this Directory has extended over five months, no changes could be made on the basis of information received after February 1, 1956.

We are indebted for this publication to Aldo Caselli and his competent staff for collecting and organizing the data, and to John A. Lester, Jr., for editing the entries and correcting the proof.



### ALPHABETICAL LIST

This listing indicates after each alumnus' name (1) the class of which he is a member, (2) Haverford degrees received, in parentheses, and (3) degrees received at other institutions. (r) indicates residence address and (b) business address. Professions are indicated in italics.

ABBE, Gilbert '33

(r) College Park, Maryland

ABBOTT, C. Webster '44 (B.S.)

(r) 515 Club Lane, Louisville 7, Ky.

(b) Citizens Fidelity Bank & Trust Co. Louisville, Ky. Banker

ABBOTT, Charles C. '42 (B.S.)

(r) R. F. D. #1, West Chester, Pa.

(b) Seaboard Seed Co., 701 S. Front St., Philadelphia 47, Pa. Seed Technologist

ABBOTT, Charles D. '22 (B.A.) M.A., B.Litt.

(r) Linwood, Livingston Co., N. Y.

(b) University of Buffalo, Buffalo, N. Y. Librarian and College Professor

ABBOTT, H. David '51 (B.A.)

(r) Linwood, N. Y. Law Student

ABELE, Alan M. '21 (B.A.)

(r) 3415 Buford Hwy., Atlanta 6, Ga.

(b) The Associated Press, Journal Bldg., Atlanta, Ga. Editor

ABERNETHY, Bradford S. '30 (B.A.) B.D. (r) 116 College Ave., New Brunswick, N. J.

(b) Rutgers University, New Brunswick, N. J.

Clergyman

ACKER, George N. '49

(r) R. D. #1, Glen Rock, Pa.

ACKERMAN, Robert B. '39 (B.S.) M.B.A.

(r) 25 Birch Pl., New Providence, N. J. (b) Peat, Marwick, Mitchell & Co., 70 Pine St., New York 5, N. Y.

Accountant

ACTON, Conrad '25 (B.S.) M.D.

(r) 1208 St. Paul St., Baltimore 2, Md. Doctor

ACTON, John T. '50 (B.A.) LL.B.

(r) Bryn Athyn, Pa.

(b) ASO-U. S. Navy, Oxford Ave., Philadelphia, Pa. Lawyer

ADAM, Albert C., Jr. '52 (B.A.)

(r) 212 Harding Ave., Havertown, Pa.

(b) Atlantic Refining Co., 260 S. Broad St., Philadelphia, Pa. Pipe Line Supervisor

ADAMS, Deborah Douglas (M.A.) A.B.

(r) S. Austin Dr., Jesup, Ga.

Housewife

ADAMS, James F., Jr. '48 (B.A.) M.A. (r) Pines Bridge Rd., R. D. #1, Mt. Kisco,

N. Y. (b) Reader's Digest Assoc., Inc., Pleasantville, N. Y. Periodical Publication, Foreign Dept.

ADDOMS, James Neal '42 (B.S.) Sc.D.

(r) 2910 N. Franklin St., Wilmington, Del.(b) Atlas Powder Co., Wilmington, Del. Chemical Engineer

ADDOMS, Jeremy '43 (B.A.) (r) R D #1, Box 445, Bridgeport, Pa.

(b) Atlantic Refining Co.,260 S. Broad St., Philadelphia, Pa.

Industrial Engineer

ADIMORA, S. Nwanneka '51 (B.S.)

(r) 351 Vanderbilt Hall, Harvard Medical School, Boston, Mass.

ADKINS, E. Dale, Jr. '36 (B.S.) LL.B.

(r) Camden Ave. Ext., Salisbury, Md.

(b) Adkins & Potts, 112 E. Market St., Salisbury, Md. Lawyer

AGNEW, Robert L. '47 (M.A.) B.A., B.D.

(r) Pleasant Valley, N. Y.

(b) 1st Presbyterian Church, Pleasant Valley, N. Y. Clergyman

AHRENS, Dietrich F. '38

AIKENS, H. Hayes '35 (B.S.)

(r) 516 W. Wayne Ave., Wayne, Pa.

(b) Pennsylvania Box & Lumber Co., Willow Grove, Pa. Vice President

ALA'ILIMA, Mrs. Fay C. '45 (M.A.) Ph.D.

(r) Lagulemu Plantation, Western Samoa

ALBERT, Alpheus H., Jr. '39 (B.A.)

- (r) 23 Hawthorn Dr., Westfield, N. J. (b) Irving Trust Co., Empire State Bldg., 350 5th Ave., New York, N. Y.

Assistant Vice President

ALBERT, William H. '27

- (r) 2111 Pine St., Philadelphia 3, Pa.
- (b) Russell Playing Card Co., 600 5th Ave., ALLEN, Charles J., Jr. '37 (B.S.) New York, N. Y.

Salesman

ALBRIGHT, Gerald S. '55 (B.A.)

(r) 3900 Spruce St., Philadelphia, Pa. Medical Student

ALBRIGHT, Jonathan P. '55 (B.A.) (r) 218 N. Broad St., Lititz, Pa. Divinity Student

ALCORN, James W., Jr. '28 B.S.

- (r) 77 E. Pierrepont Ave., Ruthertord, N. J.
- (b) U. S. Fidelity & Guaranty Co., 15 Market St., Newark, N. J. Auditor

ALDEN, Charles Seymour '44 (B.A.) A.M. ALLEN, John J. '55 (B.A.)

- (r) 86 Alexander Ave., Belmont 78, Mass.
- (b) Massachusetts Institute of Technology, 77 Massachusetts Ave., Cambridge, Mass.

College Professor

ALDRIDGE, George L. '42 (B.S.) M.B.A.

- (r) 1008 Copley Place N., Haddonfield, N.J.
- (b) Price Waterhouse and Co., 123 S. Broad St., Philadelphia, Pa. Public Accountant

ALE, F. H. '26 (B.S.)

- (r) Gladstone Hotel, E. 52nd St., New York, N. Y.
- (b) International General Electric Co., 570 Lexington Ave, New York 22, N.Y. Specialist, Overseas Operations

ALENICK, Monroe E. '48 (B.A., M.S.)

(r) 3 Shore View Dr., Yonkers, N. Y.

ALEXANDER, John W. '18

(r) 112 Highland Ave., Cynwyd, Pa.

ALEXANDER, Robert C. '37 (B.A.)

ALFORD, Theodore C., Jr. '45 (B.A.)

(r) Memorial Hospital, New York 21, N. Y.

ALLAN, Donald '51 (B.A.)

(r) 652 Kromer Ave., Berwyn, Pa.

(b) Connecticut Mutual Life Insurance Co., 226 S. 16th St., Philadelphia 2, Pa. Life Insurance Agent

ALLEN, Addison J. '27 (B.S.) M.A.

- (r) 2000 Coles Blvd., Norristown, Pa.
- (b) Norristown School District, Markley St. & Coolidge Blvd., Norristown, Pa. School Teacher

ALLEN, Alexander C. '55 (B.S.)

(r) 144 Loantaka Way, Madison, N. J. Medical Student

ALLEN, Charles F. '01

(r) Apt. 47-D, Parkway, Haddonfield, N.J.

ALLEN, Charles J. '00

- (r) 2 W. Maple Ave., Moorestown, N. J.(b) S. L. Allen and Co., Inc., 5th and
- Glenwood Ave., Philadelphia 40, Pa. Farm Implement Manufacturer

- (r) Woodside Lane, Riverton, N. J.
- (b) Wm. M. Hendrickson & Co., 832 N. Broad St., Philadelphia 30, Pa. Owner, Electric Motor Repair Shop

ALLEN, Ernest G. '40 (B.A.) LL.B.

- (r) 19 S. Bwy., Tarrytown, N. Y.
- (b) Ernest F. Griffin, 124 Main St. Tarrytown, N. Y. Lawyer

ALLEN, George '40 (B.A.)

(r) 2219 St. James Pl., Philadelphia 3, Pa. (b) Wm. H. Allen, Bookseller,

2031 Walnut St., Philadelphia 3, Pa. Bookseller

- (r) 1202 Main St., Walpole, Mass.
- (b) B. F. Goodrich, Chicago, Ill. Salesman

ALLEN, John M. '43 (B.S.)

- (r) 2690 W. Granville Rd., Worthington, Ohio
- (b) Battelle Mem. Inst., 505 King Ave., Columbus 1, Ohio Research Engineer

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    - (r) 416 Lawyer's Rd., Route #2, Vienna, Va.
  - (b) Ft. Myer, Arlington 11, Va. Major, U. S. Army
  - WORRALL, W. Scott '42 (B.S.) Ph.D.
    - (r) 6 Beech Tree Dr., Wethersfield, Conn.
    - (b) Trinity College, Hartford 6, Conn. College Professor
  - WORRELL, Granville '20
    - (r) Maple Hill Rd., Gladwyne, P. O., Montgomery Co., Pa
    - (b) Gray & Rogers, 12 S. 12th St., Philadelphia 7, Pa. Advertising
  - WORTHINGTON, Harold '11 A:B.
    - (r) Goldenrod Ave., Northport, L.I., N. Y.
    - (b) 44 Wall St., New York, N. Y.

Investment Advisor

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- (b) National Security Agency, Department of Defense, Washington 25, D. C. Mathematician

#### WREN, John C. '54 (B.A.)

(r) 1657 Fitzgerald Lane, Alexandria, Va. WRIGLEY, Arthur N. '37 (B.A., M.S.)

#### WRIGGINS, Sarah E. '46 (M.A.)

(r) #2 Maitland Crescent, Colombo, Ceylon Housewife

# WRIGGINS, Thomas, Jr. '30 (B.A.) M.B.A.(r) "Hidden Glen", Meadowbrook, Pa.(b) B. F. Dewees, Inc., 1122-24 Chestnut

- St., Philadelphia 7, Pa. President

#### WRIGHT, Austin '25 (B.A.) Ph.D.

- (b) Carnegie Institute of Technology, Schenley Pk., Pittsburgh 13, Pa. College Professor

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#### WRIGHT, Edwin '08 (B.S.)

(r) St. Davids, Pa.

#### WRIGHT, F. H. '34 (B.A.) Ph.D.

- (r) 4313 Alta Canyada Rd., La Canada,
- (b) Jet Propulsion Laboratory, 4800 Oak Grove Dr., Pasadena, Calif. Physicist

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- (r) 5739 Kimbark Ave., Chicago 37, Ill.
- (b) University of Chicago, 920 E. 59th St., Chicago 37, Ill. Doctor

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- (r) 608 W. Indiana, Urbana, Ill.
- (b) University of Illinois,
  - 307 Ceramics Bldg., Urbana, Ill. College Professor

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- (b) 6 Public Sq., Bedford, Pa.

Judge, Superior Court of Pennsylvania

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- (b) Presbyterian Church

Clergyman

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- (r) 114 Hartmann Rd., Newton Centre 59, Mass.
- (b) Mass. Institute of Technology, Cambridge, Mass. Physicist

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- (r) 524 Prescott Rd., Merion Station, Pa.
- (b) Kidder Peabody & Co., 123 S. Broad St., Philadelphia 9, Pa. Manager, Philadelphia Municipal

Department

- (r) 800 Hunter's Lane, Oreland, Pa.(b) Eastern Regional Research Laboratory, U. S. Dept. of Agriculture, Philadelphia 18, Pa. Chemist

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- (b) American Friends Service Committee, 1201 Chestnut St., Philadelphia, Pa. Secretary

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- (r) Chemistry Department,
  - Stanford University, Stanford, Calif. Graduate Student

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#### YAMANE, George M. '46 (B.A.) D.D.S.

- (r) 1140 A Alewa Dr., Honolulu, T.H.
- (b) Walter Reed Army Medical Center, Institute of Research, Washington 12, D.C.

Dental Research

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  - Philadelphia 44. Pa.

Principal Emeritus, Germantown Friends School

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- (r) 3422 Midvale Ave., Philadelphia 29, Pa.
- (b) Girard Trust Corn Exchange Bank, Broad & Chestnut Sts., Philadelphia 2, Pa.

Trust Officer

#### YODER, Leonard E. '28 (B.A.)

- (r) 51 Waving Willow Dr., Dayton 9, O.
- (b) Jam Handy Organization, Talbott Bldg., Dayton, O.

Account Executive

#### YORK, Harold Q. '17 (B.A.)

- (r) Unadilla, N. Y.
- (b) York Modern Corp., Unadilla, N. Y. Manufacturer

#### YOST, Russell R., Jr. '39 (B.S.)

- (r) 1825 E. Palo Verde Dr., Phoenix, Ariz.
- (b) Motorola Research Lab., Phoenix, Ariz.

#### Radio Engineer

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(r) 114 Clinton St., Brooklyn 1, N. Y.

(b) Carter, Ledyard & Milburn, 2 Wall St., New York 5, N. Y. Lawyer

YOUNG, Robert K. '53 (B.A.)

(r) 1165 5th Ave., New York 29, N. Y.

Law Student

YOUNG, Walter A. '06 (B.A.) LL.D.

(r) Baldwin, Kan.

(b) Baker University, Baldwin, Kan. College Professor

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(r) 77 W. Hillcrest Ave., Havertown, Pa.

(b) Indemnity Insurance Co. of North America, 1600 Arch St., Philadelphia, Pa.

Insurance Underwriter

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(r) Pendle Hill, Wallingford, Pa.

Farmer

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(b) Oregon State Dept. of Education, Chiloquin, Ore. Education

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(b) E. I. duPont de Nemours & Co., Wilmington 98, Del. Director, Haskell Laboratory

ZEREGA, John W. '17

(r) 816 Hillside Ave., Plainfield, N. J.

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(r) 235 Waverly Rd., Wyncote, Pa.

(b) Zerrer -Bradley Co., 1201 Race St., Philadelphia 7, Pa. Manufacturer

ZERRER, John G. '51 (B.A.)

(r) 69 Chester Circle, New Brunswick, N. J.

(b) Provident Mutual, 4601 Market St., Philadelphia, Pa. and Hamilton Bldg., Red Bank, N. J.

Life Insurance Salesman

ZIEBER, Eugene R. '10

(r) 304 Highway, Riverton, N. J.

ZIEGLER, Howard E., Jr. '41 (B.S.)

(r) 7604 Monmouth Ave., Margate, N. J.

(b) Rock Wool Insulating Co. of N. J., Ohio & Murray Aves., Atlantic City, N. J.

Partner

ZIMMERMAN, Thomas C. '50 (B.A.)

(r) 313 Maple Valley, Houston, Tex.

(b) David C. Bintliff & Co., Inc., 812 Rusk, Houston, Tex.

Mortgage Loan Counselor, Insuranceman

ZINTL, Albert B. '33 (B.A.)

ZISK, Betty Hershberger '53 (M.A.)

(r) 2102 Belvedere Blvd., Silver Spring, Md.

Housewife

ZOOK, Allan '21 (B.S.)

ZOOK, Lester Martin '29 Ph.D.

(r) Colonia Resumideno, a/c Julio Valerio,

Los Naranjos, Ver., Mexico
(b) Presbyterian Board of Foreign Mis-

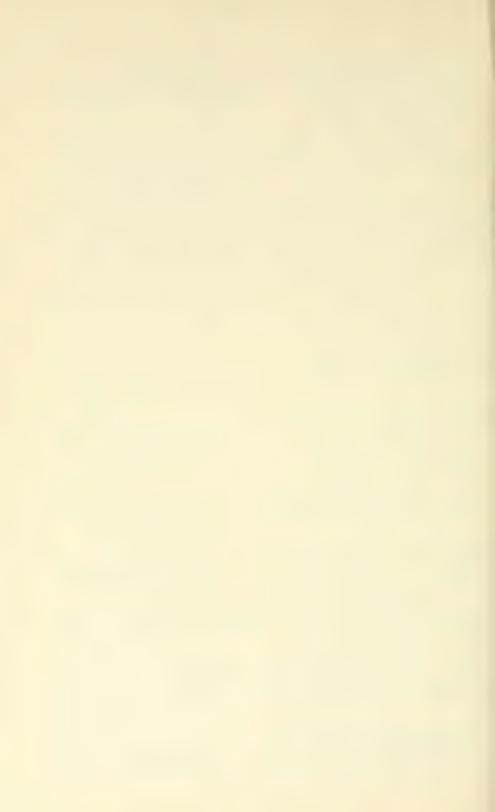
sions in Ecumenical Mission, 156 Fifth Ave., New York 10, N. Y. Agricultural Missionary

ZWEIFLER, Andrew J. '50 (B.A.) M.D.

(r) 483rd Tactical Hospital, FEAF, APO 75, San Francisco, Calif. Doctor

ZWEIFLER, Nathan J. '48 M.D.

(r) 1221 Westport Rd., Ann Arbor, Mich.



### CLASS LIST

Names arranged alphabetically according to Classes.

#### 1882

Randolph, E.

#### 1885

Reeve, W. F.

#### 1886

White, W. W.

#### 1887

Chillman, E. F. Goddard, H. Strawbridge, F. H.

#### 1888

Takaski, K.

#### 1889

Dunton, W. R., Jr. Thompson, F. E.

#### 1890

Cottrell, C. T. Steere, J. M. Tatnall, R. R.

#### 1891

Coale, C.
Mekeel, D. L.
Mitchell, J. T.
Strawbridge, R. E.
Valentine, G.

#### 1892

Blair, A. W. Collins, M. P. Davis, H. L., Jr.
Hart, W. M.
Hoopes, A.
McAllister, F.
Muir, J. W.
Palen, G. J.
Parrish, M.

Yarnall, S. R.

#### 1893

Bechtel, H. O. Hoag, C. G. Reeves, F. B. Sensenig, B. Taylor, J. G. Wescott, E. M. Woolman, E.

Busselle, A.

#### 1894

Conard, H. S. Dean, G. B. Farr, C. B. Green, K. S. Hughes, J. E. Ristine, F. P. Shoemaker, B. H., II

#### 1895

Brown, S. H. Conklin, F. H. Supplee, W. W. Tatnall, S. A.

#### 1896

Coca, A. F. Lester, J. A. Wood, L. H.

#### 1897

Barns, J. B. Chalfant, T. M. Field, E. Fisher, W.
Hoffman, B. R.
Howson, C. H.
Levett, W. M.
Rhoads, W. G.
Thomas, E.

#### 1898

Cadbury, W. W.
Gilpin, V.
Haines, J. H.
Lee, M. M.
McGrath, F. S.
Morgan, S. R.
Stadelman, F.
Strawbridge, F. R.
Swan, F. A.
Wilson, R. N.
Wistar, T.

#### 1899

Battey, W. A. Lycett, E. H., Jr. Morris, J. P. Petty, H. C. Wilson, L. R.

#### 1900

Allen, C. J.
Cope, F. R., Jr.
Drinker, H. S.
Eshleman, F. M.
Hallett, H. M.
Marshall, M.
Mifflin, S. W.
Sensenig, H.
Sharpless, F. C.
Tatnall, A. G.
Taylor, E. B., Jr.
Taylor, J. M.
White, W. W.

#### 1901

Allen, C. F. Brown, E. Y., Jr.

Bullinger, H. V. Cadbury, W. E. Carey, C. C. De Armond, J. K. Dewees, L. Freeman, A. E. Kirkbride, W. H. Langfeld, H. S. Mendenhall, W. O. Meredith, C. O. Neilson, W. L. Scholey, H. W. Sharp, F. W. Winslow, J. L.

#### 1902

Barclay, J. J. Cary, C. R. Dennis, W. V. Ervien, C. R. Evans, C. Evans, E. W. Gummere, R. M. Inumaru, T. Johnson, C. Jones, H. G. Jones, S. P. Longstreth, W. C. Malone, L. Nicholson, P. Ross, R. J. Scattergood, H. A. Schrag, A. D. Seiler, C. L. Stone, J. L. Stork, C. W. Trout, E. E. Wood, A. C., Jr.

#### 1903

Cadbury, H. J.
Davis, C. W.
Dean, A. G.
Drinker, J. B.
Eshleman, U. M.
Hollingsworth, J. E.
Hoskins, H. M.
Kelsey, C. W.
Rabinowitz, E. N.
Simkin, R. L.
Tilney, I. S.
Trueblood, H. M.
Winslow, F. R.

#### 1904

Andrew, F. V. W. Brinton, H. H. Burgess, D. L. Charles, J. W. Crowell, A.

Haig, C. Helbert, G. K. Hilles, W. T. Kimber, W. M. C. Lester, B. Lindley, L. Morris, C. C. Morris, H. H. Owen, C.R. Powell, W. M. Schabacker, H. M. Stokes, J. M. Thomas, J.R. Thorn, H. N. West, E. P. Wills, W. M. Withers, S. C.

#### 1905

Bales, T. M. Boher, S. M. Bushnell, C.S. Cookman, H. H. Cox, H. G. Downing, T.S. Eshleman, B. Hopkins, A. H. Jones, P. Libby, R. G. Peirce, E. C. Priestman, G. Reagan, W. J. Ritts, E. Slonimsky, H. N. Spaeth, S. Stein, H. K. Teller, C. J. Thomas, H. P.

#### 1906

Carson, W. Crowell, T. Ewing, J. M. S. Graves, G. H. Harvey, T. P. Hopper, H. B. Kennard, W. Lindsay, W. G. Maloney, J. Morris, F. B. Nauman, S. G. Philips, J. D. Pleasants, H., Jr. Schweyer, D. H. Scott, R. Shortlidge, R. J. Smiley, A. K. Stratton, J. A. Tunney, J. J. Young, W. A.

#### 1907

Barr, K. J. Cadbury, R. Comfort, G. B. Croll, W. L. Eldridge, W.S. Evans, H. Godley, F. D. Gummere, S. J. Haines, W. H. Hood, L. E. Jones, E. F. Magill, J. P. Mitchell, H. Morton, A. B. Padín, J. Ricks, R. A., Jr. Tatnall, E.R. Terrell, C. C. Warner, A. N. Windle, W. B.

#### 1908

Baily, F. C. Brown, C. T. Burtt, H. Carroll, D. D., Sr. Clement, J. B., Jr. Collings, C. C. Desmond, T. C. Drinker, C. K. Edwards, E. A. Elkinton, J. P. Emlen, G. W., Jr. Ervien, R. Guenther, J. J. Hill, T.R. Hobbs, A. W. Kurtz, W. W. Leonard, A. C. Linton, M. A. Longstreth, T. M. Merrick, T. B. Morriss, W. H. Pearson, H. G. Petry, L. C. Rogers, C. H. Sargent, W., Jr. Scott, C. F. Shoemaker, W. R. Sidwell, W. Smiley, H. Stribling, W. C. Strode, G. K. Troth, J. T. Whitson, W. W. Woodard, R. C. Wright, E.

#### 1909

Brey, R. N. Bryne, A.

Cope, J. .Crowell, J. W. Doak, H. A. Dodge, B. L., Jr. Fay, P. B. Febiger, W.S. Hamilton, F. C. Hill, A. J. Kitchen, P. C. Loewenstein, S. Lutz, H. M. Marsh, C. E. Martinson, C.G. Miller, P. VR. Moore, L. C. Morris, G. W. Mott, R. H. Pennypacker, J. W. Phillips, D. L. Ramsey, F. M. Ryan, T. A. Spiers, M. H. C. Stetson, J. V. Stokes, J. W. Thompson, C. B. Underhill, R. L. M. Warner, W. W. Watson, M. H.

#### 1910

Allinson, E. P. Barrett, L. H. Boyce, W. T. Bryant, E. Cadbury, E. S. Cary, D. B. Clark, T. N. Coates, S. H. Crow, H. E. David, E. W. Develin, J. C. Edwards, E. N. Eltse, R. R. Eshleman, R. M. Frutchey, C.A. Furness, H. A. Gheen, E. P. Haines, C. A. Hires, H. S. Hutton, A. W. Kenderdine, J. D. Kerbaugh, G. A. Langsdorf, J. M. Leininger, C. M. Lewis, H. C. Mason, S., Jr. Mayers, C. W. Morley, C. Morris, R. H. Noel-Baker, P. J. Palmer, W. Phillips, J. Ristine, C.S. Roberts, A.S.

Spaulding, E.R. Tomlinson, W.P. Williams, W.L.G. Zieber, E.R.

#### 1911

Ashbrook, J. Bernard, H. S. Birdsall, D. L. Boyer, D. B. Bradway, J. S. Clark, J. H. Deane, P. B. Dent, W. R. Downing, J. S. Fallon, C., Jr. Farquhar, B. Ferris, H., Jr. Gallager, H. V. Hadley, T. F. Hartshorne, W. D., Jr. Hobbs, R. J. M. Levin, E.R. Post, L. A. Price, J. H. Reynolds, D. D. Schoepperle, V. Shero, L. R. Smith, G. Taylor, H. G., Jr. Wadsworth, C. Wilbur, W. H. Winslow, C. Worthington, H. Young, A.S.

#### 1912

Young, W. J.

Baily, A. L., Jr. Baily, J. L. Balderston, M. Beebe, S. K. Biedenbach, A. L. Bowerman, A. L. Brewer, P. C. Brinton, E. G. Brownlee, J. A. Falconer, D. P. Ferris, L. W. Froelicher, H., Jr. Garner, R. L. Graham, W. F. Hoffman, S. V. V., Jr. Howard, H. Hunt, C. M. Latham, L. B. Longstreth, W. W. Lowry, H. M. Miller, E. I. Miller, R. E. Moon, C. T. Morris, S. S.

Parker, J. H.
Poley, I. C.
Rhoad, K. A.
Ritts, L. C.
Roberts, W. H., Jr.
Shipley, T. E.
Smiley, F. G.
Smith, L. M.
Steere, W. H.
Sturgis, S. B.
Thomas, H. M., Jr.
Votaw, G. J.
Wallerstein, E.
Wetzel, C. H.

#### 1913

Beatty, J. M. Brown, P. H. Crowder, W.S. Curtis, F. A. Darlington, C. G. Diament, F. H. Froelicher, F. M. Gifford, P. C. Goddard, A. H. Hadley, L. N. Hall, N. F. Hare, W. Y. Hires, C. E., Jr. Howson, R. Kirk, E. T. Kojima, E. M. Kurtz, H. K., Jr. Longstreth, W. C. Ludlam, J. D. Lycett, T. W. McConnell, W.M. Meader, S. W. Mendenhall, L. H. Montgomery, G. Nicholson, H. V. Offerman, H. C. Peaslee, F. A. Pickett, S. C. Porter, O. M. Redfield, A. C. Stieff, F. P. Stinson, J. E. Taylor, G. K. Taylor, N. H. Thomas, L. R. Van Sickle, J. V. Watson, J. N. Webb, W. Weber, G. M. Wilder, N. M. Winslow, E. F. Winslow, G. L. Wood, A. J.

#### 1914

Bell, H. E. Bentley, J. S.

Bowerman, W. G. Champlin, C. D. Clarke, S. P. deSabran, L. B. L. Downing, G. V. Edgerton, C. W. Elkinton, A. W. Elkinton, T. W. Ferguson, J. C. Finestone, L. Garrigues, J. K. Green, J. P. Jones, E. M. Lane, H. M. Locke, R. A. McKinley, R. P. Miller, H. S. Moore, P. W. Parker, D. L. Patteson, W.S. Philips, R.S. Richardson, B. K. Russell, C. Sangree, P. H. Schoepperle, R. Seckel, H. W. Smith, R. C. Stokes, F. C. Stokes, S. E. Stout, J. A. Thomas, L. V. H. Tomlinson, T. Trueblood, C. K. Waples, D. Williams, C.R.

#### 1915

Allen, P. R. Baird, D. G. Beye, E. C. Blair, J. I. Bowman, E. M. Carey, G. C. Coleman, N. B. Crosman, E. N., Jr. Egolf, P. H. Falconer, C. Farr, E. L. Gummere, J. W. Hallett, G., Jr. Harvey, A. Helveston, H. W. Hoopes, T., Jr. Howson, H. A. Kaleel, M. J. Kling, E. W. Leland, W. H. Locke, L. D. McCracken, H. L. McNeill, J. Moore, E. L. Morley, F. M. Shaffer, E. L. Tang, M.

Taylor, K. P. A. Turner, C. B. Van Hollen, D. B. Vail, W. E. Votaw, E. N. Weikel, M. H. Whipple, P. K. White, W. A.

#### 1916

Bangham, R. V. Buffum, F. C., Jr. Carey, J. Cary, F. W. Cooper, J. A. Corson, B. L. Dunlap, G. A. Ellison, J.S. Faries, W. R. Garrigues, A. G. Hannum, W. T. Heaton, L. G. Hunter, P. A. Johnson, H. A. Kendig, R. C. Kirk, W. T. Knight, C. P., Jr. Kuhns, J. Leidy, P. L. Love, J. G., Jr. Lukens, E. F. Marine, J. S. Martwick, W. L. Moon, E. R. Oberholtzer, C. H. Sharpless, F. P. Stokes, J., Jr. Thiers, F. H. Wendell, D. C. Winslow, O. P. Wood, J. D. Woodbridge, R. L.

#### 1917

Ayusawa, I. Bacon, L. S. Baily, W. L., Jr. Brodhead, B. Brown, C. F. Brown, E. L. Burket, J. W. Buzby, J. H. Chamberlin, W. H. Chandler, D. Clement, D. C. Crosman, W. M. R. Dam, C. Dam, L. Darlington, W. M. Forsythe, J. G. Gardiner, W. J. Gibson, R.

Greene, J. W., Jr. Haines, R. B. Hall, A. W. Hill, H. W. Howland, W. Inman, A. C. Jones, H. L. Laverty, M. A. Lawrence, E. F. Little, W. C. Ly, J. U. Marshall, F. O. McKinstry, H. E. Metcalfe, R. D. Miller, R. B. Mitchell, K. S. Moore, G. H. Morris, F. H. Napier, A. H. Painter, D. H. Paxson, N. F. Penney, H. L. Price, E. T. Ramsey, L. M. Sangree, C. M. Schoch, W. D. Schoepperle, H. V. Spaeth, J. W., Jr. Spellissy, A. E. Strawbridge, J. C. Weston, E. M. Wilson, F. S. York, H. Q. Zerega, J. W.

#### 1918

Alexander, J. W. Arnold, H. H. Barrie, R., Jr. Beeson, J. H. Bell, H. H. Cooper, B. S. Crosman, J. M. Curtis, S. Deacon, F. Dewees, A. H. Gilmour, N. Greer, R. B. Hallett, H. M., II Harding, W. H. Hartman, L. E. Hayman, J. M., Jr. Hisey, J. A. Hynson, M. M. Keay, L. K. Kendall, J. W. Kerbaugh, M. D. Koons, H. W. LeClercq, J. G. Lusson, L. C. O. Moore, R. W. Mussetter, W. M. Nevin, W.S. Painter, H. J.

Porch, W. R.
Porter, E. A. G.
Reeve, A. H., Jr.
Schenck, H. P.
Sharp, J. W., III
Shipley, M. S.
Stanley, J. B.
Stief, D. R.
Taber, J. C.
Tatum, O. P.
Thacher, J. W.
Thornton, P. S.
Thorpe, E. S., Jr.
Tomlinson, A. H.
Townsend, A. J.

#### 1919

Barlow, J. Brockelbank, W. J. Chapman, H. Corson, P. L. Day, G. B. Dunn, T. P. Earnest, F. M., Jr. Goodhue, F., III Graves, E. B. Haines, H. S. Hall, A. D. Hartshorn, G. B. Hartshorne, C. Hastings, W. F. Haworth, E. B., Jr. Haynes, J. S. Hoffman, W. A., Jr. Hubler, G. H. Huston, S. Limeburner, F. H. McConnell, T., III Moock, R. F. S. Morley, F. V. Oliver, A. D. Pancoast, C. E. Philips, J. E. Price, R. B. Schrope, J. J. Shipley, W. P., Jr. Stair, P. W. Strawbridge, F. H., Jr. Sutton, C. M. Taylor, H. D. Thomas, C. S. Thorpe, E. H.

#### 1920

Brecht, H.
Brodhead, T. B.
Campbell, F. L.
Carus, H.
Cochran, J. S.
Collins, B.
Crowther, P. C.
Edmonds, J. B.

Elder, L. W., Jr. Elkinton, H. T. Fitts, J. R. Flanders, D. A. Geckeler, E. O. Goto, I. Gucker, F. T., Jr. Harris, Pierson, P. Hill, H. P. Kamsler, M. A. Kearney, T. H. Kimber, T. King, J. B., Jr. Knowlton, A. D. Leuba, C. J. Lobaugh, H. Lycett, I. C. Maury, J. M., Jr. Miller, E. C. Jr. Morris, T. E. Mullin, J. T. Oliver, K. S. Petry, R. L. Phelps, C. E. Porter, R. R. Reese, J. D. Rogers, J. E. Rollins, C. J. Silver, F.S. Smith, E. L. Smith, J. H. Smith, R. B. Spencer, H. F. Stubbs, T. H. Sutton, J. E. Tatnall, H. R. Toogood, G. Van Sickle, S. C. Wilcox, W. W. Williams, J. S. Wood, R. R. Worrell, G.

#### 1921

Abele, A. M. Arrowsmith, H. W. Atkinson, R. Babb, J. J. Baker, J. M. Barlow, T. B. Bigelow, H. C. Brinton, C. A. Brodhead, R. S. Brown, E. L. Brown, E. W. Caskey, P. H. Cawl, M. A. Coder, W. D. Cooper, E. N. Donchian, P. Dowlin, C. M. Ewan, S. N., Jr. Fansler, T. Gebauer, G. J.

Hacker, R. C. Haines, E. C. Hastings, A. W. Heilman, E. B. Henderson, H. C. Hoopes, J. R. Hurwitz, B. L. Jebb, W. T. Jones, J. B. Klaren, J. H. Kumm, H. W. Leonard, J. W. Long, J. S. Macadam, J. MacIntosh, A. McCulloch, W. S. McKinley, M. C. Mengert, W. F. Miller, J. D. Miner, E. D. Mitchell, J. J. Molitor, R. L. Nicholson, A. Nock, S. A. Ohl, R. T. Peet, H. O. Powell, A. A. Richardson, H. T. Roberts, G. Rogers, A. E. Sangree, M. H. Ufford, C. W. Weatherby, B. B. Weigand, W. F. Wilbur, B. H. Willson, D. H. Wood, R. N. Zook, A.

#### 1922

Abbott, C. D., Jr. Arrowsmith, N. Attlee, C. B. Barker, J. B. Braddock-Rogers, K. Brown, A. Carey, A. M., Jr. Emigh, C. P. Fraser, H. S. Grigg, H. M. Gummere, J. F. Hall, P., Jr. Hallock, J. Heilman, W. B. Hendricks, W. C. Hilleman, G. A. Janney, R. W. Jones, E. B. Kay, D. A. Klemm, R. A. Kuhns, B. H. Lane, D. R. MacCallum, W. H. Marvin, G. L.

Matzke, R. R. McDaniel, D. Miller, F. S. Miller, V. O. Milner, A. W. Montgomery, T. R. Morris, E. P. Muench, A. G. Nakane, S. Paxson, C. G. Perry, F. N. Pfund, H. W. Reiter, J. H. Reitzel, W. A. Rhoads, W. L. Sagebeer, R. G. Pfund, H. W. Sangree, N. B. Sidel, J. E. Silver, W. E. Snader, C. M. Sutton, R. M. Tatnall, T., Jr. Taylor, E. A. Thompson, E. J. Walton, K. B. Wiley, R. Wirt, P. D. Wise, M. R. Wright, J. C. Zerrer, E.

#### 1923

Allen, R. G. Bacon, W. W., Jr. Borton, J. C. Brown, H. T., Jr. Buck, A. S. Carpenter, H. W. Chapman, J. C. Dennett, C. Farrar, H. C. Fay, J. W. Fisher, G. D. Flint, F. P. Flowers, F. S. Fry, G. C. Gillespie, S. G. Grimes, G. R. Guthrie, F. W. Hamilton, W. H. Haviland, E. K. Heyer, C. D. Heyne, I. C. Himes, R.S. Hoag, G. S. Holmes, L. Hubbard, H. J. Huffman, G. C. Hunsicker, W. C., Jr. Nash, C. E. Hutkin, M. Jones, W. R. Knowlton, S. B. Leeds, R. W. Lewis, A. L.

Logan, T. M. Lyon, J. L. Martin, L. D. Morris, M. C. Morss, F. C., Jr. Mutch, T.S. Nesbitt, R.S., Jr. Parke, T. Pruitt, D. M.
Rutt, N. E.
Schultz, R.
Scott, K. S.
Shoemaker, B., III
Stevenson, J. B.
Strawbridge, G. W.
Strayer, C. B.
Taylor, M.
Test, A. L.
Wagenseller, W. W.
Waln, R. L.
Warner, C., Jr.
Warriner, F.
White, N. A.
Wilbur, H. J. Pruitt, D. M. White, N. A. Wilbur, H. L. Williams Williamson, A. J. Wilson, G.

#### 1924

Bader, C. F., Jr. Beideman, C. M. Blair, J. F. Brinton, C. B.
Brinton, H. P.
Carpenter, D.
Carson, J. S. Cauffiel M. Comfort, H. Ellis, T. S. Fetzer, W., Jr. Fisher, J. M., Jr. Fite, G. L. Foulke, E. Foulke, E.
Frazier, C. H.
Greenwell, H. D.
Hand, W. H.
Harnwell, G. P.
Haviland, P. R.
Headly, J. F.
Heilman, W. M.
Herrick, C. J.
Hogenauer, H. J.
Howland, J. G.
Jefferis, W. H. Jefferis, W. H. Lee, R. H. Margolis, A. Mead, M. W., Jr. Morris, L. N. Mullin, A. Patterson, E. B. Payne, H. C. Rhoads, P. G. Rich, J. F. Roedel, G.

Rosskam, E. B. Sadtler, G. L. Sadtler, L. R. Smith, J. B., Jr. Tai, E. S. Taylor, L. N. Turner, G. M. Van Tine, E. P. Van Zandt, H. Walker, E. T. Walton, W. W. West, W. N., III Wilbur, D. E. Wood, H. C., III

#### 1925

Acton, C. B. Balis, O. W. Ball, E. G. Barton, F. C., Jr. Bates, R. C., Jr. Bayer, W. L. Bentley, W. D. Billo, G. Chadwick, L. E. Douglas, L. C. Eiseman, D. W. Eiseman, J. A. Eshleman, M. Fortescue, F. A. Garrett, T. C. Gordy, E. L. Haines, C. W. Heilman, H. R. Hinrichs, w. — Hollingshead, I. House, H. F. Hulme, A. P. Johnson, P. Johnston, A. Kumm, K. G. Laug, E. P. Lord, D. L. Montgomery, H. Muller, F. F. Newman, W. W. Nicholson, J. T. Oliver, R. H. Pech, H. S., Jr. Pittman, C. V. A. Prokosch, F. Reinhardt, D. J., Jr. Rhoads, O. B. Rogers, W. D. Sassaman, W. R. Schulze, J. L., Jr. Sellers, C. Silver, J. A. Smith, R. F. Stifler, F. McI. Stokes, W. P. Stone, W. M.

Strong, H. H.
Taubel, L. E.
Taylor, H. B.
Thomas, G., IV
Thomas, R. N.
Tingley, C. L.S., Jr.
Warfield, B. B.
Watson, J. R.
Willey, S. E.
Wright, A.
Yerkes, H. A.

#### 1926

Ale, F. H. Baker, D. G. Baldwin, S. F. Barry, R., II Borton, H. Buck, A. E. Busselle, A., Jr. Calkin, J. B. Campbell, F. F. Carman, A. R., Jr. Carter, S. R. Curtis, F. O. Evans, H. C. Garrett, P. C. Gilmour, A. Greene, C. H. Greer, C. A. Gross, G. C. Haines, M. C. Haines, R. L. Hannum, E. P. Harper, S., Jr. Hartman, D. F. Hatcher, R. L. Haviland, H. G. Hibberd, I. L. Huber, W. M. Hunsicker, H. H. Hurd, P. Jackson, W. G. Johnston, J. A. Joly, J. D. Kingsbury, E. H. Lamberti, V. A. Leary, W. M. Leeds, W. M. Lewis, D. C., Jr. Lowry, B. H. MacGowan, H. T. Maguire, W.T. Marshall, J. H. Mead, W. E. Miller, J. R. Miller, M. M. Miller, R. C. Monroe, H. C. Morss, W.S. Nock, F. J. Perring, H. B. Pitter, O. C. Richie, R. H.

Rodell, F.
Sassaman, P. L.
Shank, C. E.
Sumwalt, C. E.
Tatnall, C. R.
Theobald, B. F.
Vansant, J. A.
Wagner, A. R. S.
Wood, E. S., Jr.

#### 1927

Albert, W. H. Allen, A. J. Armstrong, S. A. Baker, J. W. Banks, G. T. Bates, H. E. Bayles, M. W. Benham, W. S. Biddle, J. H. Clement, C. A. Compter, H. E. Cook, S. Coxe, D. M. David, L. S. Emery, N. M., Jr. Fay, A. B. Forsythe, J. E. Fowler, A. V. Gilson, W. E. Gott, J. R., Jr. Grover, W. O. Haines, C. W. Halstead, G. B. Heller, J. L. Hoskins, S. A. Huelle, W. E. Lester, W. L. G. Middleton, A. R. Miller, I. W. Ohl, P. W. Olinger, C. A. Powell, A. G. Renninger, G. H. Rhoads, C. E. Rorer, H. C. Rüdiger, F. Sanders, F. Sargent, S. S. Saudners, W. W. Sawtelle, E. B. Scarborough, W. Silver, A. W. Smith, I. B., Jr. Thompson, C. R. Totten, W. B. Vogel, C. S. Webster, W. F. White, P.

#### 1928

Alcorn, J. W., Jr. Armstrong, W. H.

Beatty, J. C., Jr. Berlinger, C. F. Bready, W. R., III Bull, R. C. Burgess, F. M. Choate, E. C. Cretty, L. A. Davis, R. S. Dunham, J. N. Etnier, S. M. Evans, J. T. Fitzsimmons, J. O. Flint, E. D. Fox, C, K. Fox, W. A., Jr. Gruber, W. J. Hallock, A. B., Jr. Hetzel, T. B. Hillier, R. L. Hogenauer, N. J. Hollander, E. D. Horton, A. F. Hunsicker, J. Q., III Keith, J. A. H., Jr. King, J. McL. Lane, R. T. McConaghy, J. S. McEntee, M. Melchior, O. W. Minnich, R. F. Mitchell, J. E. Moffett, J. McK. Morrison, S. B. Murphey, H. S. ' Nichols, A. L. Nimmo, P. W. Renwick, E. H. Rex, J., Jr. Rhoads, J. E. Richardson, I. H. Richie, D. W. Richter, L. F. Robinson, C. A. Rowe, J. C. Seeds, O. J. Shank, R. L. Sheaff, P. A., Jr. Smith, F. W. Stevens, E. B. Stokes, J. T. Tassi, L. A. Tatum, C. M. Taylor, H. F. Thomas, A. C., Jr. Vanneman, T. H. A. Whiting, T.S. Whittelsey, T., Jr. Wistar, R. Woll, J. W. Yoder, L. E.

#### 1929

Alsop, W. K., Jr. Baker, T. E.

Beard, W. L. Bevan, D. C. Bishop, J. A. Blancke, W. W. Bomhoff, C. B. Briggs, F. K. Brinton, S. T. Brown, R. C. Carr, J. D. Cary, E. S., Jr. Chapin, H. J. Collison, C. H. Cooper, J. R. Corson, C. L. Cunningham, R. M. Dohan, F. C. Downward, J. G. Ensworth, H. K. Folwell, N. T. Fox, J. P. Garrett, G. S. Gawthrop, T. C. Hamilton, C. M. Hartman, J. G. Hawthorn, A. S. Hedley, D. H. Hemphill, E. H. Hicks, H. M. Hoopes, W. R. Hunner, J. S. Jameson, F. C. E. Johnson, G. W. Jones, H. M. Kingham, K. E. Lane, W.S. Leeds, K. B. Lemere, F. Lewis, D. D. Liveright, A. A. MacNamee, J. E. Maier, J. S. Marshall, J. T. Mawhinney, A. Mellor, A. Michener, J. H. Miller, R. L. Murray, K. N. Perera, L. C. Ralph, A. B. Rhoads, G. A., Jr. Rodell, J. Rodenbaugh, T. T. Rorer, G. F. Scott, J. C. Sharpless, F. W. Smith, E. C. Sondheim, W., Jr. Speck, D. J. Standring, J. M., Jr. Sullivan, R. C. Supplee, H. Swift, W. E. Test, D. D., Jr. Tripp, B. H. Urban, R. G. Ware, A. H.

Wilt, H. L. Wright, F. H. Zook, L. M.

#### 1930

Abernathy, B. S. Atkinson, R. D. Betz, G. W. Blackburn, J. Blackman, J. L., Jr. Blair, B. F. Blair, W. R. Bloom, R. L. Brinton, A. H. Brown, J., IV Bruegel, T. W. Bullen, V. E. Buxton, D. R. Cocheu, L. C. Crowell, H. E. Dothard, R. Drake, H. N., Jr. Durham, J. R. Egmore, F. A. Evans, T. Ezerman, W. Feidt, J. T. Frazier, W. D. Hagedorn, J. J. Halberstadt, R. L. Hanna, W. C. Hill, A. T. Hussey, F. K. Hymes, J. D. Jones, J. P. Lindsay, F. W. Martin, J. W. Martin, P. T. Masland, W. M. Maxfield, C. N. McConnell, I. W. Miller, C. W., Jr. Miller, J. L. Milliken, A. D. Morris, B. H. Morris, J. H., Jr. Morris, T. H., III Murray, N. L. Mussey, J. B. Norr, M. Olton, R. M. Partington, J., Jr. Pretzfeld, W. W. Reed, J. H. Richie, D. S. Robelen, W. G., III Rosewater, E. Rowell, H. B. Rudge, W. E. Rudrauff, C. R. Shirk, N.S. Smiley, D. Spelt, D. K. Stiller, E. W.

Stone, J. F.
Supplee, A. I.
Swan, F. W.
Taulane, E. G., Jr.
Turner, J. A.
Vaux, G.
Watson, W. G.
Westermann, T. H.
Whitlock, W.
Wickersham, W. H.
Wistar, T., Jr.
Wriggins, T., Jr.

#### 1931

Amerman, L. Appasamy, J. B. Arthur, M. A. Baker, R. C. Barnhurst, H. G. Blyth, J. W. Browne, R. D. Buffington, H. O., Jr. Burger, J. W. Burns, T. E., Jr. Butler, J. G. Cadbury, W. E., Jr. Cameron, C.S. Chu, Y. K. Clements, D. L. Conn, S. H. Crane, M. L. Crawford, A. R. Edgar, G. B. Edgar, R. F. Egolf, K. H. Emlen, J. T., Jr. Farr, F. W. E. Farr, R. L. Feroe, R. A., Jr. Gabriel, R. W. Gage, L. H. Gibson, D. L. Golding, J. T. Gray, J. H., Jr. Gresimer, J. D. Harvey, T. B. Henry, C. M. Hiatt, B. C. Houston, J. M. Jessop, J. P. Katz, K. R. Keech, R. M., Jr. Lawrence, J. G. Levin, M. J. Litchfield, W. N. Maier, W. M. Mann, A. S. Mansell, E. H. Martin, L. Masland, R. L. Maxwell, R. E. Mekeel, A. J. Newton, J. Peck, F. W. G.

Pennypacker, C.S. Ray, W. W. Reisner, H. W. Rich, R. H. Richardson, F. MacD. Rogers, G. P. Saint, E. C. Schamberg, I. L. Schilpp, E. A. Schopbach, C. A. Shane, H. P. Shaw, P. B. Shippen, E. R., Jr. Speakman, E. A. Speller, F. N., Jr. Tabakin, J. K. Teller, W. M. Urban, J. T. Walmsley, J. E. Walter, T. B. Weiringer, I. M. Weyl, N. Wills, J. B. Wills, J. H. Wilson, E. M. Wilt, G. C.

#### 1932

Allen, R. F. Allendoerfer, C. B. Ayres, W. H. Bacon, G. R. Bailey, H. H. Baker, W. C. Ballard, H. W. Bijur, H. Brinton, W. F. Cadbury, J. M. Conner, J. W., Jr. Cordray, D. P. Crozer, G. K., III David, G. De Laguna, W. Dothard, W. I., Jr. Eckert, N. S. Elkinton, J. R. Engle, R. F., Jr. Fay, L. E. Feroe, M. L. Ferris, P. L. Fields, H. Foley, G. P. Fox, W. T. R. Gaskill, H. S. Gerenbeck, G., Jr. Gibbs, O. Goodridge, J. N. Gummere, F. B., III Haines, C. R. Hartel, J. N. Hoag, J. H. Hollander, D. H. Houston, N. R. Hunt, S. A.

Irion, H. G. Jopson, H. G. M. Katzenbach, H. H., Jr. Kohn, L. Kretschmer, A. H., Jr. LaDue, J. B., Jr. Lawrence, P. V., II Longaker, D. R. Loomis, E. G. McKinley, A. Miller, W. E. Moore, D. S. Morgan, R. H. Osgood, E. C. Parker, B. Potts, T. I. Powell, W. W., Jr. Pusey, W. W., III Read, K. E. Rhoads, J. H. Roberts, A. S. Rudge, F. G. Schramm, H. J. Scudder, W. M. Settle, J. W., Jr. Sipple, W. V., Jr. Smiley, A. K., Jr. Smith, F. J. Stockwell, M. C. Street, D. M. Strickler, C.S. Strong, A. H. Succop, A. C. Tabakin, E. A. Tarazi, W. Taylor, J., II Wagner, P. V. Walton, F. R. Watkins, J. R. Webb, E. R. Wertime, R. M. Woodward, R. S., III Wray, W. D. Zapp, J. A., Jr.

#### 1933

Abbe, G. Andrews, E. J. Andrews, J., Jr. Bachmann, E. T. Baker, C. P. Battey, W. A., Jr. Blanchard, E. M. Borgstedt, D. Byerly, J. L. Carr, E. A. Clough, H. T., Jr. Craigh, E. E., Jr. Daub, W. B. Dawber, T. R. DeMotte, W. P. Dugdale, H. K. Fite, F. K. Frank, C. E.

Fuges, F. L. Gage, D. Gilbert, H. B. Godley, P. Graham, J. R. Green, L. S., Jr. Gulbrandsen, S. T. Hager, H. B. Haines, J. G. Hansen, H. L. Hardham, W. L. F. Hazard, J. W. Hodgkin, P. H. Hogenauer, I. R. Howard, C. A. Hunsicker, F. G. Jacobs, C.S. Jones, F. P. Jones, W. W. Kelsey, R. W. Kerslake, Y. H. Lentz, B. V. Masland, J. W. McMahon, J. F. Merryman, M. Moos, E. A. Pelouze, H. P., Jr. Pickard, H. B. Rice, G. Russell, W. H. Sargent, J. R. Scarborough, H. W., Jr. Scattergood, A. G., II Scattergood, H. Singer, C. G. Smith, W. B., Jr. Stanton, J. N., Jr. Stokes, W. H. Stoudt, J. J. Strawbridge, F. R., Jr. Thompson, R. W. Thompson, R. C., Jr. Trenbath, G. S. Trenbath, P. S. Tripp, W. L. Trout, G. B. Truex, P. E. VanDenbergh, F. A., Jr. Vaux, H. J. White, T. R., Jr. Wilson, D. L. Zintl, A. B.

#### 1934

Atmore, R. C.
Bancroft, C. M.
Barrett, C. S.
Beaven, R. H.
Bodine, H. F.
Bowen, L. H.
Brown, T. S.
Bye, G.
Colomy, R.

Downey, F. K. Dusseau, J. L. Edwards, J. S. Flaccus, L. W., Jr. Frazer, G. V. Fultlz , J. M., II Gibbs, R.O. Greif, L. L., Jr. Gross, J. L., Jr. Haines, W. H., III Hammaker, E. M. Hancock, J. O. Harjes, F. H. Hart, C. W. Hassman, S. Hendrickson, E. M. Hipple, B. T., Jr. Hogenauer, E. F. Holzrichter, G. Hotz, H., Jr. Houston, R. B. Jones, H. B. Jones, R. B. Kennedy, F. L. Knight, T. M., III Leeds, J. B. Lingerman, H. A. Lockard, J. D. Loewenstein, B. S. Loomis, D. G. Lydecker, F. R. MacColl, J. A. Maxfield, W. F. McKee, R. W. Monsarrat, J. Nichol, H. J. Perkins, E. C. Pitter, C. A. Pleasants, R. R. Potts, A. W. Richardson, P. B. Richie, A. T. Rice, H. E. Rush, N. J. Russell, H. G. Scattergood, R. Schmid, E. Scilipoti, C. Siebert, F. T. Singer, A. G., Jr. Smith, B. D. Smith, J. W. Smith, W. W. Snyder, H. M. Stanley, M. W. Stork, F. W. Trimble, H. N., Jr. Tripp, E. P., Jr. Vance, D. S. White, E. C. Williams, M. Wilson, J. C. Winne, C. K. M. Woolford, S. A. Wright, F. H. Wright, W. M., Jr. Snyder, M. P.

#### 1935

Aikens, H. H.

Azpell, W. L., Jr. Bates, D. H. Bevan, H. S., Jr. Blanc-Roos, R. Bockstoce, C. M. Boggs, A. B. Bowden, W. R. Brown, C. Brown, P. W., Jr. Burnside, F. B. Butler, W., III Cadbury, B. B. Christopher, J. B. Church, J. A. Colket, M. B., Jr. Conn, C. B., Jr. Duffield, J. C. Dunn, C. B., III Dunn, D. D. Dutton, G. E., Jr. Elliott, J. H. Emlen, W. J. Eshleman, B. F., II Evans, E. M. Foerster, F. E. Griffith, R. E., Jr. Hammond, S. Harman, W. H., Jr. Haywood, J. Hires, R. W. Hollander, S., Jr. Huff, W. N. Hunsicker, R. F. Kase, J. B. Kirkland, W. G. Kunkle, E. C. Lentz, J. H. Manning, E. J., Jr. Marshall, E. W. Matlack, E. J. Matthews, J. K. McGinley, E. H. McIntyre, W. T., Jr. Mechling, W. H., II Memhard, A. R., Jr. Meserve, H. C. Miller, E. R. Morgan, V. P. Nicholson, C. T. Patten, F. F. Paul, K. E. Potter, S., Jr. Pretzfeld, A. R. Rhoads, J. B. Richie, R. W. Roberts, K. S. Rohrer, G. Rolf, F. N. Satterthwaite, D. L. Skinner, R. G. Smith, C. F. G. Smith, R. R.

Stayer, G. C. Steer, A. G., Jr. Steptoe, P. P. Stoddard, W.S. Stokes, F. J., Jr. Suffern, R. L. Tatem, W. H. Truex, J. E. Watkins, C. B. Wills, R. P. Wood, A. C., III

#### 1936

Adkins, E. D., Jr. Baird, R. W., Jr. Barrows, R. L., Jr. Barton, J., Jr. Beck, H. C. Bevan, T. R. Bookman, G. B. Braucher, R. Briggs, J., III Brous, D. W. Brown, J. A. Brown, T. D. Brown, W. R. Coogan, D. F., Jr. Corson, A. Cowles, B. T. Crawford, W. A. Curley, E. I. Diehl, J. R. Dulaney, A. S., Jr. Elkinton, D. C. Evans, F. C. Fraser, G. C. Fry, W. R., Jr. Garner, L. R. Gawthrop, R. S., Jr. Green, H. W. Huntington, H. S., III Hutchinson, R. M. Kane, A. R., Jr. Kind, S. Klevan, D. C. Lodge, H. T., Jr. Loesche, W. H., Jr. Macan, W. A., III Maier, L. B. Maxfield, D. K. McCune, D. P., Jr. McNeary, S. S. Miller, J. D., Jr. Miller, P. H., Jr. Morgan, W. B., Jr. Morris, C. C., II Morris, L. E., Jr. Most, R. C. Page, P. Parker, J. L. Parry, E. O. Parry, H. F. Paxton, H. T. Pearce, J. W., Jr.

Pearson, F. G. Peirce, J. G. Perry, C. Purvis, J. D., Jr. Sebastian, J. Sensening, W., Jr. Sharpless, T. K. Sheppard, W. E., II Sloss, J. O. Stokes, A. W. Taylor, E. M. Taylor, J. H. Thomas, G. B., Jr. Tiernan, W. F., Jr, Tomkinson, H. L. Tufts, R. W. Van Brunt, J., Jr. Vance, E. P. Vining, H. M. Weitzenkorn, J. K., II Williams, A. C., Jr. Wolf, R. B. Yearsley, C. W.

#### 1937

Alexander, R. C. Allen, C. J., Jr. Allen, W. W., III Ambler, B. Andrews, H. A. Beck, K. A. Bond, W. H. Bone, R. C., Jr. Borton, S. L., Jr. Brattan, R. F., III Brown, O. G. Brown, T. K., III Cantrell, J. A. Carr, J. G., Jr. Carson, J. R. Cary, S. G. Clayton, R. M. Condit, W. W. Cooper, R. Daile, J. A., Jr. Daudt, W. H. Drinker, H. S., Jr. Dugdale, W. M. Edwards, T. E. Engleman, H. B. French. B. H. Freund, H. H., III Frysinger, D. C. Gaines, C. Gilmour, A. W., Jr. Greif, R. L. Griswold, R. W., Jr. Gulbrandsen, H. C. Guthrie, M. C., Jr. Haberkern, R. C., Jr. Hollander, B. M. Holzer, C. E., Jr. Hoover, J. D. Hopper, H.S., II

Hunt, A. D., Jr. Hyde, B. B. Kagami, B. Kelly, R. G. Kimber, W. L. Krieble, R. H. Kruener, H. H. Kuntz, P. G. Lawser, J. J. Leibold, R. W. Lester, J. A., Jr. Linton, M. A., Jr. Lockwood, J. H. Lukens, J. B. McLaughlin, R. B. McMahon, R. H. Morgan, F. J. Nelson, W. A., II Nichols, W. .B Norris, G., Jr. Nulsen, F. E. Osmanski, J. E. Polster, W. A. Poorman, S. S. Pugh, E. Rector, E. M. Reynolds, W. R. Rivers, J. T., Jr. Rodman, P. P. Rosenberry, E. H. Scott, A. L., Jr. Scull, E. B. Seely, L. B. Seibert, H. C. Shannon, T. L., Jr. Shoemaker, R. B. Smith, C. A. Stark, A. Taylor, H. W., Jr. Tillotson, D. F. Van Cleave, J. W. Weightman, M. A. Wheeler, F. H. Whitman, P. M. Wilbur, C. E. Wilking, S. V. Worrall, J. W., Jr. Wright, F. D. Wrigley, A. N.

#### 1938

Ahrens, D. F.
Aucott, R. L.
Bailey, L. W.
Bair, C. H., Jr.
Bell, H. H.
Benham, T. A.
Bird, R. M., Jr.
Bowditch, H. L.
Bowman, R. S.
Brown, C. T., Jr.
Buerger, G. H.
Burnside, R. B.
Campbell, D. H.

Carson, J. T., Jr. Chambers, W. W. Childs, D. S., Jr. Clark, W. H., Jr. Clement, R. A. Cook, T. N. Cox, H. B. Currie, W. S., Jr. Darlington, H. T., Jr. de Beausset, V. S. Deuel, H. A., Jr. Dickson, A. C., Jr. Dormon, W. W. Duff, W. Ebersol, C. R. Edmundson, W. F. Evans, S. R. Evert, J. A. Firth, R. Fraleigh, W. N. George, J. M. Gilbert, R. P. Goldmark, J. E. Haig, C. R., Jr. Harper, S. K. Harrison, C. L. Hartenstein, G. L. Hay, W. H. Himes, W. Hinchman, J. Hyde, A. R. Kershner, W. T. Kinney, W. S., Jr. Kohn, L. B., II Kriebel, W. B. Leib, A. P. Lentz, B. C. Ligon, C. H. Longnecker, H. C. Luden, W. H., Jr. Mathues, G. B. McC. McFarland, M. D. McIlvain, F. H. Morian, C. H., Jr. Morse, E. H. Myer, W. Norsworthy, L. F. O'Hara, W. W. Pakradooni, D. S. Paris, P. E. V. Peirce, G. Poole, G. E. Prindle, W. E., Jr. Ramsey, F. M., Jr. Ranck, C. E. Reagan, L. B. Rich, J. L. Robbins, D. M. Saylor, T. K., Jr. Schramm, L. B. Sensenig, J. C. Shank, . . R. Simmons, T. L. Slease, C. H. Sluss, W. B. Sponsler, C. F.

Steere, J. M., Jr.
Tatman, T. C.
Taylor, H. R.
Telling, I., Jr.
Thompson, R. J., Jr.
Torrance, K.
Van Haagen, E. H.
Velte, L. J., Jr.
Webb, W. M.
Welbourne, E. H., Jr.
Wesson, L. G., Jr.
Whittier, W.
Wilson, C. B.
Wingerd, E. C., Jr.
Wood, G. C.

#### 1939

Ackerman, R. B. Albert, A. H., Jr. Ames, R. H. Aron, J. I. Balderston, H. L., Jr. Balderston, R. L. Birkinbine, J. L. Bonham, W. S. Bown, G. D. Bready, J. H. Brown, F. G. Bushnell, C. S., Jr. Carroll, B. E. Chapin, D. B. Clader, S. C. Coffman, S. K., Jr. Derr, H. H. Downing, J. W., Jr. Evans, J. Evans, N. H. Evans, W. E. Fenhagen, J. P. Finley, J. M. Flick, J. A. Groff, J. C. Hallahan, J. D. Heilman, H. A., Jr. Herr, R. Hoyer, J. A. Jackson, R. L. Jaquette, J. J. Jones, H. H. Larson, D. M. Leibold, J. P. Lewis, L. C. Lewis, J. E. Lillie, R. H. Lowry A., III McCubbin, T. R. McCune, W. W. McIlvain, J. G., Jr. Mears, F. K., Jr. Mervine, D. S. Miller, C. F., II Morris, H. H., Jr. Moseley, A. W. Munro, D. H.

Palmer, L. H. Peifer, R. E., Jr. Phillips, H. W. Rambo, O. N., Jr. Rankin, C. E. Reaves, W. H., Jr. Rice, S. S. Roberts, A. Rohrmayer, F. P., Jr. Santer, D. G. Sharpe, C. M. Shaw, W. D. Shihadeh, T. D., Jr. Simons, L. H., Jr. Spaulding, R. E. Steiger, T. B. Sterrett, J. W. Sykes, J. M. Talbot, G. P. Thiermann, S. Thomas, H. P., Jr. Tinnon, J. M. Trench, J. P. Warner, W. H. A. Watkins, T. A. Webster, M. A., Jr. Wertime, T. A. White, R. M. Whitson, R. O. Williams, D. N. Wilson, J. F. Wingerd, J. C. Withers, S., Jr. Yost, R. R., Jr.

#### 1940

Allen, E. G. Allen, G. Anderton, B. Balivet, H. P., Jr. Baum, C. E., Jr. Beeler, R. W. Beers, S. L. Brown, A. E. Ch'en, F. J. Colbert, W. H. Coursin, D. B. Crounce, S. H. Darnell, E. L. Dawson, E. S. Dewees, R. L. Duncan, J. A. Dye, S. M. Fisher, C. W., Jr. Flaccus, D. P. Fleischman, S. E. Goepp, R. H. Goodyear, H. J. Greenwood, R. Gross, J. E. Halsey, W. D., Jr. Haverstick, H., Jr. Henderson, H. Hering, A. C.

Hoffman, J. T. Hoyt, H. T. Hunn, R. J. Janney, L. L. Johnson, S. F. Koppelman, W., Jr. Lewis, F. A. Lindley, J. M., Jr. Lowe, D. B., Jr. Lurting, F. W. Magill, A. A. Mason, E. Mason, H. Massey, P. D. Maule, S. G. M. McConnell, R. W., Jr. McDevit, W. F. Mechling, J. E. Moore, H. W., Jr. Nova, F. Peters, C. K. Poole, R. A. Prescott, K. Rairdon, C. T. Reichel, A. W. Rowland, P. C. Schaeffer, R. L. Sharkey, J. T. Simpson, J. C. Southgate, N. D. Steel, M. W., Jr. Swift, C. J. Taft, T. M. Tousey, T. G., Jr. Vincent, J. A. Wieder, J. W., Jr. Williams, R. T. Wilson, D. R. Wolfinger, C. H. Wood, J. W., Jr.

#### 1941

Allinson, E. P. Andrus, S. B. Arnold, D. B. Arthur, R. P. Ashbrook, A. G., Jr. Blackwell, H. R. Blum, H. L. Bolster, R. H. Botelho, E. Boyer, D. B., Jr. Branson, A. DeL. Buttrick, J. A. Chambers T. H. Chestnut, D. T. Clark, J. B. Clement, H. L. Cornman, H. D., III Davis, H. Dickson, R. B. Dorsey, J. W. Engelhardt, E. L. Evans, C.

Evans, R. W., Jr. Evert, R. N. Ewing, G. L. Finger, L. J. Folwell, R. C., III Garmey, J. D. Gifford, P. C., Jr. Grosholz, E. D. Hawley, J. C. Hecht, R. E., Jr. Hemphill, G. Hibbard, J. B. Inglis, A. F. Kent, Roger B. King, B. D. Liddell, W. A. Little, T. Long, J. W. Longley, J. B. McNeill, J. R. Miller, W. K. Morian, T. F. Moseley, M. W. Mosse, G. L. Murphy, S. M., Jr. Napier, A. H., Jr. Neal, J. P. Newhall, W. F. Orton, M. A. Pile, W. H. Potter, R. J. Scheffner, E. R. Shoemaker, D. W. Smith, H. A., Jr. Smith, M. K., Jr. Smith, R. H. Snipes, S. M. Solis-Cohen, L., Jr. Stainton, W. W. Strohl, G. R., Jr. Stuart, H. H. Sutton, G. C. Swan, G. M., Jr. Swigert, J. B. Vogt, R. S. Wagner, L. P. Watson, W. R., Jr. Webb, J. L., Jr. Weyerbacher, K. W. Willis, J. M. Wright, K. A. Ziegler, H. E., Jr.

#### 1942

Abbott, C. C.
Addoms, J. N.
Aldridge, G. L.
Anderson, W. D.
Bauer, R. D.
Bedrossian, E. H.
Bell, E. D., Jr.
Brodhead, B.
Brous, N. S.
Brown, K.

Brown, R. W. Burford, N., Jr. Bye, J. E. Cadbury, L. Childs, E. E. Clark, J. A. Cochran, T. C., Jr. Dorian, A. L. Dunham, R. W. Dye, R. A., Jr. Elliott, J. Y. Emery, D. A. Emery, E. R. Evans, A. Falconer, W. C. Farquhar, J. D. Flaccus, E. Flick, J. B., Jr. Foreman, K. J., Jr. Fox, D. S. Franzen, W. Frazier, J. J. Fust, J. A. Gaensler, E. A. Gary, J. F. Greer, C. K. Grier, L. N., Jr. Guenther, J. J., Jr. Hambidge, G., Jr. Harper, H. R., II Harrington, E. Hastings, F. W. Haughton, A. B. Haworth, T. P. Howe, G. W. Hsu, T. C. Johnstone, H. W., Jr. Jones, T. C. Kay, R. Kirkpatrick, M. S. Lawrence, L. T. Lewis, G. C., Jr. McGann, M. H., Jr. McLellan, P. F. Meldrum, W. B., Jr. Miller, R. E., Jr. Nichols, C. K., Jr. O'Connor, P. R. Olson, C. A., Jr. Oulahan, C. Poole, D. M. Ratcliffe, J. N. Rhodin, T. N., Jr. Roberts, K. S. Saxer, L. P. Schaeffer, C. D. Sensenig, D. M. Skerrett, W. H. W., Jr. Spaulding, D. C. Starr, R. W., III Steptoe, R. M. Strausbaugh, R. N. Sweetser, F. P. Szerlip, E. P. Thompson, D. C. Thomson, J. D.

Trout, E. E. Warner, G. T. Weaver, D. G. Wise, J. H. Worrall, W. S.

#### 1943

Addoms, J. Allen, J. M. Anderson, E. E., Jr. Baker, D. H. Bell, A. H. Bowman, M. S. Brown, J. S. Brown, M. L Cadbury, C. J. Coffin, T. P. Coolidge, D. A. Cope, P. M., Jr. Dewald, J. Elwell, J. Enck, J. J. Evans, J. M. Ferris, S. W. FitzGerald, G. H. Funk, H. E. Gilbert, J. B. Grala, W. L., Jr. Hall, H. S. Hallett, D. R. Hamill, J. Harris, W. M. Herman, J. F., Jr. Hill, J. F. Hogness, J. R. Howe, B. E., Jr. Hunter, H. Kibbee, L. C. Kirk, D. B. Knowland, W. E. Kriebel, H. B. Levintow, L. Lippincott, H. M., Jr. Little, E. F. Lutz, H. T. Lyman, R. M. MacCrate, R. Marsh, J. C. Mason, A. Meader, J. H. Moon, J. M. Morse, G. F. Newell, S., Jr. Otto, F. K. Patton, R. A., Jr. Peterkin, N. Rhind, J. B. Ridgway, S. L. Rogers, A. S. Russell, R. M. Ryrie, G. M. Satterthwait, A. C. Severinghaus, J. W. Shepard, S. T.

Shihadeh, W. Shinn, J. G. Smiley, G. Somers, D. D. Steins, K. Stevens, J. D., Jr. Stewart-Gordon, J. Stiles, E. C., Jr. Studwell, W. A. Sutterlin, J. S. Thacher, J. W., Jr. Thomson, H. S. Tomlinson, A. C., Jr. Torrence, H. Turner, A. E., III Warren, W. T. Webster, E. F. Whitehead, J. C. Widney, C. E., Jr. Wilkie, J. B. Williams, H. R. Winder, D. A. Winder, R. B. Wingerd, W. N. Woodward, W. H. Yeaple, W. S.

#### 1944

Abbott, C. W. Alden, C. S. Alvord, E. C., Jr. Bair, G. E. Baird, D. H. Balderston, J. L. Beye, C. L. Bolgiano, L. P., Jr. Boysen, A. C., Jr. Buyers, A. G. Clark, J. W. Cocks, G. R. Compton, H. N., Jr. Conn, W. K. Crabtree, J. D. Craig, C. W. Curtis, F. A. Day, R. B. Downing, G. V., Jr. Eager, H. R., Jr. Egger, A. J., Jr. Elkinton, T. Fox, C. E. Frantz, J. A. Free, E. D. Funk, E. H., Jr. Gildemeister, Maria L. Ambler, W. W. Goerke, E., Jr. Gomez, M. J. Gray, H. H, Grier, J. G. Haden, J. C. Hamilton, A. C. Hammond, E. E., Jr. Hedges, W. L. Hill, R. W.

Hollander, W., Jr. Hopkins, G. D., II Hough, J. T. Houston, W. McC. Howe, W. E. Hubler, G. W. Irving, E. B., Jr. Jacob, R. M. Jones, C. Kester, D. J. Klein, J. S. Krom, J. M. Lacey, D. B. Lehman, W. I. Lloyd, S. L. Logan, J. B. Lorentzen, R. P. Lukens, P. T. Magill, D. A. Marshall, D. L. Mathias, C. McC., Jr. McShane, W. R. Miller, D. K. Moore, G. H., Jr. Moore, W., Jr. Murphey, R. W. Myers, G. E. Norton, R. W. Pease, A. M., Jr. Post, A. R. Robinson, D. P. Roesler, J. B. Shipley, J. E., Jr. Smith, H. R., Jr. Stokes, D. E. Stokes, S. E., Jr. Stott, P. R. Stuart, S. R. Sutton, H. C., Jr. Taussig, W. M. Thomas, C. E., Jr. Vila, H. S. Warren, R. H. Watkins, R. W. Wendell, D. C., Jr. Wigfield, H. Willar, E. W., Jr. Wires, J. S. Wood, H. P. Worl, J. H.

#### 1945

Alford, T. C., Jr. Allinson, A. P. Bache, K. Baldwin, W. C. Balls, K. F. Bartholomew, G. A. Bassert, D. E. Beardsley, J. P. Benge, J. H. Block, I. E. Boteler, C. M., Jr.

Bush, J. H. Calhoun, C. Cary, J. R. Clement, F. T. J. Cole, R. W. Crossman, D. L. Deitsch, P. H. deLong, R. P. De Schweinitz, G., Jr. Domincovich, P. H. Dorries, K. R., Jr. Driscoll, R. A. Dyer, J. A. Fairman, F. E., III Fetterman, H. H. Fox, S. M., III Gager, F. L., Jr. Gilmore, J. Good, R. C. Grant, D. E. Gregson, E. W., Jr. Grubb, K. P. Hamilton, R. T. Handy, E. H., Jr. Harned, A. R., Harrer, J. M. Heimlich, E. M. Hopkins, R. H. Hsia, D. Y. Y. Hulings, C. Hutchins, J. S. Jackson, R. B. Johnson, L. M. Johnston, J. R., III Jones, A. E. Joslin, B. S. Kirk, W. T., Jr. Kojima, M. Lankford, H. F. Lehmann, W. L. Libbon, J. A. Mallery, D. Mann, P. C. Matlack, C. W. McLaughlin, J. Morris, A. G. Morris, J. P., Jr. Palmer, A. W. Pancoast, C. E., III Pierson, J. W., Jr. Pinch, W., Jr. Pontius, R. G. Preston, E., III Prins, G. C. E. Purdy, D. A. Ricks, R. A., III Ride, D. B. Robbins, L. C., Jr. Root, V. M. St. Clair, A. T., Jr. Schmidt, C. F. Schnaars, J. A. Sheppard, C. R. Shields, C. A. Slotnick, H. N.

Smith, D. M.

Smith, R. W.
Stuart, W.
Tanaka, A. M.
Trainer, T. M.
Valentine, R. S.
Van Hollen, C.
Vinsinger, H. E.
Waite, D. M.
Warnken, H. F.
White, R. B.
White, R. P.
Widdicombe, S. H., Jr.
Wright, J. B.
Young, L. P.

#### 1946

Baker, E. T. Baker, W. P., Jr. Bartlett, F. H., Jr. Barton, W. H. Bedrossian, R. H. Behrens, R. H. Birdsall, T. M. Bryson, A. E. Burns, S. S. Bush-Brown, A. Bushnell, J. F. Cameron, A. M. Canan, L. H., Jr. Case, W. C. Chapman, W. D. Chartener, W. H. Clayton, R. F. Coale, E. B. Coffin, L. E. Colket, T. C., III Cook, E. M., Jr. Courtright, R. C. Cowan, W. E. Delp, W. T. Edgerton, H. McI. Elkington, P. W. Engelhardt, J. N. Feil, J. P. Finley, R. K., Jr: Forsythe, A. H., Jr. Gilmour, N., Jr. Good, A. B. Goodman, M. Goodman, T. P. Gross, S. H. Guthrie, E. H. Henderson, R. E. Henkels, P. M. Herter, T. J. Hiltner, T. M. Jacobs, G. W. Kato, W. Y. Kirkpatrick, R. B. Kummel, B. M. Lee, W. M. Leuchter, B. Z. Libby, J. K.

Lippincott, B. G. Long, D. E. Lynch, H. V., Jr. McNeill, D. B. Meldrom, T. W. Montgomery, G., Jr. Mumma, J. F. Nunez, V. E., Jr. Olmsted, P. S. Payro, R. P. Petersen, H. E. Peterson, L. O., Jr. Price, R. N. Rhue, F. F. Ritchie, G. B. Rogoff, R. C. Rose, C. O. Ryan, T. J. Ryrie, C. C. Sangree, C. S. Schneider, S. P. Sherpick, W. E. Smiley, F., Jr. Spatz, R. E. Stackhouse, R. C. Stewart, D. S. Stokes, J., III Sutor, J. F. Taylor, D. M. Thawley, S. B. Tourison, D. M. Treat, D. F. Werntz, D. R. Wheeler, W. H. Whitall, R. Wolman, M. G. Wood, H. D. Yamane, G. M.

#### 1947

Annesley, W. H., Jr. Austad, R. Beaulieu, C. E. Bennett, P. G. Bingham, J. Blake, F. L. Bouzarth, W. F. Brown, J. E. Chapman, S. H., III Davis, A. M. DiPhillipo, A. J. Doane, R. F. Doehlert, C. A. Dowben, R. M. Estey, J. S. Ewell, A. H., Jr. Finley, J. T. Gross, G. C., Jr. Hood, G. M. W. Huebsch, L Johnson, D. Katchen, J. Klein, E. B., Jr. Klein, R. A.

Lawton, M. P. Leaman, G. A. Lenton, C. T., Jr. Lind, R. Long, C., II Marvin, C. McIlhenny, W. J. Meldrum, D. N. Moses, C. H. M., Jr. Namy, C. Nicklin, G. Payne, W. S. Rivers, R. D. Roche, R. P. Sanders, M. Scott, G. H. Starkweather, H. W., Jr. Steefel, L. D., Jr. Sturr, G. B. T. Wagner, D. H. Whitehead, H. M. Wright, D. R.

#### 1948

Adams, J. F., Jr. Alenick, M. E. Atkeson, T. B. Baker, R. K. Barker, W. P. Bell, W. W. Besse, B. E., Jr. Birdsall, J. C., Jr. Bond, C. T. Bowden, R. L. Buttrick, D. G. Chacko, K. C. Clark, W. R. Collins, B. McV. Culbert, C. D. Davenport, R. M. Dorn, R. K. Drake, C. D. Fleming, T. T. Frankl, G. Freeman, M. F. Gailey, J. R., Jr. Ginsburg, S. J. Grossman, A. Gunnison, F., Jr. Harris, W. H. Harvey, C. R. Hauser, J. N. Hawkins, L. W. Hendon, R. R., Jr. Henne, J. K. Hood, H. G., Jr. Hoopes, J. R. Howe, G. S. Ihrig, J. L. Jacob, J. A., Jr. Kindler, D. Konowitz, D. B. Larson, J. W. Levensohn, A. M.

Levinson, H. W. Li, T-K. Lycett, I. C., Jr. Maquinay, R. Mason, S., III McCandliss, D. H. McCloud, J. M. McGuire, C. R. Meyers, R. W. Miller, B. M. Muench, J. F. Nash, H. T. Newman, P. F. Olivier, D. D. Oppenheimer, M. Oswald, D. S. Pease, W. Peters, D. A. Power, R. W. Pruser, H. H. Rawnsley, H. M. Schlegel, R. A. Schuman, R. W. Seifert, A. M. Selinger, M. A., Jr. Shoffstall, D. Steere, P. W. Stone, J. A. Taggart, G. W. Thompson, D. B. Wheeler, E.S. Whitman, J. T. Widmer, R. J. Zweifler, N. J.

#### 1949

Acker, G. N. Allyn, H. B., II Anderson, J. Bailey, O. Baldi, V., Jr. Barraza, C. Barron, D. A. Beck, S. M. Beckley, A. S. Beeken, W. L. Bernstein, D. S. Blackwell, D. J. Blecker, S. Blum, K. R. Boger, J. N. Brenes, L. Brewer, P. C., Jr. Brieger, H. A. N. Brinton, E. Brodhead, D. Broom, W. T. Brownlee, H. J. Brownlee, J. E. Bruckner, R. J. Buckley, J. C. Bullock, J. R. Cadbury, W. H. Canan, J.

Cartier, G. T. Cope, W. H. Cornell, E. H. B. Couch, R. A. Crolius, T. P. Cumbee, H. W. Daudon, M. D. Davis, F. A., Jr. Davis, J. G. DeMarco, M. C. Di Giovanni, C. Disbrow, D. W. Dvorken, H. J. Echikson, E. Edgerton, C. W., Jr. Edgerton, R. Eisele, G. W. Elliott, R. M. Eshleman, B., Jr. Faltermayer, E. K. Fox, S. T., III Gardner, K. A. Garrett, P. C., II Geoffroy, C. H. Gifford, T. Gill, H. W., Jr. Gilmour, R. M. Goodman, I. R. Gorham, W. K., III Gothberg, G. A., Jr. Gould, S. B. Graff, T. D. Graham, R. B., Jr. Grosholz, J. R. Hammond, G. S. Hand, T.S. Handrich, P. C. Harper, R. Hastings, D. S. Hayes, D. Hazelwood, R. N. Henkels, J. B., III Higinbothom, W. C. Hires, W. L. Hoffman, G. L. Hollingshead, I., Jr. Holmes, R. W. Hoover, D. W. Hopkins, F. T. Hoskins, R. G. Hume, H. A. Hutchinson, E. C. Johnson, R. S. Johnson, V. L. Johnston, R. J., Jr. Jones, E. G. Kelly, P. S. Kennedy, F. R., Jr. Kimmich, H. M. King, M. P. Laity, D. S. Laity, W. A. Lambert, R. M. Langston, T. D. Lasday, H. R. Lash, W. S. M.

Lea, S. Limber, W.S. Longacre, J. A. Maley, E. P. Mayer, G. Mead, B., Jr. Mead, G. N. J. Miller, J. Miller, S. R. Miller, W. H. Mohn, W. H. Montgomery, A. T. Montgomery, D. H., Jr. Morris, R. L. Myers, W. Neuhaus, R. C. Nofer, G. H., II Parke, R. G. Parker, J. H. Parkes, R. I., Jr. Prosser, R. A. Quek, S. T. Radbill, H. R. Reynolds, E. A. Reynolds, J. C. Rickerman, H. G. Richie, D. H. Richie, R. H., Jr. Robertson, R. B. Robinson, R. E. Rosenthal, D. R. Ruff, G. E. Sangree, C. M., Jr. Schmidt, H. H. Schultz, M. A. Segal, M. B. Shakespeare, E. O. Shearer, C. R. Shepard, R. F., Jr. Singer, E. P. Smith, H. C., II Snodgrass, F. M. Sparks, D. I. Sproule, J. Stewart, D. W., II Suydam, W. E. Tang, L. W. C. Tarr, S. R. Taylor, R. C. Thomas, D. E. Thomas, J. P. Thorpe, J. H. Todd, W. E., Jr. Tolan, D. J. Traccarella, E. A. Travers, J. E. Turner, C. W. Tuttle, E. E. Tychanich, J. D. Vaughan, C. A. Velte, R. H. Walnut, F. K. Whitby, W. M. Whitcomb, H. C., Jr. Wilcox, J. R. Williams, R. D.

Wingerd, R. A. Wright, T. C.

#### 1950

Acton, J. T. Amussen, C. R. Baer, B. L. Baldwin, G. B. Barker, H. J., Jr. Barnes, J. A., Jr. Barrows, W. M. Bentley, W. D., Jr. Betson, R. B. Betson, W. M. Billo, J. G. Bishop, W. S. Blasius, L. G. Blum, D. M. Bottom, G. B. Boyd, A., Jr. Brawner, D. M. Brick, A. R. Brown, E. L. Brown, R. E. Carman, J. B. Carrington, G. C. Chantiles, N. Cheyette, H. Collier, R. B. Colman, G. D. Conklin, G. Cooper, B. B. Cooper, E. Dallett, F. J., Jr. Deitz, J. G. Doane, J. W. Dragstedt, L. H. Durling, J. A. Dyson, J. C. Eastman, A. T. Edmonds, T. H. Ensign, W. G. Feroe, R. A. Flaherty, J. P., Jr. Fletcher, R. M. Flint, P. B. Foster, J. H. Gately, E. J., Jr. Gerlach, T. D. Gilbert, C. E. Graham, E. L. Greenwald, S. Griste, R. D. Harden, D. S. Harper, L. R. Hastings, J. B. Healey, R. J. Herman, D. D. Hickman, H. L. Hobart, J. H. Hough, W. J. H. Hughes, C. M. Imhof, L. G. Jackson, J. A.

Jameson, T. E. Jamison, E. M., Jr. Johnston, J. J. Jones, A. W. Katz, J. Z. Kirk, R. L. Klein, G. W. Knowlton, A. M. Laity, R. W. Lind, F. J., Jr. Linthicum, W. A., Jr. Lucas, R. M. Lucine, A. D. MacIntosh, W. B., Jr. Manwiller, K. S., Jr. Maroney, P. M. Martin, D. B. Martin, F. B., Jr. Marvin, J. Mateer, G. D., Jr. Mathias, E. T. McKinley, R. S., III Melchoir, C. M. Metcalfe, R. Miller, F. S., Jr. Miller, W. B. Morrell, R. M. Moser, K. M. Myers, R. N. Nason, H. Oppenheim, D. P. Ouellette, A. R. Packard, M. W. Parke, R., Jr. Parran, R. B. Peifer, W.S. Pennypacker, E. L. Philips, D. E. Pierson, P. M. Pollard, R., III Rankin, R. E. Reeder, R. R. Reinhardt, J. B. Reitzel, N. M. Reninger, C. W. Rhoads, W. L., III Ridington, T. M. Robertson, W. G. Rodewald, W. Y. Rowe, D. K. Rudisill, R. C., III Sangree, W. H. Schwartz, W. Seder, E. Segal, A. G. Seligsohn, W. I. Sellers, A. D. Sener, J. W., Jr. Smith, M. B. Smith, P. R. Smyth, F. S., Jr. Snader, E. R., III Sniffen, A. M. Snipes, E. T., Jr. Stanmyer, J. E. Stern, H.

Stern, T. Stettenheim, P. Stevens, T. M. Strohl, H. F. Swartley, W. M. Tatnall, R. L., Jr. Test, E. W. Thornton, T. P. Tilley, D. C. Todd, J. A. Todd, T. A. Turley, K. H. Van Arkel, B. Vitello, J. A. Vogel, W. W. Walker, I. G. Walker, R. A. Whitall, W. B. Wickham, R. S. Wightman, A. H. Wilson, E. S., Jr. Wood, H. C., IV Wood, J., III Zimmerman, T. C. Zweifler, A. J.

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Abbott, H. D. Adimora, S. N. Allan, D. Amussen, D. S. Anders, W. F. K. Autenreith, L. H. Bacon, R. Bakker, C. N., Jr. Baltzell, R. Bell, J. E. Bellinger, E. T. Biddle, J. C. Birdsall, C. B. Boteler, W. P. Boyd, J. C. Brown, J. D., Jr. Brown, J. C. Brown, R. deP. Cadwallader, G. Cameron, R. Carlson, O. W., Jr. Cates, P. Clayton, A. B. Colman, S., Jr. Conant, R. K., Jr. Conklin, W. T., III Cooney, J. J. Cragin, H. I. Crosman, J. M., Jr. Curtis, N. M. Cutting, H. O. Davies, D. E. Davison, J. H. Dayton, A. S., Jr. Deacon, D. W. Deaton, L. C. Dennison, S. C.

Dewees, A. H.

Dodge, J. L.

Dolbeare, K. M. Eberly, R. J. Edgerton, P. Edmiston, R. B. Exton, F., Jr. Rice, J. W. Elliott, W. A. Feeser, P. T. Roberts, F. H. Ewald, H. P., Jr. Feroe, B. K. Scheffey, A. J. Fey, C. F. Fife, J. D. Searle, C. S. Foley, R. T. Flanders, P. J. Sears, D. F., Jr. Foster, M. J. Ford, F. F., Jr. Segal, R. M. Forsythe, T. R. Freman, R. W. Seidel, B. L. Franke, R. J. French, J. C. Seith, D. W. Freund, G. Garbaty, T. J. Sharpless, F. P., Jr. Gailey, J. A. Gardiner, J. B. Shipley, P. E. Getman, B. M., Jr. Garrison, H. E. Smith, A. J., II Gould, P. Geckeler, E. O., Jr. Spaeth, K. H. Grant, E. Gray, W. S., Jr. Green, A. J. Steere, P. K. Gray, W. S., Jr. Greene, C. M. Exton, F., Jr. Tale of the control o Kratz, W. T. Kunkel, R. B. Leib, G. M. P. Lewis, G. H. Libby, E. K. Loucks, W. B., Jr. Lung, L. MacKenzie, D. Mathis, J. L. Matlack, W. F. Mathsson, B. G. McCargar, D. E. McCarn, D. B. McNutt, T. R. Melcher, W. P. Melick, R. Milligan, B. Milyko, A. B. Moritz, 6. ... Morley, A. J. Moritz, J. A. Moses, P. B. Musser, F.O. Nyi, S. H. Oberembt, R. J. Chandler, D., Jr. Milner, P. C., II
O'Neill, H. T. Chase, R. S., Jr. Murdoch, G. C.
Patterson, E. B., Jr. Collins, R. McV. Nelson, K. R., Jr.

Paulson, J. F. Peden, J. C., Jr. Peniche, W. Prockop, D. J. Putney, W. T., III Dewees, D. A.
Quillen, R. J., Jr. Eller, R. W.
Rice, J. W. Elliott, W. A. Zerrer, J. G.

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Adam, A. C. Atkinson, R. W. Austin-Small, P. O. C. Lamphere, G. E. Ayusawa, J. Lande, P. W. Ayusawa, J. Bair, W. L. Barnes, R. K. Basiuk, V. Baur, P. J.
Bien, P. A.
Blesdoe, S. C. D.

Rliss, H.

Mackenzie, A. B. Bliss, H.

Boger, W. M.

Boissevain, J. F.

Briod, A. E.

Broadbelt, B. D.

Butler, R. G.

Meder, M. D. L.

Messick, R. R.

Miller, H. A. S.

Miles, F. V. Chace, J.

Cone, S. M., III Crolius, A. P. Cummins, P. Darlington, W. H. Jones, E. A. Jones, R. F. Keetz, F. M. Killian, J. R., Jr. Kirk, D. G. Kirk, R. A. Kohler, F. P. Lande, P. W. Leonard, L. M. Loebelenz, D. E. Loeb, E. Loechel, L. O., Jr. Miles, F. V.

Newbold, R. W. Norris, R. A., Jr. Norton, N. Oberholtzer, W. W. Oliver, P. Perham, G. P. Philips, R. N. Pike, B. E. Ranck, J. B., Jr. Rittenhouse, P. N. Rosenbaum, C. P. Ruth, T. N. Shanks, H. Sharp, J. V. A. Solem, G. A. Sorg, W. R. Stahl, C. G. Sterner, P. L., Jr. Tapke, P. Totah, N. M. Townsend, W. L., Jr. Wagner, J. C. Whitaker, R. C., Jr. Willis, D. P. Wilson, F. T. Wilson, R. E. Wirt, J. B. Woll, J. W., Jr. Woodward, T. M., Jr. Wurster, C. F., Jr. Young, W. G.

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Allen, R. E. Allison, A. R., Jr. Anderson, S. Anderson, T. M., Jr. Bair, H. H. Benton, J. F. Bisson, T. N. Bockol, J. M. Brobyn, R. D. Brown, M. S. Burge, J. H., Jr. Carter, E. B. Caskey, D. H. Clark, D. V. Coote, R. J. Corry, J. P., Jr. Corson, R. H. Crichlow, R. W., III Crowley, J. F., Jr. Curran, R. T. Davis, W. B., Jr. Deaton, H. L. Denman, D. N. Dibble, J. S. Dixon, J. Dvorken, L. Ericson, J. W. Falge, R. L., Jr. Fascione, D. R. Fernandez, K. L. Fithian, W. W., Jr.

Flannery, F. J., Jr. Forker, L. Fuller, D. S. Fuller, G. Gatch, M. McC., Jr. Goldsmith, T. H. Good, R. C. Goodall, H. R. Gundry, R. K. Haines, W. F. Hansell, N., IV Harris, J. C. Helweg, J. E., Jr. Hickman, H. W. Hillis, J. K. Hitchcock, J. R. Hollingshead, P. Hollman, B. Z. Howson, H. F. Huene, H. A. Hurtubise, C. A. W., Jr. Ikeda, M. Isay, M. H. King, J. W. Kopf, T. J. Kumm, K. Lafer, D. J. Lamperti, J. W. Lane, R. T., Jr. Ledeboer, J. W., Jr. Leggett, J. M. Leibold, A. W., Jr. Lewis, A. L., Jr. Lingeman, R. R. Linthicum, S. Loder, J. E. Logan, R. G. Matteson, R. S. Mattson, N. D. Mayer, D. P. McCurdy, K. F. Millspaugh, F. W., Jr. Morris, L. C., Jr. Morrison, H. W. Nash, G. Nevitt, R. L. M. Perot, T. M., IV Piotrow, F. J. Reed, H. E. Reynolds, R. R. Rich, E. P. Richie, D. A. Richter, H. E. Roberts, C. E., Jr. Robinson, C. N. Saidel, B. R. Scherer, R. C. Schlegel, G. D. Schmitz, J. P. Seeley, R. T. Sexton, M. Shuman, L. K. Smith, J. N., Jr. Somerndike, J. M. Stansbury, P. R. Steely, J. E.

Stein, J. H., Jr. Stulting, G. C. Tabbutt, F. D. Taylor, H. G., III Thomas, L. J., Jr. Tice, G. Tien, H. Y. Tomec, J. R. Trump, C. E. Vance, P. G. Van Sickle, J. H. Werner, G. Western, D. S. Wightman, W. A. Wilson, D. C. Winn, M. Wood, P. H. Wood, R. R., Jr. Wood, T. A. Young, R. K.

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Ammann, W. B. Barwick, J. P. Barwick, P. E. Beatty, J. D. Bell, B. F., III Belote, T. G. Benjamin, P. S. Bibbins, M. W. Bittel, W. H., Jr. Bourne, R. B. Brewer, T. M., Jr. Bull, H. L., III Burton, J. C. Burtt, H. G. Carpenter, E. K. Comfort, W. W., II Craig, P. P. Crawford, J. D. deBerry, J. G. T. Dunn, H. M. Eagleton, S. J. Euster, R. Farrell, A. J. Feeser, R. P. Felstiner, J. P. Finkelstein, L. Forster, S. A. Frink, O. Fry, C. L., Jr. Furth, M. T. Gage, W. H. Gardner, P. C. Garrity, J. F., Jr. Glatzer, R. A. Gontrum, P. B. Grimm, D. L. Hankamer, F. P. R. Hansen, C.M. Hardman, K. J. Harrison, E. G., Jr. Harvey, J. S. C., III Heller, M. F.

Hellwege, C. F., Jr. Hiers, T. S. Hiss, J. G. F. Hollingsworth, E.P. Howorth, H. P. Hummel, J. A. Hutton, R. Ingles, J. D. Jameson, F. R. Janitschek, H. Johnson, L. M. Jones, R. I. Kalodner, H. I. Kaye, W. G. Kelly, J. H. Kelsey, D. H. Keyser, J. M. B., Jr. Kidney, W. C., Jr. Kindig, S. J. Klaver, M. A. Klein, P. R. Koch, H. F. Lengel, L. M. Lissfelt, M. C. Little, F. J., Jr. MacDonald, D. G. March, R. M. Matthews, N. E. Meads, W. C. Miller, K. L., Jr. Miller, F. R. Moore, M. Moore, P. W. Muth, F. D. Osler, F. B. Perry, D. R. Polsky, R. M., Jr. Prager, L. A. Reno, R. R., Jr. Rentschler, T. B. Rettew, J. B., III Rickert, H. D., Jr. Ricketts, W. P. Ridgeway, R. G. Rothermel, R. S. Ruddick, C. T., Jr. Ruff, J. K. Sachs, S. H. Schofer, C. E. Seaver, P. S. Silver, P. W. Silver, R. W. Singh, A. Steele, E. M. Stern, A. F. Swihart, S. L. Thomas, E.J.B., III Thomas, D. Taylor, R. Todd, G. F., Jr. Trumper, J. Veneziale, C. Walton, J. G. Watson, W. B. Werner, E. R., Jr. Wheaton, D. A.

White, C. Wilson, W. C. Winston, R., Jr. Woll, P. Wren, J. C.

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Albright, G. S. Albright, J. P. Allen, A. C. Allen, J. J. Alvord, R. W. Apmann, R. P. Armstrong, C. S. Arnold, H. C., Jr. Azumi, K. Barnhart, C. C. Bennett, L. C., Jr. Blanchard, E. C. Bledsoe, T. R. Borton, A. Bradbeer, J. B. Bradfield, W. S., Jr. Brainard, C. R. Braker, J. A. Burelbach, F. M., Jr. Cato, J. D. Cauffiel, J. J. Cone, D. F. Contakos, S. C. Croasdaile, R. E., Jr. Dannay, D. Dixon, J. E. Eldridge, R. Flint, J. B. Forman, M. A. Foulke, D. S. Franke, O. L. Freedman, I. S. Frey, A. H., Jr. Fuller, R. S. Goldfinger, A. M., Jr. Goodkind, T. B. Gray, G. W. Hamburger, H. I. Hamilton, K. G. Hardy, R. D. Harper, D. H. Harris, E. B. Haynes, W. G. Hazelton, P. C. Hill, N. S. Hinshaw, R. E. Hogenauer, D. E. Hopkins, J. W. Jaeckel, R. Johnson, M. A., II Kahn, S. J. Kanter, I. E. Kepner, C. D. Kern, D. E. Klein, A. Klots, C. E.

Kreisher, J. H. Lewis, R. Lubin, J. MacKenzie, J. R. Maiden, D. R. Malani, C. Manchester, C. B. Mandell, M. S. Marek, R. Masland, W. S. Masterson, R. D. McCandless, R. L. McCann, J. R. McDonald, J. G. Merrill, N. S. Michael, J. R. Morrow, G., III Moss, U. H., Jr. Neuhaus, C. F. Noble, J. A. Osler, J. H., III Parker, G. R. Penick, T. G. Phelps, P. Raper, H. C. Read, R. E. Reeves, F. B. Rice, D. H., III Rivers, R. D. Rosenberger, P. B. Sangree, M. H., Jr. Schatanoff, J. Scherer, E. U. Schultheis, C. F. Schwartz, R. G. Speicher, J. K. Strotbeck, J. M. Supplee, J. G. Sutton, D. C. Wilson, R. G. Wolf, J. L. Wood, W. E. Worden, S., Jr.

## GEOGRAPHICAL LIST

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| Russell, F.                      | 45              | Howarth, M.B. *                     | Poole, G. E. 38                          |
| SANTA MONICA                     |                 | PADRONI                             | MANSFIELD CENTER                         |
| Bailey, H. H. Balderston, J.L.   | 32<br>44        | Snader, E.R., III                   | Hastings, D.S. 49                        |
| Porch, W. R.                     | 18              | STRATTON                            | MIDDLETOWN                               |
| Williams, A.C., J                | r.36            | Lindley, L.                         | 04 Bliss, H. 52                          |

|   | 40   | WEST HARTFORD  |  | NEW CASTLE   |  |
|---|--|--|--|--|--|
| Jones, E. G.<br>Spaeth, J. W., Jr.  | 49<br>17                                     | Gilson, W. E.  | 27   | Quillen, R.J., Jr.   | 51   |
| _   |  | Harvey, T. P.  | 06   | Reynolds, E.A.   | 49   |
| MILFORD<br>Broomell,  |  | Hulme, A. P.   | 25   | Smith, W.B., Jr.   | 33   |
| J. P., Jr.  | *39  | Jebb, W. T.  | 21   | NEWCASTLE  |  |
| Holmes, W. H.   | *42  | Kay, R.  | 42   | Taylor, E. A.  | 22   |
| NEW BRITAIN   |  | Melcher, W. P.   | 51<br>44   | REHOBOTH BEAC  | H  |
| Bomhoff, C. B.  | 29   | Pease, A.M., Jr.<br>Sagebeer, R.G.   | 22   | Vansant, J. A.   | 26   |
|   |  | White, R. P.   | 45   |  |  |
| NEW HAVEN   | 50   |  |  | SEAFORD<br>Clement, H. L.  | 41   |
| Brick, A. R.<br>Brown, W.R., III  | 36   | WESTON<br>Test, E. W.  | 50   |  | 41   |
| Carman, J. B.   | 50   |  | 00   | WILMINGTON   | 40   |
| Gummere, J.W.   | 15   | WESTPORT   | 0.9  | Addoms, J. N.  | 42<br>45   |
| Harrison,   |  | Flint, F. P.<br>Hill, M. F.  | 23<br>91   | Allinson, A.P.<br>Baker, W.P., Jr.   | 46   |
| E. G., Jr.  | 54   | Monsarrat, J.  | 34   | Bancroft, C. M.  | 34   |
| Morse, G. F.  | 43   | Moore, M.  | 54   | Benge, J. H.   | 45   |
| Oppenheim, D. P. Tice, G.   | 50<br>53                                     | Wright, D. R.  | 47   | Bird, R. M., Jr.   | 38   |
| Wilson, W. C.   | 54   | WETHERSFIELD   |  | Daudon, M. D.  | 49   |
|   |  | Strong, A. H.  | 32   | Dewees, R. L.  | 40   |
| NORTH GRANBY  | *46  | Wieder, J.W., Jr.  | 40   | Dugdale, H. K.   | 33<br>30   |
|   | . 40   | WHITNEYVILLE   |  | Durham, J. R.<br>Dutton, G.E., Jr.   | 35   |
| NORTH   |  | Lawrence, J.G.   | 31   | Feroe, B. K.   | 51   |
| WESTCHESTER   | 52   |  |  | Finger, L. J.  | 41   |
| Norton, N.  | 32   | WINDHAM CENTE  | 97   | French, J. C.  | 51   |
| OAKVILLE  | 0.0  | Field, E.  | 31   | Garrigues, J. K.   | 14   |
| Rice, S. S.   | 39   | WINDSOR  | 4.0  | Grant, D. E.   | 45   |
| OLD LYME  |  | Pickett, S. C.   | 13   | Green, J. P.   | $\frac{14}{23}$  |
| McCulloch, W.S.   | 21   | WOODBRIDGE   |  | Jones, W. R.<br>Klaver, M. A.  | 54   |
| ORANGE  |  | Smith, E. L.   | 20   |  | * 41   |
| Gibbs, R. O.  | 34   | WOODBURY   |  | Kretschmer,  |  |
| PLANTSVILLE   |  | Cretty, L. A.  | 28   | A. H., Jr.   | 32   |
| Dunham, R. W.   | 42   | WOODSTOCK  |  | Lewis, J. E.   | 39   |
|   |  | Bates, D. H.   | 35   | Lyman, R. M.   | 43   |
| PLEASANT VALL   | 51   |  |  | Mead, B., Jr.  | 49   |
| Bakker, C.N., Jr.   | 91   |  |  | Meldrum,W.B.,Jr<br>Morris, L.C., Jr.   | 53   |
| REDDING   | 0.0  | DELAWARE   |  | Nichols, A. L.   | 28   |
| Prindle, W.E., Jr.  | . 38   |  |  | Rhoads, J. B.  |  |
| RIVERSIDE   |  |  |  |  | 35   |
| For W T D   |  | DAGSBORO   |  | Rhoads, J. H.  | 32   |
| Fox, W. T. R.   | 32   | DAGSBORO<br>Snipes, E.T., Jr.  | 50   | Rhoads, J. H.<br>Rhoads, P. G.   | $\frac{32}{24}$  |
| SALISBURY   | 32   |  | 50   | Rhoads, J. H.<br>Rhoads, P. G.<br>Rhodin, T.N., Jr.  | 32<br>24<br>42   |
|   | 32<br>52                                     | Snipes, E.T., Jr.  | 50<br>55   | Rhoads, J. H.<br>Rhoads, P. G.<br>Rhodin, T.N., Jr.<br>Robelen, W.G., III  | $\frac{32}{24}$  |
| SALISBURY   |  | Snipes, E.T., Jr. DOVER Worden, S., Jr.  |  | Rhoads, J. H.<br>Rhoads, P. G.<br>Rhodin, T.N., Jr.<br>Robelen, W.G., III<br>Starkweather,   | 32<br>24<br>42<br>30   |
| SALISBURY<br>Hardy, D. W.   | 52   | Snipes, E.T., Jr.  DOVER Worden, S., Jr.  HOCKESSIN  | 55   | Rhoads, J. H. Rhoads, P. G. Rhodin, T.N., Jr. Robelen, W.G., III Starkweather, H. W., Jr.  | 32<br>24<br>42<br>30   |
| SALISBURY<br>Hardy, D. W.<br>Hardy, R. D.   | 52   | Snipes, E.T., Jr. DOVER Worden, S., Jr. HOCKESSIN McDevit, W. F.   | 55<br>40   | Rhoads, J. H.<br>Rhoads, P. G.<br>Rhodin, T.N., Jr.<br>Robelen, W.G., III<br>Starkweather,   | 32<br>24<br>42<br>30   |
| SALISBURY Hardy, D. W. Hardy, R. D. SAYBROOK Trenbath, G. S.  | 52<br>55                                     | Snipes, E.T., Jr.  DOVER Worden, S., Jr.  HOCKESSIN  | 55   | Rhoads, J. H. Rhoads, P. G. Rhodin, T.N., Jr. Robelen, W.G., III Starkweather, H. W., Jr. Stokes, W. P.  | 32<br>24<br>42<br>30<br>47<br>25<br>20                         |
| SALISBURY Hardy, D. W. Hardy, R. D. SAYBROOK Trenbath, G. S. SPRINGDALE   | 52<br>55                                     | Snipes, E.T., Jr. DOVER Worden, S., Jr. HOCKESSIN McDevit, W. F. Ranck, C. E. Wingerd, W. N.   | 55<br>40<br>38   | Rhoads, J. H. Rhoads, P. G. Rhodin, T.N., Jr. Robelen, W.G., III Starkweather, H. W., Jr. Stokes, W. P. Tatnall, H. R. Van Brunt, J., Jr. Warner, C., Jr.  | 32<br>24<br>42<br>30<br>47<br>25<br>20<br>36<br>23             |
| SALISBURY Hardy, D. W. Hardy, R. D. SAYBROOK Trenbath, G. S. SPRINGDALE Hamilton, F. C.   | 52<br>55<br>33                               | Snipes, E.T., Jr.  DOVER Worden, S., Jr.  HOCKESSIN McDevit, W. F. Ranck, C. E. Wingerd, W. N.  MIDDLETOWN   | 55<br>40<br>38<br>43   | Rhoads, J. H. Rhoads, P. G. Rhodin, T.N., Jr. Robelen, W.G., III Starkweather, H. W., Jr. Stokes, W. P. Tatnall, H. R. Van Brunt, J., Jr.  | 32<br>24<br>42<br>30<br>47<br>25<br>20<br>36                   |
| SALISBURY Hardy, D. W. Hardy, R. D. SAYBROOK Trenbath, G. S. SPRINGDALE Hamilton, F. C. STAMFORD  | 52<br>55<br>33<br>09                         | Snipes, E.T., Jr. DOVER Worden, S., Jr. HOCKESSIN McDevit, W. F. Ranck, C. E. Wingerd, W. N. MIDDLETOWN Baum, C.E., Jr.  | 55<br>40<br>38   | Rhoads, J. H. Rhoads, P. G. Rhodin, T.N., Jr. Robelen, W.G., III Starkweather, H. W., Jr. Stokes, W. P. Tatnall, H. R. Van Brunt, J., Jr. Warner, C., Jr.  | 32<br>24<br>42<br>30<br>47<br>25<br>20<br>36<br>23             |
| SALISBURY Hardy, D. W. Hardy, R. D. SAYBROOK Trenbath, G. S. SPRINGDALE Hamilton, F. C. STAMFORD Amussen, C. R.   | 52<br>55<br>33                               | Snipes, E.T., Jr.  DOVER Worden, S., Jr.  HOCKESSIN McDevit, W. F. Ranck, C. E. Wingerd, W. N.  MIDDLETOWN Baum, C.E., Jr.  MILFORD  | 55<br>40<br>38<br>43   | Rhoads, J. H. Rhoads, P. G. Rhodin, T.N., Jr. Robelen, W.G., III Starkweather, H. W., Jr. Stokes, W. P. Tatnall, H. R. Van Brunt, J., Jr. Warner, C., Jr. Wilson, E.S., Jr.  | 32<br>24<br>42<br>30<br>47<br>25<br>20<br>36<br>23             |
| SALISBURY Hardy, D. W. Hardy, R. D. SAYBROOK Trenbath, G. S. SPRINGDALE Hamilton, F. C. STAMFORD Amussen, C. R. TORRINGTON  | 52<br>55<br>33<br>09<br>50                   | Snipes, E.T., Jr. DOVER Worden, S., Jr. HOCKESSIN McDevit, W. F. Ranck, C. E. Wingerd, W. N. MIDDLETOWN Baum, C.E., Jr.  | 55<br>40<br>38<br>43   | Rhoads, J. H. Rhoads, P. G. Rhodin, T.N., Jr. Robelen, W.G., III Starkweather, H. W., Jr. Stokes, W. P. Tatnall, H. R. Van Brunt, J., Jr. Warner, C., Jr. Wilson, E.S., Jr.  | 32<br>24<br>42<br>30<br>47<br>25<br>20<br>36<br>23<br>50       |
| SALISBURY Hardy, D. W. Hardy, R. D. SAYBROOK Trenbath, G. S. SPRINGDALE Hamilton, F. C. STAMFORD Amussen, C. R. TORRINGTON Ebersol, C. R.   | 52<br>55<br>33<br>09                         | Snipes, E.T., Jr. DOVER Worden, S., Jr. HOCKESSIN McDevit, W. F. Ranck, C. E. Wingerd, W. N. MIDDLETOWN Baum, C.E., Jr. MILFORD Sipple, W.V., Jr. NEWARK   | 55<br>40<br>38<br>43<br>40<br>32                                     | Rhoads, J. H. Rhoads, P. G. Rhodin, T.N., Jr. Robelen, W.G., III Starkweather, H. W., Jr. Stokes, W. P. Tatnall, H. R. Van Brunt, J., Jr. Warner, C., Jr. Wilson, E.S., Jr. YORKLYN Macadam, J.  | 32<br>24<br>42<br>30<br>47<br>25<br>20<br>36<br>23<br>50       |
| SALISBURY Hardy, D. W. Hardy, R. D. SAYBROOK Trenbath, G. S. SPRINGDALE Hamilton, F. C. STAMFORD Amussen, C. R. TORRINGTON Ebersol, C. R. WALLINGFORD   | 52<br>55<br>33<br>09<br>50                   | Snipes, E.T., Jr.  DOVER Worden, S., Jr.  HOCKESSIN McDevit, W. F. Ranck, C. E. Wingerd, W. N.  MIDDLETOWN Baum, C.E., Jr.  MILFORD Sipple, W.V., Jr.  NEWARK Barnhart, C.C.   | 55<br>40<br>38<br>43<br>40<br>32                                     | Rhoads, J. H. Rhoads, P. G. Rhodin, T.N., Jr. Robelen, W.G., III Starkweather, H. W., Jr. Stokes, W. P. Tatnall, H. R. Van Brunt, J., Jr. Warner, C., Jr. Wilson, E.S., Jr.  | 32<br>24<br>42<br>30<br>47<br>25<br>20<br>36<br>23<br>50       |
| SALISBURY Hardy, D. W. Hardy, R. D. SAYBROOK Trenbath, G. S. SPRINGDALE Hamilton, F. C. STAMFORD Amussen, C. R. TORRINGTON Ebersol, C. R. WALLINGFORD Atmore, R. C.   | 52<br>55<br>33<br>09<br>50<br>38             | Snipes, E.T., Jr.  DOVER Worden, S., Jr.  HOCKESSIN McDevit, W. F. Ranck, C. E. Wingerd, W. N.  MIDDLETOWN Baum, C.E., Jr.  MILFORD Sipple, W.V., Jr.  NEWARK Barnhart, C. C. Bolgiano, L. P., Jr.   | 55<br>40<br>38<br>43<br>40<br>32<br>55<br>44                         | Rhoads, J. H. Rhoads, P. G. Rhodin, T.N., Jr. Robelen, W.G., III Starkweather, H. W., Jr. Stokes, W. P. Tatnall, H. R. Van Brunt, J., Jr. Warner, C., Jr. Wilson, E.S., Jr. YORKLYN Macadam, J.  | 32<br>24<br>42<br>30<br>47<br>25<br>20<br>36<br>23<br>50       |
| SALISBURY Hardy, D. W. Hardy, R. D. SAYBROOK Trenbath, G. S. SPRINGDALE Hamilton, F. C. STAMFORD Amussen, C. R. TORRINGTON Ebersol, C. R. WALLINGFORD Atmore, R. C. Williams, D. N.                           | 52<br>55<br>33<br>09<br>50                   | Snipes, E.T., Jr.  DOVER Worden, S., Jr.  HOCKESSIN McDevit, W. F. Ranck, C. E. Wingerd, W. N.  MIDDLETOWN Baum, C.E., Jr.  MILFORD Sipple, W.V., Jr.  NEWARK Barnhart, C.C. Bolgiano, L.P., Jr. Elliott, J. H.  | 55<br>40<br>38<br>43<br>40<br>32<br>55<br>44<br>35                   | Rhoads, J. H. Rhoads, P. G. Rhodin, T.N., Jr. Robelen, W.G., III Starkweather, H. W., Jr. Stokes, W. P. Tatnall, H. R. Van Brunt, J., Jr. Warner, C., Jr. Wilson, E.S., Jr. YORKLYN Macadam, J.  DISTRICT of COLUMBIA WASHINGTON                                   | 32<br>24<br>42<br>30<br>47<br>25<br>20<br>36<br>23<br>50       |
| SALISBURY Hardy, D. W. Hardy, R. D. SAYBROOK Trenbath, G. S. SPRINGDALE Hamilton, F. C. STAMFORD Amussen, C. R. TORRINGTON Ebersol, C. R. WALLINGFORD Atmore, R. C. Williams, D. N. WASHINGTON                | 52<br>55<br>33<br>09<br>50<br>38<br>34<br>39 | Snipes, E.T., Jr.  DOVER Worden, S., Jr.  HOCKESSIN McDevit, W. F. Ranck, C. E. Wingerd, W. N.  MIDDLETOWN Baum, C.E., Jr.  MILFORD Sipple, W.V., Jr.  NEWARK Barnhart, C. C. Bolgiano, L.P., Jr. Elliott, J. H. Flint, E. D.  | 55<br>40<br>38<br>43<br>40<br>32<br>55<br>44<br>35<br>28             | Rhoads, J. H. Rhoads, P. G. Rhodin, T.N., Jr. Robelen, W.G., III Starkweather, H. W., Jr. Stokes, W. P. Tatnall, H. R. Van Brunt, J., Jr. Warner, C., Jr. Wilson, E.S., Jr. YORKLYN Macadam, J.  DISTRICT of COLUMBIA WASHINGTON Alvord, R. W.                     | 32<br>24<br>42<br>30<br>47<br>25<br>20<br>36<br>23<br>50       |
| SALISBURY Hardy, D. W. Hardy, R. D. SAYBROOK Trenbath, G. S. SPRINGDALE Hamilton, F. C. STAMFORD Amussen, C. R. TORRINGTON Ebersol, C. R. WALLINGFORD Atmore, R. C. Williams, D. N.                           | 52<br>55<br>33<br>09<br>50<br>38             | Snipes, E.T., Jr.  DOVER Worden, S., Jr.  HOCKESSIN McDevit, W. F. Ranck, C. E. Wingerd, W. N.  MIDDLETOWN Baum, C.E., Jr.  MILFORD Sipple, W.V., Jr.  NEWARK Barnhart, C.C. Bolgiano, L.P., Jr. Elliott, J. H.  | 55<br>40<br>38<br>43<br>40<br>32<br>55<br>44<br>35                   | Rhoads, J. H. Rhoads, P. G. Rhodin, T.N., Jr. Robelen, W.G., III Starkweather, H. W., Jr. Stokes, W. P. Tatnall, H. R. Van Brunt, J., Jr. Warner, C., Jr. Wilson, E.S., Jr. YORKLYN Macadam, J.  DISTRICT of COLUMBIA WASHINGTON                                   | 32<br>24<br>42<br>30<br>47<br>25<br>20<br>36<br>23<br>50       |
| SALISBURY Hardy, D. W. Hardy, R. D. SAYBROOK Trenbath, G. S. SPRINGDALE Hamilton, F. C. STAMFORD Amussen, C. R. TORRINGTON Ebersol, C. R. WALLINGFORD Atmore, R. C. Williams, D. N. WASHINGTON                | 52<br>55<br>33<br>09<br>50<br>38<br>34<br>39 | Snipes, E.T., Jr.  DOVER Worden, S., Jr.  HOCKESSIN McDevit, W. F. Ranck, C. E. Wingerd, W. N.  MIDDLETOWN Baum, C.E., Jr.  MILFORD Sipple, W.V., Jr.  NEWARK Barnhart, C. C. Bolgiano, L. P., Jr. Elliott, J. H. Flint, E. D. Read, R. E. Roberts, K. S. Rosenberry, E.H. | 55<br>40<br>38<br>43<br>40<br>32<br>55<br>44<br>35<br>28<br>55       | Rhoads, J. H. Rhoads, P. G. Rhodin, T.N., Jr. Robelen, W.G., III Starkweather, H. W., Jr. Stokes, W. P. Tatnall, H. R. Van Brunt, J., Jr. Warner, C., Jr. Wilson, E.S., Jr. YORKLYN Macadam, J.  DISTRICT of COLUMBIA WASHINGTON Alvord, R. W. Anderson,           | 32<br>24<br>42<br>30<br>47<br>25<br>20<br>36<br>23<br>50<br>21 |
| SALISBURY Hardy, D. W. Hardy, R. D. SAYBROOK Trenbath, G. S. SPRINGDALE Hamilton, F. C. STAMFORD Amussen, C. R. TORRINGTON Ebersol, C. R. WALLINGFORD Atmore, R. C. Williams, D. N. WASHINGTON Vaughan, C. A. | 52<br>55<br>33<br>09<br>50<br>38<br>34<br>39 | Snipes, E.T., Jr.  DOVER Worden, S., Jr.  HOCKESSIN McDevit, W. F. Ranck, C. E. Wingerd, W. N.  MIDDLETOWN Baum, C.E., Jr.  MILFORD Sipple, W.V., Jr.  NEWARK Barnhart, C. C. Bolgiano, L. P., Jr. Elliott, J. H. Flint, E. D. Read, R. E. Roberts, K. S.                  | 55<br>40<br>38<br>43<br>40<br>32<br>55<br>44<br>35<br>28<br>55<br>35 | Rhoads, J. H. Rhoads, P. G. Rhodin, T.N., Jr. Robelen, W.G., III Starkweather, H. W., Jr. Stokes, W. P. Tatnall, H. R. Van Brunt, J., Jr. Warner, C., Jr. Wilson, E.S., Jr. YORKLYN Macadam, J.  DISTRICT of COLUMBIA WASHINGTON Alvord, R. W. Anderson, T.M., Jr. | 32<br>24<br>42<br>30<br>47<br>25<br>20<br>36<br>23<br>50<br>21 |

| Bell, H. H.   | 38   | FLORIDA  | OKLAWAHA   |
|---|--|--|--|
| Boteler, W.P.   | 51   | ANNA MARIA   | Shepard, S. T. 43  |
| Brawner, D.M.   | 50   | Scott, C. F. 08  | ORLANDO-   |
| Brieger, H.A.N.   | 49   |  | Johnson, G.W. 29   |
| Chambers T. H.  | 20   | BRADENTON BEACH  | Smith, H.A., Jr. 41  |
| Collect   | 41   | Painter, D. H. 17  |  |
| Colket,<br>M.B., Jr.  | 35   | Randolph, E. 82  | ORMOND BEACH   |
| Coote, R. J.  | 53   | BRIGHTON   | Moon, C. T. 12   |
| Crawford, W.A.  | 36   | Smiley, G. 43  | Thomas, L.V.H. 14  |
| Crowley,  | 30   |  | Wilson, F. S. 17   |
| J.F., Jr.   | 53   | CLEARWATER   | PALM BEACH   |
| Domincovich,  | 00   | Taylor, G. K. 13   | Collins, M. P. 92  |
| P. H.   | 45   | Taylor, K. P. A. 15  | ST. PETERSBURG   |
| Egolf, K. H.  | 31   | CLEWISTON  | Ervien, R. 08  |
| Ewald, H. P.  | 52   | Wood, F. H. *53  | El vien, it.   |
| Farr, R. L.   | 31   | COCOANUT GROVE   | SARASOTA   |
| Fay, A. B.  | 27   | Mathis, J. L. 51   | Banks, G. T. 27  |
| Fernandez, K.L.   | 53   | matilis, o. L. of  | Garrett, T. C. 25  |
| Fletcher, R.M.  | 50   | CORAL GABLES   | SEBRING  |
| Forster, S.A.   | 54   | Dawson, E. S. 40   | Stulting, G. C. 53   |
| Fox, C. E.  | 44   | Hurwitz, B. L. 21  |  |
| Fox, C. K.  | 28   | Schoch, W. D. 17   | SOUTH MIAMI  |
| Fraleigh, W.N.  | 38   | FORT LAUDERDALE  | Dothard, W.I., Jr. 32  |
| Hall, P., Jr.   | 22   | Moses, C.H.M., Jr. 47  | TALLAHASSEE  |
| Hammond, R.A.   | 52   |  | Andrews, E. J. 33  |
| Haynes, W.G.  | 55   | FORT MYERS   | Goodner, D. *35  |
| Henderson, H.   | 40   | Moore, G. H. 17  | Walton, F. R. 32   |
| Hollander, E.D.   | 28   | FORT PIERCE  |  |
| Howe, G. S.   | 48   | Edgar, G. B. 31  | TAMPA  |
| Huffman, R.M.   | 51   | _  | Andrew, F.V.W. 04  |
| Jackson, J. A.  | 50   | GAINESVILLE  | Howorth, H. P. 54  |
| Jackson, W. G.  | 26   | Maiden, D. R. 55   | WINTER HAVEN   |
| Jaeckel, R.   | 55   | HOLLYWOOD  | Newhall, W. F. 41  |
| Kelly, J. H.  | 54   | Patteson, W.S. 14  | WINTER PARK  |
|   |  |  |  |
| Kulberg, R.F.   | *52  | ISLAMODADA   |  |
| Lamphere, G.E.  | 52   | ISLAMORADA<br>Brown T.K. III. 27   | Sangree, P. H. 14  |
| Lamphere, G.E.<br>Leeds, K. B.  | 52<br>29   | Brown, T.K., III 37  |  |
| Lamphere, G.E.<br>Leeds, K. B.<br>Libby, E. K.  | 52<br>29<br>51   |  | Sangree, P. H. 14  |
| Lamphere, G.E.<br>Leeds, K. B.<br>Libby, E. K.<br>Lord, D. L.   | 52<br>29<br>51<br>25   | Brown, T.K., III 37  | Sangree, P. H. 14<br>Shippen, E.R., Jr. 31   |
| Lamphere, G.E.<br>Leeds, K. B.<br>Libby, E. K.<br>Lord, D. L.<br>Martin, J. W.  | 52<br>29<br>51<br>25<br>30   | Brown, T.K., III 37<br>Vanneman, T.H.A. 28   | Sangree, P. H. 14  |
| Lamphere, G.E.<br>Leeds, K. B.<br>Libby, E. K.<br>Lord, D. L.<br>Martin, J. W.<br>Mekeel, A. J.   | 52<br>29<br>51<br>25<br>30<br>31   | Brown, T.K., III 37<br>Vanneman, T.H.A. 28<br>JACKSONVILLE<br>Meldrum, T.W. 46   | Sangree, P. H. 14<br>Shippen, E.R., Jr. 31   |
| Lamphere, G.E.<br>Leeds, K. B.<br>Libby, E. K.<br>Lord, D. L.<br>Martin, J. W.<br>Mekeel, A. J.<br>Middleton, A.R.  | 52<br>29<br>51<br>25<br>30<br>31<br>27   | Brown, T.K., III 37<br>Vanneman, T.H.A. 28<br>JACKSONVILLE<br>Meldrum, T.W. 46<br>KENDALL  | Sangree, P. H. 14<br>Shippen, E.R., Jr. 31   |
| Lamphere, G.E.<br>Leeds, K. B.<br>Libby, E. K.<br>Lord, D. L.<br>Martin, J. W.<br>Mekeel, A. J.<br>Middleton, A.R.<br>Miller, J. L.   | 52<br>29<br>51<br>25<br>30<br>31<br>27<br>30   | Brown, T.K., III 37<br>Vanneman, T.H.A. 28<br>JACKSONVILLE<br>Meldrum, T.W. 46   | Sangree, P. H. 14<br>Shippen, E.R., Jr. 31<br>GEORGIA  |
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| Lamphere, G.E.<br>Leeds, K. B.<br>Libby, E. K.<br>Lord, D. L.<br>Martin, J. W.<br>Mekeel, A. J.<br>Middleton, A.R.<br>Miller, J. L.<br>Miller, R. L.<br>Morris, B. H.   | 52<br>29<br>51<br>25<br>30<br>31<br>27<br>30<br>29<br>30   | Brown, T. K., III 37<br>Vanneman, T.H.A. 28<br>JACKSONVILLE<br>Meldrum, T. W. 46<br>KENDALL<br>Leary, W. M. 26<br>KISSIMMU   | Sangree, P. H. 14<br>Shippen, E.R., Jr. 31<br>GEORGIA<br>ATLANTA<br>Abele, A. M. 21  |
| Lamphere, G.E. Leeds, K. B. Libby, E. K. Lord, D. L. Martin, J. W. Mekeel, A. J. Middleton, A.R. Miller, J. L. Miller, R. L. Morris, B. H. Moser, K. M.   | 52<br>29<br>51<br>25<br>30<br>31<br>27<br>30<br>29<br>30<br>50   | Brown, T. K., III 37<br>Vanneman, T.H.A. 28<br>JACKSONVILLE<br>Meldrum, T. W. 46<br>KENDALL<br>Leary, W. M. 26   | Sangree, P. H. 14<br>Shippen, E.R., Jr. 31<br>GEORGIA<br>ATLANTA<br>Abele, A. M. 21<br>Bailey, A. H. *31   |
| Lamphere, G.E. Leeds, K. B. Libby, E. K. Lord, D. L. Martin, J. W. Mekeel, A. J. Middleton, A.R. Miller, J. L. Miller, R. L. Morris, B. H. Moser, K. M. Phillips, J.  | 52<br>29<br>51<br>25<br>30<br>31<br>27<br>30<br>29<br>30<br>50   | Brown, T. K., III 37<br>Vanneman, T.H.A. 28<br>JACKSONVILLE<br>Meldrum, T. W. 46<br>KENDALL<br>Leary, W. M. 26<br>KISSIMMU   | Sangree, P. H. 14<br>Shippen, E.R., Jr. 31<br>GEORGIA  ATLANTA Abele, A. M. 21 Bailey, A. H. *31 Brodhead, B. 17   |
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| Lamphere, G.E. Leeds, K. B. Libby, E. K. Lord, D. L. Martin, J. W. Mekeel, A. J. Middleton, A.R. Miller, B. L. Morris, B. H. Moser, K. M. Phillips, J. Pickard, H. B. Poole, R. A. Price, R. N. Raper, H. C. Schmid, E. Segal, M. Selinger, M.A., Jr.   | 52<br>29<br>51<br>25<br>30<br>31<br>27<br>30<br>29<br>30<br>50<br>10<br>46<br>55<br>34<br>49   | Brown, T. K., III 37 Vanneman, T.H.A. 28  JACKSONVILLE Meldrum, T. W. 46  KENDALL Leary, W. M. 26  KISSIMMU Mott, R. H. 09  LAKE HAMILTON Conard, H. S. 94  LAKE WORTH Miller, I. W. 27 Patten, F. F. 35  LARGO Tingley, C. L. S., Jr. 25  MIAMI   | Sangree, P. H. 14 Shippen, E.R., Jr. 31  GEORGIA  ATLANTA Abele, A. M. 21 Bailey, A. H. *31 Brodhead, B. 17 Burbanck, W. D. *36 Hartshorne, C. 19 AUGUSTA Sutton, C. M. 19 CLARKESVILLE Henry, C. M. 31 GRIFFIN Boysen, A.C., Jr. 44 JESSUP  |
| Lamphere, G.E. Leeds, K. B. Libby, E. K. Lord, D. L. Martin, J. W. Mekeel, A. J. Middleton, A.R. Miller, J. L. Morris, B. H. Moser, K. M. Phillips, J. Pickard, H. B. Poole, R. A. Price, R. N. Raper, H. C. Schmid, E. Segal, M. Selinger, M.A., Jr. Stern, T.   | 52<br>29<br>51<br>25<br>30<br>31<br>27<br>30<br>29<br>30<br>50<br>10<br>33<br>40<br>46<br>55<br>34<br>49                               | Brown, T. K., III 37 Vanneman, T.H.A. 28  JACKSONVILLE Meldrum, T. W. 46  KENDALL Leary, W. M. 26  KISSIMMU Mott, R. H. 09  LAKE HAMILTON Conard, H. S. 94  LAKE WORTH Miller, I. W. 27 Patten, F. F. 35  LARGO Tingley, C. L. S., Jr. 25  MIAMI Hilles, W. T. 04  | Sangree, P. H. 14 Shippen, E.R., Jr. 31  GEORGIA  ATLANTA Abele, A. M. 21 Bailey, A. H. *31 Brodhead, B. 17 Burbanck, W.D. *36 Hartshorne, C. 19 AUGUSTA Sutton, C. M. 19 CLARKESVILLE Henry, C. M. 31 GRIFFIN Boysen, A.C., Jr. 44  |
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| Lamphere, G.E. Leeds, K. B. Libby, E. K. Lord, D. L. Martin, J. W. Mekeel, A. J. Middleton, A.R. Miller, B. L. Morris, B. H. Moser, K. M. Phillips, J. Pickard, H. B. Poole, R. A. Price, R. N. Raper, H. C. Schmid, E. Segal, M. Selinger, M.A., Jr. Stone, J. F. Thompson, C.R. Traccarella,  | 52<br>29<br>51<br>25<br>30<br>31<br>27<br>30<br>50<br>10<br>46<br>55<br>34<br>49<br>48<br>50<br>30<br>27                               | Brown, T. K., III 37 Vanneman, T.H.A. 28  JACKSONVILLE Meldrum, T. W. 46  KENDALL Leary, W. M. 26  KISSIMMU Mott, R. H. 09  LAKE HAMILTON Conard, H. S. 94  LAKE WORTH Miller, I. W. 27 Patten, F. F. 35  LARGO Tingley, C.L.S., Jr. 25  MIAMI Hilles, W. T. 04 Mactye, D. C. 52 Taylor, E.B., Jr. 00  | Sangree, P. H. 14 Shippen, E.R., Jr. 31  GEORGIA  ATLANTA Abele, A. M. 21 Bailey, A. H. *31 Brodhead, B. 17 Burbanck, W.D. *36 Hartshorne, C. 19 AUGUSTA Sutton, C. M. 19 CLARKESVILLE Henry, C. M. 31 GRIFFIN Boysen, A.C., Jr. 44 JESSUP Adams, Mrs. R. *46 LAKEMONT Hinrichs, W. E. 25                                  |
| Lamphere, G.E. Leeds, K. B. Libby, E. K. Lord, D. L. Martin, J. W. Mekeel, A. J. Midleton, A.R. Miller, R. L. Morris, B. H. Moser, K. M. Phillips, J. Pickard, H. B. Poole, R. A. Price, R. N. Raper, H. C. Schmid, E. Segal, M. Selinger, M.A., Jr. Stern, T. Stone, J. F. Thompson, C.R. Traccarella, E. A. Warfield, B.B. Weyl, N.                 | 52<br>29<br>51<br>25<br>30<br>31<br>27<br>30<br>29<br>30<br>50<br>10<br>33<br>40<br>46<br>55<br>34<br>49<br>48<br>50<br>30<br>27       | Brown, T. K., III 37 Vanneman, T.H.A. 28  JACKSONVILLE Meldrum, T. W. 46  KENDALL Leary, W. M. 26  KISSIMMU Mott, R. H. 09  LAKE HAMILTON Conard, H. S. 94  LAKE WORTH Miller, I. W. 27 Patten, F. F. 35  LARGO Tingley, C.L.S., Jr. 25  MIAMI Hilles, W. T. 04 Mactye, D. C. 52 Taylor, E.B., Jr. 00  MIAMI SPRINGS                         | Sangree, P. H. 14 Shippen, E.R., Jr. 31  GEORGIA  ATLANTA Abele, A. M. 21 Bailey, A. H. *31 Brodhead, B. 17 Burbanck, W. D. *36 Hartshorne, C. 19  AUGUSTA Sutton, C. M. 19 CLARKESVILLE Henry, C. M. 31 GRIFFIN Boysen, A.C., Jr. 44 JESSUP Adams, Mrs. R. *46 LAKEMONT Hinrichs, W. E. 25 LYERLY                         |
| Lamphere, G.E. Leeds, K. B. Libby, E. K. Lord, D. L. Martin, J. W. Mekeel, A. J. Middleton, A.R. Miller, R. L. Morris, B. H. Moser, K. M. Phillips, J. Pickard, H. B. Poole, R. A. Price, R. N. Raper, H. C. Schmid, E. Segal, M. Selinger, M.A., Jr. Stern, T. Stone, J. F. Thompson, C.R. Traccarella, E. A. Warfield, B.B. Weyl, N. Wolman, M.G.   | 52<br>29<br>51<br>25<br>30<br>31<br>27<br>30<br>50<br>10<br>50<br>10<br>46<br>55<br>34<br>49<br>48<br>50<br>27<br>49<br>25<br>31<br>46 | Brown, T. K., III 37 Vanneman, T.H.A. 28  JACKSONVILLE Meldrum, T. W. 46  KENDALL Leary, W. M. 26  KISSIMMU Mott, R. H. 09  LAKE HAMILTON Conard, H. S. 94  LAKE WORTH Miller, I. W. 27 Patten, F. F. 35  LARGO Tingley, C. L. S., Jr. 25  MIAMI Hilles, W. T. 04 Mactye, D. C. 52 Taylor, E.B., Jr. 00  MIAMI SPRINGS Lucas, R. M. 50       | Sangree, P. H. 14 Shippen, E.R., Jr. 31  GEORGIA  ATLANTA Abele, A. M. 21 Bailey, A. H. *31 Brodhead, B. 17 Burbanck, W.D. *36 Hartshorne, C. 19 AUGUSTA Sutton, C. M. 19 CLARKESVILLE Henry, C. M. 31 GRIFFIN Boysen, A.C., Jr. 44 JESSUP Adams, Mrs. R. *46 LAKEMONT Hinrichs, W. E. 25 LYERLY Hubler, G. W. 44          |
| Lamphere, G.E. Leeds, K. B. Libby, E. K. Lord, D. L. Martin, J. W. Mekeel, A. J. Middleton, A.R. Miller, R. L. Morris, B. H. Moser, K. M. Phillips, J. Pickard, H. B. Poole, R. A. Price, R. N. Raper, H. C. Schmid, E. Segal, M. Selinger, M.A., Jr. Stone, J. F. Thompson, C.R. Traccarella, E. A. Warfield, B.B. Weyl, N. Wolman, M.G. Wood, P. H. | 52<br>29<br>51<br>25<br>30<br>31<br>27<br>30<br>50<br>10<br>33<br>40<br>46<br>55<br>34<br>49<br>48<br>50<br>30<br>27                   | Brown, T. K., III 37 Vanneman, T.H.A. 28  JACKSONVILLE Meldrum, T. W. 46  KENDALL Leary, W. M. 26  KISSIMMU Mott, R. H. 09  LAKE HAMILTON Conard, H. S. 94  LAKE WORTH Miller, I. W. 27 Patten, F. F. 35  LARGO Tingley, C.L.S., Jr. 25  MIAMI Hilles, W. T. 04 Mactye, D. C. 52 Taylor, E.B., Jr. 00  MIAMI SPRINGS Lucas, R. M. 50  NAPLES | Sangree, P. H. 14 Shippen, E.R., Jr. 31  GEORGIA  ATLANTA Abele, A. M. 21 Bailey, A. H. *31 Brodhead, B. 17 Burbanck, W. D. *36 Hartshorne, C. 19  AUGUSTA Sutton, C. M. 19 CLARKESVILLE Henry, C. M. 31 GRIFFIN Boysen, A.C., Jr. 44 JESSUP Adams, Mrs. R. *46 LAKEMONT Hinrichs, W. E. 25 LYERLY Hubler, G. W. 44 TOCCOA |
| Lamphere, G.E. Leeds, K. B. Libby, E. K. Lord, D. L. Martin, J. W. Mekeel, A. J. Middleton, A.R. Miller, R. L. Morris, B. H. Moser, K. M. Phillips, J. Pickard, H. B. Poole, R. A. Price, R. N. Raper, H. C. Schmid, E. Segal, M. Selinger, M.A., Jr. Stern, T. Stone, J. F. Thompson, C.R. Traccarella, E. A. Warfield, B.B. Weyl, N. Wolman, M.G.   | 52<br>29<br>51<br>25<br>30<br>31<br>27<br>30<br>50<br>10<br>50<br>10<br>46<br>55<br>34<br>49<br>48<br>50<br>27<br>49<br>25<br>31<br>46 | Brown, T. K., III 37 Vanneman, T.H.A. 28  JACKSONVILLE Meldrum, T. W. 46  KENDALL Leary, W. M. 26  KISSIMMU Mott, R. H. 09  LAKE HAMILTON Conard, H. S. 94  LAKE WORTH Miller, I. W. 27 Patten, F. F. 35  LARGO Tingley, C. L. S., Jr. 25  MIAMI Hilles, W. T. 04 Mactye, D. C. 52 Taylor, E.B., Jr. 00  MIAMI SPRINGS Lucas, R. M. 50       | Sangree, P. H. 14 Shippen, E.R., Jr. 31  GEORGIA  ATLANTA Abele, A. M. 21 Bailey, A. H. *31 Brodhead, B. 17 Burbanck, W.D. *36 Hartshorne, C. 19 AUGUSTA Sutton, C. M. 19 CLARKESVILLE Henry, C. M. 31 GRIFFIN Boysen, A.C., Jr. 44 JESSUP Adams, Mrs. R. *46 LAKEMONT Hinrichs, W. E. 25 LYERLY Hubler, G. W. 44          |

| 11 | ОНАО                            |                | Sutton, G. C.<br>Webster, E. F.                    | 41 II<br>43     | NDIANA  |
|----|---------------------------------|----------------|--|-----------------|---|
|    | MOSCOW<br>Brockelbank,W.J.      | 19             | HIGHLAND PARK<br>Cocheu, L. C.<br>Robinson, C. N.  | 30<br>53        | BLOOMINGTON<br>Gray, H. H. 44<br>Gucker, F.T., Jr. 20     |
| 11 | LLINOIS                         |                | Wilbur, W. H.<br>LA GRANGE                         | 11              | BOONVILLE<br>Weyerbacher, K.W.41                          |
|    | ALTON<br>Ryrie, G. M.           | 43             | Dorsey, J. W.                                      | 41              | CAMBRIDGE CITY<br>Worl, J. 44                             |
|    | BATAVIA<br>Lowe, D. B., Jr.     | 40             | LAKE FOREST<br>Cordray, D. P.                      | 32              | CHESTERTON<br>Stiller, E. W. 30                           |
|    | Murphy, S.M., Jr. BERWYN        | 41             | LA SALLE<br>Carus, H.                              | 20              | CRAWFORDSVILLE<br>Lingeman, R. R. 53                      |
|    | Hall, A. W. CARTHAGE            | 17             | MACOMB<br>Harley, R. B.                            | 41              | Van Sickle, J. H. 53<br>Van Sickle, J. V. 13              |
|    | Swihart, S. L. CHICAGO          | 54             | NORTH BROOK<br>Grubb, K: P.                        | 45              | CULVER<br>Hodgkin, P. H. 33                               |
|    | Brainard, C.R.<br>Brown, J., IV | 55<br>30       | Krom, J. M.<br>OAK PARK                            | 44              | ELKHART<br>Haines, J. G. 33                               |
|    | Brownlee, J. E.                 | 31<br>49<br>26 | Solem, G. A.                                       | 52              | FORT WAYNE<br>Heberton, C. 52                             |
|    | Cadbury, C.J.                   | 43<br>46       | OTTAWA<br>Leibold, A. W.                           | 53              | GARY<br>Street, J. L. *44                                 |
|    | Fansler, T.                     | 50<br>21<br>24 | PARK FOREST<br>Kato, W. Y.                         | 45              | INDIANAPOLIS<br>Barrett, L. H. 10                         |
|    | Flanders, D. A. Foley, G. P.    | 20<br>32       | PEORIA<br>Wood, H.C., III                          | 24              | Brown, P. H. 13<br>Graves, G. H. 06<br>Mitchell, K. S. 17 |
|    | Gilbert, R. P.                  | 42<br>38       | RIVERSIDE  | 0.1             | Vinsinger, H.E. 45  |
|    | Latham, L.B.                    | 55<br>12       | Mengert, W. F. ROCKFORD                            | 21              | KOKOMO<br>Cooper, R. 37                                   |
|    | 0                               | 29<br>29       | Caskey, D. H.<br>Caskey, P. H.                     | 53<br>21        | LAFAYETTE<br>Hancock, J. O. 34                            |
|    | Maxfield, D. K.<br>Nyi, S. H.   | 36<br>51       | Cutting, H. O.                                     | 51              | MT. VERNON<br>Crabtree, J.D. 44                           |
|    | Renn, F. A. *                   | 45<br>50<br>26 | ST. CHARLES<br>Turner, C.W.                        | 49              | MUNSTER<br>Lloyd, S. L. 44                                |
|    | Sassaman, W.R.                  | 25<br>31       | SPRINGFIELD Miller, R.E., Jr.                      | 42              | NEW ALBANY<br>Atwood, K. 37                               |
|    | Smith, S. *                     | 45<br>35       | Richardson, B.K.<br>Vance, P. G.                   | 14<br>53        | RICHMOND  |
|    | Waples, D.                      | 54<br>14<br>31 | STERLING<br>Lawrence, E. F.                        | 17              | Harper, R. 52<br>Hobbs, G. T. 48<br>Hole, A.D., Jr. 30    |
|    | Wilson, F.T.                    | 52<br>29       | URBANA<br>Heller, J. L.                            | 27              | Matlack, C.W. 45<br>Reagan, W.J. 05                       |
|    | DES PLAINES<br>Sproule, J.      | 49             | Milner, P.C., II<br>Nock, F. J.                    | 52<br>26        | Schuckman, S.R. 53<br>Telfair, D. 37                      |
|    | ELMWOOD PARK                    | 55             | Wright, F. D. WILMETTE Guthrie, F. W.              | 37              | SOUTH BEND<br>Rhind, J. B. 43                             |
|    |                                 | 47             | WINNETKA   | 23              | OWA   |
|    | Gordy, E. L.                    | 33<br>25       | Kirk, W. T., Jr.<br>Marsh, J. C.                   | 43              |   |
|    | Kolostanyi, W. *                | 55<br>52<br>45 | Memhard,A.R.,Jr<br>Rosenbaum,C.P.<br>Stuart, S. R. | .35<br>52<br>44 | CEDAR FALLS Auld, L. W. 29 Barns, J. B. 97                |
|    |                                 |                |  |                 |   |

| EARLHAM<br>Mendenhall, L.H.                  | 13       | HARLAN<br>Hastings, F.W.                        | 42           | WEST SCARBORO<br>Prescott, K.        | 40       |
|--|----------|---|--------------|--------------------------------------|----------|
| IOWA CITY<br>Coder, W. D.                    | 21       | JEFFERSONTOWN Johnson, L. M.                    | 1<br>45      | WINTERPORT Jones, E. F.              | 07       |
| KEOKUK<br>Wightman, A. H.<br>Wightman, W. A. | 50<br>53 | LEXINGTON Duncan, J. A. Hammaker, E.M.          | 40<br>34     | MARYLAND                             |          |
| KNOXVILLE<br>Johnston, R.A.                  | 52       | LOUISVILLE<br>Abbott, C. W.<br>Burge, J.H., Jr. | 44<br>53     | ABERDEEN<br>Rodman, P. P.            | 37       |
| GRINNEL<br>Kuntz, P. G.                      | 37       | Gott, J.R., Jr.<br>Jones, H. B.                 | 27<br>34     | ANNAPOLIS<br>Read, K. E.             | 32       |
| GUTTENBERG<br>Poush, R. R.                   | 41       | Rivers, R. D.<br>Van Cleave, J.W.               | 47<br>37     | Russell, W. H.<br>Strohl, G.R., Jr.  | 33<br>41 |
| OSKALOOSA<br>Johnson, C.                     | 02       |   | * <b>4</b> 5 | ARMY CHEM. CENTER Chadwick, L. E.    | 25       |
| OTTUMWA<br>Gibbs, O.                         | 32       | PADUCAH<br>Pierson, P.M.                        | 50           | BALDWIN<br>Reynolds, R.R.            | 53       |
| SIOUX CITY<br>Beye, C. L.                    | 44 L     | OUISIANA  |              | BALTIMORE<br>Acton, C. B.            | 25       |
| WEST BRANCH<br>Cates, P.                     | 51       | DATON DOUGE                                     |              | Baker, T. E.                         | 29       |
| Cates, 1.                                    | 31       | BATON ROUGE<br>McCracken, H.L.                  | 15           | Beatty, J. M.                        | 13       |
|  |          | Rutt, N. E.                                     | 23           | Bernstein, D. S.<br>Blum, D. M.      | 49<br>50 |
| KANSAS                                       |          | CARVILLE  |              | Bready, J. H.                        | 39       |
| HUTCHINSON                                   |          | Wood, H.C., IV                                  | 50           | Buffington, H.O., Jr                 | .31      |
| Woodard, R.C.                                | 08       | NEW ORLEANS                                     |              | Carey, G. C.<br>Carey, J.            | 16       |
| BALDWIN                                      |          | Fox, J. P.                                      | 29           | Carlson, O.W., Jr.                   |          |
| Young, W. A.                                 | 06       | SHREVEPORT                                      |              | Cary, D. B.                          | 10       |
| LINWOOD                                      |          | Crane, M. L.                                    | 31           | Cone, D. F.                          | 55       |
| Votaw, G. J.                                 | 12       | Masterson, R.D.                                 | 55           | Conklin, W.T., III<br>Curtis, F. O.  | 51<br>26 |
| MANHATTEN                                    |          | Norton, R. W.                                   | 44           | Deaton, L. C.                        | 51       |
| Bayles, M.W.                                 | 27       |   |              | Dugdale, W.M.                        | 37       |
| STERLING                                     |          | AINE  |              | Dulaney, A.S., Jr. Dunton, W.R., Jr. | 36<br>89 |
| Dunlap, G. A.                                | 16       |   |              | Fenhagen, J. P.                      | 39       |
| ТОРЕКА                                       |          | BRUNSWICK                                       |              | Franke, O. L.                        | 55       |
| Hollingsworth,                               |          | Chapman, W.D.                                   | 46           | Franke, R. J.                        | 52       |
| J. E.  | 03       | CEDAR GROVE                                     |              | Froelicher, F.M. Froelicher, H.,Jr.  | 13<br>12 |
| Lobaugh, H.                                  | 20       | Mayers, C.W.                                    | 10           | Fuller, R. S.                        | 55       |
| VALLEY CENTER                                |          | FREEPORT  |              | Gould, S. B.                         | 49       |
| Hadley, L. N.                                | 13       | Wood, R.R., Jr.                                 | 53           | Graff, T. D.                         | 49       |
| WICHITA                                      |          | HEBRON  |              | Gundry, R. K.<br>Haviland, E.K.      | 53<br>23 |
| Brownlee, J. A.<br>Carter, S. R.             | 12<br>26 | Henderson, H. C.                                | 21           | Heilman, E. B.                       | 21       |
| Crow, Hollie E.                              | 10       | MANSET  | 4.1          | Herman, D. D.                        | 50       |
| Martinson, C.G.                              | 09       | Willis, J. M.                                   | 41           | Higinbothom, W.C. Hollander, D.H.    | 49<br>32 |
| WINFIELD                                     |          | ORONO   | 0.0          | Hollander, S., Jr.                   | 35       |
| Miller, F. R.                                | 54       | Wood, E.S., Jr.                                 | 26           | Hopkins, F. T.                       | 49       |
|  |          | PORTLAND  | 45           | Hunner, J. S.                        | 29       |
| KENTUCKY                                     |          | Baldwin, W.C.<br>Libby, R.G.                    | 05           | Koppelman, W., Jr.<br>Levin, M. J.   | 40<br>31 |
| KERTOCKT                                     |          | McIlhenny, W. J.                                | 47           | Lewis, D.C., Jr.                     | 26       |
| BOWLING GREEN                                |          | SOUTH HARPSWEI                                  | LL           | Lockard, J. D.                       | 34       |
| Burford, N., Jr.                             |          |   |              | MILLION W/ H                         | 49       |
|  | 42       | Etnier, S. M.                                   | 28           | Miller, W. H.                        |          |
| FRANKFORT                                    | 42       | Etnier, S. M. SOUTH PORTLAND                    |              | Morgan, V. P.<br>Morton, A. B.       | 35<br>07 |
| FRANKFORT<br>Sutterlin, J.S.                 | 42       |   | )            | Morgan, V. P.                        | 35       |

| Oppenheimer, M.                    | 48       | Silver, F. S.      | 20       | ROCKVILLE           |        |
|------------------------------------|----------|--------------------|----------|---------------------|--------|
| Pierson, J.W., Jr.                 | 45       | Silver, W. E.      | 22       | Brown, J.C.         | 51     |
| Prager, L. A.                      | 54       | DERWOOD            |          | Linthicum, S.       | 53     |
| Reno, R.R., Jr.                    | 54       | Brinton, H. P.     | 24       | Linthicum,          |        |
| Rosenthal, D. R.                   | 49       |                    |          | W. A., Jr.          | 50     |
| Sachs, S. H.                       | 54       | ELLICOTT CITY      | 10       | McDonald, J. G.     | 55     |
| Sener, J.W., Jr.                   | 50       | Parker, J. H.      | 12       | RUXTON              |        |
| Sondheim, W., Jr.                  | 29<br>13 | FORT GEORGE        |          | Gontrum, P.B.       | 54     |
| Stieff, F. P.<br>Sumwalt, C. E.    | 26       | Sharkey, J. T.     | 40       | Parker, J. L.       | 36     |
| Thomas, C.E., Jr                   |          | FREDERICK          |          | Sadtler, G. L.      | 24     |
| Thomas, H.M., Jr                   |          | Mathias,           |          | SALISBURY           |        |
| Townsend, A. J.                    | 18       | C. McC., Jr.       | 44       | Adkins, E.D., Jr.   | 36     |
| Weston, E. M.                      | 17       | Mathias, E. T.     | 50       | Downing, J.W., Jr.  | . 39   |
| Winslow, C.                        | 11       | Ranck, J. B., Jr.  | 52       | SANDY SPRING        |        |
| Winslow, J. L.                     | 01       | Stockwell, M.C.    | 32       | Ligon, C. H.        | 38     |
| Young, A. S.                       | 11       | GAITHERSBURG       |          | Ligon, C. II.       | 90     |
| BETHESDA                           |          | Kibbee, L. C.      | 43       | SILVER SPRING       |        |
| Bellinger, E. T.                   | 51       |                    |          |                     | * 54   |
| Besse, B. E., Jr.                  | 48       | GARRETT PARK       | + 40     | Bledsoe, S.C.D.     | 52     |
| Falge, R. L., Jr.                  | 53       | Cooper, W. A.      | *48      | Bledsoe, T. R.      | 55     |
| Fite, G. L.                        | 24       | GARRISON           |          | Clark, W. R.        | 48     |
| Gilbert, J. B.                     | 43       | Welbourne,         |          | Clayton, R. F.      | 46     |
| Harris, D. B.                      | 51       | E. H., Jr.         | 38       | Eagleton, S. J.     | 54     |
| Hart, C. W.                        | 34       | GIBSON ISLAND      |          | Hassman, S.         | 34     |
| Hoopes, C. D.                      | 51       | Hyde, B. B.        | 37       | Zisk, B.A.H.        | *52    |
| Hoopes, J. R.                      | 21       | Morley, F. M.      | 15       | Kelly, R. G.        | 37     |
| Katzenbach,                        | 32       | GLEN BURNIE        |          | Root, V. M.         | 45     |
| H.H., Jr.<br>Levintow, L.          | 43       | McCubbin, T. R.    | 39       | Spaulding, D.C.     | 42     |
| Norris, G., Jr.                    | 37       |                    | 00       | Whitman, P.M.       | 37     |
| Peden, J.C., Jr.                   | 51       | GLEN DALE          |          | Woodward, W.H.      | 43     |
| Severinghaus, J.W                  |          | Philips, R. S.     | 14       | TOWSON              |        |
| Stansbury, P.R.                    | 53       | HAGERSTOWN         |          | Vail, P. C.         | 51     |
| Thawley, S. B.                     | 46       | Cawl, M. A.        | 21       | W. HYATTSVILLE      |        |
| Trueblood, C.K.                    | 14       | Oswald, D. S.      | 48       | Werner, E.R., Jr.   |        |
| Wilbur, C. E.                      | 37       | Pugh, E.           | 37       |                     | -      |
| BRADDOCK HEIGH                     | ITS      | HAVRE DE GRAC      | E        | WHEATON             | 41     |
| Meldrum, D. N.                     | 47       | Ewing, J. M. S.    | 06       | Longley, J. B.      | 41     |
|                                    |          | Whitall, R.        | 46       | WILLIAMSPORT        |        |
| CAMBRIDGE                          | 0.5      |                    |          | Beard, W. L.        | 29     |
| Huelle, W. E.                      | 27       | HYATTSVILLE        | 40       |                     |        |
| CATONSVILLE                        |          | Bauer, R. D.       | 42<br>M  | ASSACHUSETTS        |        |
| Hoopes, J. R.                      | 48       | JESSUPS            | •••      |                     |        |
| CHEVERLY                           |          | Kindler, D.        | 48       | ANDOVER             |        |
| Cox, H. B.                         | 38       | KENSINGTON         |          | Hammond, E.E., Jr   |        |
|                                    | 80       | Laug, E. P.        | 25       | Penick, T. G.       | 55     |
| CHEVY CHASE                        | 0.0      | Townsend, W.L., J. |          | AUBURNDALE          |        |
| Bookman, G. B.                     | 36       | Whitman, J. T.     | 48       | Allen, P. R.        | 15     |
| Boteler, C.M., Jr.<br>Egolf, P. H. | 45<br>15 | OWINGS MILLS       |          | Bisson, T. N.       | 53     |
| Euster, R.                         | 54       | Lycett, I. C.      | 20       | BELMONT             |        |
| Hendon, R.R., Jr.                  | 48       | Lycett, I. C., Jr. | 48       | Alden, C. S.        | 44     |
| Hollander, B. M.                   | 37       |                    | 40       | Braucher, R.        | 36     |
| Jones, C.                          | 44       | PIKESVILLE         |          | Bush-Brown, A.      | 46     |
| Morrell, R. M.                     | 50       | Carey, A.M., Jr.   | 22       | Forsythe, A.H., Jr. |        |
| Muench, J. F.                      | 48       | Goodman, I. R.     | 49       | McKinstry, H.E.     | 17     |
| Steptoe, P.P.                      | 35       | Greif, L.L., Jr.   | 34       |                     |        |
| Tapke, P.                          | 52       | Hamburger, H.I.    | 55<br>38 | BEVERLY FARMS       | 21     |
| COLLEGE PARK                       |          | Kohn, L. B., II    | 00       | Brown, E. L.        | 64 .I. |
| Abbe, G.                           | 33       | PRINCESS ANNE      |          | BOSTON              |        |
| Arnold, H. H.                      | 18       | Lankford, H. F.    | 45       | Adimora, S. N.      | 51     |
|                                    |          |                    |          | Allen, R. G.        | 23     |
| DARLINGTON<br>Mason S In           | 10       | RIVERDALE          | *40      | Ball, E. G.         | 25     |
| Mason, S., Jr.                     | 10       | Holstrom, C.C.     | 10       | Bullinger, H. V.    | 01     |

| Cadbury, W. H.  | 49   | FOXBORO   |   | ROXBURY   |   |
|---|--|---|---|---|---|
| Curtis, S.  | 18   | Bowditch, H.L.  | 38  | Cottrell, C. T.   | 90  |
| Eshleman, F.M.  | 00   | FRAMINGHAM  |   | SCITUATE  |   |
| Febiger, W.S.   | 09   | CENTRE  |   | Goodridge, J.N.   | 32  |
| Hamilton, W.H.  | 23   | Allyn, H.B., II   | 49  |   |   |
| Hayman, J.M., Jr  |  | Birkinbine, J.L.  | 39  | SHARON  | 00  |
| Huber, W.M.   | 26   | Libbon, J. A.   | 45  | Swift, W. E.  | 29  |
| Inman, A. C.  | 17<br>22   |   |   | SHEFFIELD   |   |
| Janney, R. W.   | 50   | GRANBY  | 1.0   | Brown, M.S.   | 53  |
| Katz, J. Z.<br>Kaye, W. G.  | 54   | Curtis, F. A.   | 13  | Roesler, J. B.  | 44  |
| Leonard, L. M.  | 52   | GROTON  |   | SHREWSBURY  |   |
| Martin, D. B.   | 50   | Pleasants, R.R.   | 34  |   | 50  |
| Matthews, N.E.  | 54   | **********  |   | Reitzel, N. M.  | 90  |
| McLellan, P.F.  | 42   | HAVERHILL   | 0.0   | SOMERVILLE  |   |
| Smith, F.W.   | 28   | Norr, M.  | 30  | Walker, I. G.   | 50  |
| Taylor, P.  | *52  | HINGHAM   |   | SOUTH ACTON   |   |
|   | 02   | Loder, J. E.  | 53  | Winslow, E. F.  | 13  |
| BRAINTREE   |  |   |   | winsiow, E. F.  | 10  |
| Mattson, N. DeW   | . 53   | LEXINGTON   | 4.0   | SOUTH HAMILTON  | 1   |
| Nichols, B.T.   | *44  | Bryson, A.E., Jr.   | 46  | Taylor, R. C.   | 49  |
| BROOKLINE   |  | Firth, R. *   | 38  | SOUTH LINCOLN   |   |
| Contakos, S.C.  | 55   | Hansen, H. L.<br>Mason, H.  | 33<br>40  | Conant, R. K.   | 51  |
| Gaensler, E.A.  | 42   | mason, n.   | 40  | Woodward, T.M., Jr  |   |
| Levinson, H.W.  | 48   | LINCOLN   |   |   | .02   |
| Melick, R.  | 51   | Nunez, V.E., Jr.  | 46  | SPRINGFIELD   |   |
|   | -  | LITTLETON   |   | Perry, F. N.  | 22  |
| CAMBRIDGE   |  | Bell, E.D., Jr.   | 42  | Van Sickle, S.C.  | 20  |
| Bibbins, M.W.   | 54   | Dell, E.D., 31.   | 44  | STOCKBRIDGE   |   |
| Blackman, J.L., J.  |  | LONGMEADOW  |   | Clark, D. V.  | 53  |
| Chamberlin, W.H   |  | Gilmour, A.   | 26  |   |   |
| Frink, O.   | 54   | MEDFORD   |   | SWAMPSCOTT  | 0.17  |
| Goodman, T. P.  | 46   | Lande, P. W.  | 52  | Andrews, H. A.  | 37  |
| Gummere, R.M.   | 46   | Lande, I. W.  | 02  | Fay, L. E.  | 32  |
|   |  |   |   |   |   |
| Guttmacher, J.A.  | 52   | MELROSE   |   | TOPSFIELD   |   |
| Harris, W. H.   | 48   | HIGHLANDS   |   |   | 42  |
| Harris, W. H.<br>Hsia, D. Y. Y.   | 48<br>45   |   | 23  | Bye, J. E.  |   |
| Harris, W. H.<br>Hsia, D. Y. Y.<br>Klots, C. E.   | 48<br>45<br>55   | HIGHLANDS Stevenson, J.B.   | 23  | Bye, J. E.<br>VINEYARD HAVEN  | 1   |
| Harris, W. H.<br>Hsia, D.Y.Y.<br>Klots, C. E.<br>Levensohn, A.M.  | 48<br>45<br>55<br>48   | HIGHLANDS<br>Stevenson, J.B.<br>MIDDLEBORO  |   | Bye, J. E.  |   |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T.  | 48<br>45<br>55<br>48<br>41   | HIGHLANDS<br>Stevenson, J.B.<br>MIDDLEBORO<br>Conklin, F. H.  | 23<br>95  | Bye, J. E.<br>VINEYARD HAVEN  | 1   |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E.   | 48<br>45<br>55<br>48<br>41<br>* 45   | HIGHLANDS<br>Stevenson, J.B.<br>MIDDLEBORO<br>Conklin, F.H.<br>MILTON,  | 95  | Bye, J. E. VINEYARD HAVEN Scott, A. L., Jr.   | 1   |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N.  | 48<br>45<br>55<br>48<br>41<br>*45<br>*53   | HIGHLANDS<br>Stevenson, J.B.<br>MIDDLEBORO<br>Conklin, F. H.<br>MILTON,<br>Howland, W.  | 95<br>17  | Bye, J. E. VINEYARD HAVEN Scott, A. L., Jr. WABAN Hoskins, R. G.  | 37  |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr.  | 48<br>45<br>55<br>48<br>41<br>*45<br>*53<br>49   | HIGHLANDS<br>Stevenson, J.B.<br>MIDDLEBORO<br>Conklin, F. H.<br>MILTON,<br>Howland, W.<br>Perry, D. R.  | 95<br>17<br>54  | Bye, J. E. VINEYARD HAVEN Scott, A. L., Jr. WABAN Hoskins, R. G. Tebbetts, J. W.  | 37<br>49  |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr. Ricks, R.A., III   | 48<br>45<br>55<br>48<br>41<br>*45<br>*53<br>49<br>45   | HIGHLANDS<br>Stevenson, J.B.<br>MIDDLEBORO<br>Conklin, F. H.<br>MILTON,<br>Howland, W.  | 95<br>17  | Bye, J. E.  VINEYARD HAVEN Scott, A. L., Jr.  WABAN Hoskins, R. G. Tebbetts, J. W.  WALPOLE   | 37<br>49<br>*11   |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr. Ricks, R.A., III Simmons, T. L.  | 48<br>45<br>55<br>48<br>41<br>*45<br>*53<br>49<br>45<br>38   | HIGHLANDS<br>Stevenson, J.B.<br>MIDDLEBORO<br>Conklin, F. H.<br>MILTON,<br>Howland, W.<br>Perry, D. R.  | 95<br>17<br>54  | Bye, J. E.  VINEYARD HAVEN Scott, A. L., Jr.  WABAN Hoskins, R. G. Tebbetts, J. W.  WALPOLE Allen, J. J.  | 37<br>49<br>*11   |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr. Ricks, R.A., III Simmons, T. L. Tabbutt, F. D.   | 48<br>45<br>55<br>48<br>41<br>* 45<br>* 53<br>49<br>45<br>38<br>53   | HIGHLANDS Stevenson, J.B. MIDDLEBORO Conklin, F. H. MILTON, Howland, W. Perry, D. R. Pile, W. H. NAHANT   | 95<br>17<br>54  | Bye, J. E.  VINEYARD HAVEN Scott, A. L., Jr.  WABAN Hoskins, R. G. Tebbetts, J. W.  WALPOLE Allen, J. J. Chapin, D. B.  | 37<br>49<br>*11   |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr. Ricks, R.A., III Simmons, T. L.  | 48<br>45<br>55<br>48<br>41<br>*45<br>*53<br>49<br>45<br>38   | HIGHLANDS Stevenson, J.B. MIDDLEBORO Conklin, F. H. MILTON, Howland, W. Perry, D. R. Pile, W. H. NAHANT Stokes, J., III   | 95<br>17<br>54<br>41<br>46                                    | Bye, J. E.  VINEYARD HAVEN Scott, A. L., Jr.  WABAN Hoskins, R. G. Tebbetts, J. W.  WALPOLE Allen, J. J.  | 37<br>49<br>*11   |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr. Ricks, R.A., III Simmons, T. L. Tabbutt, F. D. Watson, W.B. CHESTNUT HILL  | 48<br>45<br>55<br>48<br>41<br>*45<br>*53<br>49<br>45<br>38<br>53<br>54   | HIGHLANDS Stevenson, J.B. MIDDLEBORO Conklin, F. H. MILTON, Howland, W. Perry, D. R. Pile, W. H. NAHANT Stokes, J., III NEWTON CENTER   | 95<br>17<br>54<br>41<br>46                                    | Bye, J. E.  VINEYARD HAVEN Scott, A. L., Jr.  WABAN Hoskins, R. G. Tebbetts, J. W.  WALPOLE Allen, J. J. Chapin, D. B.  | 37<br>49<br>*11   |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr. Ricks, R.A., III Simmons, T. L. Tabbutt, F. D. Watson, W.B.  | 48<br>45<br>55<br>48<br>41<br>*45<br>*53<br>49<br>45<br>38<br>53<br>54   | HIGHLANDS Stevenson, J.B. MIDDLEBORO Conklin, F. H. MILTON, Howland, W. Perry, D. R. Pile, W. H. NAHANT Stokes, J., III NEWTON CENTER Andrus, S. B.   | 95<br>17<br>54<br>41<br>46<br>R                               | Bye, J. E.  VINEYARD HAVEN Scott, A. L., Jr.  WABAN Hoskins, R. G. Tebbetts, J. W.  WALPOLE Allen, J. J. Chapin, D. B.  WALTHAM Harper, R.  | 37<br>49<br>11<br>55<br>39  |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr. Ricks, R.A., III Simmons, T. L. Tabbutt, F. D. Watson, W.B. CHESTNUT HILL Golding, J. T.   | 48<br>45<br>55<br>48<br>41<br>*45<br>*53<br>49<br>45<br>38<br>53<br>54   | HIGHLANDS Stevenson, J.B. MIDDLEBORO Conklin, F. H. MILTON, Howland, W. Perry, D. R. Pile, W. H. NAHANT Stokes, J., III NEWTON CENTER   | 95<br>17<br>54<br>41<br>46                                    | Bye, J. E.  VINEYARD HAVEN Scott, A. L., Jr.  WABAN Hoskins, R. G. Tebbetts, J. W.  WALPOLE Allen, J. J. Chapin, D. B.  WALTHAM Harper, R.  | 37<br>49<br>*11<br>55<br>39<br>49   |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr. Ricks, R.A., III Simmons, T. L. Tabbutt, F. D. Watson, W.B. CHESTNUT HILL Golding, J. T. CONCORD   | 48<br>45<br>55<br>48<br>41<br>*45<br>*53<br>49<br>45<br>38<br>53<br>54   | HIGHLANDS Stevenson, J.B. MIDDLEBORO Conklin, F. H. MILTON, Howland, W. Perry, D. R. Pile, W. H. NAHANT Stokes, J., III NEWTON CENTER Andrus, S. B.   | 95<br>17<br>54<br>41<br>46<br>R                               | Bye, J. E.  VINEYARD HAVEN Scott, A. L., Jr.  WABAN Hoskins, R. G. Tebbetts, J. W.  WALPOLE Allen, J. J. Chapin, D. B.  WALTHAM Harper, R.  WATERTOWN Anders, W.F.K.  | 37<br>49<br>*11<br>55<br>39<br>49   |
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| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr. Ricks, R.A., III Simmons, T. L. Tabbutt, F. D. Watson, W.B. CHESTNUT HILL Golding, J. T. CONCORD Bond, W. H. Drinker, H.S., Jr.  | 48<br>45<br>55<br>48<br>41<br>*45<br>*53<br>49<br>45<br>38<br>53<br>54<br>31   | HIGHLANDS Stevenson, J.B. MIDDLE BORO Conklin, F. H. MILTON, Howland, W. Perry, D. R. Pile, W. H. NAHANT Stokes, J., III NEWTON CENTER Andrus, S. B. Farr, E. L. NEWTON   | 95<br>17<br>54<br>41<br>46<br>8<br>41<br>15                   | Bye, J. E.  VINEYARD HAVEN Scott, A. L., Jr.  WABAN Hoskins, R. G. Tebbetts, J. W.  WALPOLE Allen, J. J. Chapin, D. B.  WALTHAM Harper, R.  WATERTOWN Anders, W.F.K.  | 37<br>49<br>*11<br>55<br>39<br>49   |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr. Ricks, R.A., III Simmons, T. L. Tabbutt, F. D. Watson, W.B. CHESTNUT HILL Golding, J. T. CONCORD Bond, W. H. Drinker, H.S., Jr. Underhill, R.L.M.  | 48<br>45<br>55<br>48<br>41<br>*45<br>*53<br>49<br>45<br>38<br>53<br>54<br>31   | HIGHLANDS Stevenson, J.B. MIDDLEBORO Conklin, F.H. MILTON, Howland, W. Perry, D. R. Pile, W. H. NAHANT Stokes, J., III NEWTON CENTER Andrus, S. B. Farr, E. L. NEWTON Harrer, J. M.   | 95<br>17<br>54<br>41<br>46<br>8<br>41<br>15                   | Bye, J. E.  VINEYARD HAVEN Scott, A. L., Jr.  WABAN Hoskins, R. G. Tebbetts, J. W.  WALPOLE Allen, J. J. Chapin, D. B.  WALTHAM Harper, R.  WATERTOWN Anders, W.F.K. Bush, J. H. Dibble, J. S.  | 37<br>49<br>*11<br>55<br>39<br>49<br>51<br>45   |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr. Ricks, R.A., III Simmons, T. L. Tabbutt, F. D. Watson, W.B. CHESTNUT HILL Golding, J. T. CONCORD Bond, W. H. Drinker, H.S., Jr. Underhill, R. L. M. White, R. M.   | 48<br>45<br>55<br>48<br>41<br>*45<br>*53<br>49<br>45<br>38<br>53<br>54<br>31   | HIGHLANDS Stevenson, J.B. MIDDLEBORO Conklin, F.H. MILTON, Howland, W. Perry, D. R. Pile, W. H. NAHANT Stokes, J., III NEWTON CENTER Andrus, S. B. Farr, E. L. NEWTON Harrer, J. M. Pike, B. E. Wright, K. A.   | 95<br>17<br>54<br>41<br>46<br>1<br>41<br>15<br>45<br>52       | Bye, J. E.  VINEYARD HAVEN Scott, A. L., Jr.  WABAN Hoskins, R. G. Tebbetts, J. W.  WALPOLE Allen, J. J. Chapin, D. B.  WALTHAM Harper, R.  WATERTOWN Anders, W.F.K. Bush, J. H. Dibble, J. S.  WELLESLEY   | 37<br>49<br>*11<br>55<br>39<br>49<br>51<br>45<br>53   |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr. Ricks, R.A., III Simmons, T. L. Tabbutt, F. D. Watson, W.B. CHESTNUT HILL Golding, J. T. CONCORD Bond, W. H. Drinker, H.S., Jr. Underhill, R.L.M. White, R. M. DOVER   | 48<br>45<br>55<br>48<br>41<br>*45<br>*53<br>49<br>45<br>38<br>53<br>54<br>31<br>37<br>37<br>37<br>39                                       | HIGHLANDS Stevenson, J.B. MIDDLEBORO Conklin, F. H. MILTON, Howland, W. Perry, D. R. Pile, W. H. NAHANT Stokes, J., III NEWTON CENTER Andrus, S. B. Farr, E. L. NEWTON Harrer, J. M. Pike, B. E. Wright, K. A. NEWTON   | 95<br>17<br>54<br>41<br>46<br>1<br>41<br>15<br>45<br>52       | Bye, J. E.  VINEYARD HAVEN Scott, A. L., Jr.  WABAN Hoskins, R. G. Tebbetts, J. W.  WALPOLE Allen, J. J. Chapin, D. B.  WALTHAM Harper, R.  WATERTOWN Anders, W.F.K. Bush, J. H. Dibble, J. S.  | 37<br>49<br>*11<br>55<br>39<br>49<br>51<br>45   |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr. Ricks, R.A., III Simmons, T. L. Tabbutt, F. D. Watson, W.B. CHESTNUT HILL Golding, J. T. CONCORD Bond, W. H. Drinker, H.S., Jr. Underhill, R. L. M. White, R. M. DOVER Branson, A. D.  | 48<br>45<br>55<br>48<br>41<br>*45<br>*53<br>49<br>45<br>38<br>53<br>54<br>31<br>37<br>37<br>40<br>99<br>41                                 | HIGHLANDS Stevenson, J.B. MIDDLEBORO Conklin, F. H. MILTON, Howland, W. Perry, D. R. Pile, W. H. NAHANT Stokes, J., III NEWTON CENTER Andrus, S. B. Farr, E. L. NEWTON Harrer, J. M. Pike, B. E. Wright, K. A. NEWTON LOWER FALLS   | 95<br>17<br>54<br>41<br>46<br>8<br>41<br>15<br>45<br>52<br>41 | Bye, J. E.  VINEYARD HAVEN Scott, A. L., Jr.  WABAN Hoskins, R. G. Tebbetts, J. W.  WALPOLE Allen, J. J. Chapin, D. B.  WALTHAM Harper, R.  WATERTOWN Anders, W.F.K. Bush, J. H. Dibble, J. S.  WELLESLEY Hill, A. T.   | 37<br>49<br>*11<br>55<br>39<br>49<br>51<br>45<br>53   |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr. Ricks, R.A., III Simmons, T. L. Tabbutt, F. D. Watson, W.B. CHESTNUT HILL Golding, J. T. CONCORD Bond, W. H. Drinker, H.S., Jr. Underhill, R. L. M. White, R. M. DOVER Branson, A. D. Brown, C. F.   | 48<br>45<br>55<br>48<br>41<br>*45<br>*53<br>49<br>45<br>38<br>53<br>54<br>31<br>37<br>37<br>37<br>37<br>39<br>41<br>17                     | HIGHLANDS Stevenson, J.B. MIDDLEBORO Conklin, F. H. MILTON, Howland, W. Perry, D. R. Pile, W. H. NAHANT Stokes, J., III NEWTON CENTER Andrus, S. B. Farr, E. L. NEWTON Harrer, J. M. Pike, B. E. Wright, K. A. NEWTON LOWER FALLS Morris, L. E.   | 95<br>17<br>54<br>41<br>46<br>1<br>41<br>15<br>45<br>52       | Bye, J. E.  VINEYARD HAVEN Scott, A. L., Jr.  WABAN Hoskins, R. G. Tebbetts, J. W.  WALPOLE Allen, J. J. Chapin, D. B.  WALTHAM Harper, R.  WATERTOWN Anders, W.F.K. Bush, J. H. Dibble, J. S.  WELLESLEY Hill, A. T.   | 37<br>49<br>*11<br>55<br>39<br>49<br>51<br>45<br>53   |
| Harris, W. H. Hsia, D. Y. Y. Klots, C. E. Levensohn, A.M. Little, T. Morrison, E. Plank, J. N. Richie, R.H., Jr. Ricks, R.A., III Simmons, T. L. Tabbutt, F. D. Watson, W.B. CHESTNUT HILL Golding, J. T. CONCORD Bond, W. H. Drinker, H.S., Jr. Underhill, R. L. M. White, R. M. DOVER Branson, A. D.  | 48<br>45<br>55<br>48<br>41<br>*45<br>*53<br>49<br>45<br>38<br>53<br>54<br>31<br>37<br>37<br>40<br>99<br>41                                 | HIGHLANDS Stevenson, J.B. MIDDLE BORO Conklin, F. H. MILTON, Howland, W. Perry, D. R. Pile, W. H. NAHANT Stokes, J., III NEWTON CENTER Andrus, S. B. Farr, E. L. NEWTON Harrer, J. M. Pike, B. E. Wright, K. A. NEWTON LOWER FALLS Morris, L. E. NORTHAMPTON  | 95 17 54 41 46 8 41 15 45 52 41                               | Bye, J. E.  VINEYARD HAVEN Scott, A. L., Jr.  WABAN Hoskins, R. G. Tebbetts, J. W.  WALPOLE Allen, J. J. Chapin, D. B.  WALTHAM Harper, R.  WATERTOWN Anders, W.F.K. Bush, J. H. Dibble, J. S.  WELLESLEY Hill, A. T.  WELLESLEY HILL Brown, E. W.  | 37<br>49<br>*11<br>55<br>39<br>49<br>51<br>45<br>53<br>30                                     |
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| Haig, C. 04 Peters, C. K. 40 Reed, J. H. 30 Wesson, L.G., Jr. Scheffner, E. R. 41 LINWOOD MOORESTOWN Allen, C. J. Allen, J. W. J. Carson, W. Elkinton, T. W. Flanders, P. J. Haines, E. C. | 18<br>38<br>00<br>37<br>41<br>98<br>06<br>14<br>15<br>12<br>16<br>23<br>25<br>25<br>32<br>44<br>06<br>08<br>13<br>43<br>43<br>43<br>43<br>43<br>43<br>44<br>44<br>44<br>4 |
|--|---|
| FANWOOD   Hughes, J. E. 04   Allen, C. J.  | 37<br>41<br>98<br>006<br>14<br>51<br>22<br>53<br>24<br>006<br>08<br>31<br>43<br>43<br>43<br>13<br>445<br>38<br>53<br>10<br>14<br>44<br>44<br>20                           |
| Brownlee, H. J. 49   | 37<br>41<br>98<br>006<br>14<br>51<br>22<br>53<br>24<br>006<br>08<br>31<br>43<br>43<br>43<br>13<br>445<br>38<br>53<br>10<br>14<br>44<br>44<br>20                           |
| GLEN RIDGE Clark, J. A. 42 Miller, W. B. 50 Stein, J.H., Jr. 53 Thompson, D. C. 42 Tomlinson, T. 14 Vedova, H. F. 51  GLEN ROCK Spencer, H. F. 20 Swigert, J. B. 41  HADDON FIELD Aldridge, G. L. 42 Allen, C. F. 01 Diehl, J. R. 36 Elkinton, T. 44 Furness, H. A. 10 Gardiner, W. Jr. 17 Harden, D. S. 50 Harper, S., Jr. 26 Hartel, J. N. 32 Hemphill, E. H. 29 Inglis, A. F. 41 Lowry, B. H. 26 Marshall, D. L. 44 Pelouze, H. P., Jr. 33 Pennypacker, J. W. 41 Wills, R. P. 35  MARLTON  Allon GR BRANCH Slikinton, T. W. Flanders, P. J. Handers, P. J. Handers, P. J. Harden, D. S. Cadbury, W. W. Carson, M. Carson, L. Likdea, M. Jefferis, W.H. Kennard, W. Linton, M. A. Litchfield, W.N. Meader, J. W. M | 41<br>98<br>96<br>14<br>51<br>22<br>52<br>25<br>53<br>24<br>96<br>98<br>88<br>98<br>98<br>98<br>98<br>98<br>98<br>98<br>98  |
| GLEN RIDGE         LITTLE SILVER         Cadbury, W.W.           Clark, J. A.         42         Kingsbury, E.H.         26           Miller, W. B.         50         LONG BRANCH         Elkinton, T. W.           Stein, J.H., Jr.         53         Morris, R. L.         49           Thompson, D.C.         42         Hollingshead, I.           Tomlinson, T.         14         LUMBERTON         Haines, E. C.           Vedova, H. F.         51         Thacher, J.W., Jr.         43           GLEN ROCK         MADISON         Hollingshead, I.           Spencer, H. F.         20         Allen, A. C.         55           Swigert, J. B.         41         Baker, D. H.         43           HADDONFIELD         Bishop, J. A.         29         Litchfield, W.N.           Allen, C. F.         01         Foster, M. J.         52         Litchfield, W.N.           Meader, S. W.         Preston, E., III         Reagen, J. H.         Meader, S. W.         Preston, E., III           Furness, H. A.         10         MAHWEH         Reeve, W. F.         Richie, D. S.           Harper, S., Jr.         26         MANASQUAN         Roberts, W.H., Jr         Smith, R. C.           Hemphill, E. H.         29   | 98<br>98<br>96<br>14<br>51<br>226<br>223<br>225<br>53<br>24<br>008<br>31<br>43<br>13<br>44<br>38<br>38<br>30<br>112<br>114<br>144<br>144<br>144<br>144<br>144<br>144      |
| Clark, J. A. 42 Miller, W. B. 50 Stein, J.H., Jr. 53 Thompson, D.C. 42 Tomlinson, T. 14 Vedova, H. F. 51  GLEN ROCK Spencer, H. F. 20 Swigert, J. B. 41  HADDON FIELD Aldridge, G. L. 42 Allen, C. F. 01 Diehl, J. R. 36 Elkinton, T. 44 Furness, H. A. 10 Gardiner, W. J. 17 Harden, D. S. 50 Harper, S., Jr. 26 Hartel, J. N. 32 Hemphill, E. H. 29 Inglis, A. F. 41 Lowry, B. H. 26 Marshall, D. L. 44 Pelouze, H.P., Jr. 33 Pennypacker, J.W. 9 Rogers, A. S. 43 Shoemaker, D.W. 41 Wills, R. P. 35  MARLTON  Kingsbury, E.H. 26 Morris, R. L. 49 Llong BRANCH Elkinton, T. 49 Haines, E. C. Haines, E. C. Haines, R. L. Heyer, C. D. Hollingshead, I. Reda, M. Jefferis, W. H. Kennard, W. Linton, M. A. Litchfield, W.N. Meader, J. H. Meader, S. W. Preston, E., III Reagan, L. B. Roberts, W.H., Jr Smith, R. C. Stokes, F. C. Stokes, S. E., Jr. Stubbs, T. H. Thacher, J. W. MORE ISTOWN   | 06<br>14<br>51<br>21<br>26<br>22<br>3<br>22<br>5<br>53<br>24<br>06<br>08<br>31<br>43<br>38<br>85<br>30<br>12<br>14<br>44<br>14<br>44<br>20                                |
| Miller, W. B.         50         LONG BRANCH         Elkinton, T. W.           Stein, J.H., Jr.         53         Morris, R. L.         49           Thompson, D.C.         42         Haines, P. J.           Tomlinson, T.         14         LUMBERTON         Haines, E. C.           Vedova, H. F.         51         Thacher, J.W., Jr. 43         Heyer, C. D.           GLEN ROCK         MADISON         Hollingshead, I.           Spencer, H. F.         20         Allen, A. C.         55           Swigert, J. B.         41         Baker, D. H.         43           HADDON FIELD         Bishop, J. A.         29         Linton, M. A.           Aldridge, G. L.         42         Elder, L.W., Jr.         20         Litchfield, W.N.           Allen, C. F.         01         Schultz, R.         23         Meader, J. H.         Meader, J. H.           Diehl, J. R.         36         Schultz, R.         23         Meader, J. H.         Meader, S. W.           Furness, H. A.         10         MAHWEH         Reagan, L. B.         Reeve, W. F.           Harden, D. S.         50         MANASQUAN         Richie, D. S.         Roberts, W.H., Jr           Hemphill, E. H.         29         Hemphill, G. <t< td=""><td>14<br/>51<br/>21<br/>26<br/>23<br/>25<br/>55<br/>32<br/>24<br/>06<br/>08<br/>31<br/>43<br/>31<br/>38<br/>85<br/>30<br/>11<br/>44<br/>11<br/>44<br/>44<br/>20</td></t<>  | 14<br>51<br>21<br>26<br>23<br>25<br>55<br>32<br>24<br>06<br>08<br>31<br>43<br>31<br>38<br>85<br>30<br>11<br>44<br>11<br>44<br>44<br>20                                    |
| Stein, J.H., Jr. Thompson, D.C. 42         Morris, R. L. 49         Haines, E. C. Haines, R. L. Heyer, C. D. Hollingshead, I. Reda, M. Jefferis, W. H. Kennard, W. Heyer, C. D. Hollingshead, I. Reda, M. Jefferis, W. H. Kennard, W. Linton, M. A. Litchfield, W.N. Jefferis, W. H. Kennard, W. Linton, M. A. Litchfield, W.N. Meader, J. H. Molding, G. L. 42         Allen, A. C. 55         Kennard, W. Linton, M. A. Litchfield, W.N. Meader, J. H. Meader, S. W. Preston, E., III Reagan, L. B. Gardiner, W. J. 17         MahWEH Reagan, L. B. Reeve, W. F. Richie, D. S. MannasQuan Regers, Jr. 26         Mannyllle Reger, A.J., Jr. 44         Reeve, W. F. Stokes, J. M. Stokes, S. E. Jr. Shoemaker, D.W. 41         Mannyllle Reger, H. E., Jr. 41         Morris, R. L. 49         Maines, E. C. Haines, R. L. Heyer, C. D. Hollingshead, I. Reda, M. Jefferis, W. H. Kennard, W. Linton, M. A. Litchfield, W. N. Meader, J. W. Meader, S. W. Preston, E., III Reagan, L. B. Reagan, L. B. Reagan, L. B. Reagan, L. B. Reeve, W. F. Richie, D. S. Roberts, W. H., Jr Smith, R. C. Stokes, F. C. Stokes, F. C. Stokes, J. M. Stokes, S. E. Stokes, S. E. Stokes, S. E. Stokes, S. E. Jr. Stubbs, T. H. Thacher, J. W. Turley, K. H. Thacher, J. W. Turley, K. H. Wood, R. N. HADDON HEIGHTS   | 51<br>21<br>226<br>223<br>255<br>53<br>24<br>008<br>31<br>43<br>13<br>445<br>38<br>885<br>30<br>12<br>14<br>14<br>44<br>20  |
| Thompson, D. C. 42 Tomlinson, T. 14 Vedova, H. F. 51  GLEN ROCK Spencer, H. F. 20 Swigert, J. B. 41  HADDONFIELD Aldridge, G. L. 42 Allen, C. F. 01 Diehl, J. R. 36 Elkinton, T. 44 Furness, H. A. 10 Gardiner, W. J. 17 Harden, D. S. 50 Harper, S., Jr. 26 Harper, S., Jr. 26 Harper, S., Jr. 26 MANOVILLE Inglis, A. F. 41 Lowry, B. H. 26 Marshall, D. L. 44 Pelouze, H. P., Jr. 33 Pennypacker, J. W. 41 Shoemaker, D. W. 41 Wills, R. P. 35  MARLTON  MADISON  Haines, E. C. Haines, R. L. Heyer, C. D. Halines, R. L. Heyer, C. D. Haines, R. L. Heyer, C. D. Hollingshead, I. Reda, M. Jefferis, W. H. Kennard, W. Linton, M. A. Litchfield, W.N. Meader, J. H. Meader, S. W. Preston, E., III Reagan, L. B. Reeve, W. F. Richie, D. S. Roberts, W.H., Jr Smith, R. C. Stokes, J. M. Stokes, S. E. MAPLEWOOD Rogers, A. S. 43 MARGATE CITY Stubbs, T. H. Thacher, J. W. Turley, K. H. Wood, A. C., III Wood, R. N.  | 21<br>226<br>223<br>255<br>53<br>24<br>006<br>008<br>31<br>43<br>43<br>45<br>38<br>885<br>30<br>11<br>44<br>44<br>44<br>20  |
| Tomlinson, T. 14 Vedova, H. F. 51 Thacher, J.W., Jr. 43 Haines, R. L. Heyer, C. D. Hollingshead, I. Reda, M. Jefferis, W. H. Kennard, W. Linton, M. A. Litchfield, W.N. Meader, J. H. Aldridge, G. L. 42 Allen, C. F. 01 Diehl, J. R. 36 Elkinton, T. 44 Furness, H. A. 10 Gardiner, W. J. 17 Chapin, H. J. 29 Harden, D. S. 50 Harper, S., Jr. 26 Hartel, J. N. 32 Hemphill, E. H. 29 Inglis, A. F. 41 Lowry, B. H. 26 Marshall, D. L. Pelouze, H.P., Jr. 33 Pennypacker, J.W. 09 Rogers, A. S. 43 Shoemaker, D.W. 41 Wills, R. P. 35 WAALTON HADDON HEIGHTS  MARLTON  Halines, R. L. Heyer, C. D. Heyer, C. D. Halines, R. L. Heyer, C. D. Hollingshead, I. Reda, M. Jefferis, W. H. Kennard, W. Linton, M. A. Litchfield, W.N. Meader, S. W. Preston, E., III Reagan, L. B. Reeve, W. F. Richie, D. S. Roberts, W.H., Jr Smith, R. C. Stokes, F. C. Stokes, J. M. Stokes, S. E. Stokes, S. E. Stokes, S. E. Jr. Stubbs, T. H. Thacher, J. W. Turley, K. H. Wood, A. C., III Wood, R. N.   | 26<br>23<br>25<br>53<br>24<br>06<br>08<br>31<br>43<br>38<br>85<br>30<br>11<br>14<br>14<br>44<br>20  |
| Vedova, H. F.         51         Thacher, J.W., Jr. 43         Heyer, C. D.           GLEN ROCK         MADISON         Hollingshead, I.           Spencer, H. F.         20         Allen, A. C.         55           Swigert, J. B.         41         Baker, D. H.         43           HADDONFIELD         Bishop, J. A.         29         Litchfield, W. H.           Aldridge, G. L.         42         Elder, L.W., Jr.         20           Allen, C. F.         01         Foster, M. J.         52           Allen, C. F.         01         Schultz, R.         23           Meader, J. H.         Meader, J. H.           Meader, J. H.         Meader, S. W.           Preston, E., III         Reagan, L. B.           Revey, W. F.         Richie, D. S.           MANASQUAN         Richie, D. S.           Hemphill, E. H.         29         MANASQUAN           Hemphill, E. H.         29         Roberts, W.H., Jr           Smith, R. C.         Stokes, F. C.           Inglis, A. F.         41         MANVILLE         Stokes, S. E.           Marshall, D. L.         44         Stokes, S. E., Jr.           Mellis, R. P.         35         MARGATE CITY         Stubbs, T. H.      <   | 25<br>53<br>24<br>06<br>08<br>31<br>43<br>13<br>45<br>38<br>85<br>30<br>11<br>14<br>14<br>04<br>14<br>44<br>20  |
| Spencer, H. F.         20         Allen, A. C.         55         Ikeda, M.           Swigert, J. B.         41         Baker, D. H.         43         Jefferis, W. H.           HADDONFIELD         Bishop, J. A.         29         Linton, M. A.           Aldridge, G. L.         42         Elder, L.W., Jr.         20         Littchfield, W.N.           Allen, C. F.         01         Foster, M. J.         52         Meader, J. H.           Diehl, J. R.         36         Schultz, R.         23         Meader, J. H.           Elkinton, T.         44         Wagner, J. C.         52         Meader, S.W.           Furness, H. A.         10         MAHWEH         Reagan, L. B.           Gardiner, W. J.         17         Chapin, H. J.         29         Reeve, W. F.           Harden, D. S.         50         MANASQUAN         Richie, D. S.         Roberts, W.H., Jr           Hartel, J. N.         32         Egger, A.J., Jr.         44         Smith, R. C.         Stokes, F. C.           Inglis, A. F.         41         MANVILLE         Stokes, S. E.         Stokes, S. E.           Marshall, D. L.         44         Hellow, Jr.         Stokes, S. E.         Stokes, S. E.           Marshall, D. L. <td< td=""><td>53<br/>24<br/>06<br/>08<br/>31<br/>43<br/>13<br/>45<br/>38<br/>85<br/>30<br/>12<br/>14<br/>14<br/>04<br/>14<br/>44<br/>20</td></td<>  | 53<br>24<br>06<br>08<br>31<br>43<br>13<br>45<br>38<br>85<br>30<br>12<br>14<br>14<br>04<br>14<br>44<br>20  |
| Spencer, H. F.         20         Allen, A. C.         55         Ikeda, M.         Jefferis, W. H.           Swigert, J. B.         41         Baker, D. H.         43         Jefferis, W. H.         Kennard, W.         Linton, M. A.         Litchfield, W.N.           HADDON FIELD         Allen, C. F.         01         Foster, M. J.         52         Linton, M. A.         Litchfield, W.N.         Litchfield, W.N.         Meader, J. H.         Meader, J. H.         Meader, S. W.         Preston, E., III         Meader, S. W.         Preston, E., III         Reeve, W. F.         Richie, D. S.         No         Reeve, W. F.         Richie, D. S.         No         Roberts, W.H., Jr         Smith, R. C.         Stokes, F. C.         Stokes, F. C.         Stokes, F. C.         Stokes, J. M.         Stokes, J. M.         Stokes, S. E., Jr.         Stokes, S. E., Jr.         Stokes, S. E., Jr.         Stokes, S. E., Jr.         Stubbs, T. H.         Turley, K. H.         Turley, K. H.         Wood, A. C., III         Wood, A. C., III         Wood, R. N.  | 24<br>06<br>08<br>31<br>43<br>13<br>45<br>38<br>85<br>30<br>12<br>14<br>14<br>04<br>14<br>44<br>20  |
| Swigert, J. B.         41         Baker, D. H.         43         Jefferis, W. H.           HADDONFIELD         Bishop, J. A.         29         Kennard, W.           Aldridge, G. L.         42         Foster, M. J.         20           Allen, C. F.         01         Foster, M. J.         52           Diehl, J. R.         36         Schultz, R.         23         Meader, J. H.           Diehl, J. R.         36         Wagner, J. C.         52         Meader, S. W.           Furness, H. A.         10         MAHWEH         Reagan, L. B.           Gardiner, W. J.         17         Chapin, H. J.         29         Reeve, W. F.           Harden, D. S.         50         MANASQUAN         Richie, D. S.         Roberts, W.H., Jr           Hartel, J. N.         32         Egger, A.J., Jr.         44         Smith, R. C.           Hemphill, E. H.         29         Hemphill, G.         41         Stokes, F. C.           Inglis, A. F.         41         MANVILLE         Stokes, S. E.           Lowry, B. H.         26         Rairdon, C. T.         40         Stokes, S. E.           Marshall, D. L.         44         Helmphill, G.         41         Stokes, S. E.           Moere, J. W. <td>06<br/>08<br/>31<br/>43<br/>13<br/>45<br/>38<br/>85<br/>30<br/>12<br/>14<br/>14<br/>04<br/>14<br/>44<br/>20</td>  | 06<br>08<br>31<br>43<br>13<br>45<br>38<br>85<br>30<br>12<br>14<br>14<br>04<br>14<br>44<br>20  |
| HADDON FIELD         Bishlop, J. A.         29         Linton, M. A.           Aldridge, G. L.         42         Elder, L.W., Jr.         20           Allen, C. F.         01         Foster, M. J.         52           Diehl, J. R.         36         Schultz, R.         23           Elkinton, T.         44         Wagner, J. C.         52           Furness, H. A.         10         MAHWEH         Reagan, L. B.           Gardiner, W.J.         17         Chapin, H. J.         29         Reeve, W. F.           Harden, D. S.         50         MANASQUAN         Richie, D. S.           Harrer, S., Jr.         26         Egger, A.J., Jr.         44         Smith, R. C.           Hemphill, E. H.         29         Hemphill, G.         41         Stokes, F. C.           Inglis, A. F.         41         MANVILLE         Stokes, J. M.           Lowry, B. H.         26         Rairdon, C. T.         40         Stokes, S. E.           Marshall, D. L.         44         MAPLEWOOD         Stokes, S. E., Jr.           Penpypacker, J.W. op         Briod, A. E.         52         Tracher, J. W.           Roperrs, A. S.         43         MARGATE CITY         Stubbs, T. H.           Thacher   | 08<br>31<br>43<br>13<br>45<br>38<br>85<br>30<br>12<br>14<br>14<br>04<br>44<br>20  |
| Aldridge, G. L. 42 Allen, C. F. 01 Diehl, J. R. 36 Elkinton, T. 44 Wagner, J. C. 52 Harren, S., Jr. 26 Harper, S., Jr. 26 Hartel, J. N. 32 Hemphill, E. H. 29 Inglis, A. F. 41 Lowry, B. H. 26 Marshall, D. L. 44 Pelouze, H.P., Jr. 33 Pennypacker, J.W. 09 Rogers, A. S. 43 Shoemaker, D.W. 41 Wills, R. P. 35  Elder, L.W., Jr. 20 Ititchfield, W.N. Meader, J. H. Meader, S. W. Preston, E., III Reagan, L. B. Reeve, W. F. Richie, D. S. Roberts, W.H., Jr. Smith, R. C. Stokes, J. M. Stokes, S. E. Stokes, J. M. Stokes, S. E. Stokes, J. M. Thacher, J. W. Turley, K. H. Wood, A. C., III Wood, R. N.  MORRISTOWN  | 31<br>43<br>13<br>45<br>38<br>85<br>30<br>12<br>14<br>04<br>14<br>44<br>20  |
| Allen, C. F. 01 Diehl, J. R. 36 Elkinton, T. 44 Furness, H. A. 10 Gardiner, W. J. 17 Harden, D. S. 50 Harper, S., Jr. 26 Hartel, J. N. 32 Hemphill, E. H. 29 Hemphill, G. 41 Lowry, B. H. 26 Marshall, D. L. 44 Pelouze, H.P., Jr. 33 Pennypacker, J. W. 09 Rogers, A. S. 43 Shoemaker, D. W. 41 Wills, R. P. 35  HARLTON  Meader, J. H. Meader, S. W. Preston, E., III Reagan, L. B. Reeve, W. F. Richie, D. S. Roberts, W. H., Jr Roberts, W. H., Jr Stokes, J. M. Stokes, S. E. Stokes, J. M. Stokes, S. E. Stubbs, T. H. Thacher, J. W. Turley, K. H. Wood, R. N.  MORE ISTOWN   | 43<br>13<br>45<br>38<br>85<br>30<br>12<br>14<br>14<br>04<br>14<br>44<br>20  |
| Diehl, J. R.         36         Schultz, R.         25         Meader, S. W.           Elkinton, T.         44         Wagner, J. C.         52         Meader, S. W.           Furness, H. A.         10         MAHWEH         Reagan, L. B.           Gardiner, W. J.         17         Chapin, H. J.         29         Reeve, W. F.           Harden, D. S.         50         MANASQUAN         Richie, D. S.           Harper, S., Jr.         26         MAPASQUAN         Roberts, W.H., Jr           Hemphill, E. H.         29         Hemphill, G.         41         Smith, R. C.           Inglis, A. F.         41         MANVILLE         Stokes, F. C.         Stokes, F. C.           Inglis, A. F.         41         MAPLEWOOD         Stokes, S. E.         Stokes, S. E.           Marshall, D. L.         44         Pelouze, H.P., Jr.         33         Briod, A. E.         52         Stubbs, T. H.         Thacher, J. W.           Pogers, A. S.         43         MARGATE CITY         Stubbs, T. H.         Turley, K. H.           Shoemaker, D.W.         41         Strotbeck, J. M.         55         Wood, A. C., III           Wills, R. P.         35         Ziegler, H.E., Jr.         41         Wood, A. C., III  | 13<br>45<br>38<br>85<br>30<br>12<br>14<br>14<br>04<br>14<br>44<br>20  |
| Elkinton, T. 44 Furness, H. A. 10 Gardiner, W.J. 17 Harden, D. S. 50 Harper, S., Jr. 26 Hartel, J. N. 32 Hemphill, E. H. 29 Inglis, A. F. 41 Lowry, B. H. 26 Marshall, D. L. 44 Pelouze, H.P., Jr. 33 Pennypacker, J.W. 09 Rogers, A. S. 43 Shoemaker, D.W. 41 Wills, R. P. 35  HAMPLEWOOD ROGERS, A. S. 43 Shoemaker, D.W. 41 Wills, R. P. 35  WARLTON  MAHWEH Reagan, L. B. Rever, W. F. Richie, D. S. Roberts, W.H., Jr Smith, R. C. Stokes, F. C. Stokes, J. M. Stokes, S. E. Stokes, S. E. Stokes, S. E. Stubbs, T. H. Thacher, J. W. Turley, K. H. Wood, A. C., III WOOR, R. N.  MORRISTOWN  | 45<br>38<br>85<br>30<br>12<br>14<br>14<br>04<br>14<br>44<br>20  |
| Gardiner, W. J.         17         Chapin, H. J.         29         Reeve, W. F.           Harden, D. S.         50         MANASQUAN         Richie, D. S.           Harper, S., Jr.         26         Rager, A.J., Jr.         44         Roberts, W.H., Jr.           Hemphill, E. H.         29         Hemphill, G.         41         Stokes, F. C.           Inglis, A. F.         41         MANVILLE         Stokes, J. M.           Lowry, B. H.         26         Rairdon, C. T.         40         Stokes, S. E.           Marshall, D. L.         44         MAPLEWOOD         Stokes, S. E.           Pennypacker, J.W. 09         Briod, A. E.         52         Stubbs, T. H.           Thacher, J.W.         Turley, K. H.           Shoemaker, D.W.         41         Strotbeck, J. M.         55           Wood, A. C., III         Wood, R. N.   | 85<br>30<br>12<br>14<br>14<br>04<br>14<br>44<br>20  |
| Harden, D. S.         50         MANASQUAN         Richie, D. S.           Harper, S., Jr.         26         MANASQUAN         Roberts, W.H., Jr           Hartel, J. N.         32         Egger, A.J., Jr.         44         Smith, R. C.           Hemphill, E. H.         29         Hemphill, G.         41         Stokes, F. C.           Inglis, A. F.         41         MANVILLE         Stokes, J. M.           Lowry, B. H.         26         Rairdon, C. T.         40         Stokes, S. E.           Marshall, D. L.         44         Stokes, S. E.         Stokes, S. E.           Penuypacker, J.W. 09         Briod, A. E.         52         Stubbs, T. H.           Thacher, J. W.         Turley, K. H.         Turley, K. H.           Shoemaker, D.W.         41         Strotbeck, J. M.         55           Wood, A. C., III         Wood, R. N.    HADDON HEIGHTS  MARLTON  MORE ISTOWN  | 30<br>12<br>14<br>14<br>04<br>14<br>44<br>20  |
| Harper, S., Jr.         26         MANASQUAN         Roberts, W.H., Jr           Hartel, J. N.         32         Egger, A.J., Jr.         44         Smith, R. C.           Hemphill, E. H.         29         Hemphill, G.         41         Stokes, F. C.           Inglis, A. F.         41         MANVILLE         Stokes, J. M.           Lowry, B. H.         26         Rairdon, C. T.         40         Stokes, S. E.           Marshall, D. L.         44         MAPLEWOOD         Stokes, S. E., Jr.           Pelouze, H.P., Jr.         33         Briod, A. E.         52         Stubbs, T. H.           Pennypacker, J.W. 09         Briod, A. E.         52         Turley, K. H.           Shoemaker, D.W.         41         Strotbeck, J. M.         55           Wood, A. C., III         Wood, R. N.   | 12<br>14<br>14<br>04<br>14<br>44<br>20  |
| Hartel, J. N.       32       Egger, A.J., Jr.       44       Mark, Smith, R. C.         Hemphill, E. H.       29       Hemphill, G.       41       Smith, R. C.         Inglis, A. F.       41       MANVILLE       Stokes, J. M.         Lowry, B. H.       26       Rairdon, C. T.       40       Stokes, J. M.         Marshall, D. L.       44       Stokes, S. E.       Stokes, S. E.         MAPLEWOOD       Stubbs, T. H.       Stubbs, T. H.       Thacher, J. W.         Pennypacker, J.W.       9       MARGATE CITY       Turley, K. H.         Shoemaker, D.W.       41       Strotbeck, J. M.       55       Wood, A. C., III         Wills, R. P.       35       Ziegler, H.E., Jr.       41       WOOR, R. N.   | 14<br>14<br>04<br>14<br>44<br>20  |
| Hemphill, E. H. 29 Inglis, A. F. 41 Lowry, B. H. 26 Marshall, D. L. 44 Pelouze, H.P., Jr. 33 Pennypacker, J.W. 09 Rogers, A. S. 43 Shoemaker, D.W. 41 Wills, R. P. 35 Hemphill, G. 41 Stokes, F. C. Stokes, J. M. Stokes, S. E. Stokes, J. M. Stokes, S. E. Stokes, J. M. Stokes, S. E. Stokes, J. M. Stokes, S. E. Thacher, J.W. Thacher, J.W. Turley, K. H. Wood, A. C., III Wood, R. N. HADDON HEIGHTS MARLTON  | 14<br>04<br>14<br>44<br>20  |
| Inglis, A. F. 41 Lowry, B. H. 26 Marshall, D. L. 44 Pelouze, H.P., Jr. 33 Pennypacker, J.W. 09 Rogers, A. S. 43 Shoemaker, D.W. 41 Wills, R. P. 35 MARLTON  MANVILLE Rairdon, C. T. 40 Stokes, J. M. Stokes, S. E. Stokes, J. M. Stokes, S. E. Stokes, J. M. S | 04<br>14<br>44<br>20  |
| Lowry, B. H. 26 Marshall, D. L. 44 Pelouze, H.P., Jr. 33 Pennypacker, J.W. 09 Rogers, A. S. 43 Shoemaker, D.W. 41 Wills, R. P. 35 MARLTON Stokes, S. E. Stok | 44<br>20  |
| Pelouze, H.P., Jr. 33 Pennypacker, J.W. 09 Rogers, A. S. 43 Shoemaker, D.W. 41 Wills, R. P. 35 MARGATE CITY Stubbs, T. H. Thacher, J.W. Turley, K. H. Wood, A. C., III Wood, R. N.  MARLTON MORRISTOWN   | 20  |
| Pelouze, H.P., 37. 35 Pennypacker, J.W. 09 Rogers, A. S. 43 Shoemaker, D.W. 41 Wills, R. P. 35 HADDON HEIGHTS  Briod, A. E. 52 Thacher, J.W. Turley, K. H. Wood, A. C., III Wood, R. N.  MARLTON  MORRISTOWN   |   |
| Rogers, A. S. 43 MARGATE CITY Turley, K. H. Shoemaker, D.W. 41 Strotbeck, J. M. 55 Wood, A. C., III Wills, R. P. 35 Ziegler, H.E., Jr. 41 Wood, R. N. HADDON HEIGHTS MARLTON   | 18  |
| Shoemaker, D.W. 41 Strotbeck, J. M. 55 Wood, A. C., III Wills, R. P. 35 Ziegler, H.E., Jr. 41 Wood, R. N. HADDON HEIGHTS MARLTON   |   |
| Wills, R. P. 35 Ziegler, H.E., Jr. 41 Wood, R. N. HADDON HEIGHTS MARLTON MORRISTOWN  | 50<br>35  |
| HADDON HEIGHTS MARLTON MORRISTOWN  | 21  |
| MORRISTOWN   |   |
| Jameson, F. R. 54 Barton, J., Jr. 36 MORKISTOWN  |   |
| Darnell, E. L. 40 Bowerman, A.L.   | 12  |
| Kirk, D. G.  | 52  |
| Supplee, H. 29 MASONVILLE Kirk, R. A. Supplee, W. W. 95 Haines, C. W. 25 Kirk, W. T.   | 52  |
| Mutch T S  | 16<br>23  |
| HIGHLANDS MEDFORD Stewart, D.W., II  | 49  |
| Goerke, E., Jr. 44 Sharpiess, r.w. 25  |   |
| HOBOKEN Stackhouse, R.C. 46 MT. HOLLY Stokes, W. H. 33 Francette T. P.   |   |
| rile, J. D. 31 rorsythe, T. R.   | 52  |
| Levitt, L.S. *48 MENDHAM Newbold, R.W. Richardson, I.H. 28 MENDHAM   | 52  |
| MT. LAKES  |   |
| Howe, G. W. 42 MERCHANTVILLE Hedley, D. H.   | 29  |
| JAMESBURG Beideman, C.M. 24 Williams, R.T. Carson, J. R. 37  | 40  |
| Kirkpatrick, M.S. 42 Carson, J. R. 37<br>Cowan, W. E. 46 NESHANIC STATIO   | N   |
| Haworth T P 42 Borton A  | 55  |
| Patterson E.B. 24 Borton H   | 26  |
| Behrens, R. H. 46 Bye, E. C. 15 Patterson, E. B., Jr. 51 NEWARK  |   |
| MILLVILLE Couch R A  | 49  |
| KIRKWOOD Haines H S 19 Goldfinger  |   |
| Lewis, D. D. 29 A. M., Jr.   | 55  |
| LAWRENCEVILLE MONTCLAIR McConnell, W.M.  | 13  |
| Davis, J. G. 49 Bell, J. E. 51 NEW BRUNSWICK   |   |
| LEONIA Guthrie, M.C., Jr. 37 Abernethy, B.S.   | 30  |
| Bowerman, W.G. 14 Perkins, E.C. 34 Metcalfe, R.D.  | 17  |
| Sharp, J.V.A. 52 Tomec, J.R. 53 Zerrer, J.G.   | 51  |

| NEW LISBON                          |           | RANCOCAS                         |          | Thomas, G.B., Jr.                   | 36       |
|-------------------------------------|-----------|----------------------------------|----------|-------------------------------------|----------|
| Myers, J. W.                        | 49        | Hollingshead, I., Jr.            | . 49     | TENAFLY                             |          |
| NEW PROVIDENC                       |           | RIVERTON                         |          | Cooney, J. J.                       | 51       |
| Ackerman, R.B.                      | 39        | Allen, C.J., Jr.                 | 37       | TOMS RIVER                          |          |
| NORTH PLAINFI                       |           | Cope, W. H.<br>Kriebel, W. B.    | 49<br>38 | Wirt, P.D.                          | 22       |
| Peifer, W.S.                        | 50        | Southgate, N.D.                  | 40       | TRENTON                             |          |
| NUTLEY                              |           | Taylor, H.G., III                | 53       | Bittel, W. H., Jr.                  | 54       |
| Holzrichter, G.                     | 34        | Taylor, H.G., Jr.                | 11       | Hansen, C.M., Jr.                   | 54       |
| Schabacker, H.M                     |           | Taylor, J. H.                    | 36       | Shaffer, E.L.                       | 15       |
| Wickersham, W. F                    | 1. 30     | Wood, A. C., Jr.<br>Wood, R. R.  | 32<br>20 | Wright, T.C.                        | 49       |
| ORADELL                             | 0.0       | Zieber, E. R.                    | 10       | UPPER MONTCLA                       |          |
| Coca, A. F.                         | 96        | ROSELLE                          |          | Goodall, H. R.<br>Haines, W.H.,III  | 53<br>34 |
| PARAMUS                             | 40        | Dvorken, L.                      | 53       | Heller, M.F.                        | 54       |
| Neuhaus, R.C.                       | 49        | RUNNEMEDE                        |          | Lamperti, J.W.                      | 53       |
| PATERSON                            |           | Lentz, B. C.                     | 38       | Loomis, D.G.                        | 34       |
| Bullen, V. E.                       | 30        |                                  | 00       | Perham, G.P.                        | 52       |
| PAULSBORO                           |           | RUTHERFORD<br>Alcorn, J. W., Jr. | 28       | Peterkin, N.<br>Richardson, P.B.    | 43<br>34 |
| Corson, R. H.                       | 53        |                                  | 20       | Roberts, G.                         | 21       |
| PENNINGTON                          |           | SADDLE RIVER                     | 10       | Rogers, W.D.                        | 25       |
| Cragin, H. I.                       | 51        | Spaulding, E.R.                  | 10       | Thomas, C.S.                        | 19       |
| PENNSAUKEN                          |           | SALEM                            | F.4      | Wilson, J. C.                       | 34       |
| Campbell, H.D.                      | 38        | Hummel, J.A.                     | 54       | Wixom, W.D.                         | 51       |
| Scott, G. H.                        | 47        | SAND BROOK                       |          | VAUX HALL                           |          |
| Weissman, R.S.                      | *54       | Collier, R. B.                   | 50       | Bean, M.D.                          | *54      |
| PHILLIPSBURG                        |           | SAYREVILLE                       |          | VERONA                              |          |
| Jaggard, C.H.                       | 38        | Tomkinson, H. L.                 | 36       | Apmann, R. P.                       | 55       |
| PLAINFIELD                          |           | SCOTCH PLAINS                    |          | VINELAND                            |          |
| Coale, C.                           | 91        | Grant, E.                        | 52       | Leuchter, B.Z.                      | 46       |
| Darlington, C.G.                    | 13        | SEA GIRT                         |          | WENONAH                             |          |
| Kendall, J. W.                      | 18        | Savage, A.E.                     | 25       | Bentley, J. S.                      | 14       |
| Martwick, W.L.                      | 16        | SEASIDE PARK                     |          | W. COLLINGSWOO                      |          |
| Michael, J. R.<br>Zerega, J. W.     | 55<br>17  | Tatum, O.P.                      | 18       | Olinger, C.A.                       | 27       |
| zerega, o. m.                       |           | SHORE ACRES                      |          |                                     | -        |
| PRINCETON                           |           | Ellis, T.S.                      | 24       | W. ENGLEWOOD Charles, J.W.          | 04       |
| Arthur, R.S.                        | *51       | SHORT HILLS                      |          | Hazleton, P.C.                      | 55       |
| Belote, T. G.                       | 54<br>*40 | Hamilton, K.G.                   | 55       | Willey, S. E.                       | 25       |
| Bricker, C. E.<br>Busselle, A., Jr. | *40<br>26 | Knowlton, A.D.                   | 20       |                                     |          |
| French, B. H.                       | 37        | Lester, W.L.G.<br>Reed, H. E.    | 27<br>53 | WESTFIELD<br>Albert, A.H., Jr.      | 39       |
| Laity, R. W.                        | 50        |                                  | 00       | Bache, K.                           | 45       |
| Langfeld, H. S.                     | 01        | SOMERS PT.                       | 10       | Brown, A. E.                        | 40       |
| Pepper,<br>Mrs. W., Jr.             | *55       | Moore, R.W.                      | 18       | Douglas, L. C.                      | 25       |
| Rogers, C.H.                        | 08        | SOMERVILLE                       | 4.0      | Ewan, S.N.,Jr.                      | 21       |
| Rohrer, G.                          | 35        | Mason, E.                        | 40       | Imhof, L.G.<br>Kreisher, J.H.       | 50<br>55 |
| Sharpless, F.P.,                    |           | SOUTH ORANGE                     | 4.0      | Rudisill,R.C.,III                   | 50       |
| Steefel, L.D., Jr                   |           | Echikson, E.                     | 49<br>35 | Thompson,                           |          |
| Sutton, D. C.<br>Test, A. L.        | 55<br>23  | Hires, R.W.                      | 50       | R. J., Jr.                          | 38       |
| Vogt, R. S.                         | 41        | SPARTA<br>Winglow F P            | 0.2      | Thomson, H. S.                      | 43       |
| Watkins, R. W.                      | 44        | Winslow, F. R.                   | 03       | Thomson,R.C.,Jr<br>Woodward,R.S.,II |          |
| Winder, R. B.                       | 43        | STOCKTON                         | 97       |                                     |          |
| Woll, J. W., Jr.                    | 52        | Hunt, A. D., Jr.                 | 37       | WESTMONT                            |          |
| RAHWAY                              | 20        | SUMMERVILLE                      | . 49     | Eisele, G. W.                       | 49       |
| Hinchman, J.                        | 38        | Stewart-Gordon, J                | . 43     | WEST ORANGE                         |          |
| RAMSEY                              |           | SUMMIT                           |          | Kirk, D. B.                         | 43       |
| Grigg, H. M.                        | 22        | Davis, H.                        | 41       | Thorpe, E. H.                       | 19       |
| Miner, E.D.                         | 21        | Downing,G.V.,Jr.                 | 44       | Thorpe, J. H.                       | 49       |

| WILDWOOD CRES<br>Kratz, W.T.   | T<br>51    | McCloud, J. M.<br>Miller, H.A.S. | 48<br>52 | EGGERTSVILLE<br>Hoffman, J. T. | 40              |
|--------------------------------|------------|----------------------------------|----------|--------------------------------|-----------------|
| WOODBURY                       |            | Miller, H.S.                     | 14       | ELMIRA                         |                 |
| Flowers, F.S.                  | 23         | Morss, F.C., Jr.                 | 23       | Cox, H. G.                     | 05              |
| Russell, R. M.                 | 43         | Petersen, H. E. Rabinowitz, E.N. | 46       | ELMSFORD                       |                 |
| WOODSTOWN                      |            | Shaw, P. B.                      | 31       |                                | *51             |
| Carter, E. B.                  | 53         | Sterrett, J.W.                   | 39       |                                |                 |
|                                |            | Tanaka, A.M.                     | 45       | ENDICOTT<br>Steer, A.G., Jr.   | 35              |
| NEW YORK                       |            | Totten, W. B.                    | 27       |                                | 00              |
| ALBANY                         |            | Walker, E. T.                    | 24       | FAIRPORT<br>Franzen, W.        | 4.0             |
| Hipple, B.T., Jr.              | 34         | Winder, D. A.<br>Young, L. P.    | 43<br>45 |                                | 42              |
|                                |            | roung, D. r.                     | 10       | FAR ROCKAWAY                   |                 |
| ALDEN<br>Davenport, R.M.       | 48         | BUFFALO                          |          | Offerman, H.C.                 | 13              |
|                                | 40         | Abbott, C.D., Jr.                |          | FAYETTEVILLE                   |                 |
| ALFRED                         | 0.0        | Bates, H. E.                     | 27       | Drake, C.D.                    | 48              |
| Greene, C. H.<br>Greene, C. M. | 26<br>52   | Cheyette, H.<br>Haig, C.R., Jr.  | 50<br>38 | Fraser, H.S.                   | 22              |
|                                | 02         | Stevens, E.B.                    | 28       | Porter, R. R.                  | 20              |
| ALTAMONT                       | 40         |                                  |          | FLUSHING                       |                 |
| Sensenig, D. M.                | 42         | CARMEL<br>Gunnison, F., Jr.      | 48       | Baird, D. H.                   | 44              |
| AMENIA                         |            |                                  | 40       | Cook, S.<br>Gifford, P.C., Jr. | $\frac{27}{41}$ |
| Vining, H. M.                  | 36         | CHAPPAQUA                        | 9.4      | McKinley, R. P.                | 14              |
| ANNANDALE-ON-                  |            | Bowen, L.<br>Gruber, W. J.       | 34<br>28 | Minnich, R. F.                 | 28              |
| HUDSON                         |            | Scilipoti, C.                    | 34       | FOREST HILLS                   |                 |
| Gummere, R., Jr.               | *51        | Tinnon, J. M.                    | 39       | Frankl, G.                     | 48              |
| BAYSIDE                        |            | CHENANGO FORI                    | KS       | Stone, J. A.                   | 48              |
| Beers, S. L.                   | 40         | Paul, K. E.                      | 35       | FREDONIA                       |                 |
| Hollman, B. Z.                 | 53         | CLINTON                          |          | Buttrick, D. G.                | 48              |
| BELLEROSE                      |            | Blyth, J. W.                     | 31       |                                |                 |
| Handrich, P.C.                 | 49         | Graves, E.B.                     | 19       | FRESH MEADOWS<br>Goodman, M.   | 46              |
| BINGHAMTON                     |            | Richardson,                      |          |                                | 40              |
| Colman, S., Jr.                | 51         | Mrs. C. B.                       | *45      | GARDEN CITY<br>Haberkern,      |                 |
| Darlington,                    | 0.0        | COOPERSTOWN                      |          | R. C., Jr.                     | 37              |
| H. T., Jr.                     | 38         | Hastings, J.B.                   | 50       |                                | ٠.              |
| BRIARCLIFF                     |            | Milyko, A.B.                     | 51       | GENEVA<br>Cocks, G. R.         | 44              |
| Barton, F.C., Jr.              | 25         | CORNING                          |          |                                | 7.1             |
| Kent, R. B.                    | 41         | Webb, J.L., Jr.                  | 41       | GLEN COVE                      | 200             |
| BRIARWOOD                      |            | CORNWELL-ON-                     |          | Fraser, G. C.                  | 36              |
| Parkes, R. L.                  | 49         | HUDSON                           |          | GLEN FALLS                     |                 |
| BRONX                          |            | Taft, T.M.                       | 40       | Derr, H. H.                    | 39              |
| Lamberti, V.A.                 | 26         | CROTON FALLS                     |          | Howe, B.E.                     | 43              |
| Sanders, M.                    | 47         | Richie, D.W.                     | 28       | GOSHEN                         | 1.0             |
| BRONXVILLE                     |            | DOBBS FERRY                      |          | Wilder, N. M.                  | 13              |
| Feil, J.P.                     | 46         | Trueblood, H.M.                  | 03       | GREAT NECK                     |                 |
| Gray, J. H., Jr.               | 31         | DOUGLASTON                       |          | Stuart, H. H.                  | 41              |
| Howson, H. A.                  | 15         | Chapman, H.                      | 19       | GREENE                         |                 |
| Howson, H. F.                  | 53<br>29   | Hatcher, R. L.                   | 26       | Keetz, F.M.                    | 52              |
| Sullivan, R.C.<br>Wilson, G.   | 23         | Shoemaker,                       |          | HAMBURG                        |                 |
| Wilson, R.G.                   | 55         | J. H., III                       | 51       | Schoepperle, H.V.              | 17              |
| BROOKLYN                       |            | DRESDEN                          |          | Schoepperle, R.                | 14              |
| Buck, A. E.                    | 26         | Clarkson, G.E.                   | *40      | HARRISON                       |                 |
| Curran, R.T.                   | 53         | EAST AURORA                      |          | Aron, J. I.                    | 39              |
| Dolbeare, K. M.                | 51         | Kimber, W.L.                     | 37       | HASTINGS-ON-                   |                 |
| Driscoll, Ruth                 | 45         | EAST CONCORD                     |          | HUDSON                         |                 |
| Elliott, R. M.<br>Himes, R. S. | 49         | Travers, J. E.                   | 49       | Eager, H.R., Jr.               | 44              |
| Jones, R. F.                   | 23<br>52 . | EAST HAMPTON                     |          | HEMPSTEAD                      |                 |
| Lewis, R. P.                   | 55         | Davison, J. H.                   | 51       | Tilley, D. C.                  | 50              |
|                                |            |                                  |          |                                |                 |

| HICKSVILLE                        |          | MANHASSET                     |          | Cameron, C.S. 3                   |        |
|-----------------------------------|----------|-------------------------------|----------|-----------------------------------|--------|
| Magill, A. A.                     | 40       | King, B.D.                    | 41       | Carpenter, H.W. 2                 |        |
| HIGH FALLS                        |          | Martin, P.T.                  | 30       | Cato, J.D. 5                      |        |
| Pearson, H. G.                    | 08       | Yearsley, C.W.                | 36       | Chapman, S.H., III 4              |        |
|                                   |          | MIDDLETOWN                    |          | Chartener, W.H. 4                 |        |
| HOPEWELL                          |          | Cookman, H. H.                | 05       | Clough, H.T., Jr. 3               |        |
| JUNCTION                          | 9.7      | MIDDLE VILLACE                |          | Crolius, T. P. 4                  |        |
| Rhoads, C. E.                     | 27       | MIDDLE VILLAGE Dyson, J. C.   | 50       | Davis, A.M. 4                     |        |
| HUNTINGTON                        |          | Dyson, J. C.                  | 30       |                                   | 3<br>5 |
| Fisher, J.M., Jr.                 |          | MILTON                        |          | DeMotte, W.P. 3                   |        |
| Poole, D. M.                      | 42       | Bell, E.                      | 14       | Dixon, J. 5                       |        |
| HURLEY                            |          | Bell, H.H.                    | 18       |                                   | 8      |
| Wilkie, J. B.                     | 43       | MINEOLA                       |          | Edmonds, T.H. 5                   |        |
| ITHACA                            |          | Smith, J.B., Jr.              | 24       | Ericson, J. W. 5                  | 3      |
| Bell, W. W.                       | 48       | MOHONK LAKE                   |          | Farrell, A. J. 5                  | 4      |
| Ensworth, H. K.                   | 29       | Smiley, A.K.                  | 06       | Flannery, F.J., Jr. 5             |        |
| Fezer, K. D.                      | *53      | Smiley, A. K.                 | 32       | Flint, P. B. 5                    |        |
| Parker, G. R.                     | 55       | Smiley, D.                    | 30       | Fowle, H. J. *4                   |        |
| Woll, P.                          | 54       | Smiley, F., Jr.               | 46       | Freund, G. 5                      |        |
|                                   | rc       | Smiley, F. G.                 | 12       | Gardner, K. A. 4                  |        |
| JACKSON HEIGHT                    |          | -                             |          | Geoffroy, C. H. 4                 |        |
| Peniche, W.                       | 51<br>51 | MONROE<br>Show W D            | 39       | Getman, B.M., Jr. 5. Gibb, T.C. 4 |        |
| Putney, W.T., III<br>White, P.    | 27       | Shaw, W.D.                    | 33       | Gilmore, J. L. 4                  |        |
|                                   | 2.       | MT. KISCO                     |          | Glatzer, R. A. 5                  |        |
| JAMAICA                           |          | Adams, J.F., Jr.              | 48       | Gould, P. 5                       |        |
| Fleischman, S.E.                  |          | Canan, L.H., Jr.              | 46       | Graham, C. *4                     |        |
| Konowitz, D.B.                    | 48       | Klein, R.A.                   | 47       | Greif, R. L. 3                    |        |
| KENMORE                           |          | Rex, J., Jr.                  | 28       | Griffith, R.E., Jr. 3             | 5      |
| Ferris, L.W.                      | 12       | Wood, J., III                 | 50       | Grossman, A.D. 4                  | 8      |
| Sangree, M. H.                    | 21       | Wood, L. H.                   | 96       | Guenther, J.J., Jr. 4             | 2      |
| KEW GARDENS                       |          | NEWARK                        |          | Hakanson, T.E. *5                 |        |
| Johnson, A.C.                     | 52       | Elwell, J.                    | 43       | Hallett, G., Jr. 1                |        |
| Kennedy, F. L.                    | 34       | Stott, P. R.                  | 44       | Hansen, W. B. 5                   |        |
|                                   |          | NEWBURGH                      |          | Harris, E.B. 5                    |        |
| KINGSTON                          | E0       | Desmond, T.C.                 | 08       | Hartman, J.G. 2<br>Harvey, A. 1   |        |
| Gerlach, T.D.                     | 50       | NEW HAMPTON                   |          | Harvey, A. 1<br>Hastings, W.F. 1  |        |
| LAKE PLACID                       |          | Truex, J.                     | 35       | Hill, R.W. 4                      |        |
| Dennett, C.                       | 23       |                               |          | Hisey; J. A. 1                    |        |
|                                   | 20       | NEW PALTZ                     | =0       | Hogenauer, N.J. 2                 |        |
| LARCHMONT                         | 4.1      | Matteson, R. S.               | 53       | Hopkins, J.W. 5                   |        |
| Blum, H. L.                       | 41       | NEW ROCHELLE                  |          | Hulings, C. 4                     | 5      |
| Dannay, D.                        | 35<br>55 | Beebe, S. K.                  | 12       | Hunsicker, F.G. 5                 | 3      |
| Goodkind, T.B.<br>Stern, A. F.    | 54       | Crolius, A.P.                 | 52       | Hussey, F. K. 3                   | 0      |
| otern, n. r.                      | 01       | Davis, R.S.                   | 28       | Jacobs, G. W. 4                   |        |
| LEVITTOWN                         |          | Felstiner, J. P.              | 54       | James, D.W., Jr. 5                |        |
| Miller, S. R.                     | 49       | Graham, R.B., Jr.             | 49       | Jamison, E.M., Jr. 5              |        |
| Nicklin, G.                       | 47       | NEW YORK                      |          | Jochanan, P.S. 5                  |        |
|                                   |          | Ale, F. H.                    | 26       | Johnson, S. F. 4                  |        |
| LINWOOD                           |          | Alford, T.C., Jr.             | 45       | Kahn, S. J. 5<br>Kanter, I. E. 5  |        |
| Abbott, H.D.                      | 51       | Anderson, S.                  | 53       | Katz, K. R. 3                     |        |
| LIVERPOOL                         |          | Babb, J. J.                   | 21       |                                   | 4      |
| Wilcox, W. W.                     | 20       | Basiuk, V.                    | 52       | Lafer, D. J. 5                    |        |
|                                   |          | Beck, S. M.                   | 49       | Lea, S. 4                         |        |
| LOUDONVILLE                       |          | Billo, G.                     | 25       | Leaman, G.A. 4                    | 7      |
| Smith, M.B.                       | 50       | Billo, J. G.                  | 50       | LeClercq, J.G.C. 1                |        |
| LYNBROOK                          |          | Bingham, J.                   | 47       | Lester, B. 0                      |        |
| Coogan, D.F., Jr.                 | 36       | Blanchard, E.D.               | 55       | Libby, J. K. 4                    |        |
|                                   |          | Brown, R.C.                   | 29       | Lind, I. R. 4                     |        |
| MAMARONECK                        | 20       |                               | ¥45      | Lingerman, H.A. 3                 |        |
| Bijur, H.                         | 32       | Burton, J. C.                 | 54       | Loeb, E. 5:                       |        |
| Brown, R. E.<br>Hallett, H.M., II | 50<br>18 | Busselle, A.<br>Calkin, J. B. | 94<br>26 | Lowry, A., III 33<br>Mann, A.S. 3 |        |
| manett, m.w., 11                  | 10       | Jannin, U. D.                 | 20       | madilly raids 0.                  |        |

| Marek, R.W.        | 55    | PEEKSKILL           |     | Hilleman, G.A.     | 22  |
|--------------------|-------|---------------------|-----|--------------------|-----|
| McDonald, G.D.     | 28    | Engelman, H.B.      | 37  | MacKenzie, D.      | 51  |
| McGrath, F.S.      | 98    | Halsey, W.D., Jr.   | 40  | Paulson, J. F.     | 51  |
| Mead, R. K.        | 52    | DEVILLE             |     | Piotrow, F.J.      | 53  |
| Michener, D.W.     | *23   | PELHAM              | 4.0 | Schwartz, W.       | 50  |
| Miller, F.S.       | 22    | Knowland, W.E.      | 43  | Somers, D.D.       | 43  |
| Morley, A. J.      | 51    | PELHAM MANOR        |     | Stewart, D.S.      | 46  |
| Nichols, W.B.      | 37    | Fitzsimmons, J.O.   | 28  | Wilson, C. B.      | 38  |
|                    | 21    | Sexton, M.          | 53  | Wilson, C. B.      | 90  |
| Nock, S. A.        |       | Sterner, P.L., Jr.  | 52  | ROCKVILLE          |     |
| Norris,R.A.,Jr.    | 52    |                     | 28  | CENTER             |     |
| Perera, L. C.      | 29    | Taylor, H. F.       |     | Rogoff, R.C.       | 46  |
| Phelps, C.E.       | 20    | Wadsworth, C.       | 11  | Taber, J.C.        | 18  |
| Roberts, C.E., Jr. |       | PINE BUSH           |     |                    |     |
| Russell, C.        | 14    | McNutt, T.R.        | 51  | ROSLYN             |     |
| Sangree, M.H., Jr  |       |                     |     | Manwiller, K. S.   | 50  |
| Schoepperle, V.    | 11    | PLANDOME            |     | ROSLYN HEIGHTS     |     |
| Sebastian, J.      | 36    | Masland, W.M.       | 30  | Morley, C.         | 10  |
| Seligsohn, W. I.   | 50    | PLEASANT VALL       | FV  | Mortey, C.         | 10  |
| Silver, R.W.       | 54    |                     | *47 | ROXBURY            |     |
| Slonimsky, H.N.    | 05    | Agnew, R.L.         | 41  | Palen, G. J.       | 92  |
| Spaeth, S.         | 05    | PLEASANTVILLE       |     | 2112               |     |
| Stadelman, F.      | 98    | Crawford, A.R.      | 31  | RYE                |     |
| Stenhouse, R.      | *50   | Klein, E.B., Jr.    | 47  | Bowman, R.S.       | 38  |
| Suffern, R. L.     | 35    | Sniffen, A.M.       | 50  | Finley, J. T.      | 47  |
| Taft, R.           | *45   | Studwell, W. A.     | 43  | ST. ALBANS         |     |
|                    | 97    | bludwell, w. A.     | 40  |                    | 40  |
| Thomas, E.         | 09    | PORT CHESTER        |     | Hering, A.C.       | 40  |
| Thompson, C. B.    |       | Hogenauer, D.E.     | 24  | SAYVILLE           |     |
| Tilney, I. S.      | 03    | Hogenauer, H.J.     | 55  | Eller, R.W.        | 52  |
| Truex, P. E.       | 33    | Skinner, R.G.       | 35  |                    |     |
| Wagner, P.V.       | 32    |                     |     | SCARSDALE          |     |
| Wallerstein, E.    | 12    | PORT WASHINGTO      |     | Flaccus, L.W.,Jr.  |     |
| Webster, W. F.     | 27    | MacCrate, R.        | 43  | Garbaty, T.J.      | 51  |
| Werner, G.         | 53    | Nevin, W.S.         | 18  | Laughlin, J.S.     | *42 |
| Westermann, T.H    | 1. 30 | POUGHKEEPSIE        |     | Marine, J.S.       | 16  |
| Wires, J. S.       | 44    | Bell, A. H.         | 43  | Melchior, O.W.     | 28  |
| Wirt, J. B.        | 52    |                     |     | Tew, P.D.          | *32 |
| Wohlgemuth,        |       | Heaton, L.G.        | 16  | Trenbath, P.S.     | 33  |
| Patricia           | *52   | Lane, D. R.         | 22  | Tripp, B. H.       | 29  |
| Wolf, J. L.        | 55    | Lane, R.T.          | 28  | Withers, S., Jr.   | 39  |
| Young, R.K.        | 53    | Newlin, J. C.       | 23  |                    |     |
| _                  |       | Richter, H. E.      | 53  | SCHENECTADY        |     |
| NORTHPORT          |       | QUEENS VILLAGE      | 1   | Baker, E.T.        | 46  |
| Worthington, H.    | 11    | Huene, H. A.        | 53  | Fairman, F.E., III | 45  |
| NORTH SYRACUS      | er.   | nuene, n. A.        | 00  | Hill, J. F.        | 43  |
|                    | 50    | RHINEBECK           |     | Roberts, A.        | 39  |
| Durling, J.A.      | 30    | Collins, B.         | 20  |                    | *38 |
| N. TARRYTOWN       |       |                     |     | Taylor, H.D.       | 19  |
| Barnhurst, H.G.    | 31    | RIFTON              |     | _                  | 10  |
| Conn, C.B., Jr.    | 35    | Clement, R. A.      | 38  | SEA CLIFF          |     |
| NYACK              |       | Potts, T. I.        | 32  | Johnson, D.        | 47  |
|                    | 24    | RIPARIUS            |     |                    |     |
| Hand, W. H.        | 24    |                     | 5.9 | STAATSBURG-ON      | _   |
| ONEONTA            |       | Bien, P. A.         | 52  | HUDSON             |     |
| Ware, A. H.        | 29    | ROCHESTER           |     | Gage, L. H.        | 31  |
|                    |       | Baldwin, G. B.      | 50  | Gage, E. II.       | 01  |
| ORANGEBURG         |       | Baldwin, S. F.      | 26  | CT LIVE CD DIVI    |     |
| Dodge, J. L.       | 51    | Beaven, R. H.       | 34  | STANFORDVILLE      |     |
| Ewing, G. L.       | 41    | Braker, J. A.       | 55  | Williams, M.       | 34  |
| OSSINING           |       | Bushnell, C.S.      | 05  |                    |     |
|                    | *20   | Bushnell, C.S., Jr. | 39  | STATEN ISLAND      |     |
| Ricks, J.H., Jr.   | *39   | Christopher, J.B.   | 35  | Collison, C. H.    | 29  |
| OYSTER BAY         |       |                     |     | Jones, H. L.       | 17  |
| Moffett, J. Mc.    | 28    | Clark, W.H., Jr.    | 38  | Jones, H.L., Jr.   | 51  |
| Tomlinson,         |       | Dye, S. M.          | 40  | Noble, J. A.       | 55  |
| A. C., Jr.         | 43    | Eldridge, R.        | 40  | riobio, d. A.      | 00  |
|                    |       | Fry, C.L., Jr.      | 54  | QTTO GGTTM         |     |
| OZONE PARK, L      |       | Gardner, P.C.       | 54  | SYOSSET            | 4.4 |
| Sangree, C.S.      | 46    | Griffith, C.D.      | 51  | Sutton, H.C., Jr.  | 44  |
|                    |       |                     |     |                    |     |

| SYRACUSE             |     | Hobbs, A.W. 0                     | 8    | Masland, R.L.     | 31   |
|----------------------|-----|-----------------------------------|------|-------------------|------|
| Childs, E.E.         | 42  | Hobbs, L.L. *1                    | 1    | McDonald, F.H.    | *48  |
| Hiss, J.G.F.         | 54  | ,                                 | 1    | Moore, D.S.       | 32   |
| Martin, L.           | 31  |                                   | 14   | Wolff, W. A.      | *24  |
| Rose, C. O.          | 48  |                                   | 55   | ,                 |      |
| Slotnick, H. N.      | 45  |                                   | - 4  |                   |      |
| Taylor, H.W., Jr.    | 37  |                                   | 99 N | ORTH DAKOTA       |      |
| 1 ay 101 ,11. W.,01. | 01  | ,                                 | , ,  | MINOT             |      |
| TARRYTOWN            |     | CHARLOTTE                         |      | Cameron, A. M.    | 46   |
| Allen, E.G.          | 40  | Coleman, W. *2                    | 29   | Dewees, A. H.     | 51   |
| Tucker, R.N.         | 51  | Haviland, H.G. 2                  | 26   | Dewees, II. II.   | 01   |
| TROY                 |     | Partington, J., Jr. 3             | 30   |                   |      |
|                      | 03  | QUEDOVEE                          | 0    | HIO               |      |
| Kelsey, C. W.        |     | CHEROKEE                          | 50   | ADA               |      |
| Lindsay, F.W.        | 30  | Pollard, R., III                  | 30   | Bowden, R. L.     | 48   |
| TUCKAHOE             |     | DANBURY                           |      | Clayton, R. M.    | 37   |
| Bottjer, J. H.       | *49 | Taylor, J.S. *2                   | 24   | Clayton, R. M.    | 31   |
| Stuart, J. W.        | 45  |                                   |      | AKRON             |      |
| *********            |     | DURHAM                            | o. # | Polsky, R.M., Jr. | 54   |
| UNADILLA             |     |                                   | 37   |                   |      |
| York, H.Q.           | 17  | · · · · · · · · · · · · · · · · · | 11   | ATHENS            | 0.77 |
| UTICA                |     |                                   | 42   | Seibert, H.C.     | 37   |
| Start, L. J.         | *42 | Kunkle, E.C.                      | 35   | BARNESVILLE       |      |
|                      | 12  | Wilson, R.N.                      | 98   | Hinshaw, R. E.    | 55   |
| WANTAGH              |     | ELKIN                             |      | Kirk, M. L.       | *51  |
| Kunkel, R.B.         | 51  |                                   | 18   |                   | 01   |
| WESTBURY             |     | beeson, o, m.                     | 10   | BAY VILLAGE       |      |
|                      | 9.1 | ENKA                              |      | Blasius, L.G.     | 50   |
| Speakman, E.A.       | 31  | Lenton, C.T., Jr.                 | 47   | Todd, W.E., Jr.   | 49   |
| WHITE PLAINS         |     | CREENSBORO                        |      | CANTON            |      |
| Compter, H.E.        | 27  | GREENSBORO                        | F.O. | Barker, J. B.     | 22   |
| Halstead, G. B.      | 27  |                                   | 52   |                   | 22   |
| Seeds, O.J.          | 28  | 0,                                | 51   | Croasdaile,       | ==   |
|                      |     |                                   | 12   | R. E., Jr.        | 55   |
| WILLIAMSVILLE        |     | Little, W.C.                      | 17   | CELINA            |      |
| Little, E. F.        | 43  | GUILFORD                          |      | Dasenbrock,       |      |
| WOODSIDE             |     | COLLEGE                           |      | Mrs. J. H.        | *45  |
| Beckley, A.S.        | 49  |                                   | 01   |                   |      |
| Deckiey, 21.5.       | 10  |                                   | 22   | CHAGRIN FALLS     |      |
| YONKERS              |     | Parsons, D.H., Jr.*               |      | Michener, J. H.   | 29   |
| Alenick, M.E.        | 48  |                                   | 39   | Montgomery, T.    | 22   |
| Andrews, J.,Jr.      | 33  | Statiora, B. B.                   | 00   | CHILLICOTHE       |      |
| Bentley, W.D.        | 25  | HAVELOCK                          |      | Martin, F.B., Jr. | 50   |
| Chase, R.S., Jr.     | 52  | Richie, D.A.                      | 53   |                   | 00   |
| Kelsey, R.W.         | 33  | HIGH DODIT                        |      | CINCINNATI        |      |
| Miller, J.Q.         | 49  | HIGH POINT                        | 0.0  | Amussen, D.S.     | 51   |
| Newlin, I.G.         | *29 | Blair, A.W.                       | 92   | Collett, W. T.    | *37  |
| Sargent, J. R.       | 33  | HILLSBORO                         |      | Corsi, Mary L.    | *52  |
| Seifert, A.M.        | 48  | Wilson, E.M. *                    | 94   | Hunt, C. M.       | 12   |
| Withers, S.C.        | 04  |                                   |      | Johnson, Mrs.M.   | * 47 |
|                      |     | KERNERSVILLE                      | 1.5  | Johnston, J.A.    | 26   |
| NORTH CAROLINA       |     | Morris, F. H.                     | 17   | Kohler, P.W.      | *38  |
| NORTH CAROLINA       |     | PENROSE                           |      | McLaughlin, R.B   | . 37 |
| ARCHDALE             |     | Cadbury, E.S.                     | 10   | Milner, A.W.      | 22   |
| Petty, H.C.          | 99  |                                   |      | Parker, J. H.     | 49   |
|                      |     | RALEIGH                           |      | Sluss, W.B.       | 38   |
| ASHEVILLE            |     | Brown, M.A.                       | 43   | OI EVEL AND       |      |
| Brown, E. L.         | 50  |                                   | 23   | CLEVELAND         | C 1  |
| Rogers, A.E.         | 21  |                                   | *45  | Bacon, R.         | 51   |
| BURNSVILLE           |     | Schuman, R.W.                     | 48   | Calhoun, C.       | 45   |
| Neal, J. P.          | 41  | Stanley, J. B.                    | 18   | Goldthwaite,      | *45  |
|                      |     | VALE                              |      | Priscilla K.      | *45  |
| CHAPEL HILL          |     | Milligan, B.                      | 51   | Hoffman, G. L.    | 49   |
| Baer, B. L.          | 50  | minigali, D.                      | J.   | Houston, N. R.    | 32   |
| Carroll,             |     |                                   |      | Klein, J. S.      | 44   |
| D. DeW., Sr.         | 08  | WINSTON-SALEM                     |      | Moritz, J.A.      | 51   |
| Davis, Hester A.     |     | Allison, A.R., Jr.                | 53   | Morris,J.H.,Jr.   | 30   |
| Doak, H. A.          | 09  | Blair, J. F.                      | 24   | Newell, S., Jr.   | 43   |
|                      |     |                                   |      |                   |      |

| Oulahan, G.C.                       | 42       | NILES                            | 4.5        | OKLAHOMA CITY                           | - 1 |
|-------------------------------------|----------|----------------------------------|------------|---|-----|
| Polster, W. A.                      | 37       | Mann, P.C.                       | 45         | Moore, P. W.                            | 54  |
| Rowe, J. C.<br>St. Clair, A.T., Jr. | 28<br>45 | OBERLIN                          |            | TULSA                                   |     |
| Sutton, R. M.                       | 22       | Jackson, R.L.                    | 39         | F 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 26  |
|                                     | 22       | Tufts, R. W.                     | 36         | Innes, A. I. *2                         |     |
| COLUMBUS                            | 20       | Vance, E. P.                     | 36         |   | 14  |
| Bown, G. D.                         | 39       | PAINESVILLE                      |            | Ritts, L. C. Weatherby, B.B., II        | l2  |
| Bull, R.L., III<br>Case, W.C.       | 54<br>46 | Ruddick, C.T., Jr.               | 54         | weather by ,B.B., 112                   | -1  |
| Green, H. W.                        | 36       | ROCKY RIVER                      |            | OBECON                                  |     |
| Trainer, T.                         | 45       | Gaines, C.                       | 37         | OREGON                                  |     |
| Werntz, D. R.                       | 46       | Kerslake, Y. H.                  | 33         | ALBANY                                  |     |
| CUYAHOGA FALL                       | e        |                                  |            | White, W.W.                             | 86  |
|                                     | .5<br>55 | SALEM<br>Atkinson, R.D.          | 30         | CHILOQUIN                               |     |
| Gray, G. W.                         | 00       |                                  |            |   | 53  |
| DAYTON                              |          | SHAKER HEIGHTS                   |            |   | 00  |
| Finley, R. K., Jr.                  | 46       | Nulsen, F.E.                     | 37         | CORVALLIS                               |     |
| Lehmann, W. L.                      | 45       | SOUTH EUCLID                     |            | Dann, R. H. *:                          | 18  |
| Logan, J.B.                         | 44       | Hunt, S.A.                       | 32         | MEDFORD                                 |     |
| Saidel, B. R.                       | 53       | McGuire, C.R.                    | 48         | Dean, G. B.                             | 94  |
| Spaulding, R. E.                    | 39       | SKAKER HEIGHTS                   | S          | Dodge, B. L.                            | 09  |
| Yoder, L.E.                         | 28       |                                  | *26        | NEWBERG                                 |     |
| DELAWARE                            |          |                                  |            |   | 03  |
| Marshall, R. K.                     | *26      | TOLEDO<br>Dye, R.A., Jr.         | 42         |   |     |
| DOYLESTOWN                          |          | Groff, J. C.                     | 39         | ONTARIO<br>Gheen, E. P.                 | 10  |
| Bair, C.H., Jr.                     | 38       | McConnell, I. W.                 | 30         |   | 10  |
|                                     |          |                                  |            | PORTLAND                                |     |
| GALLIPOLIS                          |          | UNIVERSITY                       |            |   | 51  |
| Holzer, C.E., Jr.                   | 37       | HEIGHTS<br>Macon, W.A., III      | 36         | Rector, E.M.                            | 37  |
| GATES MILLS                         |          |                                  | 30         |   |     |
| Fox, S.T., III                      | 49       | WARREN                           | * 4 5      | PENNSYLVANIA                            |     |
| GRAND RAPIDS                        |          | Frey,Barbara H.                  | *45        | ABINGTON                                |     |
| Crosman, J.M., Jr                   | . 51     | WILMINGTON                       |            | Bartlett, F.                            | 46  |
|                                     |          | Bales, T.M.                      | 05         |   | 37  |
| GRANVILLE                           | 9.7      | Farquhar, B.                     | 11         | Messick, R. R.                          | 52  |
| Kruener, H. H.                      | 37<br>43 | Hiatt, R.M.                      | *37        | ALDEN                                   |     |
| Coffin, T.P.                        | 40       | Jones, T.C.                      | 42<br>*45  | Koons, H.W.                             | 18  |
| GREENVILLE                          | 4. = 0   | Marble, R.W.<br>Morgan, W.B., Jr |            | ALLENTOWN                               |     |
| Keller, R.S.                        | * 53     | Mussetter, W.M.                  | 18         |   | 44  |
| HAMILTON                            |          | Parker, D. L.                    | 14         |   | 11  |
| Rentschler, T.B.                    | 54       |                                  |            | ,                                       | 32  |
| Warner, G. T.                       | 42       | WOOSTER                          | 4.0        |   | 45  |
|                                     |          | Anderson, W.D.<br>Bangham, R.V.  | 42<br>16   | Hunsicker, R.F.                         | 35  |
| HILLSBORO                           | *24      | Kriebel, H. B.                   | 43         |   | 48  |
| Warren, L.E.                        | 24       |                                  | 10         | Reninger, C.W., Jr.                     |     |
| HIRAM                               |          | WORTHINGTON                      | 4.0        |   | 42  |
| Morris, M.C.                        | 23       | Allen, J. M.                     | 43         | Schaeffer, R.L., Jr.                    |     |
| HUDSON                              |          | XENIA                            |            | Wood, H. D.                             | 46  |
| Wilson, J.F., Jr.                   | 39       | Deitz, J. G.                     | 50         | ALTOONA                                 |     |
| *******                             |          | YELLOW SPRING                    | S          | Torrance, K.                            | 38  |
| IRWIN                               | 40       | Leuba, C.J.                      | 20         | AMBLER                                  |     |
| Strausbaugh,R.N                     | . 42     |                                  |            | Emlen, G. W., Jr.                       | 08  |
| LEES CREEK                          |          | KLAHOMA                          |            | Foulke, D. S.                           | 55  |
| Myers, W.                           | *32      | NODMAN                           |            | Foulke, E.                              | 24  |
| MARENGO                             |          | NORMAN                           | 20         | Haywood, J.                             | 35  |
| Hammond, S.                         | 35       | Coffman, S.K., Jr                | . 39<br>35 | Ledeboer, J.W., Jr.<br>Lukens, P. T.    | 44  |
| MILFORD                             |          | Huff, W. N.<br>Livezey, W.E.     | *28        | Satterthwaite, D. L.                    |     |
| Gatch, M. McC., J.                  | r.53     | Divolog, W.D.                    |            |   |     |
| NEW VIENNA                          |          | NOWATA                           |            | ARDMORE<br>Arthur, R.P.                 | 41  |
| Terrell, C.C.                       | 07       | Warner, W.W.                     | 09         | Bevan, H.S., Jr.                        | 35  |
| 1011011, 0.0.                       |          | THE THE TENE                     | 0.0        | DO ( 411,111,D , , 01 )                 | 55  |

| Brown, S. H.       | 95  | Mitchell, J.T.     | 91  | Blanc-Roos, R. 35      |
|--------------------|-----|--------------------|-----|------------------------|
| Gray, W.S., Jr.    | 52  | Valentine, G.      | 91  | Borgstedt, D. 33       |
| Heilman, W.M.      | 24  | Valentine, R.S.    | 45  | Clement, F.T.J. 45     |
| Langston, T.D.     | 49  | DEL CRITTE I D     |     | Comfort, H. 24         |
| Lycett, E.H., Jr.  | 99  | BELLEVILLE         | E0. | Crosman, J.M. 18       |
| Marshall, E.W.     | 35  | Hollingshead, P.   | 53  | DeMarco, M.C. 49       |
| McNeary, S.S.      | 36  | BERWYN             |     | Farr, C.B. 94          |
| Mohn, W. H.        | 49  | Allan, D.          | 51  | Farr, F.W.E. 31        |
| Montgomery, H.     | 25  | Azpell, W.L.,Jr.   | 35  | Fisher, W. 97          |
| Morris, J.P.,Jr.   | 45  | Balderston, R.L.   | 39  | Gardiner, J.B. 51      |
| Nicholson, P.      | 02  | Bolster, R. H.     | 41  | Green, L.S., Jr. 33    |
| Ohl, R. T.         | 21  | Coates, S. H.      | 10  | Hunter, P. A. 16       |
| Pennypacker, C.S.  |     | Funk, E.H., Jr.    | 44  | Johnston, R.J., Jr. 49 |
| Poorman, S.S.      | 37  | Garrigues, A.G.    | 16  |                        |
|                    |     |                    | 10  |                        |
| Smith, J. W.       | 34  | Hires, H.S.        | 32  | Laverty, M.A. 17       |
| Speck, D. J.       | 29  | Longaker, D. R.    |     | Lee, W.M. 46           |
| Strayer, C.B.      | 23  | Mitchell, J.E.     | 28  | Little, F.J., Jr. 54   |
| Tatnall, C. R.     | 26  | Morris, S.S.       | 12  | Loechel, L.O., Jr. 52  |
| Tatnall, R.R.      | 90  | Rettew, J.B., III  | 54  | Lukens, E. F. 16       |
| Tollin, S.         | 51  | Schultz, M.A.      | 49  | Maier, W. M. 31        |
| Turner, J. A.      | 30  | Wendell, D.C., Jr. | 44  | Mateer, G.D., Jr. 50   |
| Warren, R.H.       | 44  | BETHLEHEM          |     | McConnell,             |
| AUBURN             |     | Biedenbach, A.L.   | 12  | R. W., Jr. 40          |
| Hubler, G. H.      | 19  | Brodhead, B.       | 42  | McConnell, T., III 19  |
| nublei, G. II.     | 10  | De Schweinitz,     | 14  | McIntyre, W.T., Jr.35  |
| AVONDALE           |     |                    | 45  | Morris, J.P., Sr. 99   |
| Baker, J.W.        | 27  | G., Jr.            | 27  | Pakradooni, D.S. 38    |
| Crowell, A.        | 04  | Emery, N.M., Jr.   |     | Perot, T.M., IV 53     |
| Crowell, T.        | 06  | Fry, W.R., Jr.     | 36  | Perry, C. 36           |
| Robinson, C.A.     | 28  | Hiatt, B. C.       | 31  | Petersen, L.O., Jr. 46 |
| DALA GVNIWVD       |     | BIGLERVILLE        |     | Sangree, W.H. 50       |
| BALA-CYNWYD        | 1.0 | Brinton, C.A.      | 21  | Seith, D. W. 51        |
| Alexander, J.W.    | 18  |                    |     | Shakespeare, E.O. 49   |
| Alsop, W.K., Jr.   | 29  | BLUE BELL          | 4.0 | Shank, P.R. 38         |
| Armstrong, S.S.    | 27  | Fleming, T. T.     | 48  | Shank, R. L. 28        |
| Bader, C.F.,Jr.    | 24  | Reeves, F. B.      | 55  | Shearer, C.R. 49       |
| Bassert, D. E.     | 45  | Reeves, F.B., Jr.  | 93  | Strawbridge, R.E. 91   |
| Bodine, H. F.      | 34  | BOWMANSDALE        |     | Tatnall, A.G. 99       |
| Dohan, F. C.       | 29  | Gilbert, H. B.     | 33  | Taubel, L. E. 25       |
| Edgerton, R.       | 49  |                    | 00  | Terrell, A.M. *32      |
| Faries, W.R.       | 16  | BOYERTOWN          |     | Thoran, P. 51          |
| Folwell, N. T.     | 29  | Baker, R.C.        | 31  | Vaux, G. 30            |
| Gerenbeck, G., Jr. | 32  | Boyer, D.B., II    | 11  | Vitello, J. A. 50      |
| Gill, H.W., Jr.    | 49  | Boyer, D.B., Jr.   | 41  | Webb, W. M. 38         |
| Hardham, W.L.F.    | 33  | BRIDGEPORT         |     | Whittelsey, T., Jr. 28 |
| Hiers, T.S.        | 54  |                    | 4.9 | 0 , ,                  |
| Hood, L. E.        | 07  | Addoms, J.         | 43  |                        |
| Jardine, W., II    | 51  | Shihadeh, W.       | 43  | Wilbur, D. E. 24       |
| Jones, J.P.        | 30  | DDCCKWH I E        |     | DUGUEDIGUAN            |
| Moon, E.R.         | 16  | BROOKVILLE         | 0.0 | BUCKINGHAM             |
| Newman, P. F.      | 48  | Hendricks, W.C.    | 22  | VALLEY                 |
| Trumper, D.K.      | 51  | BROOMALL           |     | Elkington, P.W. 46     |
| Trumper, J.        | 54  | Balls, K. F.       | 45  | BUTLER                 |
| * '                |     | Burgess, F.M.      | 28  | Kirkpatrick, R.B. 46   |
| BARTO              | 0.5 | Melchoir, C.M.     | 50  | Martin, L.D. 23        |
| Hopper, H.S., II   | 37  |                    |     | McCandless,R.L. 55     |
| BEAVER             |     | BROWNSVILLE        |     | Purvis, J.D., Jr. 36   |
| Miller, B.M.       | 48  | Carr, J. D.        | 29  | Ritts, E. 05           |
| Sloss, J.O.        | 36  | Wilt, H. L.        | 29  | Succop, A.C. 32        |
| BEDFORD            |     | BRYN ATHYN         |     |                        |
|                    | 02  | Acton, J. T.       | 50  | CARLISLE               |
| Barclay, J. J.     |     |                    |     | Bowden, W. R. 35       |
| Jackson, R. B.     | 45  | BRYN MAWR          |     | Harper, H.R., II 42    |
| Wright, J.C.       | 22  | Barnes, R. K.      | 52  | King, J. McL. 28       |
| BELLEFONTE         |     | Bayer, W. L.       | 25  | Mears, F.K., Jr. 39    |
| Locke, LeR.D.      | 15  | Bell, B.F., III    | 54  | Nevitt, R.L.M. 53      |
| Love, J.G., Jr.    | 16  | Birdsall, T.M.     | 46  | Sellers, C. 25         |

|                                  |          | `                                  |          |  |  |
|----------------------------------|----------|------------------------------------|----------|--|--|
| CARNEGIE<br>Watson, J. R.        | 25       | DIMOCK<br>Cope, F.R., Jr.          | 00       | GEORGE SCHOOL<br>Brinton, A. H. 30       |  |
| CARVERSVILLE<br>Harrington, E.   | 42       | DOWNINGTOWN<br>Bradfield, W.S., Ju | r.55     | Carson,J.T.,Jr. 38 GETTYSBURG            |  |
|                                  |          | Brown, E.Y., Jr.                   | 01       | Hartshorne,                              |  |
| CHADDS FORD                      |          | Brown, F.G.                        | 39       | W. D., Jr 11                             |  |
| Hoffman, W.A.                    | 19       | Brown, P.W., Jr.                   | 35       | Sloat, C. A. *24                         |  |
| Tatnall, T., Jr.                 | 22       | Brown, T.D.                        | 36       |  |  |
| CHALFONT                         |          | Harvey, C.R.                       | 48       | GIBSONIA                                 |  |
| Stevens, J.D., Jr.               | 43       | Manning, E.J., Jr.                 | 35       | Seder, E. 50                             |  |
| Stevens, T.M.                    | 50       | McIlvain, F.H.                     | 38       | GLADWYN                                  |  |
| CHAMBERSBURG                     |          | McIlvain, J. G.                    | 39       | Bevan, D. C. 29                          |  |
| Harris, J. C.                    | 53       | Parke, T.                          | 23       | Bevan, T. R. 36                          |  |
| Wingerd, E.C., Jr.               |          | Powell, A.G.                       | 27       | Cornman, H.D., III 41                    |  |
| Wingerd, R.A.                    | 49       | DRESHER                            |          | Fite, F. K. 33<br>Fox, W.A., Jr. 28      |  |
| CHELTENHAM                       |          | Cary, F. W.                        | 16       | Fox, W.A.,Jr. 28<br>Freeman, M.F. 48     |  |
| Bronner, E.B.                    | *47      | DREXEL HILL                        |          | Hires, W.L. 49                           |  |
|                                  | 4,1      | Barnes, J.A., Jr.                  | 50       | Loesche, W.H., Jr. 36                    |  |
| CHESTER                          | 0.0      | Bedrossian, E.H.                   | 42       | Longstreth, W.C. 13                      |  |
| Crowther, P.C.                   | 20       | Bishop, W.S.                       | 50       | Walton, W.W. 24                          |  |
| CHESTER SPRING                   | S        | Buckley, J.C.                      | 49       | GLEN MILLS                               |  |
| Bloom, R. L.                     | 30       | Burns, T.E., Jr.                   | 31       | Dewees, L. 01                            |  |
| Saint, E. C.                     | 31       | Garrett, G.S.                      | 29       | Frysinger, D.C. 37                       |  |
| Sensening, W., Jr.               | 36       | Griste, R.D.                       | 50       | Guthrie, S.T. *37                        |  |
| CHEYNEY                          |          | Hannum, E.P.                       | 26       | Stratton, J. A. 06                       |  |
| Wills, J. H.                     | 31       | Joly, J. D.                        | 26<br>54 | GLEN MOORE                               |  |
| CLIFTON HEIGHT                   | rs       | Klein, P. R.<br>Mathues, G.B.M.    | 38       | Cadbury, R. 07                           |  |
| DiPhillipe, A.J.                 | 47       | Tarr, S. R.                        | 49       | Keay, L. K. 18                           |  |
|                                  | • •      | Wright, J. B.                      | 45       | Taylor, L. N. 24                         |  |
| COATESVILLE                      | 1.0      | _                                  |          |  |  |
| Cooper, J. A. Downing, J. S.     | 16<br>11 | DRIFTON<br>Cox, D. M.              | 27       | GLEN ROCK<br>Acker, G.N. 49              |  |
| Downing, T. S.                   | 05       |                                    | 41       |  |  |
| Greenwood, R.J.                  | 52       | EASTON                             |          | GLENSIDE                                 |  |
| Huston, S.                       | 19       | Balderston, M.                     | 12       | Aucott, R. L. 38                         |  |
| Margolis, A.                     | 24       | Funk, H. E.                        | 43       | Baur, P. J. 52                           |  |
| COLLEGEVILLE                     |          | Schweyer, D.H.                     | 06       | Craig, C. W. 44<br>Dickson, A.C., Jr. 38 |  |
| Baker, D. G.                     | 26       | EAST STROUDSBU                     | JRG      | Jacobs, C.S. 33                          |  |
| Hand, T.S.                       | 49       | Ramsey, L. M.                      | 17       | O'Hara, W.W. 38                          |  |
|                                  | 10       | ELIZABETHVILL                      | E        | Pennypacker, E.L. 50                     |  |
| COLLINGDALE                      | 4.7      | Buxton, D. R.                      | 30       | Wertime, R.M. 32                         |  |
| Dickson, R. B.                   | 41       | EMPORIUM                           |          | GWYNEDD VALLEY                           |  |
| CONCORDVILLE                     |          | Gresimer, J.D.                     | 31       | Engelhardt, E.L. 41                      |  |
| Shirk, N. S.                     | 30       |                                    | 0.1      |  |  |
| CONSHOHOCKEN                     |          | ERIE                               | 40       | HANOVER                                  |  |
| Cooper, E.B.                     | 50       | Brown, R.W.<br>Dunn, D.D.          | 42<br>35 | Halter, R.E. *43                         |  |
| COOPERSBURG                      |          | Dunn, T. P.                        | 19       | HARFORD                                  |  |
| Scull, E.B.                      | 37       | Fust, J. A.                        | 42       | Harris, P.P. 20                          |  |
| Thomas, G., IV                   | 25       | Gebauer, G. J.                     | 21       | HARRISBURG                               |  |
|                                  |          | Johnson, R.S.                      | 49       | Crowell, H.E. 30                         |  |
| DEVON<br>Brodhead, T. B.         | 20       | McNeill, D. B.                     | 46       | Edmiston, R.B. 51                        |  |
| Cantrell, J. A.                  | 37       | McNeill, J.R.                      | 41       | Maley, E. P. ·49                         |  |
| Clarke, S. P.                    | 14       | Shank, C. E.                       | 26       | Nauman, S. G. 06                         |  |
| Jones, W.W.                      | 33       | FLOURTOWN                          |          | Wagenseller, W.M.23                      |  |
| Kirkland, W.G                    | 35       | Morss, W.S.                        | 26       | HARTSVILLE                               |  |
| McAllister, F.                   | 92       | Napier, A.H., Jr.                  | 41       | Henne, E.J. 52                           |  |
| Miles, F.V.                      | 52       | - apro1 ; (1,111,101;              | **       | Nash, C. E. 24                           |  |
| Nicholson, A.                    | 21       | FORT WASHINGT                      | ON       | HARVEY'S LAKE                            |  |
| Parry, E.O.                      | 36       | Smith, I.B., Jr.                   | 27       | Burnside, F.B. 35                        |  |
| Schnaars, J. A.                  | 45       | CASTONIALI                         |          |  |  |
| Scott, J. C.<br>Stifler, F. McI. | 29<br>25 | GASTONVILLE                        | 29       | HATBORO<br>Richie D H 40                 |  |
| Stiller, F. MCI.                 | 20       | Ralph, A.B.                        | 29       | Richie, D. H. 49                         |  |

| HAVERFORD                       |          | Wood, H. P.                      | 44       | JERSEY SHORE                          |          |
|---------------------------------|----------|----------------------------------|----------|---------------------------------------|----------|
| Bair, H. H.                     | 53       | Woolman, E.                      | 93       | Scherer, E. U.                        | 55       |
| Battey, W.A.                    | 99       | Wylie, Anne S.                   | *44      | JOHNSTOWN                             |          |
| Benham, T.A.                    | 38       | HAVERTOWN                        |          | Cauffiel, J. J.                       | 55       |
| Bennett, L.C., Jr.              | 55       | Adam, A. C.                      | 52       | Cauffiel, M.                          | 23       |
| Birdsall, J.C., Jr.             |          | Bedrossian, R.H.                 | 46       | Graham, J. R.                         | 33       |
| Bryant, E.                      | 10       | Blair, B. F.                     | 30       | Greer, C. A.                          | 26       |
| Cadbury, W.E., Jr               |          | Bruckner, R. J.                  | 49       | Saylor, T.K., Jr.                     | 38       |
| Clader S. C.                    | 45<br>39 | Bullock, J. R.                   | 49       | Thompson, F.E.                        | 89       |
| Clader, S. C.<br>Comfort, F.D.  | *26      | Conklin, G.                      | 50       | KENNETT SQUAR                         | E        |
| Cooper, B. S.                   | 18       | Edgerton, C.W.                   |          | Gawthrop, T. C.                       | 29       |
| Cooper, B. B.                   | 50       | C. W., Jr.                       | 49       | Philips, J. D.                        | 06       |
| Cornell, E. H. B.               | 49       | Farquhar, J. D.                  | 42       | Reynolds, D.D.                        | 11       |
| Crosman, E.N., Jr               | . 15     | Hammond, G. S.                   | 49       | Reynolds, J. C.                       | 49       |
| Crosman, W.M.R.                 | . 17     | Hansell, N., IV<br>Herter, T. J. | 53<br>46 | Zapp, J. A., Jr.                      | 32       |
| Dean, A. G.                     | 03       | Hutchinson, R.M.                 | 36       | KINGSTON                              |          |
| Edgerton, C. W.                 | 14       | Jones, R. I.                     | 54       | Burnside, R. B.                       | 38       |
| Edgerton, H.McI.                |          | Lacey, D. B.                     | 44       | Falconer, D. P.                       | 12       |
| Edgerton, P.                    | 51       | Rawnsley, H. M.                  | 48       |                                       |          |
| Edwards, E. A.                  | 08       | Richter, L. F.                   | 28       | KITTANING                             | 0.0      |
| Edwards, J.S.                   | 34       | Seeley, R. T.                    | 53       | Heilman,H.A.,Jr.                      | 39       |
| Emlen, W. J.<br>Feroe, R. A.    | 35<br>50 | Smith, H.R., Jr.                 | 44       | LAFAYETTE HILI                        | L        |
| Foley, R. T.                    | 52       | Smith, P. R.                     | 50       | Cope, P.M.,Jr.                        | 43       |
|                                 | *47      | Strohl, H. F.                    | 50       | Lowry, H. M.                          | 12       |
| Fuller, D. S.                   | 53       | Young, W. G.                     | 52       | LAHASKA                               |          |
| Hamilton, C.M.                  | 29       | HAZLETON                         |          | Richie, A. T.                         | 34       |
| Handy, E.H., Jr.                | 45       | Taggart, G. W.                   | 48       | Teller, W. M.                         | 31       |
| Harvey, J.S.C., III             | 54       |                                  |          |                                       |          |
| Haviland, P.R.                  | 24       | HEREFORD                         | 17       | LA MOTT                               | 10       |
| Hetzel, T.B.                    | 28       | Haines,R.B.,III                  | 1,       | Hynson, M. M.                         | 18       |
| Hoag, C.G.                      | 93       | HERSHEY                          |          | LANCASTER                             |          |
|                                 | *33      | Chestnut, D.T.                   | 41       | Arnold, H.C.,Jr.                      | 55       |
| Hunter, H.                      | 43       | HOLIDAYSBURG                     |          | Beeler, R. W.                         | 40       |
| Kennedy, F.R., Jr.              |          | Smith, R. B.                     | 20       | Byerly, J. L.                         | 33       |
| Kerbaugh, M.D.                  | 18<br>49 | HOLTWOOD                         |          | Coursin, D. B.                        | 40<br>26 |
| Kimmich, H.M.<br>Kingham, K. E. | 29       | Kenderdine, J.D.                 | 10       | Hartman, D. F.                        | 18       |
| Lester, J.A., Jr.               | 37       | Kender dine, s.D.                | 10       | Hartman, L. E.<br>Haverstick, H., Jr. |          |
| Locke, R.A.                     | 14       | HUNTINGDON                       |          | Kepner, C. D.                         | 55       |
| Longstreth, W.W.                |          | Biddle, J. H.                    | 27       | Longacre, J. A.                       | 49       |
| Longstreth, W.C.                |          | Crosby, K.W.                     | *40      | Matthews, J. K.                       | 35       |
| Lutz, H. M.                     | 09       |                                  | 20       | Miller, E. R.                         | 35       |
| McIntosh, A.                    | 21       | HUNTINGDON                       |          | Sharpless, F. P.                      | 16       |
| Nicholson, J. T.                | 25       | VALLEY                           | 20       | Stainton, W. W.                       | 41       |
| Osler, F.B., Jr.                | 54       | Feidt, J. T.                     | 30<br>55 | Watson, J. N.                         | 13       |
| Pearson, F.G.                   | 36       | Kern, D. E.<br>Maxfield, W.F.    | 34       | LANDENBERG                            |          |
| Pfund, H. W.                    | 22       | O'Neill, H. T.                   | 51       | Rickerman, H.G.                       | 49       |
| Post, L. A.                     | 11       |                                  | 0.1      |                                       |          |
| Prosser, R. A.                  | 49       | ITHAN                            | 40       | LANGHORNE<br>Prodhond D               | 49       |
| Reitzel, W. A.                  | 22<br>53 | Di Giovanni, C.                  | 49       | Brodhead, D.<br>Morris, T. E.         | 20       |
| Rich, E. P.<br>Rich, J. F.      | 24       | Muller, F. F.                    | 25       | Watkins, J. R.                        | 32       |
| Ross, R. J.                     | 02       | Trout, G. B.                     | 33       |                                       | 02       |
| Sargent, W., Jr.                | 08       |                                  |          | LANSDALE                              | = 0      |
| Sharpless, T.K.                 | 36       | IVYLAND                          | 0.5      | Hughes, C. M.                         | 50       |
| Steere, J.M.                    | 90       | Benham, W. S.                    | 27       | Ridington, T.M.                       | 50       |
| Steere, T.H.                    | 51       | JENKINTOWN                       |          | LANSDOWNE                             |          |
| Sweetser, F.P.                  | 42       | Bates, R.C., Jr.                 | 25       | Betson, R. B.                         | 50       |
| Tatnall, E.R.                   | 07       | Berlinger, C.F.                  | 28       | Betson, W. M.                         | 50       |
| Taulane, E.G.,Jr                |          | Bruegel, T. W.                   | 30       | Broadbelt, B.D.                       | 52       |
| Thorn, H. N.                    | 04       | Drinker, J.B.                    | 03       | Dormon, W. W.                         | 38       |
| Ufford, C.W.                    | 21       | Helweg,J.E.,Jr.                  | 53       | Evans, J. T.                          | 28       |
| Welsh, C. N.                    | 51       | Stokes, D. E.                    | 44       | Frazer, G. V.                         | 34       |
| Wilson, D. L.                   | 33       | Vila, H. S.                      | 44       | Gilmour, N.                           | 18       |

| Gilmour, R. M.                 | 49       | MELROSE PARK                            |                 | Vogel, C. S.                         | 27       |
|--------------------------------|----------|---|-----------------|--------------------------------------|----------|
| Graham, E. L.                  | 50       | Kind, S.                                | 36<br>20        | Vogel, W. W.                         | 50       |
| Haines, C. R.                  | 32       | Miller, E.C., Jr.<br>Scholey, H. W.     | 01              | NEW CASTLE                           |          |
| LAUREDALE                      | 40       | Stern, H.                               | 50              | Rosenberger,                         |          |
| Lambert, R. M.                 | 49       | MERCER                                  |                 | Р. В.                                | 55       |
| LEACOCK                        |          | Cochran, T.C., Jr                       | . 42            | NEW FREEDOM                          |          |
| Corson, A.                     | 36       |   |                 | Hartenstein, G.L.                    |          |
| LEBANON                        |          | MERCERSBURG<br>Brown, J. S.             | 43              | Schatanoff, J.                       | 55       |
| Boger, J. N.                   | 49       | Garrison, H. E.                         | 51              | NEW HOPE                             | 10       |
| Boger, W. M.                   | 52       | Steiger, T. B.                          | 39              | Hartshorn, G.B.<br>Winn, M.          | 19<br>53 |
| LEDERACH                       |          | MERION                                  |                 |                                      | 00       |
| Lewis, A. L.                   | 23       | Culbert, C. D.                          | 48              | NEW OXFORD                           | 20       |
| LEECHBURG                      |          | Haines, W. H.                           | 07              | Himes, W.                            | 38       |
| Doane, J. W.                   | 50       | Johnston, A.                            | 25              | NEW PORT                             | 40       |
| LEVITTOWN                      |          | Morris,H.H.,Jr.<br>Paxon, N. F.         | 39<br>17        | Anderson, J.                         | 49       |
| McCargar, D.E.                 | 51       | Scheffey, A. J.                         | 51              | NEWTON                               |          |
| Murdoch, G. C.                 | 52       | Searle, C. S.                           | 51              | Woll, J. W.                          | 28       |
| Schmidt, C.F., Jr.             | , 45     | Siebert, F.T., Jr.                      | 34              | NEWTOWN SQUAR                        | RF       |
| LEWISBURG                      |          | Steins, K.                              | 43              | Biddle, J. C.                        | 51       |
| Johnson, M.A., II              | 55       | Trump, C. E.                            | 53              | Fisher, C.W., Jr.                    | 40       |
| LIONVILLE                      |          | Wills, W. M. Wright, W.M., Jr.          | $\frac{04}{34}$ | Gilmour, A.W.Jr.                     | 37       |
| Thompson,R.W.                  | 33       |   | 0.1             | Hunsicker, H. H.                     |          |
| LITITZ                         |          | MIFFLINBURG                             | 10              | Radbill, H. R.<br>Roberts, F. H.     | 49       |
| Albright, J. P.                | 55       | Earnest, F.M., Jr                       | . 19            | Sparks, D. I.                        | 51<br>49 |
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| Morgan, S. R. Morrison, S. B. Moses, P. B. Most, R. C. Muir, J. W. Munro, D. H. Muth, D. F. Myers, R. N.  | 98<br>28<br>51<br>36<br>92<br>39<br>54<br>50   | Shipley, T. E. 12<br>Shipley, W. P., Jr. 19<br>Shoemaker,<br>B. H., II 94<br>Shoemaker, B., III 23<br>Shuman, L. K. 53<br>Silver, A. 27<br>Silver, P. W. 54<br>Singh, A. 54<br>Smith, D. M. 45   | Whiting, T. S. *28 Whittier, W. 38 Williams, C. R. 14 Williams, J. S. 20 Willis, D. P. 52 Willoughby, A. T. 51 Winston, R., Jr. 54 Wistar, T. 98 Wistar, T., Jr. 30  |
| Morgan, S. R. Morrison, S. B. Moses, P. B. Most, R. C. Muir, J. W. Munro, D. H. Muth, D. F. Myers, R. N. Napier, A. H. Nelson, K. R., Jr.   | 98<br>28<br>51<br>36<br>92<br>39<br>54<br>50<br>17   | Shipley, T. E. 12<br>Shipley, W. P., Jr. 19<br>Shoemaker,<br>B. H., II 94<br>Shoemaker, B., III 23<br>Shuman, L. K. 53<br>Silver, A. 27<br>Silver, P. W. 54<br>Singh, A. 54<br>Smith, D. M. 45<br>Smith, C. F. G. 35   | Whiting, T. S. *28 Whittier, W. 38 Williams, C. R. 14 Williams, J. S. 20 Willis, D. P. 52 Willoughby, A. T. 51 Winston, R., Jr. 54 Wistar, T. 98 Wistar, T., Jr. 30 Wolf, R. B. 36 Wood, J. L. 51  |
| Morgan, S. R. Morrison, S. B. Moses, P. B. Most, R. C. Muir, J. W. Munro, D. H. Muth, D. F. Myers, R. N. Napier, A. H. Nelson, K. R., Jr. Newman, W. W.   | 98<br>28<br>51<br>36<br>92<br>39<br>54<br>50<br>17<br>52<br>25   | Shipley, T. E. 12<br>Shipley, W.P., Jr. 19<br>Shoemaker,<br>B. H., II 94<br>Shoemaker, B., III 23<br>Shuman, L. K. 53<br>Silver, A. 27<br>Silver, P. W. 54<br>Singh, A. 54<br>Smith, D. M. 45<br>Smith, C.F.G. 35<br>Smith, L. M. 12   | Whiting, T. S. *28 Whittier, W. 38 Williams, C. R. 14 Williams, J. S. 20 Willis, D. P. 52 Willoughby, A. T. 51 Winston, R., Jr. 54 Wistar, T. 98 Wistar, T., Jr. 30 Wolf, R. B. 36 Wood, J. L. 51 Wood, J. W., Jr. 40  |
| Morgan, S. R. Morrison, S. B. Moses, P. B. Most, R. C. Muir, J. W. Munro, D. H. Muth, D. F. Myers, R. N. Napier, A. H. Nelson, K.R., Jr. Newman, W. W. Newton, J.   | 98<br>28<br>51<br>36<br>92<br>39<br>54<br>50<br>17<br>52<br>25<br>31   | Shipley, T. E. 12<br>Shipley, W. P., Jr. 19<br>Shoemaker,<br>B. H., II 94<br>Shoemaker, B., III 23<br>Shuman, L. K. 53<br>Silver, A. 27<br>Silver, P. W. 54<br>Singh, A. 54<br>Smith, D. M. 45<br>Smith, C.F.G. 35<br>Smith, L. M. 12<br>Smith, R. F. 25   | Whiting, T. S. *28 Whittier, W. 38 Williams, C. R. 14 Williams, J. S. 20 Willis, D. P. 52 Willoughby, A. T. 51 Winston, R., Jr. 54 Wistar, T. 98 Wistar, T., Jr. 30 Wolf, R. B. 36 Wood, J. L. 51 Wood, J.W., Jr. 40 Worrell, G. 20  |
| Morgan, S. R. Morrison, S. B. Moses, P. B. Most, R. C. Muir, J. W. Munro, D. H. Muth, D. F. Myers, R. N. Napier, A. H. Nelson, K. R., Jr. Newman, W. W.   | 98<br>28<br>51<br>36<br>92<br>39<br>54<br>50<br>17<br>52<br>25   | Shipley, T. E. 12<br>Shipley, W. P., Jr. 19<br>Shoemaker,<br>B. H., II 94<br>Shoemaker, B., III 23<br>Shuman, L. K. 53<br>Silver, A. 27<br>Silver, P. W. 54<br>Singh, A. 54<br>Smith, D. M. 45<br>Smith, C.F.G. 35<br>Smith, L. M. 12<br>Smith, R. F. 25   | Whiting, T. S. *28 Whittier, W. 38 Williams, C. R. 14 Williams, J. S. 20 Willis, D. P. 52 Willoughby, A. T. 51 Winston, R., Jr. 54 Wistar, T. 98 Wistar, T., Jr. 30 Wolf, R. B. 36 Wood, J. L. 51 Wood, J. W., Jr. 40  |
| Morgan, S. R. Morrison, S. B. Moses, P. B. Most, R. C. Muir, J. W. Munro, D. H. Muth, D. F. Myers, R. N. Napier, A. H. Nelson, K.R., Jr. Newman, W. W. Newton, J. Nofer, G. H., II  | 98<br>28<br>51<br>36<br>92<br>39<br>54<br>50<br>17<br>52<br>25<br>31   | Shipley, T. E. 12 Shipley, W. P. , Jr. 19 Shoemaker, B. H., II 94 Shoemaker, B., III 23 Shuman, L. K. 53 Silver, A. 27 Silver, P. W. 54 Singh, A. 54 Smith, D. M. 45 Smith, C.F.G. 35 Smith, L. M. 12 Smith, R. F. 25 Smith, W. W. 34  | Whiting, T. S. *28 Whittier, W. 38 Williams, C. R. 14 Williams, J. S. 20 Willis, D. P. 52 Willoughby, A. T. 51 Winston, R., Jr. 54 Wistar, T. 98 Wistar, T., Jr. 30 Wolf, R. B. 36 Wood, J. L. 51 Wood, J. W., Jr. 40 Worrell, G. 20 Wuesthoff, Joyce*54   |
| Morgan, S. R. Morrison, S. B. Moses, P. B. Most, R. C. Muir, J. W. Munro, D. H. Muth, D. F. Myers, R. N. Napier, A. H. Nelson, K.R., Jr. Newman, W. W. Newton, J. Nofer, G. H., II Oliver, A. D.  | 98<br>28<br>51<br>36<br>92<br>39<br>54<br>50<br>17<br>52<br>25<br>31<br>49                                     | Shipley, T. E. 12 Shipley, W.P., Jr. 19 Shoemaker, B. H., II 94 Shoemaker, B., III 23 Shuman, L. K. 53 Silver, A. 27 Silver, P. W. 54 Singh, A. 54 Smith, D. M. 45 Smith, C.F.G. 35 Smith, L. M. 12 Smith, R. F. 25 Smith, W. W. 34 Solis-Cohen,   | Whiting, T. S. *28 Whittier, W. 38 Williams, C. R. 14 Williams, J. S. 20 Willis, D. P. 52 Willoughby, A. T. 51 Winston, R., Jr. 54 Wistar, T. 98 Wistar, T., Jr. 30 Wolf, R. B. 36 Wood, J. L. 51 Wood, J.W., Jr. 40 Worrell, G. 20 Wuesthoff, Joyce*54 Yarnall, S. R. 92  |
| Morgan, S. R. Morrison, S. B. Moses, P. B. Most, R. C. Muir, J. W. Munro, D. H. Muth, D. F. Myers, R. N. Napier, A. H. Nelson, K.R., Jr. Newman, W. W. Newton, J. Nofer, G. H., II Oliver, A. D.  | 98<br>28<br>51<br>36<br>92<br>39<br>54<br>50<br>17<br>52<br>25<br>31<br>49<br>19<br>48                         | Shipley, T. E. 12 Shipley, W.P., Jr. 19 Shoemaker, B. H., II 94 Shoemaker,B., III 23 Shuman, L. K. 53 Silver, A. 27 Silver, P. W. 54 Singh, A. 54 Smith, D. M. 45 Smith, C.F.G. 35 Smith, L. M. 12 Smith, R. F. 25 Smith, W. 34 Solis-Cohen, L., Jr. 41  | Whiting, T. S. *28 Whittier, W. 38 Williams, C. R. 14 Williams, J. S. 20 Willis, D. P. 52 Willoughby, A. T. 51 Winston, R., Jr. 54 Wistar, T. 98 Wistar, T., Jr. 30 Wolf, R. B. 36 Wood, J. L. 51 Wood, J. W., Jr. 40 Worrell, G. 20 Wuesthoff, Joyce*54   |
| Morgan, S. R. Morrison, S. B. Moses, P. B. Most, R. C. Muir, J. W. Munro, D. H. Muth, D. F. Myers, R. N. Napier, A. H. Nelson, K.R., Jr. Newman, W. W. Newton, J. Nofer, G. H., II Oliver, A. D.  | 98<br>28<br>51<br>36<br>92<br>39<br>54<br>50<br>17<br>52<br>25<br>31<br>49                                     | Shipley, T. E. 12 Shipley, W.P., Jr. 19 Shoemaker, B. H., II 94 Shoemaker, B., III 23 Shuman, L. K. 53 Silver, A. 27 Silver, P. W. 54 Singh, A. 54 Smith, D. M. 45 Smith, C.F.G. 35 Smith, L. M. 12 Smith, R. F. 25 Smith, W. W. 34 Solis-Cohen,   | Whiting, T. S. *28 Whittier, W. 38 Williams, C. R. 14 Williams, J. S. 20 Willis, D. P. 52 Willoughby, A. T. 51 Winston, R., Jr. 54 Wistar, T. 98 Wistar, T., Jr. 30 Wolf, R. B. 36 Wood, J. L. 51 Wood, J.W., Jr. 40 Worrell, G. 20 Wuesthoff, Joyce*54 Yarnall, S. R. 92  |
| Morgan, S. R. Morrison, S. B. Moses, P. B. Most, R. C. Muir, J. W. Munro, D. H. Muth, D. F. Myers, R. N. Napier, A. H. Nelson, K.R., Jr. Newman, W. W. Newton, J. Nofer, G. H., II Oliver, A. D. Oliver, D. D. Pancoast, C. E., III                                       | 98<br>28<br>51<br>36<br>92<br>39<br>54<br>50<br>17<br>52<br>25<br>31<br>49<br>19                               | Shipley, T. E. 12 Shipley, W.P., Jr. 19 Shoemaker, B. H., II 94 Shoemaker,B., III 23 Shuman, L. K. 53 Silver, A. 27 Silver, P. W. 54 Singh, A. 54 Smith, D. M. 45 Smith, C.F.G. 35 Smith, L. M. 12 Smith, R. F. 25 Smith, W. W. 34 Solis-Cohen, L., Jr. 41 Solt, G. W. *27                                       | Whiting, T. S. *28 Whittier, W. 38 Williams, C. R. 14 Williams, J. S. 20 Willis, D. P. 52 Willoughby, A. T. 51 Winston, R., Jr. 54 Wistar, T. 98 Wistar, T., Jr. 30 Wolf, R. B. 36 Wood, J. L. 51 Wood, J. W., Jr. 40 Worrell, G. 20 Wuesthoff, Joyce*54 Yarnall, S. R. 92 Yerkes, H. A. 25                                |
| Morgan, S. R. Morrison, S. B. Moses, P. B. Most, R. C. Muir, J. W. Munro, D. H. Muth, D. F. Myers, R. N. Napier, A. H. Nelson, K. R., Jr. Newman, W. W. Newton, J. Nofer, G. H., II Oliver, D. D. Pancoast, C. E., II Parry, H. F.  | 98<br>28<br>51<br>36<br>92<br>39<br>54<br>50<br>17<br>52<br>25<br>31<br>49<br>19<br>48<br>19<br>36             | Shipley, T. E. 12 Shipley, W. P. , Jr. 19 Shoemaker, B. H., II 94 Shoemaker, B., III 23 Shuman, L. K. 53 Silver, A. 27 Silver, P. W. 54 Singh, A. 54 Smith, D. M. 45 Smith, C. F. G. 35 Smith, L. M. 12 Smith, R. F. 25 Smith, W. W. 34 Solis-Cohen, L., Jr. 41 Solt, G. W. *27 Somerndike                       | Whiting, T. S. *28 Whittier, W. 38 Williams, C. R. 14 Williams, J. S. 20 Willis, D. P. 52 Willoughby, A. T. 51 Winston, R., Jr. 54 Wistar, T. 98 Wistar, T., Jr. 30 Wolf, R. B. 36 Wood, J. L. 51 Wood, J. W., Jr. 40 Worrell, G. 20 Wuesthoff, Joyce*54 Yarnall, S. R. 92 Yerkes, H. A. 25 PHILIPSBURG                    |
| Morgan, S. R. Morrison, S. B. Moses, P. B. Most, R. C. Muir, J. W. Munro, D. H. Muth, D. F. Myers, R. N. Napier, A. H. Nelson, K. R., Jr. Newman, W. W. Newton, J. Nofer, G. H., II Oliver, A. D. Oliver, D. D. Pancoast, C. E., II Parry, H. F. Peck, F. W. G.           | 98<br>28<br>51<br>36<br>92<br>39<br>54<br>50<br>17<br>52<br>25<br>31<br>49<br>19<br>48<br>19<br>36<br>31       | Shipley, T. E. 12 Shipley, W.P., Jr. 19 Shoemaker, B. H., II 94 Shoemaker, B., III 23 Shuman, L. K. 53 Silver, A. 27 Silver, P. W. 54 Singh, A. 54 Smith, D. M. 45 Smith, C.F.G. 35 Smith, L. M. 12 Smith, R. F. 25 Smith, W. W. 34 Solis-Cohen, L., Jr. 41 Solt, G. W. *27 Somerndike J. M. 53                  | Whiting, T. S. *28 Whittier, W. 38 Williams, C. R. 14 Williams, J. S. 20 Willis, D. P. 52 Willoughby, A. T. 51 Winston, R., Jr. 54 Wistar, T. 98 Wistar, T., Jr. 30 Wolf, R. B. 36 Wood, J. L. 51 Wood, J. W., Jr. 40 Worrell, G. 20 Wuesthoff, Joyce*54 Yarnall, S. R. 92 Yerkes, H. A. 25                                |
| Morgan, S. R. Morrison, S. B. Moses, P. B. Most, R. C. Muir, J. W. Munro, D. H. Muth, D. F. Myers, R. N. Napier, A. H. Nelson, K. R., Jr. Newman, W. W. Newton, J. Nofer, G. H., II Oliver, D. D. Pancoast, C. E., II Parry, H. F.  | 98<br>28<br>51<br>36<br>92<br>39<br>54<br>50<br>17<br>52<br>25<br>31<br>49<br>19<br>48<br>19<br>36             | Shipley, T. E. 12 Shipley, W. P. , Jr. 19 Shoemaker, B. H., II 94 Shoemaker, B., III 23 Shuman, L. K. 53 Silver, A. 27 Silver, P. W. 54 Singh, A. 54 Smith, D. M. 45 Smith, C. F. G. 35 Smith, L. M. 12 Smith, R. F. 25 Smith, W. W. 34 Solis-Cohen, L., Jr. 41 Solt, G. W. *27 Somerndike                       | Whiting, T. S. *28 Whittier, W. 38 Williams, C. R. 14 Williams, J. S. 20 Willis, D. P. 52 Willoughby, A. T. 51 Winston, R., Jr. 54 Wistar, T. 98 Wistar, T., Jr. 30 Wolf, R. B. 36 Wood, J. L. 51 Wood, J. W., Jr. 40 Worrell, G. 20 Wuesthoff, Joyce*54 Yarnall, S. R. 92 Yerkes, H. A. 25 PHILIPSBURG                    |
| Morgan, S. R. Morrison, S. B. Moses, P. B. Most, R. C. Muir, J. W. Munro, D. H. Muth, D. F. Myers, R. N. Napier, A. H. Nelson, K.R., Jr. Newman, W. W. Newton, J. Nofer, G. H., II Oliver, A. D. Oliver, D. D. Pancoast, C.E., II Parry, H. F. Peck, F.W.G. Pierce, E. C. | 98<br>28<br>51<br>36<br>92<br>39<br>54<br>50<br>17<br>52<br>25<br>31<br>49<br>19<br>48<br>19<br>36<br>31<br>05 | Shipley, T. E. 12 Shipley, W.P., Jr. 19 Shoemaker, B. H., II 94 Shoemaker, B., III 23 Shuman, L. K. 53 Silver, A. 27 Silver, P. W. 54 Singh, A. 54 Smith, D. M. 45 Smith, C.F.G. 35 Smith, L. M. 12 Smith, R. F. 25 Smith, W. W. 34 Solis-Cohen, L., Jr. 41 Solt, G. W. *27 Somerndike J. M. 53 Spaeth, K. H. 51 | Whiting, T. S. *28 Whittier, W. 38 Williams, C. R. 14 Williams, J. S. 20 Willis, D. P. 52 Willoughby, A. T. 51 Winston, R., Jr. 54 Wistar, T. 98 Wistar, T., Jr. 30 Wolf, R. B. 36 Wood, J. L. 51 Wood, J.W., Jr. 40 Worrell, G. 20 Wuesthoff, Joyce*54 Yarnall, S. R. 92 Yerkes, H. A. 25  PHILIPSBURG Thompson, E. J. 22 |
| Morgan, S. R. Morrison, S. B. Moses, P. B. Most, R. C. Muir, J. W. Munro, D. H. Muth, D. F. Myers, R. N. Napier, A. H. Nelson, K. R., Jr. Newman, W. W. Newton, J. Nofer, G. H., II Oliver, A. D. Oliver, D. D. Pancoast, C. E., II Parry, H. F. Peck, F. W. G.           | 98<br>28<br>51<br>36<br>92<br>39<br>54<br>50<br>17<br>52<br>25<br>31<br>49<br>19<br>48<br>19<br>36<br>31       | Shipley, T. E. 12 Shipley, W.P., Jr. 19 Shoemaker, B. H., II 94 Shoemaker, B., III 23 Shuman, L. K. 53 Silver, A. 27 Silver, P. W. 54 Singh, A. 54 Smith, D. M. 45 Smith, C.F.G. 35 Smith, L. M. 12 Smith, R. F. 25 Smith, W. W. 34 Solis-Cohen, L., Jr. 41 Solt, G. W. *27 Somerndike J. M. 53 Spaeth, K. H. 51 | Whiting, T. S. *28 Whittier, W. 38 Williams, C. R. 14 Williams, J. S. 20 Willis, D. P. 52 Willoughby, A. T. 51 Winston, R., Jr. 54 Wistar, T. 98 Wistar, T., Jr. 30 Wolf, R. B. 36 Wood, J. L. 51 Wood, J. W., Jr. 40 Worrell, G. 20 Wuesthoff, Joyce*54 Yarnall, S. R. 92 Yerkes, H. A. 25 PHILIPSBURG                    |

| PIPERSVILLE  | 0.1  | Corson, P. L.   | 19  | Simpson, J. C.   | 40  |
|--|--|---|---|--|---|
| Atkinson, R.   | 21   | Price, J. H.  | 11  | Stokes, J. T.  | 28  |
| Silver, J. A.  | 25   | Sheppard, W.E., II  | 36  | Watson, W.R., Jr.  | 41  |
| PITTSBURGH   |  | Supplee, A. I.  | 30  | ST. DAVIDS   |   |
|  |  |   |   |  | 50  |
| Anderson,  | 4.9  | POCONO LAKE   |   | Harvey, W. F.  | 52  |
| E. E., Jr.   | 43   | PRESERVE  |   | Hutton, A. W.  | 10  |
| Autenreith, L.H.   | 51   | Cary, E. S., Jr.  | 29  | Jones, A. E.   | 45  |
| Bair, W. L.  | 52   |   |   | Pierce, G.   | 38  |
| Barker, W. P.  | 48   | POTTSTOWN   |   | Robbins, L.C., Jr.   | 45  |
| Bartholomew,   |  | Evans, R.W., Jr.  | 41  | Wright, E.   | 08  |
| G. A.  | 45   | Feroe, M. L.  | 32  | SCHUYLKILL   |   |
| Brown, K.  | 42   | Feroe, R.A., Jr.  | 31  |  |   |
| Carson, J. S.  | 23   | Hallock, A.B., Jr.  | 28  | HAVEN  |   |
| Denman, D. N.  | 53   | Morgan, R. H.   | 32  | Feeser, P. T.  | 51  |
| Edgar, R. F.   | 31   |   |   | Feeser, R. P.  | 54  |
| Egmore, F. A.  | 30   | POTTSVILLE  |   | SCRANTON   |   |
|  | 53   | Bechtel, H. O.  | 93  | Birdsall, D. L.  | 11  |
| Forker, L.   |  | DDOCDECTUILLE   |   | Dirdsan, D. L.   | 11  |
| Gardner, J. A.   | 51   | PROSPECTVILLE   |   | SECANE   |   |
| George, J. M.  | 38   | Mason, S., III  | 48  | Wheeler, E. S.   | 48  |
| Gibson, D. L.  | 31   | QUAKERTOWN  |   |  |   |
| Grier, J. G.   | 44   |   | 51  | SEWICKLEY  |   |
| Hallett, H. M.   | 00   | Musser, F. O.   | 31  | Amerman, L.  | 31  |
| Hickman, H. W.   | 53   | QUARRYVILLE   |   | Colbert, W. H.   | 40  |
| Houston, J. M.   | 31   | Gabriel, R. W.  | 31  | Johnston, J.R., III  | 45  |
| Houston, W. M.   | 44   |   |   |  |   |
| Jacob, R. M.   | 44   | RADNOR  |   | SHARON   |   |
| Jessop, J. P.  | 31   | Chapman, J. C.  | 23  | Cole, R. W.  | 45  |
|  | 49   | Haughton, A. B.   | 42  | SHARON HILL  |   |
| Lasday, H. R.  | 26   | Jones, J. B.  | 21  |  | 07  |
| Leeds, W. M.   |  | Saxer, L. P.  | 42  | Grover, W. O.  | 27  |
| Leggett, J. M.   | 53   | Tatum, C. M.  | 28  | Knowlton, A. M.  | 50  |
| Lind, F. J., Jr.   | 50   | Wigfield, H.  | 44  | Knowlton, S. B.  | 23  |
| Lissfelt, M. C.  | 54   | Williams, R. D.   | 49  | Shanks, H.   | 52  |
| Mayer, D. P.   | 53   |   | 10  | CHILL INCTON   |   |
| McCurdy, K. F.   | 53   | READING   |   | SHILLINGTON  | E9  |
| Mead, W. E.  | 26   | Goodman, S.   | *54   | Killian, J.R., Jr.   | 52  |
| Mekeel, D. L.  | 91   | Lewis, G. H.  | 51  | MacIntosh,   |   |
| Miller, R. B.  | 17   | Schlegel, G. D.   | 53  | W. B., Jr.   | 50  |
| Morrison, H. W.  |  | Sensenig, H.  | 00  | SHIPPENSBURG   |   |
| Morrow, G., III  | 55   |   |   |  | 05  |
| Nash, G.   | 53   | RED LION  |   | Boher, S. M.   | 00  |
|  | 50   | Meads, W. C.  | 54  | SMITHPORT  |   |
| Parran, R. B.  |  |   |   |  |   |
| Rhoads,G.A.,Jr.  |  | DIDI EV DADE  |   | Johnson, L. M.   | 54  |
|  | 29   | RIDLEY PARK   | 0.1   | Johnson, L. M.   | 54  |
| Rich, J. L.  | 38   | RIDLEY PARK<br>Keech, R.M., Jr.   | 31  | SOLEBURY   |   |
| Rich, J. L.<br>Rodewald, W. Y.   | 38<br>50   | Keech,R.M.,Jr.  | 31  |  | 54<br>51  |
| Rich, J. L.<br>Rodewald, W. Y.<br>Slease, C. H.  | 38<br>50<br>38   | Keech,R.M.,Jr. ROCKLEDGE  | 31  | SOLEBURY<br>Cadwallader, G.  |   |
| Rich, J. L.<br>Rodewald, W. Y.   | 38<br>50   | Keech,R.M.,Jr. ROCKLEDGE Millspaugh,  |   | SOLEBURY<br>Cadwallader, G.<br>SOUTHAMPTON   | 51  |
| Rich, J. L.<br>Rodewald, W. Y.<br>Slease, C. H.  | 38<br>50<br>38   | Keech,R.M.,Jr. ROCKLEDGE  | 31<br>53  | SOLEBURY<br>Cadwallader, G.<br>SOUTHAMPTON<br>Morris, E. P.  | 51<br>22  |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H.  | 38<br>50<br>38<br>32   | Keech,R.M.,Jr. ROCKLEDGE Millspaugh,  |   | SOLEBURY<br>Cadwallader, G.<br>SOUTHAMPTON   | 51  |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E.   | 38<br>50<br>38<br>32<br>41   | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE  |   | SOLEBURY<br>Cadwallader, G.<br>SOUTHAMPTON<br>Morris, E. P.<br>Troth, J. T.  | 51<br>22  |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F.   | 38<br>50<br>38<br>32<br>41<br>46<br>38   | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M.  | 53  | SOLEBURY<br>Cadwallader, G.<br>SOUTHAMPTON<br>Morris, E. P.<br>Troth, J. T.<br>SPRING CITY   | 51<br>22<br>08  |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W.  | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34   | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT   | 53<br>22  | SOLEBURY<br>Cadwallader, G.<br>SOUTHAMPTON<br>Morris, E. P.<br>Troth, J. T.<br>SPRING CITY<br>Pancoast, C. E., III   | 51<br>22<br>08  |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J. N., Jr.  | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33                                     | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT Allen, R. E.  | <ul><li>53</li><li>22</li><li>53</li></ul>  | SOLEBURY<br>Cadwallader, G.<br>SOUTHAMPTON<br>Morris, E. P.<br>Troth, J. T.<br>SPRING CITY   | 51<br>22<br>08  |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J.N., Jr. Taylor, E. M.   | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33<br>36                               | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT   | 53<br>22  | SOLEBURY<br>Cadwallader, G.<br>SOUTHAMPTON<br>Morris, E. P.<br>Troth, J. T.<br>SPRING CITY<br>Pancoast, C. E., III<br>Peifer, R. E., Jr.   | 51<br>22<br>08  |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J.N., Jr. Taylor, E. M. Van Der Voort, R.   | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33<br>36<br>**30                       | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT Allen, R. E.  | <ul><li>53</li><li>22</li><li>53</li></ul>  | SOLEBURY<br>Cadwallader, G.<br>SOUTHAMPTON<br>Morris, E. P.<br>Troth, J. T.<br>SPRING CITY<br>Pancoast, C. E., III<br>Peifer, R. E., Jr.<br>SPRINGFIELD  | 51<br>22<br>08<br>145<br>39   |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J.N., Jr. Taylor, E. M. Van Der Voort, R Watkins, T. A.   | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33<br>36<br>**30                       | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT Allen, R. E. Allinson, E. P.  | 53<br>22<br>53<br>41  | SOLEBURY Cadwallader, G. SOUTHAMPTON Morris, E. P. Troth, J. T. SPRING CITY Pancoast, C. E., III Peifer, R. E., Jr. SPRINGFIELD Clement, C. A.   | 51<br>22<br>08<br>145<br>39   |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J.N., Jr. Taylor, E. M. Van Der Voort, R. Watkins, T. A. Watson, W. G.  | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33<br>36<br>33<br>39<br>30             | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT Allen, R. E. Allinson, E. P. Brewer, P. C., Brewer, P. C.,  | 53<br>22<br>53<br>41<br>12<br>49  | SOLEBURY Cadwallader, G. SOUTHAMPTON Morris, E. P. Troth, J. T. SPRING CITY Pancoast, C. E., III Peifer, R. E., Jr. SPRINGFIELD Clement, C. A. Conn, W. K.   | 51<br>22<br>08<br>145<br>39   |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J.N., Jr. Taylor, E. M. Van Der Voort, R. Watkins, T. A. Watson, W. G. White, N. A.   | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33<br>36<br>**30<br>39<br>30<br>23     | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT Allen, R. E. Allinson, E. P. Brewer, P. C. Brewer, P. C.,Jr. Collings, C. C.  | 53<br>22<br>53<br>41<br>12<br>49<br>08  | SOLEBURY Cadwallader, G. SOUTHAMPTON Morris, E. P. Troth, J. T. SPRING CITY Pancoast, C. E., III Peifer, R. E., Jr. SPRINGFIELD Clement, C. A. Conn, W. K.   | 51<br>22<br>08<br>145<br>39   |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J.N., Jr. Taylor, E. M. Van Der Voort, R. Watkins, T. A. Watson, W. G.  | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33<br>36<br>33<br>39<br>30             | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT Allen, R. E. Allinson, E. P. Brewer, P. C. Brewer, P.C.,Jr. Collings, C. C. Craig,E.E.,Jr.  | 53<br>22<br>53<br>41<br>12<br>49<br>08<br>33  | SOLEBURY Cadwallader, G. SOUTHAMPTON Morris, E. P. Troth, J. T. SPRING CITY Pancoast, C. E., III Peifer, R. E., Jr. SPRINGFIELD Clement, C. A. Conn, W. K. Curley, E. I.   | 51<br>22<br>08<br>145<br>39<br>27<br>44                                     |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J.N., Jr. Taylor, E. M. Van Der Voort, R. Watkins, T. A. Watson, W. G. White, N. A.   | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33<br>36<br>**30<br>39<br>30<br>23     | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT Allen, R. E. Allinson, E. P. Brewer, P. C. Brewer, P. C.,Jr. Collings, C. C. Craig, E. E., Jr. Fowler, A. V.  | 53<br>22<br>53<br>41<br>12<br>49<br>08<br>33<br>27                                      | SOLEBURY Cadwallader, G. SOUTHAMPTON Morris, E. P. Troth, J. T. SPRING CITY Pancoast, C. E., III Peifer, R. E., Jr. SPRINGFIELD Clement, C. A. Conn, W. K. Curley, E. I. Falconer, W. C.   | 51<br>22<br>08<br>145<br>39<br>27<br>44<br>36                               |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J.N., Jr. Taylor, E. M. Van Der Voort, R Watkins, T. A. Watson, W. G. White, N. A. Winslow, G. L.   | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33<br>36<br>39<br>30<br>23<br>13       | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT Allen, R. E. Allinson, E. P. Brewer, P. C. Brewer, P. C. Jr. Collings, C. C. Craig, E. Jr. Fowler, A. V. Green, K. S.   | 53<br>22<br>53<br>41<br>12<br>49<br>08<br>33<br>27<br>94                                | SOLEBURY Cadwallader, G. SOUTHAMPTON Morris, E. P. Troth, J. T. SPRING CITY Pancoast, C. E., III Peifer, R. E., Jr. SPRINGFIELD Clement, C. A. Conn, W. K. Curley, E. I. Falconer, W. C. Ford, F. F., Jr.  | 51<br>22<br>08<br>145<br>39<br>27<br>44<br>36<br>42<br>51                   |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J.N., Jr. Taylor, E. M. Van Der Voort, R Watkins, T. A. Watson, W. G. White, N. A. Winslow, G. L.   | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33<br>36<br>39<br>30<br>23<br>13       | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT Allen, R. E. Allinson, E. P. Brewer, P. C. Brewer, P. C. Craig, E. E., Jr. Fowler, A. V. Green, K. S. Halberstadt, R. L.  | 53<br>22<br>53<br>41<br>11<br>49<br>08<br>33<br>27<br>94<br>30                          | SOLEBURY Cadwallader, G. SOUTHAMPTON Morris, E. P. Troth, J. T. SPRING CITY Pancoast, C. E., JII Peifer, R. E., Jr. SPRINGFIELD Clement, C. A. Conn, W. K. Curley, E. I. Falconer, W. C. Ford, F. F., Jr. Harjes, F. H.  | 51<br>22<br>08<br>(45<br>39<br>27<br>44<br>36<br>42<br>51<br>34             |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J.N., Jr. Taylor, E. M. Van Der Voort, R. Watkins, T. A. Watson, W. G. White, N. A. Winslow, G. L. Wright, A. PLUMSTEAD                                     | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33<br>36<br>39<br>30<br>23<br>13       | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT Allen, R. E. Allinson, E. P. Brewer, P. C. Brewer, P. C.,Jr. Collings, C. C. Craig,E.E.,Jr. Fowler, A. V. Green, K. S. Halberstadt,R.L. Hibberd, E. N.  | 53<br>22<br>53<br>41<br>12<br>49<br>08<br>33<br>27<br>94<br>30<br>52                    | SOLEBURY Cadwallader, G. SOUTHAMPTON Morris, E. P. Troth, J. T. SPRING CITY Pancoast, C. E., III Peifer, R. E., Jr.  SPRINGFIELD Clement, C. A. Conn, W. K. Curley, E. I. Falconer, W. C. Ford, F. F., Jr. Harjes, F. H. Purdy, D. A.  | 51<br>22<br>08<br>445<br>39<br>27<br>44<br>36<br>42<br>51<br>34<br>45       |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J.N., Jr. Taylor, E. M. Van Der Voort, R. Watkins, T. A. Watson, W. G. White, N. A. Winslow, G. L. Wright, A.  PLUMSTEAD Dayton, A.S., Jr.                  | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33<br>36<br>39<br>30<br>23<br>13<br>25 | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT Allen, R. E. Allinson, E. P. Brewer, P. C. Brewer, P. C. Jr. Collings, C. C. Craig,E.E.,Jr. Fowler, A. V. Green, K. S. Halberstadt,R.L. Hibberd, E. N. Lodge,H.T.,Jr.   | 53<br>22<br>53<br>41<br>12<br>49<br>08<br>33<br>27<br>94<br>30<br>52<br>36              | SOLEBURY Cadwallader, G. SOUTHAMPTON Morris, E. P. Troth, J. T. SPRING CITY Pancoast, C. E., JII Peifer, R. E., Jr. SPRINGFIELD Clement, C. A. Conn, W. K. Curley, E. I. Falconer, W. C. Ford, F. F., Jr. Harjes, F. H.  | 51<br>22<br>08<br>(45<br>39<br>27<br>44<br>36<br>42<br>51<br>34             |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J.N., Jr. Taylor, E. M. Van Der Voort, R. Watkins, T. A. Watson, W. G. White, N. A. Winslow, G. L. Wright, A.  PLUMSTEAD Dayton, A.S., Jr. PLYMOUTH         | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33<br>36<br>39<br>30<br>23<br>13<br>25 | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT Allen, R. E. Allinson, E. P. Brewer, P. C. Brewer, P. C.,Jr. Collings, C. C. Craig,E.E.,Jr. Fowler, A. V. Green, K. S. Halberstadt,R.L. Hibberd, E. N. Lodge,H.T.,Jr. Moon, J. M.                               | 53<br>22<br>53<br>41<br>12<br>49<br>08<br>33<br>27<br>94<br>30<br>52<br>36<br>43        | SOLEBURY Cadwallader, G. SOUTHAMPTON Morris, E. P. Troth, J. T. SPRING CITY Pancoast, C. E., III Peifer, R. E., Jr.  SPRINGFIELD Clement, C. A. Conn, W. K. Curley, E. I. Falconer, W. C. Ford, F. F., Jr. Harjes, F. H. Purdy, D. A. Thomas, D. E.                                | 51<br>22<br>08<br>445<br>39<br>27<br>44<br>36<br>42<br>51<br>34<br>45<br>49 |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J.N., Jr. Taylor, E. M. Van Der Voort, R. Watkins, T. A. Watkon, W. G. White, N. A. Winslow, G. L. Wright, A.  PLUMSTEAD Dayton, A.S., Jr. PLYMOUTH MEETING | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33<br>36<br>39<br>30<br>23<br>13<br>25 | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT Allen, R. E. Allinson, E. P. Brewer, P. C. Brewer, P. C. Craig,E.E.,Jr. Fowler, A. V. Green, K. S. Halberstadt,R.L. Hibberd, E. N. Lodge,H.T.,Jr. Moon, J. M. Palmer, L. H.                                     | 53<br>22<br>53<br>41<br>112<br>49<br>08<br>33<br>27<br>94<br>30<br>52<br>36<br>43<br>39 | SOLEBURY Cadwallader, G. SOUTHAMPTON Morris, E. P. Troth, J. T. SPRING CITY Pancoast, C. E., III Peifer, R. E., Jr. SPRINGFIELD Clement, C. A. Conn, W. K. Curley, E. I. Falconer, W. C. Ford, F. F., Jr. Harjes, F. H. Purdy, D. A. Thomas, D. E.                                 | 51<br>22<br>08<br>(45<br>39<br>27<br>44<br>36<br>42<br>51<br>34<br>45<br>49 |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J.N., Jr. Taylor, E. M. Van Der Voort, R. Watkins, T. A. Watson, W. G. White, N. A. Winslow, G. L. Wright, A.  PLUMSTEAD Dayton, A.S., Jr. PLYMOUTH         | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33<br>36<br>39<br>30<br>23<br>13<br>25 | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT Allen, R. E. Allinson, E. P. Brewer, P. C. Brewer, P. C.,Jr. Collings, C. C. Craig,E.E.,Jr. Fowler, A. V. Green, K. S. Halberstadt,R.L. Hibberd, E. N. Lodge,H.T.,Jr. Moon, J. M. Palmer, L. H. Phillips, D. L. | 53<br>22<br>53<br>41<br>12<br>49<br>08<br>33<br>27<br>94<br>30<br>52<br>36<br>43        | SOLEBURY Cadwallader, G. SOUTHAMPTON Morris, E. P. Troth, J. T. SPRING CITY Pancoast, C. E., III Peifer, R. E., Jr.  SPRINGFIELD Clement, C. A. Conn, W. K. Curley, E. I. Falconer, W. C. Ford, F. F., Jr. Harjes, F. H. Purdy, D. A. Thomas, D. E.  STATE COLLEGE Champlin, C. D. | 51<br>22<br>08<br>445<br>39<br>27<br>44<br>42<br>51<br>34<br>45<br>49       |
| Rich, J. L. Rodewald, W. Y. Slease, C. H. Smith, F. J. Smith, R. H. Spatz, R. E. Sponsler, C. F. Stanley, M. W. Stanton, J.N., Jr. Taylor, E. M. Van Der Voort, R. Watkins, T. A. Watkon, W. G. White, N. A. Winslow, G. L. Wright, A.  PLUMSTEAD Dayton, A.S., Jr. PLYMOUTH MEETING | 38<br>50<br>38<br>32<br>41<br>46<br>38<br>34<br>33<br>36<br>39<br>30<br>23<br>13<br>25 | Keech,R.M.,Jr. ROCKLEDGE Millspaugh, F. W., Jr. ROSEDALE Snader, C. M. ROSEMONT Allen, R. E. Allinson, E. P. Brewer, P. C. Brewer, P. C. Craig,E.E.,Jr. Fowler, A. V. Green, K. S. Halberstadt,R.L. Hibberd, E. N. Lodge,H.T.,Jr. Moon, J. M. Palmer, L. H.                                     | 53<br>22<br>53<br>41<br>112<br>49<br>08<br>33<br>27<br>94<br>30<br>52<br>36<br>43<br>39 | SOLEBURY Cadwallader, G. SOUTHAMPTON Morris, E. P. Troth, J. T. SPRING CITY Pancoast, C. E., III Peifer, R. E., Jr. SPRINGFIELD Clement, C. A. Conn, W. K. Curley, E. I. Falconer, W. C. Ford, F. F., Jr. Harjes, F. H. Purdy, D. A. Thomas, D. E.                                 | 51<br>22<br>08<br>445<br>39<br>27<br>44<br>42<br>51<br>34<br>45<br>49       |

| Johnstone,                        |     | Morris, F. B.                  | 06   | Skerrett,          |     |
|-----------------------------------|-----|--------------------------------|------|--------------------|-----|
| H. W., Jr.                        | 42  | Morris, H. H.                  | 04   | W. H. W., Jr.      | 42  |
| Pixton,                           |     | Morris, R. H.                  | 10   | Thomas, R. M.      | 25  |
|                                   | *45 | Scattergood,                   |      | Trimble, H.N., Jr. | 34  |
| Swartley, W. M.                   | 50  | A. G., II                      | 33   | Trout, E. E.       | 02  |
| STRAFFORD                         |     | Shihadeh, T.H., Jr             | .39  | Wendell, D. C.     | 16  |
| Grosholz, E. D.                   | 41  | Snyder, M. P.                  | 35   | Wetzel, C. H.      | 12  |
| Haynes, J. S.                     | 19  | Strawbridge,                   |      | Wood, J. D.        | 16  |
| Hoehler, H. H.                    | 51  | F. R., Jr.                     | 33   | Woolford, S. A.    | 34  |
| Kase, J. B.                       | 35  | Torrence, H.                   | 43   | WAYNESBORO         |     |
| Lusson, L.C.O.                    | 18  | WALLINGFORD                    |      | Good, A. B.        | 46  |
|                                   | 10  | Brinton, H. H.                 | 04   |                    | 46  |
| STROUDSBURG                       |     | Cadbury, H. J.                 | 03   | Mumma, J. F.       | 40  |
| Moock, R.F.S.                     | 19  | Edmonds, J. B.                 | 20   | WAYNESBURG         |     |
| Sheaff, P.A., Jr.                 | 28  |                                | *39  | Huffman, G. C.     | 23  |
| SUMMIT                            |     | Hoskins, L.M.<br>Rankin, C. E. | 39   |                    |     |
|                                   | 29  | Rowell, H. B.                  |      | WEST CHESTER       |     |
| Murray, K. N.                     | 23  |                                | 30   | Abbott, C. C.      | 42  |
| SWARTHMORE                        |     | Young, W. J.                   | 11   | Allinson, E. P.    | 10  |
| Beck, H. C.                       | 36  | WARMINSTER                     |      | Baily, A.L., Jr.   | 12  |
| Brodhead, R. S.                   | 21  | Evans, C.                      | 02   | Ballard, H. W.     | 32  |
| Compton,H.N.,Jr                   | .44 |                                |      | Barrows, R.L., Jr  | .36 |
| Elkinton, J. P.                   | 08  | WARREN                         |      | Braddock-Rogers    | 3,  |
| Gilbert, C. G.                    | 50  | Harper, S. K.                  | 38   | K.                 | 22  |
| Hayes, D.                         | 49  | Mervine, D. S.                 | 39   | Brinton, E. G.     | 12  |
| Lee, M. M.                        | 98  | Stone, J. L.                   | 02   | Butler, W., III    | 35  |
| Meyers, R. W.                     | 48  | Stone, W. M.                   | 25   | Cadbury, W. E.     | 01  |
| Rankin, R. E.                     | 50  | WASHINGTON                     |      | Comfort, G. B.     | 07  |
|                                   | 34  |                                |      | Cope, J.           | 09  |
| Russell, H. G.<br>Schwartz, R. G. | 55  | CROSSING                       | 9.0  | Croll, W. L.       | 07  |
|                                   |     | Cook, T. N.                    | 38   | Darlington, W.M.   |     |
| Shero, L. R.                      | 11  | WAWA                           |      | 0 .                |     |
| Shoemaker, W.R.                   |     | Bacon, G. R.                   | 32   | deSabran, L.B.L.   |     |
| Smith, B. D.                      | 34  |                                |      | Dorries, K.R., Jr. |     |
| Tomlinson, W.P.                   | 10  | WAYNE                          |      | Garrett, P. C.     | 26  |
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|                                   | 10  | Bouzarth, W. F.                |      | Hoopes, T., Jr.    | 15  |
| Henne, J. K.                      | 48  | Brinton, W. F.                 | 32   | Hoopes, W. R.      | 29  |
| Warner, A. N.                     | 07  | Buck, A. S.                    | 23   | Kay, D. A.         | 22  |
| TREVOST                           |     | Cartier, G. T.                 | 49   | Kester, D. J.      | 44  |
| Swartzbeck, W.                    | *53 | Chalfant, T. M.                | 97   | Kinney, W.S., Jr.  | 38  |
| UPPER DARBY                       |     | Clement, D. C.                 | 17   | Maule, S.G.M.      | 40  |
|                                   |     | Dallett, F.J., Jr.             | 50   | McDermott, L.D.    | 52  |
| Annesley,                         | 47  | Diament, F. H.                 | 13   | Miller, W. E.      | 32  |
| W. H., Jr.                        | 47  | Dusseau, J. L.                 | 34   | Moore, L. C.       | 09  |
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| Haines, W. F.                     | 53  | Goodhue, F., III               | 19   | Mullin, J. T.      | 20  |
| Hamill, J.                        | 43  | Greenwell, H. D.               | . 24 | Pleasants,H.,Jr.   | 06  |
| Owen, C. R.                       | 04  | Grosholz, J. R.                | 49   | Potts, A. W.       | 34  |
| Philips, D. E.                    | 50  | Howson, C. H.                  | 97   | Renwick, E. H.     | 28  |
| Van Haagen, E.H.                  | 38  | Jones, F. P.                   | 33   | Rhoads, W.L., III  | 50  |
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| Blair, R.                         | 30  | Lewis, F. A.                   | 40   | Rohrmayer,         |     |
| Bull, R. C.                       | 28  | Luden, W.H., Jr.               | 38   | F. P., Jr.         | 39  |
| Clement, J.B., Jr.                |     | Morris, A. G.                  | 45   | Schramm, H.J.      | 32  |
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| Keetz, E. J.                      | 51  | Pruitt, D. M.                  | 23   | Woodbridge,R.L.    |     |
| Klein, G. W.                      | 50  |                                |      | _                  | 10  |
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| Maier, J. S.                      | 29  | Ristine, F. P.                 | 94   | Walmsley, J. E.    | 31  |
|                                   |     | Robinson, D. P.                | 44   | WEST T AND         |     |
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| Brown, C.T., Jr.<br>Brown, T. S.  | 38<br>34  | YARDLEY  | 48   | TENNESSEE   |   |
|   | *38   | Baker, R. K.<br>Hoyer, J. A.   | 39   | TENNESSEE   |   |
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| Test, D.D.,Jr.  | 29<br>54  | Gailey,J.R.,Jr.<br>Gailey, J. A.   | 48<br>52   | CROSSVILLE  | 39  |
| White, C. WHITEMARSH  | 04  | Hutchins, J. S.  | 45   |   | 39  |
| March, R. M.  | 54  | Kindig, S. J.  | 54   | KNOXVILLE   |   |
| WHITFORD  |   | Loucks, W. B.  | 51   |   | 25  |
| Thomas, J. R.   | 04  | Moore,G.H.,Jr.<br>Smith, A. J., II   | 44<br>51   |   | 25  |
| WILKES-BARRE  |   | Smith, G.  | 11   | MEMPHIS   |   |
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| Ritchie, G. B.<br>Rivers, R. D.   | 46<br>55  |  |  |   | 30  |
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| Sears, D.F.,Jr.   | 51  | LITTLE COMPTO  | ON<br>41   | NASHVILLE   |   |
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| Hill, T. R.   | 08  | P. O. C.   | 52   | OAK RIDGE   |   |
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| Hickman, H. L.  | 50  | Rice, D. H., III   | 55   | SEWANEE   |   |
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| Clark, J. H.<br>Disbrow, D. W.  | 11<br>49  | Lawton, M. P.  | 47   | SIGNAL MOUNTAI  |   |
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| Evans, J. M.<br>Rorer, H. C.  | 43<br>27  | Berman, A. A.  | *50  |   |   |
| Rorer, H. C.<br>Zerrer, E.  |   | Berman, A. A.<br>Gifford, P. C.  | *50<br>13<br>16  | TEXAS   |   |
| Rorer, H. C.<br>Zerrer, E.<br>WYNNEWOOD   | 27<br>22  | Berman, A. A. Gifford, P. C. Knight, C.P., Jr. Parke, R., Jr.  | 13<br>16<br>50   | TEXAS   |   |
| Rorer, H. C.<br>Zerrer, E.<br>WYNNEWOOD<br>Betz, G. W.  | 27<br>22<br>30  | Berman, A. A. Gifford, P. C. Knight, C.P., Jr. Parke, R., Jr. Thomas, L. R.  | 13<br>16<br>50<br>13   | TEXAS  BAYTOWN  | 39  |
| Rorer, H. C.<br>Zerrer, E.<br>WYNNEWOOD   | 27<br>22  | Berman, A. A.<br>Gifford, P. C.<br>Knight, C.P., Jr.<br>Parke, R., Jr.<br>Thomas, L. R.<br>Buffum, F.C., Jr.   | 13<br>16<br>50   | TEXAS<br>BAYTOWN  |   |
| Rorer, H. C.<br>Zerrer, E.<br>WYNNEWOOD<br>Betz, G. W.<br>Bready, W. R., III<br>Brown, H. T., Jr.<br>Crawford, J. D.  | 27<br>22<br>30<br>28<br>23<br>54  | Berman, A. A. Gifford, P. C. Knight, C.P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F.C., Jr. Smith, C. A.   | 13<br>16<br>50<br>13<br>16                                     | BAYTOWN Whitson, R. O. BEAUMONT Hastings, A. W.   | 39  |
| Rorer, H. C.<br>Zerrer, E.<br>WYNNEWOOD<br>Betz, G. W.<br>Bready, W. R., III<br>Brown, H. T., Jr.<br>Crawford, J. D.<br>Ferguson, J. C.   | 27<br>22<br>30<br>28<br>23<br>54<br>14  | Berman, A. A. Gifford, P. C. Knight, C.P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F.C., Jr. Smith, C. A. WESTERLY  | 13<br>16<br>50<br>13<br>16                                     | BAYTOWN Whitson, R. O. BEAUMONT Hastings, A. W.   | 39  |
| Rorer, H. C.<br>Zerrer, E.<br>WYNNEWOOD<br>Betz, G. W.<br>Bready, W. R., III<br>Brown, H. T., Jr.<br>Crawford, J. D.<br>Ferguson, J. C.<br>Forsythe, J. E.  | 27<br>22<br>30<br>28<br>23<br>54  | Berman, A. A. Gifford, P. C. Knight, C.P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F.C., Jr. Smith, C. A. WESTERLY Wills, J. B.   | 13<br>16<br>50<br>13<br>16<br>37                               | BAYTOWN Whitson, R. O. BEAUMONT Hastings, A. W. Morian, C.H., Jr.   | 39  |
| Rorer, H. C.<br>Zerrer, E.<br>WYNNEWOOD<br>Betz, G. W.<br>Bready, W. R., III<br>Brown, H. T., Jr.<br>Crawford, J. D.<br>Ferguson, J. C.<br>Forsythe, J. E.<br>Fultz, J. M., II<br>Gallager, H. V.   | 27<br>22<br>30<br>28<br>23<br>54<br>14<br>27<br>34<br>11  | Berman, A. A. Gifford, P. C. Knight, C.P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F.C., Jr. Smith, C. A. WESTERLY  | 13<br>16<br>50<br>13<br>16<br>37                               | BAYTOWN Whitson, R. O. 3 BEAUMONT Hastings, A. W. 4 Morian, C. H., Jr. 3 BELLAIRE   | 39  |
| Rorer, H. C. Zerrer, E. WYNNEWOOD Betz, G. W. Bready, W. R., III Brown, H. T., Jr. Crawford, J. D. Ferguson, J. C. Forsythe, J. E. Fultz, J. M., II Gallager, H. V. Geckeler, E. O.   | 27<br>22<br>30<br>28<br>23<br>54<br>14<br>27<br>34<br>11<br>20  | Berman, A. A. Gifford, P. C. Knight, C.P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F.C., Jr. Smith, C. A. WESTERLY Wills, J. B. WICKFORD  | 13<br>16<br>50<br>13<br>16<br>37                               | BAYTOWN Whitson, R. O. 3 BEAUMONT Hastings, A. W. 4 Morian, C. H., Jr. 3 BELLAIRE   | 39<br>21<br>38  |
| Rorer, H. C. Zerrer, E. WYNNEWOOD Betz, G. W. Bready, W. R., III Brown, H. T., Jr. Crawford, J. D. Ferguson, J. C. Forsythe, J. E. Fultz, J. M., II Gallager, H. V. Geckeler, E. O. Greene, J.H., Jr.   | 27<br>22<br>30<br>28<br>23<br>54<br>14<br>27<br>34<br>11<br>20<br>52  | Berman, A. A. Gifford, P. C. Knight, C. P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F. C., Jr. Smith, C. A. WESTERLY Wills, J. B. WICKFORD Elliott, J. Y.   | 13<br>16<br>50<br>13<br>16<br>37                               | BAYTOWN Whitson, R. O. 3 BEAUMONT Hastings, A. W. Morian, C. H., Jr. 3 BELLAIRE Morian, T. F. 4 BIG SPRING  | 339<br>221<br>338   |
| Rorer, H. C. Zerrer, E. WYNNEWOOD Betz, G. W. Bready, W. R., III Brown, H. T., Jr. Crawford, J. D. Ferguson, J. C. Forsythe, J. E. Fultz, J. M., II Gallager, H. V. Geckeler, E. O.   | 27<br>22<br>30<br>28<br>23<br>54<br>14<br>27<br>34<br>11<br>20  | Berman, A. A. Gifford, P. C. Knight, C. P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F. C., Jr. Smith, C. A. WESTERLY Wills, J. B. WICKFORD Elliott, J. Y.   | 13<br>16<br>50<br>13<br>16<br>37                               | BAYTOWN Whitson, R. O. 3 BEAUMONT Hastings, A. W. Morian, C. H., Jr. 3 BELLAIRE Morian, T. F. 4 BIG SPRING  | 39<br>21<br>38  |
| Rorer, H. C. Zerrer, E. WYNNEWOOD Betz, G. W. Bready, W.R., III Brown, H. T., Jr. Crawford, J. D. Ferguson, J. C. Forsythe, J. E. Fultz, J. M., II Gallager, H. V. Geckeler, E. O. Greene, J. H., Jr. Lane, W. S. Leonard, J. W. Lewis, G.C., Jr.   | 27<br>22<br>30<br>28<br>23<br>54<br>14<br>27<br>34<br>11<br>20<br>52<br>29<br>21<br>42  | Berman, A. A. Gifford, P. C. Knight, C.P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F.C., Jr. Smith, C. A. WESTERLY Wills, J. B. WICKFORD Elliott, J. Y. Greene, J.W., Jr.   | 13<br>16<br>50<br>13<br>16<br>37                               | BAYTOWN Whitson, R. O. 3 BEAUMONT Hastings, A. W. Morian, C.H., Jr. 3 BELLAIRE Morian, T. F. 4 BIG SPRING Lurting, F. W. 4  | 339<br>221<br>338   |
| Rorer, H. C. Zerrer, E. WYNNEWOOD Betz, G. W. Bready, W. R., III Brown, H. T., Jr. Crawford, J. D. Ferguson, J. C. Forsythe, J. E. Fultz, J. M., II Gallager, H. V. Geckeler, E. O. Greene, J. H., Jr. Lane, W. S. Leonard, J. W. Lewis, G. C., Jr. Limeburner, F. H.   | 27<br>22<br>30<br>28<br>23<br>54<br>14<br>27<br>34<br>11<br>20<br>52<br>29<br>21<br>42  | Berman, A. A. Gifford, P. C. Knight, C. P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F. C., Jr. Smith, C. A. WESTERLY Wills, J. B. WICKFORD Elliott, J. Y. Greene, J.W., Jr.   | 13<br>16<br>50<br>13<br>16<br>37<br>31<br>42<br>17             | BAYTOWN Whitson, R. O. 3 BEAUMONT Hastings, A. W. Morian, C.H., Jr. 3 BELLAIRE Morian, T. F. 4 BIG SPRING Lurting, F. W. 4 CORPUS CHRISTI   | 339<br>21<br>338<br>41  |
| Rorer, H. C. Zerrer, E.  WYNNEWOOD Betz, G. W. Bready, W. R., III Brown, H. T., Jr. Crawford, J. D. Ferguson, J. C. Forsythe, J. E. Fultz, J. M., II Gallager, H. V. Geckeler, E. O. Greene, J. H., Jr. Lane, W. S. Leonard, J. W. Lewis, G. C., Jr. Limeburner, F. H. Mandell, M. S.   | 27<br>22<br>30<br>28<br>23<br>54<br>14<br>27<br>34<br>11<br>20<br>52<br>29<br>21<br>42<br>. 19<br>55  | Berman, A. A. Gifford, P. C. Knight, C.P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F.C., Jr. Smith, C. A. WESTERLY Wills, J. B. WICKFORD Elliott, J. Y. Greene, J.W., Jr.  SOUTH CAROLINA AIKEN Miller, D. K.   | 13<br>16<br>50<br>13<br>16<br>37<br>31<br>42<br>17             | BAYTOWN Whitson, R. O. 3 BEAUMONT Hastings, A. W. 4 Morian, C. H., Jr. 3 BELLAIRE Morian, T. F. 4 BIG SPRING Lurting, F. W. 4 CORPUS CHRISTI Bowman, M. S. 4  | 339<br>221<br>338<br>441<br>440   |
| Rorer, H. C. Zerrer, E. WYNNEWOOD Betz, G. W. Bready, W. R., III Brown, H. T., Jr. Crawford, J. D. Ferguson, J. C. Forsythe, J. E. Fultz, J. M., II Gallager, H. V. Geckeler, E. O. Greene, J. H., Jr. Lane, W. S. Leonard, J. W. Lewis, G. C., Jr. Limeburner, F. H Mandell, M. S. Mitchell, J.J., III Painter, H. J.  | 27<br>22<br>30<br>28<br>23<br>54<br>14<br>27<br>34<br>11<br>20<br>52<br>29<br>21<br>42<br>.19<br>55<br>52<br>18                                     | Berman, A. A. Gifford, P. C. Knight, C.P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F.C., Jr. Smith, C. A. WESTERLY Wills, J. B. WICKFORD Elliott, J. Y. Greene, J.W., Jr.  SOUTH CAROLINA  AIKEN Miller, D. K. Wingerd, D. H.   | 13<br>16<br>50<br>13<br>16<br>37<br>31<br>42<br>17             | BAYTOWN Whitson, R. O. 3 BEAUMONT Hastings, A. W. 4 Morian, C. H., Jr. 3 BELLAIRE Morian, T. F. 4 BIG SPRING Lurting, F. W. 4 CORPUS CHRISTI Bowman, M. S. Eshleman, B., Jr. 4  | 339<br>221<br>338<br>441<br>440   |
| Rorer, H. C. Zerrer, E. WYNNEWOOD Betz, G. W. Bready, W.R., III Brown, H. T., Jr. Crawford, J. D. Ferguson, J. C. Forsythe, J. E. Fultz, J. M., II Gallager, H. V. Geckeler, E. O. Greene, J. H., Jr. Lane, W. S. Leonard, J. W. Lewis, G. C., Jr. Limeburner, F. H. Mandell, M. S. Mitchell, J.J., III Painter, H. J. Renninger, G. H.   | 27<br>22<br>30<br>28<br>23<br>54<br>14<br>27<br>34<br>11<br>20<br>52<br>29<br>21<br>42<br>.19<br>55<br>52<br>21<br>18<br>27                         | Berman, A. A. Gifford, P. C. Knight, C.P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F.C., Jr. Smith, C. A. WESTERLY Wills, J. B. WICKFORD Elliott, J. Y. Greene, J.W., Jr.  SOUTH CAROLINA  AIKEN Miller, D. K. Wingerd, D. H. CHARLESTON  | 13<br>16<br>50<br>13<br>16<br>37<br>31<br>42<br>17             | BAYTOWN Whitson, R. O. 3 BEAUMONT Hastings, A. W. 4 Morian, C. H., Jr. 3 BELLAIRE Morian, T. F. 4 BIG SPRING Lurting, F. W. 4 CORPUS CHRISTI Bowman, M. S. Eshleman, B., Jr. 7 Tang, L. W. C. 4   | 339<br>221<br>338<br>441<br>440<br>43<br>449  |
| Rorer, H. C. Zerrer, E. WYNNEWOOD Betz, G. W. Bready, W. R., III Brown, H. T., Jr. Crawford, J. D. Ferguson, J. C. Forsythe, J. E. Fultz, J. M., II Gallager, H. V. Geckeler, E. O. Greene, J. H., Jr. Lane, W. S. Leonard, J. W. Lewis, G. C., Jr. Limeburner, F. H. Mandell, M. S. Mitchell, J. J., III Painter, H. J. Renninger, G. H. Roche, R. P.  | 27<br>22<br>30<br>28<br>23<br>54<br>14<br>27<br>34<br>11<br>20<br>52<br>29<br>21<br>42<br>.19<br>55<br>52<br>18                                     | Berman, A. A. Gifford, P. C. Knight, C.P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F.C., Jr. Smith, C. A. WESTERLY Wills, J. B. WICKFORD Elliott, J. Y. Greene, J.W., Jr.  SOUTH CAROLINA  AIKEN Miller, D. K. Wingerd, D. H. CHARLESTON Holcombe, J. L.  | 13<br>16<br>50<br>13<br>16<br>37<br>31<br>42<br>17             | BAYTOWN Whitson, R. O. 3 BEAUMONT Hastings, A. W. 5 Morian, C. H., Jr. 5 BELLAIRE Morian, T. F. 6 BIG SPRING Lurting, F. W. 6 CORPUS CHRISTI Bowman, M. S. Eshleman, B., Jr. Tang, L. W. C. 6 DALLAS  | 339<br>21<br>38<br>41<br>40<br>43<br>49<br>49   |
| Rorer, H. C. Zerrer, E. WYNNEWOOD Betz, G. W. Bready, W.R., III Brown, H. T., Jr. Crawford, J. D. Ferguson, J. C. Forsythe, J. E. Fultz, J. M., II Gallager, H. V. Geckeler, E. O. Greene, J. H., Jr. Lane, W. S. Leonard, J. W. Lewis, G.C., Jr. Limeburner, F. H. Mandell, M. S. Mitchell, J.J., III Painter, H. J. Renninger, G. H. Roche, R. P. Rowland, P. C. Schenck, H. P.   | 27<br>22<br>30<br>28<br>23<br>54<br>14<br>27<br>34<br>11<br>20<br>52<br>29<br>21<br>42<br>.19<br>55<br>52<br>18<br>27<br>47<br>47<br>40<br>18       | Berman, A. A. Gifford, P. C. Knight, C.P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F.C., Jr. Smith, C. A. WESTERLY Wills, J. B. WICKFORD Elliott, J. Y. Greene, J.W., Jr.  SOUTH CAROLINA  AIKEN Miller, D. K. Wingerd, D. H. CHARLESTON  | 13<br>16<br>50<br>13<br>16<br>37<br>31<br>42<br>17             | BAYTOWN Whitson, R. O. 3 BEAUMONT Hastings, A. W. 2 Morian, C.H., Jr. 3 BELLAIRE Morian, T. F. 4 BIG SPRING Lurting, F. W. 4 CORPUS CHRISTI Bowman, M. S. Eshleman, B., Jr. Tang, L. W. C. 5 DALLAS Mellor, A. 5  | 339<br>221<br>338<br>441<br>440<br>43<br>449  |
| Rorer, H. C. Zerrer, E. WYNNEWOOD Betz, G. W. Bready, W.R., III Brown, H. T., Jr. Crawford, J. D. Ferguson, J. C. Forsythe, J. E. Fultz, J. M., II Gallager, H. V. Geckeler, E. O. Greene, J. H., Jr. Lane, W. S. Leonard, J. W. Lewis, G.C., Jr. Limeburner, F. H. Mandell, M. S. Mitchell, J.J., III Painter, H. J. Renninger, G. H. Roche, R. P. Rowland, P. C. Schenck, H. P. Schmidt, H. H.  | 27<br>22<br>30<br>28<br>23<br>54<br>14<br>27<br>34<br>11<br>20<br>52<br>29<br>21<br>42<br>.19<br>55<br>51<br>18<br>27<br>47<br>40<br>18<br>49       | Berman, A. A. Gifford, P. C. Knight, C.P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F.C., Jr. Smith, C. A. WESTERLY Wills, J. B. WICKFORD Elliott, J. Y. Greene, J.W., Jr.  SOUTH CAROLINA  AIKEN Miller, D. K. Wingerd, D. H. CHARLESTON Holcombe, J. L. CLEMSON Bair, G. E.                                | 13<br>16<br>50<br>13<br>16<br>37<br>31<br>42<br>17             | BAYTOWN Whitson, R. O. 3 BEAUMONT Hastings, A. W. 4 Morian, C. H., Jr. 3 BELLAIRE Morian, T. F. 4 BIG SPRING Lurting, F. W. 4 CORPUS CHRISTI Bowman, M. S. Eshleman, B., Jr. Tang, L. W. C. 4 DALLAS Mellor, A. Pittman, C.V.A. 5 Rice, G.                                      | 339<br>221<br>338<br>441<br>440<br>449<br>449<br>429<br>225<br>333                    |
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| Rorer, H. C. Zerrer, E. WYNNEWOOD Betz, G. W. Bready, W.R., III Brown, H. T., Jr. Crawford, J. D. Ferguson, J. C. Forsythe, J. E. Fultz, J. M., II Gallager, H. V. Geckeler, E. O. Greene, J. H., Jr. Lane, W. S. Leonard, J. W. Lewis, G.C., Jr. Limeburner, F. H. Mandell, M. S. Mitchell, J.J., III Painter, H. J. Renninger, G.H. Roche, R. P. Rowland, P. C. Schenck, H. P. Schmidt, H. H. Simons, L. H., Jr. Strawbridge, F. H., Jr. Sturgis, S. B. | 27<br>22<br>30<br>28<br>23<br>54<br>14<br>27<br>34<br>11<br>20<br>52<br>29<br>21<br>42<br>.19<br>55<br>52<br>18<br>27<br>47<br>40<br>18<br>49<br>39 | Berman, A. A. Gifford, P. C. Knight, C.P., Jr. Parke, R., Jr. Thomas, L. R. Buffum, F.C., Jr. Smith, C. A. WESTERLY Wills, J. B. WICKFORD Elliott, J. Y. Greene, J.W., Jr.  SOUTH CAROLINA  AIKEN Miller, D. K. Wingerd, D. H. CHARLESTON Holcombe, J. L. CLEMSON Bair, G. E. COLUMBIA Haden, J. C.          | 13<br>16<br>50<br>13<br>16<br>37<br>31<br>42<br>17<br>44<br>45 | BAYTOWN Whitson, R. O. S BEAUMONT Hastings, A. W. Morian, C. H., Jr. S BELLAIRE Morian, T. F. S BIG SPRING Lurting, F. W. C CORPUS CHRISTI Bowman, M. S. Eshleman, B., Jr. Tang, L. W. C. S DALLAS Mellor, A. Pittman, C.V.A. Rice, G. Richie, R. H. Ryrie, C. C. Stayer, G. C. | 339<br>221<br>338<br>441<br>440<br>43<br>449<br>49<br>225<br>333<br>226<br>446        |
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| MacNamee, J.E. 29<br>SHERMAN   | ALEXANDRIA<br>Borton, J. C. 23<br>Brattan,R.F.,III 37   | Wray, W. D. 32 MIDDLETOWN Sharp,J.W.,III 18  |
| MacNamee, J.E. 29<br>SHERMAN<br>Cornette, J.C., Jr * 39  | ALEXANDRIA Borton, J. C. 23 Brattan, R. F., III 37 Gross, J. A. *45   | Wray, W. D. 32 MIDDLETOWN Sharp, J.W., III 18 MISSION HOME   |
| MacNamee, J.E. 29 SHERMAN Cornette, J.C., Jr * 39 TYLER  | ALEXANDRIA Borton, J. C. 23 Brattan,R.F.,III 37 Gross, J. A. *45 Gross, S. H. 46  | Wray, W. D. 32 MIDDLETOWN Sharp,J.W.,III 18  |
| MacNamee, J.E. 29 SHERMAN Cornette, J.C., Jr.*39 TYLER Speller, F.N., Jr. 31   | ALEXANDRIA Borton, J. C. 23 Brattan,R.F.,III 37 Gross, J. A. *45 Gross, S. H. 46 Hamilton, R. T. 45   | Wray, W. D. 32 MIDDLETOWN Sharp, J.W., III 18 MISSION HOME Gulbrandsen, S.T. 33  |
| MacNamee, J.E. 29 SHERMAN Cornette, J.C., Jr*39 TYLER Speller, F.N., Jr. 31 WICHITA FALLS  | ALEXANDRIA Borton, J. C. 23 Brattan,R.F.,III 37 Gross, J. A. *45 Gross, S. H. 46  | Wray, W. D. 32  MIDDLETOWN Sharp, J.W., III 18  MISSION HOME Gulbrandsen, S.T. 33  NORFOLK   |
| MacNamee, J.E. 29 SHERMAN Cornette, J.C., Jr*39 TYLER Speller, F.N., Jr. 31 WICHITA FALLS  | ALEXANDRIA Borton, J. C. 23 Brattan, R.F., III 37 Gross, J. A. *45 Gross, S. H. 46 Hamilton, R. T. 45 Irion, H. G. 32 McCarn, D. B. 51 Mechling, J. E. 40   | Wray, W. D. 32  MIDDLETOWN Sharp, J.W., III 18  MISSION HOME Gulbrandsen, S.T. 33  NORFOLK   |
| MacNamee, J.E. 29 SHERMAN Cornette, J.C., Jr * 39 TYLER Speller, F.N., Jr. 31 WICHITA FALLS Dvorken, H. J. 49  | ALEXANDRIA Borton, J. C. 23 Brattan,R.F.,III 37 Gross, J. A. *45 Gross, S. H. 46 Hamilton, R. T. 45 Irion, H. G. 32 McCarn, D. B. 51 Mechling, J. E. 40 Nicholson, C.T. 35  | Wray, W. D. 32  MIDDLETOWN Sharp,J.W.,III 18  MISSION HOME Gulbrandsen, S.T. 33  NORFOLK Moore,H.W.,Jr. 40   |
| MacNamee, J.E. 29 SHERMAN Cornette, J.C., Jr * 39 TYLER Speller, F.N., Jr. 31 WICHITA FALLS Dvorken, H. J. 49  UTAH DUGWAY   | ALEXANDRIA Borton, J. C. 23 Brattan,R.F.,III 37 Gross, J. A. *45 Gross, S. H. 46 Hamilton, R. T. 45 Irion, H. G. 32 McCarn, D. B. 51 Mechling, J. E. 40 Nicholson, C.T. 35 Sadtler, L. R. 24  | Wray, W. D. 32  MIDDLETOWN Sharp,J.W.,III 18  MISSION HOME Gulbrandsen, S.T. 33  NORFOLK Moore,H.W.,Jr. 40 Ohl, P. W. 27   |
| MacNamee, J.E. 29 SHERMAN Cornette, J.C., Jr * 39 TYLER Speller, F.N., Jr. 31 WICHITA FALLS Dvorken, H. J. 49  UTAH  DUGWAY Foster, J. H. 50   | ALEXANDRIA Borton, J. C. 23 Brattan,R.F.,III 37 Gross, J. A. *45 Gross, S. H. 46 Hamilton, R. T. 45 Irion, H. G. 32 McCarn, D. B. 51 Mechling, J. E. 40 Nicholson, C.T. 35 Sadtler, L. R. 24 Scherer, R. C. 53  | Wray, W. D. 32  MIDDLETOWN Sharp,J.W.,III 18  MISSION HOME Gulbrandsen, S.T. 33  NORFOLK Moore,H.W.,Jr. 40 Ohl, P. W. 27  OAKTON Wood, G. 38   |
| MacNamee, J.E. 29 SHERMAN Cornette, J.C., Jr * 39 TYLER Speller, F.N., Jr. 31 WICHITA FALLS Dvorken, H. J. 49  UTAH  DUGWAY Foster, J. H. 50 Bigelow, H. C. 21   | ALEXANDRIA Borton, J. C. 23 Brattan,R.F.,III 37 Gross, J. A. *45 Gross, S. H. 46 Hamilton, R. T. 45 Irion, H. G. 32 McCarn, D. B. 51 Mechling, J. E. 40 Nicholson, C.T. 35 Sadtler, L. R. 24 Scherer, R. C. 53  | Wray, W. D. 32  MIDDLETOWN Sharp,J.W.,III 18  MISSION HOME Gulbrandsen, S.T. 33  NORFOLK Moore,H.W.,Jr. 40 Ohl, P. W. 27  OAKTON   |
| MacNamee, J.E. 29 SHERMAN Cornette, J.C., Jr*39 TYLER Speller, F.N., Jr. 31 WICHITA FALLS Dvorken, H. J. 49  UTAH  DUGWAY Foster, J. H. 50 Bigelow, H. C. 21 LOGAN   | ALEXANDRIA Borton, J. C. 23 Brattan,R.F.,III 37 Gross, J. A. *45 Gross, S. H. 46 Hamilton, R. T. 45 Irion, H. G. 32 McCarn, D. B. 51 Mechling, J. E. 40 Nicholson, C.T. 35 Sadtler, L. R. 24 Scherer, R. C. 53 Shields, C. A. 45  | Wray, W. D. 32  MIDDLETOWN Sharp,J.W.,III 18  MISSION HOME Gulbrandsen, S.T. 33  NORFOLK Moore,H.W.,Jr. 40 Ohl, P. W. 27  OAKTON Wood, G. 38  QUANTICO MacKenzie,J.R. 55   |
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| MacNamee, J.E. 29 SHERMAN Cornette, J.C., Jr*39 TYLER Speller, F.N., Jr. 31 WICHITA FALLS Dvorken, H. J. 49  UTAH  DUGWAY Foster, J. H. 50 Bigelow, H. C. 21 LOGAN Stokes, A. W. 36 OGDEN  | ALEXANDRIA Borton, J. C. 23 Brattan,R.F.,III 37 Gross, J. A. *45 Gross, S. H. 46 Hamilton, R. T. 45 Irion, H. G. 32 McCarn, D. B. 51 Mechling, J. E. 40 Nicholson, C.T. 35 Sadtler, L. R. 24 Scherer, R. C. 53 Shields, C. A. 45 Wagner, D. H. 47 Wren, J. C. 54 ARLINGTON Exton, F., Jr. 51  | Wray, W. D. 32  MIDDLETOWN Sharp,J.W.,III 18  MISSION HOME Gulbrandsen, S.T. 33  NORFOLK Moore,H.W.,Jr. 40 Ohl, P. W. 27  OAKTON Wood, G. 38  QUANTICO MacKenzie,J.R. 55  RAPHINE Moore, P. W. 14  |
| MacNamee, J.E. 29 SHERMAN Cornette, J.C., Jr*39 TYLER Speller, F.N., Jr. 31 WICHITA FALLS Dvorken, H. J. 49  UTAH  DUGWAY Foster, J. H. 50 Bigelow, H. C. 21 LOGAN Stokes, A. W. 36 OGDEN Stokes, J. W. 09   | ALEXANDRIA Borton, J. C. 23 Brattan,R.F.,III 37 Gross, J. A. *45 Gross, S. H. 46 Hamilton, R. T. 45 Irion, H. G. 32 McCarn, D. B. 51 Mechling, J. E. 40 Nicholson, C.T. 35 Sadtler, L. R. 24 Scherer, R. C. 53 Shields, C. A. 45 Wagner, D. H. 47 Wren, J. C. 54  ARLINGTON Exton, F., Jr. 51 Faltermayer, E.K.49   | Wray, W. D. 32  MIDDLETOWN Sharp,J.W.,III 18  MISSION HOME Gulbrandsen, S.T. 33  NORFOLK Moore,H.W.,Jr. 40 Ohl, P. W. 27  OAKTON Wood, G. 38  QUANTICO MacKenzie,J.R. 55  RAPHINE Moore, P. W. 14  RICHMOND  |
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| MacNamee, J.E. 29 SHERMAN Cornette, J.C., Jr*39 TYLER Speller, F.N., Jr. 31 WICHITA FALLS Dvorken, H. J. 49  UTAH  DUGWAY Foster, J. H. 50 Bigelow, H. C. 21 LOGAN Stokes, A. W. 36 OGDEN Stokes, J. W. 09 SALT LAKE CITY Rambo, O. N. 39  VERMONT  BONDVILLE Scudder, W.M., Jr. 32  | ALEXANDRIA Borton, J. C. 23 Brattan,R.F.,III 37 Gross, J. A. *45 Gross, S. H. 46 Hamilton, R. T. 45 Irion, H. G. 32 McCarn, D. B. 51 Mechling, J. E. 40 Nicholson, C.T. 35 Sadtler, L. R. 24 Scherer, R. C. 53 Shields, C. A. 45 Wagner, D. H. 47 Wren, J. C. 54  ARLINGTON Exton, F., Jr. 51 Faltermayer, E.K49 Hawley, J. C. 41 Hetzel, F. V. 52 McGann,M.H.,Jr. 42 Miller, W. K. 51 Thornton, T. P. 50 Wertime, T. A. 39 Wickham, R. S. 50   | Wray, W. D. 32  MIDDLETOWN Sharp,J.W.,III 18  MISSION HOME Gulbrandsen, S.T. 33  NORFOLK Moore,H.W.,Jr. 40 Ohl, P. W. 27  OAKTON Wood, G. 38  QUANTICO MacKenzie,J.R. 55  RAPHINE Moore, P. W. 14  RICHMOND Gager,F.L.,Jr. 45 Gilmour, N., Jr. 46 Olton, R. M. 30 Ricks, R.A., Jr. 07  ROANOKE Sykes, J. M. 39   |
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|                    |     | Feroe, R. A.      | 50  |                       |  |
| Hamill, J.         | 43  | Glatzer, R. A.    | 54  | Nichols, B.T. *45     |  |
| Harris, W. M.      | 43  | Gilmour, A.       | 26  | Perry, C. 36          |  |
| Hartman, J. G.     | 29  | Hagedorn, J. J.   | 30  | Pixton, L.P. *45      |  |
| Hazelwood, R. N.   | 49  | Helweg, J.E., Jr. | 53  | Potts, T.I. 32        |  |
| Herr, R.           | 39  | Isay, M. H.       | 53  | Ratcliffe, J.N. 42    |  |
| Holmes, R. W.      | 49  | Lambert, R. M.    | 49  | Reynolds, E.A. 49     |  |
| Hutchinson, R.M.   | 36  |                   | 12  | Rhind, J. B. 43       |  |
| Ives, R. T.        | 52  | Lowry, H. M.      |     |                       |  |
| Kato, W. Y.        | 46  | Lycett, I.C., Jr. | 49  | Richardson,           |  |
|                    |     | Mitchell, J. E.   | 28  | C.B.,Mrs. *45         |  |
| Kelly, P. S.       | 49  | Moos, E. A.       | 33  | Richie, D.S. 30       |  |
| Kriebel, H. B.     | 43  | Muller, F. F.     | 25  | Russell, H.G. 34      |  |
| Lamperti, J. W.    | 53  | Neuhaus, R. C.    | 49  | Sanders, E.A. *39     |  |
| Larson, J. W.      | 48  | Pelouze,          |     | Schoeller, C. *54     |  |
| Lewis, D.C., Jr.   | 26  | H. P., Jr.        | 33  | Shanks, M. *54        |  |
| Longley, J. B.     | 41  |                   |     | Siceloff, C. 51       |  |
| Longnecker, H.C.   |     | Sanders, J. M.    | 25  |                       |  |
| McCulloch, W.S.    | 21  | Shihadeh,         |     |                       |  |
|                    | 49  | T. D., Jr.        | 39  |                       |  |
| Miller, W. H.      |     | Shihadeh, W.      | 43  | Taylor, P. *52        |  |
| Moore, P. W.       | 14  | Sondheim, W., Jr. | 29  | Taylor, R.K. 54       |  |
| Pettibone, W.      | *40 | Stern, H.         | 50  | Thiermann, S.H. 39    |  |
| Prindle, W.E., Jr. | 38  | Willis, J. M.     | 41  | Torrance, K. 38       |  |
| Ranck, C. E.       | 38  |                   |     | Vail, P.C. 51         |  |
| Redfield, A. C.    | 13  | Wriggins, T., Jr. | 30  | Weissman, R.S. *54    |  |
| Ridgeway, S. L.    | 43  |                   |     | Whitson, W.W. 08      |  |
| Smith, F. W.       | 28  | COCIATO           |     | Willis, D. P. 52      |  |
| Solem, G. A.       | 52  | SOCIAL &          |     |                       |  |
|                    |     | HUMANITARIA       | Ŋ   | Wilmore, J. E. *51    |  |
| Stettenheim, P.    | 50  |                   |     | Sta, J. W. *54        |  |
| Sutton, D. C.      | 55  | D 0 D             | 0.0 |                       |  |
| Swift, C. J.       | 40  | Bacon, G. R.      | 32  |                       |  |
| Tice, G.           | 53  | Bakke, N.         | *54 | TRANSPORTATION        |  |
| Underhill, R.L.M.  | 09  | Boissevain, J.F.  | 52  |                       |  |
| Wagner, D. H.      | 47  | Brown, J., IV     | 30  | Air                   |  |
| Wendell, D.C., Jr. | 44  | Brown, J.         | *52 | Dothond W.I. In 22    |  |
| Wheeler, E. S.     | 48  | Cary, S. G.       | 37  | Dothard, W.I., Jr. 32 |  |
| White, R. M.       | 39  | Cooper, W.A.      | *48 | Egger, A.J. Jr. 44    |  |
| Whitman, P. M.     | 37  |                   | *52 | Grout, A.L., Jr. 51   |  |
|                    |     | Corsi, M.         |     | Jones, C. 44          |  |
| Williams, A.C., Jr |     | deBroz, C.M.      | *53 | Leary, W.M. 26        |  |
| Williams, C. R.    | 14  | Drinker, J.B.     | 03  | Masland, W.M. 30      |  |
| Wixom, W. D.       | 51  | Elliott, J. Y.    | 42  | Morse, G.F. 43        |  |
| Woll, J. W., Jr.   | 52  | Ericson, J.W.     | 53  | Rodenbaugh, T.T. 29   |  |
| Wolman, M. G.      | 46  | Falconer, D.      | 12  |                       |  |
| Wood, G. C.        | 38  | Fansler, T.       | 21  | Ruth, T. N. 52        |  |
| Wood, P. H.        | 53  | Fraser, G. C.     | 36  | Selinger,             |  |
| Woodward, W. H.    | 43  |                   | *45 | M. A., Jr. 48         |  |
| Wright, F. H.      | 34  | Freeman, C.M.     |     | Simpson, J. C. 40     |  |
| Wright, K. A.      | 41  | Freeman, R.W.     | 51  | Stuart, H. H. 41      |  |
| 9                  | 32  | Frey, B.H.        | 45  | Walker, I. G. 50      |  |
| Zapp, J.A., Jr.    | 34  | Gardner, P.C.     | 54  |                       |  |
|                    |     | Gildemeister,     |     |                       |  |
|                    |     | M.L.              | *45 | Rail                  |  |
| RESTAURANT         |     | Goerke, E., Jr.   | 44  |                       |  |
|                    |     | Goodman, S.       | *54 | Bevan, D. C. 29       |  |
| Clement, C.A.      | 27  | Gunnison, F., Jr. | 48  | Gifford, T. 49        |  |
| Himes, R. S.       | 23  | Hilsenrad, M.     | *55 | Green, K. S. 94       |  |
|                    |     | TITOOTT du, III.  | 30  | 34                    |  |

| Hamilton, F. C.<br>Lane, R.T., Jr.   | 09<br>53                                     | UTILITIES   |  | WHOLESALING   |  |
|--|--|---|--|---|--|
| Leonard, J.W. MacGowan, H.T. Morgan, V.P. Parry, E. O. Ryan, T. A. Sangree, C.M. Weigand, W.F. Wolfinger, C.H. | 21<br>26<br>35<br>36<br>09<br>49<br>21<br>40 | Brownlee, J.E. Frazier, C.H. Garrigues, A.G. Hannum, W.T. Hastings, A.W. Jaquette, J.J. Jebb, W.T. Leeds, J.B. Martin, L. | 49<br>24<br>16<br>16<br>21<br>39<br>21<br>34<br>31 | Albert, W. H. Allinson, E.P. Burge, J.H., Jr. Crozer, G.K. III Evans, J. T. Goodhue, F. III Hartman, D. F. Hartman, L. E. Hill, H. W. | 27<br>41<br>53<br>32<br>28<br>19<br>26<br>18<br>17 |
| Water  Driscoll, R. Edwards, T.E. Jamison, E.M., Jr. Kennedy, F.L. Williams, R.T.                              | 45<br>?<br>50<br>34<br>?                     | Totten, W. B.<br>Van Hollen, D.B.   | 27<br>15   | Hoffman, J. T. Hoopes, J. R. Partington, J. Jr. Shoemaker, J. H., III Tatnall, A. G, Taylor, R. C. Widney, C.E. Jr.                   | 40<br>48<br>30<br>51<br>00<br>49<br>43             |

#### RECIPIENTS OF HONORARY DEGREES

1858

Vail, Hugh D., A.M.

1859

Aldrich, Joseph W., 1843, A.M.

1860

Whittier, John Greenleaf, A.M.

1864

Cope, Edward Drinker, A.M.

1867

Moore, Joseph, A.M.

872

Jacobs, William, A.M.

1875

Alsop, Samuel, Jr., A.M.

1876

Chase, Pliny Earle, LL.D. Pancoast, William Henry, 1853, A.M.

....

Thomas, John J., A.M.

1879

Jones, Richard Mott, 1867, A.M. Yarnall, Ellis, A.M.

1880

Chase, Thomas, Litt.D. Hughes, Thomas, LL.D.

1882

Coates, Henry Troth, 1862, A.M.

1883

Cock, Thomas Ferris, 1836, LL.D. Wood, James, 1858, A.M. Hoxie, Henry Newell, A.M.

1884

Parrish, Joseph, 1863, A.M. Cook, Elijah, A.M.

1885

Tomlinson, Julius Lines, 1873, A.M. Chase, Robert Howland, 1867, A.M.

1886

Magill, Edward Hicks, LL.D.

1887

Kimber, Thomas, 1842, Litt.D.

1888

Smith, Clement Lawrence, 1860, LL.D.

1890

Mills, Joseph John, LL.D.

1891

Jones, Richard Mott, 1867, LL.D.

1895

Trimble, Henry, A.M.

1900

Harris, J. Rendel, LL.D.

1908

Tyson, James, 1860, LL.D. Starr, Louis, 1868, LL.D. Elliott, Aaron Marshall, 1866, LL.D.

1908

Gummere, Francis Barton, 1872, LL.D. Hobbs, Lewis Lyndon, 1876, LL.D. Richards, Theodore William, 1885, LL.D.

1914

Barton, George Aaron, 1882, LL.D. Bispham, David Scull, 1876, LL.D. Parrish, Frederick Maxfield, 1892, LL.D. Brinton, Christian, 1892, Litt.D.

1922

Jones, Rufus Matthew, 1885, LL.D.

1924

Penney, Norman, LL.D.

1925

Logan, James A., Jr., 1900, LL.D. Newton, A. Edward, Litt.D. Schelling, Dr. Felix, LL D.

1928

Taylor, Henry Longstreet, 1878, LL.D.

1931

Murray, Augustus T., 1885, LL.D. Gates, Thomas S., 1893, LL.D. Lowell, A. Lawrence, LL.D. Hart, Walter Morris, 1892, LL.D. Allinson, Francis G., 1876, LL.D. in absentia Padin, Jose, 1907, LL.D. Moore, Jesse H., 1881, LL.D.

1932

Nitobe, Inazo, LL.D. Wilson, Louis R., 1899, LL.D. Goddard, Henry H., 1887, LL.D.

1933

Cadbury, Henry J., 1903, Litt.D. Drinker, Cecil K., 1908, D.Sc. Morley, Christopher, 1910, Litt.D.

1936

Cadbury, William W., 1898, D.Sc. Ly, J. Usang, 1917, LL.D.

1938

Bowles, Gilbert, LL.D.
Jenkins, Charles Francis, LL.D.
Lewis, William Draper, 1888, LL.D.

1939

Fite, Warner, 1889, Litt.D.

1940

Comfort, W. W., 1894, LL.D.

1941

Hoover, Herbert C., LL.D.

1942

Gummere, Henry V., 1888, Sc.D. Strode, George K., 1908, Sc.D.

1943

Chamberlin, William H., 1917, Litt.D.

1945

Conard, Henry S., 1894, D.Sc.

1946

Leeds, Morris E., 1888, LL.D. Vail, James G., Sc.D.

1947

Pickett, Clarence E., LL.D. Yarnall, D. Robert, D.Sc.

1949

Ball, Eric Glendinning, 1925, D.Sc. Drinker, Henry Sandwith, 1900, Litt.D.

1950

Brinton, Howard Haines, 1904, Litt.D. Scattergood, J. Henry, 1896, LL.D.

1951

Hill, Leslie Pinckney, LL.D. Russell, Elbert, Litt.D.

1952

Gummere, Richard M., 1902, L.H.D. Lunt, William E., L.H.D. Stokes, Joseph, Jr., 1916, D.Sc.

1954

Harnwell, Gaylord P., 1924, D.Sc.

1955

Rhoads, Charles J., 1893, D.Sc. Wilson, Albert H., L.H.D. Brown, Carroll T., 1908, A.M. Mohr, Walter H., A.M. Reagan, Chester L., A.M. Thomas, L. Ralston, 1913, A.M.

#### GRADUATE STUDENTS

This listing records, in alphabetical order, the names of alumni who were enrolled as graduate students but who did not attend Haverford as undergraduates. Haverford degrees are indicated in parentheses.

Adams. Mrs. R. (M.A.46) Frey, Barbara H. (M.A.45) Keller, R.S. (M.A.53)

| . tuttiis. mi s. m. | (37 4 47) |                    | (3.7.1.1.7.) | IT III TO            | (34 1 05) |
|---------------------|-----------|--------------------|--------------|----------------------|-----------|
| Agnew, R. L.        | (M.A.47)  | Friedrich, G.      | (M.A.47)     | Kemble, I.O.         | (M.A.95)  |
| Ala'ilima, Mrs. Fa  |           | Garrison, Mrs. E.  |              | Kenoyer, J.C.        | (M.A.37)  |
|                     | (M.A.45)  |                    | (M.A.45)     | Kirk, M. L.          | (M.A.51)  |
| Andersen, G. L.     | (M.A.54)  | Gibb, T.C.         | (M.A.42)     | Kohler, P.W.         | (M.A.38)  |
| Andersen, Joan M.   | (M.A.54)  | Gilstrap, Marie E. | (M.A.53)     | Kolb, H. J.          | (M.S.41)  |
| Arthur, R. S.       | (M.A.51)  | Goldthwaite, Prisc | illa K.      | Kolostanyi, W.       | (52)      |
| Atalla, Mary        | (M.A.52)  |                    | (M.A.45)     | Kron, S. D.          | (M.S. 40) |
| Atkinson, Anna M.   |           | Good, Mrs. R.      | (M.A.45)     | Kulberg, R.          | (52)      |
| Atteberry, R. W.    | (M.S. 41) | Goodman, S.        | (M.A.54)     | Laughlin, J.S.       | (M.S. 42) |
| Atwood, K.          | (M.A.37)  | Goodner, D.        | (M.A.35)     | Laughlin, W.S.       | (M.A.42)  |
| Auld, L. W.         | (M.A.29)  | Graham, Carolyn    |              | Lawson, Eloise G.    | (45)      |
| Bailey, A. H.       | (M.A.31)  | Grant, Barbara S.  | ,            | Levitt, L.S.         | (M.S. 48) |
| Bailey, J. R.       | (M.A.37)  | Gross, Jean A.     | (M.A.45)     | Livezey, W. E.       | (M.A.28)  |
| Bakke, Nancy        | (M.A.54)  | Gummere, R., Jr.   | (M.A.51)     | Lucas, S.            |           |
|                     |           |                    |              |                      | (M.A.52)  |
| Bean, M. D.         | (M.A.54)  | Gunther, M.        | (M.A.55)     | Lusky, Ruth A.       | (M.A.45)  |
| Bennett, W.         | (M.A.32)  | Guthrie, S. T.     | (M.A.37)     | Macon, H. L.         | (M.A.25)  |
| Berman, A. A.       | (M.A.50)  | Hagner, G. W., Jr. |              | Marble, Rebecca V    | V. (45)   |
| Blair, Mrs. D.K.    |           | Hakanson, T.       | (M.A.55)     |                      |           |
| Bottjer, J. H.      | (M.A.49)  | Hale, W. Q.        | (M.A.43)     | Marcus, Mrs. C.      | (M. 1.46) |
| Bricker, C. E.      | (M.S.40)  | Halter, R. E.      | (M.S.43)     | Marshall, R. K.      | (M.A.26)  |
| Bronner, E.B.       | (M.A.47)  | Haralu, N. N.      | (M.A.53)     | McDonald, F. H.      | (M.A.48)  |
| Broomell, J.P., Jr. | (M.A.39)  | Harley, R. B.      | (M.A.41)     | McDonald, G.D.       | (M.A.28)  |
| Brown, Julia        | (M.A.52)  | Harper, R.         | (M.A.52)     | Mgbako, F.           | (M.A.53)  |
| Brown, Mrs. R.      | (M.A.45)  | Hastings, W.W.     | (M.A.94)     | Michener, D. W.      | (M.A.23)  |
| Bunting, Dorelen F  | . (45)    |                    | Ph.D.96      | Milhous, I.C.        | (M.A.31)  |
| Burbanck, W. D.     | (M.A.36)  | Hay, A. H.         | (M.A.38)     |                      |           |
| Clarkson, G. E.     | (M.A.40)  | Hayakawa, I.       | (M.A.55)     | Mills, T. M.         | (M.A.42)  |
| Coleman, W.         | (M.A.29)  | Henley, F. M.      | (M.A.16)     | Milner, C.A.         | (M.A.22)  |
| Collett, W. T.      | (M.A.37)  | Hiatt, R. M.       | (M.A.37)     | Morrison, Esther     | (45)      |
| Comfort, F.D.       | (M.A.26)  | Hill, Myron F.     | (M.A.91)     | Mullen, W. E.        | (M.A.54)  |
| Conlon, W. L.       | (M.A.54)  | Hilsenrad, Margit  |              | Myers, W.            | (M.A.32)  |
| Cooper, W. A.       | (M.A.48)  | Hobbs, G. T.       | (M.A.48)     | Nanninga, T. R.      | (M.A.37)  |
| Cornette, J.C., Jr. |           | Hobbs, L. L.       | (M.A.11)     | Nelson, F.G.         | (M.A.31)  |
| Corsi, Mary L.      | (M.A.52)  | Hole, A. D., Jr.   | (M.A.30)     | Newlin, I. G.        | (M.A.29)  |
| Cox, Florence T.    | (M.A.23)  | Hole, F. D.        | (M.A.34)     | Newlin, J. C.        | (M.A.23)  |
| Crosby, K. W.       | (M.A.40)  |                    |              | Nichols, Barbara     |           |
| Dann, R. H.         |           | Holmes, C. W.      | (M.A.33)     | Michors, Dar bar a   | (M.A.44)  |
|                     | (M.A.18)  | Holmes, J. S.      | (M.A.48)     |                      | (141)     |
| Dasenbrock, Mrs.    |           | Holmes, W. H.      | (M.A.42)     | O'Brien, Ann H.      | (55)      |
| Davis C E           | (M.A.45)  | Holstrom, C.B.     | (M.A.40)     | O'Brien, R. R.       | (M.A.55)  |
| Davis, G. E.        | (20)      | Hood, A. C.        | (M.S.53)     | Olin, Anja           | (M.A.53)  |
| Davis, Hester A.    | (M.A.55)  | Hoskins, L. M.     | (M.A.39)     | Parsons, D.H., Jr.   |           |
| DeBroz, C. M.       | (M.A.53)  | Howarth, Mary B.   | ,            |                      |           |
| DiGiacomo, Marie    |           | Hunt, L. M.        | (M.A.96)     | Pepper, Mrs. W.,J    |           |
|                     | (M.A.53)  | Innes, A. I.       | (M.A.27)     |                      | (M.A.55)  |
| Dixon, J. S.        | (M.A.43)  | Isgrig, A.         | (M.A.45)     | Perisho, C.R.        | (M.A.39)  |
| Edgerton, W. B.     | (M.A.35)  | Jaenicke, J. C. J. | (M.A.40)     | Pettibone, W.        | (M.4.40)  |
| Elliott, Rosalie    |           | Jaggard, C. H.     | (M.A.38)     | Pixton, Laurama I    | · .       |
| Fezer, K. D.        | (M.A.53)  | Janney, J. E.      | (M.A.26)     |                      | (M.A.45)  |
| Fowle, Helen J.     | (M.A.45)  | Johnson, Mrs. M.   |              | Plank, J. N.         | (M.A.53)  |
| Frantz, C.          | (M.A.51)  | Johnston, L.       | (M.A.41)     | Poush, R. R.         | (M.A.41)  |
| Freeman, C. M.      | (45)      | Jones, T. M.       | (M.A.39)     | Read, Charlotte B    |           |
|                     |           |                    |              | Troud, Oliai Totto D | (-1)      |
|                     |           |                    |              |                      |           |

| Rendall, Constance W. |          | Singleton, J. C.   | (M.A.53)  | Van Der Voort, R.  | (M.A.30) |
|-----------------------|----------|--------------------|-----------|--------------------|----------|
|                       | (45)     | Slavin, Frances    | (M.A.55)  | Venet, S. N.       | (M.A.54) |
| Renn, F. A.           | (M.A.50) | Sloat, C. A.       | (M.A.24)  |                    |          |
| Reynolds, Annette     | J.       | Smith, S.          | (M.A.35)  |                    |          |
|                       | (M.A.45) | Snipes, B.         | (M.A.49)  | Wallace, J. M.     | (M.A.52) |
| Richardson, Mrs.      | С.В.     | Solt, G. W.        | (M.A.27)  | Warren, L. E.      | (M.A.21) |
|                       | (M.A.45) | Speers, Ellen C.   | (M.A.52)  | Watson, C.B.       | (M.A.40) |
| Ricks, J. H., Jr.     | (M.A.39) | Stafford, D. B.    | (M.A.39)  | Weiser, P.W.       | (M.A.53) |
| Rodriguez, Ruth T.    | (M.A.53) | Standing, H.       | (M.A.51)  | Weiskel, F. M.     | (M.A.42) |
| Rusby, P.             | (M.A.52) | Stanton, Mrs.L.V.  | (M.A.45)  | Weissman, R.S.     | (M.A.54) |
| Russell, Florence     | (45)     | Start, L. J.       | (M.A.42)  | West, Betty B.     | (M.A.45) |
| Ruth, Barbara B.      | (M.A.52) | Steinberg, Lucille | K.        | Whitall, Jean      | (M.A.52) |
| Salyer, W. C.         | (M.A.35) |                    | (M.A.52)  | Whittum, Marilyn   | E.       |
| Sanders, E.A.         | (M.A.39) | Stenhouse, R.      | (M.A.50)  |                    | (M.A.52) |
| Schiller, Jane B.     | (52)     | Stratton, S.S.     | (M.A.38)  | Wilhelm, F.O.      | (M.A.46) |
| Schoeller, Christi    | na       | Street, J. L.      | (M.S. 44) | Williams, W.       | (M.A.45) |
|                       | (54)     | Styche, L.         | (M.A.54)  | Wilmore, J. E.     | (M.A.51) |
| Schuckman, S. R.      | (M.A.53) | Swartzbeck, W.     | (M.A.53)  | Wilson, E. W.      | (M.A.94) |
| Seki, Y.              | (M.A.53) | Sykes, Jean L.     | (45)      | Wohlgemuth, Patr   | icia     |
| Shanks, Margaret      | (M.A.54) | Taft, Rebekah      | (45)      | _                  | (52)     |
| Shien, G-M            | (M,A,48) | Taylor, Polly      | (M.A.52)  | Wolff, W. A.       | (M.A.24) |
| Shito, R.             | (M.A.54) | Taylor, J. S.      | (M.A.24)  | Wood, F. H.        | (M.A.53) |
| Shorter, Bernice      | (M.A.47) | Tebbetts, J. W.    | (M.A.11)  | Wriggins, Sarah E. | (M.A.46) |
| Shorter, F. C.        | (M.A.47) | Telfair, D.        | (M.A.37)  | Wuesthoff, Joyce   | (M.A.54) |
| Siceloff, C.          | (M.A.51) | Terrell, A. M.     | (M.A.32)  | Wylie, Anne S.     | (M.A.44) |
| Sieloff, R. V.        | (M.A.41) | Tew, P.D.          | (M.A.32)  | Zakoji, H.         | (M.A.53) |
| Singleton, Anna H.    | (M.A.53) | Tobias, C. E., Jr. | (M.A.30)  | Zisk, Betty A. H.  | (M.A.52) |

#### THE GRADUATING CLASS OF 1956

ANDERSON, George M.

(r) 39 W. Montgomery Ave., Rockville, Md.

ARMSTRONG, John K.

(r) 8117 Park Crest Dr., Silver Spring, Md.

AVERNA, Vincent S.

(r) 505 Holly Rd., Yeadon, Pa.

BAKER, James E.

(r) 5919 Locust St., Philadelphia, Pa.

BAKER, J. Winsor, Jr.

(r) Colonial Farms, Avondale, Pa.

BARLOW, A. Ralph

(r) 1515 Manor Ave., McKeesport, Pa.

BARRETT, John S.

(r) 510 Jefferson St., Pottsville, Pa.

BISHOP, Samuel A. McK.

(r) 935 Maltby Rd., Orlando, Fla.

BROEKMAN, Han Van Mourik

(r) Windmolenweg 20, Boekelo (Or.) Netherlands

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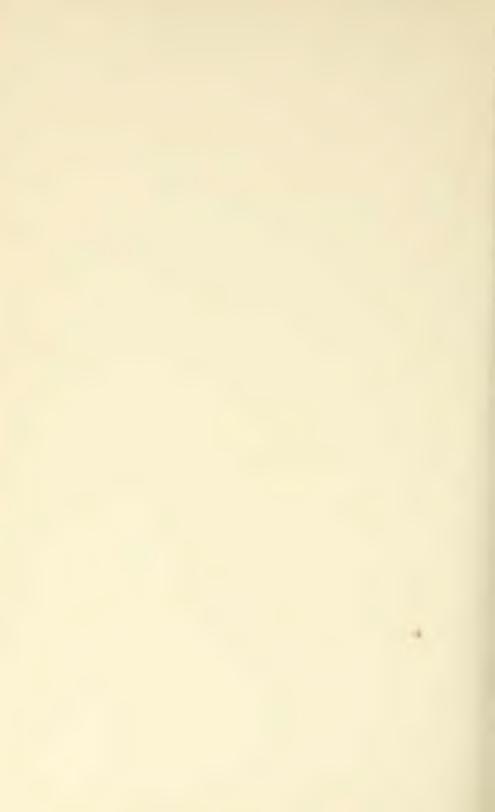
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# HAVERFORD COLLEGE BULLETIN



Catalog, 1956-57

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## Haverford College Bulletin



1956-1957

HAVERFORD, PENNSYLVANIA

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| Sept.   S M T W T F S  |       |    |     |    |    |    |    | 1.0 | <i>= (</i> |    |    |    |    |    |    |     |
|--|-------|----|-----|----|----|----|----|-----|------------|----|----|----|----|----|----|-----|
| Sept.  |       |    |     |    |    |    |    | 19  | 56         |    |    |    |    |    |    |     |
| Cot.   |       | S  | M   | T  | W  | T  | F  | S   |            | S  | M  | T  | W  | T  | F  | S   |
| Part   | Sept. |    |     |    |    |    |    | 1   | Nov.       |    |    |    |    | 1  | 2  | 3   |
| 16   |       |    |     |    |    | _  |    |     |            | 4  | 5  | 6  | 7  | 8  | 9  | 10  |
| Cot.   |       | _  |     |    |    |    |    |     |            | 11 | 12 | 13 | 14 | 15 | 16 | 17  |
| Oct.    1  |       |    |     |    |    |    |    |     |            | 18 | 19 | 20 | 21 | 22 | 23 | 24  |
| Oct.     1   |       |    | 24  | 25 | 26 | 27 | 28 | 29  |            | 25 | 26 | 27 | 28 | 29 | 30 |     |
| Oct.   |       | 30 |     |    |    |    |    |     |            |    |    |    |    |    |    |     |
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| The state of the s |       |    |     |    |    |    |    |     |            | 16 | 17 | 18 | 19 | 20 | 21 |     |
| The state of the s |       |    |     |    |    | 25 | 26 | 27  |            | 23 | 24 | 25 | 26 | 27 | 28 | 29  |
| S M T W T F S         Jan.       S M T W T F S       Apr.       S M T W T F S         1 2 3 4 5 6       Apr.       1 2 3 4 5 6 7 18 19 20       Apr.       1 2 3 4 5 6 7 18 19 20       Apr.       1 2 3 4 5 6 7 8 9 10 11 12 13       Apr.       1 2 3 4 5 6 7 8 9 10 11 12 13       Apr.       1 2 3 4 5 6 7 8 9 10 11 12 13       Apr.       1 2 3 4 25 26 27 28       Apr.       1 2 3 4 25 26 27 28       Apr.       1 2 3 4 5 6 7 8 9 10 11 12 13       Apr.       1 2 3 4 5 6 7 8 9 10 11 12 13       Apr.       1 2 3 4 5 6 7 8 9 10 11 12 13       Apr.       Apr.       1 2 3 4 5 6 7 8 9 10 11 12 13       Apr.       Apr. <th></th> <th>28</th> <th>29</th> <th>30</th> <th>31</th> <th></th> <th></th> <th></th> <th></th> <th>30</th> <th>31</th> <th></th> <th></th> <th></th> <th></th> <th></th>  |       | 28 | 29  | 30 | 31 |    |    |     |            | 30 | 31 |    |    |    |    |     |
| S M T W T F S         Jan.       S M T W T F S       Apr.       S M T W T F S         1 2 3 4 5 6       Apr.       1 2 3 4 5 6 7 18 19 20       Apr.       1 2 3 4 5 6 7 18 19 20       Apr.       1 2 3 4 5 6 7 8 9 10 11 12 13       Apr.       1 2 3 4 5 6 7 8 9 10 11 12 13       Apr.       1 2 3 4 5 6 7 8 9 10 11 12 13       Apr.       1 2 3 4 25 26 27 28       Apr.       1 2 3 4 25 26 27 28       Apr.       1 2 3 4 5 6 7 8 9 10 11 12 13       Apr.       1 2 3 4 5 6 7 8 9 10 11 12 13       Apr.       1 2 3 4 5 6 7 8 9 10 11 12 13       Apr.       Apr.       1 2 3 4 5 6 7 8 9 10 11 12 13       Apr.       Apr. <th></th>  |       |    |     |    |    |    |    |     |            |    |    |    |    |    |    |     |
| Jan.       1 2 3 4 5 6         6 7 8 9 10 11 12       12 13 14 15 16 17 18 19         13 14 15 16 17 18 19       20 21 22 23 24 25 26       27 28 29 30 31         Feb.       May       I 2 3 4 25 26 27 28 29 30         Feb.       I 2 3 4         I 2 3 4 5 6 7 8 9         10 11 12 13 14 15 16       17 18 19 20 21 22 23         24 25 26 27 28       23 4 5 6 7 8 9         10 11 12 13 14 15 16       17 18 19 20 21 22 23         10 11 12 13 14 15 16       17 18 19 20 21 22 23         10 11 12 13 14 15 16       17 18 19 20 21 22 23         10 11 12 13 14 15 16       17 18 19 20 21 22 23         2 3 4 5 6 7 8 9         10 11 12 13 14 15 16         17 18 19 20 21 22 23         2 3 4 5 6 7 8         9 10 11 12 13 14 15         16 17 18 19 20 21 22 23         2 3 4 5 6 7 8         9 10 11 12 13 14 15   |       |    |     |    |    |    |    | 19  | 57         |    |    |    |    |    |    |     |
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| Feb.    6   7   8   9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24   25   26   27   28   29   30   31     Feb.   |       |    | 141 |    |    |    |    |     | A          |    |    |    |    |    |    |     |
| Feb.    13   | Jan.  | _  | ~   |    |    |    |    |     | Apr.       | 7  |    |    |    |    |    | _   |
| Feb.    20   21   22   23   24   25   26   |       |    |     | -  | _  |    |    |     |            |    |    | _  |    |    |    |     |
| Feb.    27   28   29   30   31   |       |    |     |    |    |    |    |     |            |    |    |    |    |    |    |     |
| Feb.    1   2   May  |       |    |     |    |    |    | 23 | 20  |            |    |    |    | 47 | 20 | 20 | 201 |
| March    3   4   5   6   7   8   9   |       | 21 | 40  | 49 | 50 | 31 |    |     |            | 20 | -  | 50 |    |    |    |     |
| March    3   4   5   6   7   8   9   | Feb.  |    |     |    |    |    | 1  | 2   | May        |    |    |    | 1  | 2  | 3  | 4   |
| March    10  | 1.00. | 3  | 4   | 5  | 6  | 7  |    |     | 21243      | 5  | 6  | 7  |    |    |    | -   |
| March    17   18   19   20   21   22   23  |       |    |     |    |    |    |    |     |            |    |    | 14 | 15 | 16 |    | 18  |
| March  March  1 2 28 29 30 31  June  26 27 28 29 30 31  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30  26 27 28 29 30 31  |       |    |     |    |    |    |    |     |            |    |    |    | 22 | 23 | 24 | 25  |
| 3       4       5       6       7       8       9         10       11       12       13       14       15       16         17       18       19       20       21       22       23         2       3       4       5       6       7       8         9       10       11       12       13       14       15         16       17       18       19       20       21       22         24       25       26       27       28       29   |       |    | 25  | 26 | 27 | 28 |    |     |            | 26 | 27 | 28 | 29 | 30 | 31 |     |
| 3     4     5     6     7     8     9       10     11     12     13     14     15     16       17     18     19     20     21     22     23       2     3     4     5     6     7     8       9     10     11     12     13     14     15       16     17     18     19     20     21     22       23     24     25     26     27     28     29  |       |    |     |    |    |    |    |     |            |    |    |    |    |    |    |     |
| 3     4     5     6     7     8     9       10     11     12     13     14     15     16       17     18     19     20     21     22     23       2     3     4     5     6     7     8       9     10     11     12     13     14     15       16     17     18     19     20     21     22       23     24     25     26     27     28     29  | March |    |     |    |    |    | 1  | 2   | June       |    |    |    |    |    |    | 1   |
| 17     18     19     20     21     22     23       24     25     26     27     28     29     30         16     17     18     19     20     21     22       23     24     25     26     27     28     29  |       | 3  | 4   | 5  | 6  | 7  | 8  | 9   |            | 2  | 3  | 4  | 5  | 6  | 7  | 8   |
| 24 25 26 27 28 29 30 23 24 25 26 27 28 29  |       | 10 | 11  | 12 | 13 | 14 | 15 | 16  |            | 9  | 10 | 11 | 12 | 13 | 14 | 15  |
|  |       | 17 | 18  | 19 | 20 | 21 | 22 | 23  |            | 16 | 17 | 18 | 19 | 20 | 21 | 22  |
| 31 30  |       | 24 | 25  | 26 | 27 | 28 | 29 | 30  |            | 23 | 24 | 25 | 26 | 27 | 28 | 29  |
|  |       | 31 |     |    |    |    |    |     |            | 30 |    |    |    |    |    |     |

#### Calendar

#### 1956-1957

| New students arrive   | Sept. 20        |
|---|-----------------|
| Registration of all new students  | Sept. 24-25     |
| Returning students arrive   | Sept. 24        |
| Beginning of College year with Collection, 9 A.M.                                       | Sept. 26        |
| Registration of returning students to be filed by 4 P.M.                                | Sept. 26        |
| First semester classes begin 8 A.M.   | Sept. 27        |
| Thanksgiving vacation begins 1 P.M. ends 8 A.M.   |                 |
| Registration (Spring Term)  | Dec. 11, 12, 13 |
| Christmas vacation begins noon  |                 |
| First semester classes end, 4 P.M   | Jan. 17         |
| Mid-year examinations (dates inclusive) **  | Jan. 21-Feb. 2  |
| Second semester classes begin 8 A.M.  | Feb. 4          |
| Applications for Fellowships for 1957-58 must be filed by                               | Mar. 1          |
| Spring vacation begins noon   |                 |
| Major registration cards for men in the fourth term must be filed by 4                  | P.M Apr. 10     |
| Applications for Scholarships for 1957-58 must be filed by                              |                 |
| Manuscripts in competition for prizes must be filed in the Registrar's Office by 4 P.M. | May 1           |
| Registration (Fall Term)  | May 1, 2, 3     |
| Second semester classes end 12 noon   | May 18          |
| Senior Comprehensive Examinations (dates inclusive)                                     | May 20-23       |
| Final examinations (dates inclusive) **   | May 23-June 5   |
| Commencement  | June 7          |

<sup>\*</sup>If a paper is assigned in place of the final examination in a course the date by which it is due may be set by the instructor not later than 4 P.M. on Tuesday of the final week of the examination period. Late papers will receive no credit unless arrangements have been made *in advance* with the instructor in the course and the Dean.

<sup>\*\*</sup>Laboratory notebooks must be turned in not later than the scheduled time of the examination in the course. Late notebooks will receive no credit unless arrangements have been made in advance with the instructor in the course and the Dean. In courses which have no scheduled examination, notebooks must be turned in by 4 P.M. on Tuesday of the final week of the examination period.

#### Corporation of Haverford College

#### Officers

Dr. S. EMLEN STOKES, President Moorestown, N. J.

WM. MORRIS MAIER, Treasurer
814 Provident Trust Building, Philadelphia 3, Pa.
JOHN F. GUMMERE, Secretary

W. School Lane and Fox Street, Philadelphia 44, Pa.
WM. NELSON WEST, 3RD, Assistant Secretary
1600 Three Penn Center Plaza, Philadelphia 2, Pa.

### Members of the Standing Nominating Committee of the Corporation

#### Term Expires 1956

| WILLIAM Y. HARE       | Provident N | Mutual | Insurance  | Co., P.O. Box | : 73 | 78  |
|-----------------------|-------------|--------|------------|---------------|------|-----|
|                       |             |        |            | Philadelphia  | 1,   | Pa  |
| ROGER SCATTERGOOD     | Provident ' | Trust  | Building,  | Philadelphia  | 3.   | Pa. |
| ALEXANDER C. WOOD, JR |             | 48, T  | he Bourse, | Philadelphia  | 6,   | Pa. |

#### Term Expires 1957

| THOMAS W. ELKINTON115 | 66 Public Ledger Building, Philadelphia 6, Pa. |
|-----------------------|--|
| J. BARCLAY JONES      |  |
| RUSSELL W RICHIE      | 1212 Market Street Philadelphia 7 Pa           |

#### Term Expires 1958

| J. Morris Evans           | Mulford 1   | Road, Wync  | ote, Pa. |
|---------------------------|-------------|-------------|----------|
| WILLIAM S. LANE           | r School, P | hiladelphia | 44, Pa.  |
| Dr. Frederic C. Sharpless | I           | Beach Haven | , N. J.  |

#### Board of Managers

#### Ex-Officio as Officers of Corporation

| DR. S. EMLEN STOKES, President Moorestown, N. J.                               |
|--|
| WM. MORRIS MAIER, Treasurer. 814 Provident Trust Building, Philadelphia 3, Pa. |
| JOHN F. GUMMERE, Secretary W. School Lane and Fox St., Philadelphia 44, Pa.    |

#### Term Expires 1956

| M. Albert Linton          | .4601 Market Street, Philadelphia 39, Pa.  |
|---------------------------|--|
| EDWARD WOOLMAN            |  |
| THOMAS W. ELKINTON 1156 P | ublic Ledger Building, Philadelphia 6, Pa. |
| HENRY C. EVANS            | Manatawna Avenue, Philadelphia 28, Pa.     |
| GARRETT S. HOAG           | 10 Post Office Square, Boston 9, Mass.     |
| Dr. Jonathan E. Rhoads    | 3400 Spruce Street, Philadelphia 4, Pa.    |
| *James M. Houston         | . 717 Oliver Building, Pittsburgh 22, Pa.  |
| THOMAS B. HARVEY          | 0 W. Wildey Street, Philadelphia 23, Pa.   |
| GEOFFROY BILLO            | 25 Broad Street, New York 4, N. Y          |

#### Term Expires 1957

| · · · · · · · · · · · · · · · · · · ·                                 |
|---|
| †CHARLES J. RHOADS  |
| EDWARD W. EVANS Awbury, Germantown, Philadelphia 38, Pa.              |
| WILLIAM A. BATTEY   |
| Dr. Frederic C. Sharpless   |
| JOHN A. SILVER Apple Hill Farm, Pipersville, Pa.                      |
| H. JUSTICE WILLIAMS 901 Provident Trust Building, Philadelphia 3, Pa. |
| *THEODORE WHITTELSEY, JR  |
| *Donald E. Wilbur   |
| STEPHEN G. CARY A.F.S.C., 20 S. 12th Street, Philadelphia 7, Pa.      |
| HENRY SCATTERGOOD Germantown Friends School, Philadelphia 44, Pa.     |
| PHILIP G. RHOADS  |
|   |

#### Term Expires 1958

| JONATHAN M. STEERE  |
|---|
| STANLEY R. YARNALL  |
| Dr. Henry M. Thomas, Jr   |
| ALEXANDER C. WOOD, JR   |
| HAROLD EVANS  |
| RUSSELL W. RICHIE   |
| Dr. Joseph Stokes, Jr. 1740 Bainbridge Street, Philadelphia 46, Pa. |
| *JOHN S. WILLIAMS   |
| RICHARD R. WOOD   |
|   |

#### Faculty Representatives on Board of Managers

Term Expires 1957

LAURENCE W. WYLIE

Alternates: HOWARD M. TEAF, JR. and FRANCIS H. PARKER

<sup>\*</sup>Alumni Representative Manager. †Deceased.

#### Officers of the Board of Managers

Chairman of Board
DR. S. EMLEN STOKES

Secretary of Board

WM. NELSON WEST, 3RD

1600 Three Penn Center Plaza, Philadelphia 2, Pa.

#### Standing Committees of the Board of Managers

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

#### Executive Committee

DR. S. EMLEN STOKES, Chairman

JOHN F. GUMMERE

DR. JONATHAN E. RHOADS

ALEXANDER C. WOOD, JR.

WM. MORRIS MAIER

DR. FREDERIC C. SHARPLESS

THEODORE WHITTELSEY, JR.

THOMAS W. ELKINTON

THOMAS B. HARVEY

EDWARD W. EVANS

M. ALBERT LINTON

WM. NELSON WEST, 3RD

#### Committee on Finance and Investment

JONATHAN M. STEERE, Chairman

ALEXANDER C. WOOD, JR.

M. ALBERT LINTON

WM. MORRIS MAIER
RUSSELL W. RICHIE
HAROLD EVANS

THOMAS B. HARVEY

#### Committee on College Property

JOHN A. SILVER, Chairman

WILLIAM A. BATTEY

EDWARD WOOLMAN

THOMAS W. ELKINTON

HENRY C. EVANS

JAMES M. HOUSTON

GEOFFROY BILLO

JOHN S. WILLIAMS

#### Committee on Honorary Degrees

STANLEY R. YARNALL, Chairman

DR. HENRY M. THOMAS, JR.

HAROLD EVANS

GARRETT S. HOAG

H. JUSTICE WILLIAMS

DR. JOSEPH STOKES, JR.

STEPHEN G. CARY

LAURENCE W. WYLIE

#### Counsel

MACCOY, EVANS AND LEWIS
1000 Provident Trust Building
Philadelphia 3, Pa.

#### Faculty

| ARCHIBALD MACINT              | OSH          |              |             | A      | cting Presid | ent |
|-------------------------------|--------------|--------------|-------------|--------|--------------|-----|
| B.A., Haverford Pennsylvania. | College; A.M | I., Columbia | University; | Ph.D., | University   | of  |

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

ALFRED WM. HADDLETON... Assistant Professor of Physical Education, Emeritus JOHN OTTO RANTZ..... Instructor in Engineering, Emeritus

JOHN ALEXANDER KELLY ..... Professor of German, Emeritus A.B., Emory and Henry College; A.M. and Ph.D., Columbia University.

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

Douglas Van Steere T. Wistar Brown Professor of Philosophy S.B., Michigan State College; B.A. and M.A., Oxford University; A.M. and Ph.D., Harvard University; D.D., Lawrence College; Litt.H.D., Oberlin College

|     | RALPH MILLARD SARGENT  |
|-----|------------------------|
|     | HOWARD MORRIS TEAF, JR |
|     | JOHN WILLIAM FLIGHT    |
|     | IRA DE AUGUSTINE REID  |
| * # | *Alfred Julius Swan    |

B.A. and M.A., Oxford University. appointment with Swarthmore College

\*HERMAN MILES SOMERS ...... Professor of Political Science S.B. and Ph.M., University of Wisconsin; A.M. and Ph.D., Harvard University.

ROY EARL RANDALL ..... Professor of Physical Education and Director of Intercollegiate Athletics Ph.B. Brown University.

\*\*RICHARD MAX BERNHEIMER ..... Professor of History of Art on joint Ph.D., University of Munich. appointment with Bryn Mawr College

WILLIAM ATTICH REITZEL ..... Professor of Social Science B.S., Haverford College; B.A. and M.A., Oxford University.

THOMAS EDWARD DRAKE ...... Professor of American History A.B., Stanford University; A.M., University of Michigan; Ph.D., Yale University.

..... Professor of Astronomy LOUIS CRAIG GREEN . A.B., A.M. and Ph.D., Princeton University.

WILLIAM EDWARD CADBURY, JR. ..... Professor of Chemistry B.S. and M.A., Haverford College; Ph.D., University of Pennsylvania.

RUSSELL RAYMOND WILLIAMS, JR. ..... Professor of Chemistry

B.A., University of Buffalo; Ph.D., Stanford University.

HOWARD COMFORT ..... Associate Professor of Latin and Greek B.A., Haverford College; A.M. and Ph.D., Princeton University.

CLAYTON WILLIAM HOLMES ..... Associate Professor of Engineering B.S. in M.E., University of New Hampshire; M.A., Haverford College.

WILLIAM DOCHERTY, JR. ..... Associate Professor of Physical Education S.B., Temple University. and Director of Physical Education

. Associate Professor of Engineering THEODORE BRINTON HETZEL . Ph.D., Pennsylvania State College.

LAURENCE WILLIAM WYLIE . . . . . Associate Professor of Romance Languages A.B. and A.M., University of Indiana; Ph.D., Brown University.

MANUEL JOSE ASENSIO ..... Associate Professor of Romance Languages B.A., University of Granada; M.A. and Ph.D., University of Pennsylvania.

ROBERT CLARKE JAMES ..... Associate Professor of Mathematics B.A., University of California at Los Angeles; Ph.D., California Institute of Technology.

<sup>\*</sup>Absent on leave, 1956-57.

\*\*Absent on leave, first semester.

- JOHN ASHBY LESTER, JR. ..... Associate Professor of English B.S., Haverford College; A.M. and Ph.D., Harvard University.
- HOLLAND HUNTER ..... Associate Professor of Economics B.S., Haverford College; A.M. and Ph.D., Harvard University.
- \*WALLACE TREVETHIC MACCAFFREY ....... Walter D. and Edith M. L. Scull
  Associate Professor of English Constitutional History A.B., Reed College; A.M. and Ph.D., Harvard University.

- A.B., Columbia College; A.M. and Ph.D., Columbia University.
  - ..... Associate Professor of English A.B., A.M. and Ph.D., Harvard University.
  - A.B., Princeton University; A.M., University of California; Ph.D., Princeton University.
    - WILLIAM HEARTT REESE ..... Associate Professor of Music and Director of Glee Club and Orchestra on joint appointment with Bryn Mawr and Swarthmore Colleges
  - A.B., Amherst College; M.A., Columbia University; Ph.D., University of Berlin. \*KENNETH SHIELDS WOODROOFE ...... Associate Professor of English
  - B.A. and M.A., Oxford University.

  - FRANK JOSEPH QUINN ..... Assistant Professor of English Literature B.A. and M.A., Oxford University.
  - ARIEL GIDEON LOEWY .....
  - ROBERT LOUIS CONNER ..... Assistant Professor of Biology on joint appointment with Bryn Mawr College A.B., Washington University; Ph.D., Indiana University.

  - AARON LEMONICK

    B.A., University of Pennsylvania; A.M. and Ph.D., Princeton University.
  - ANDREW MACKAY SCOTT ..... Assistant Professor of Political Science A.B., Dartmouth College; M.P.A., M.A., Ph.D., Harvard University.
  - ROBERT JOEL WISNER ..... Assistant Professor of Mathematics B.S. and M.S., University of Illinois; Ph.D., University of Washington.
- \*Absent on leave, 1956-57.
- \*\*Absent on leave, second semester.

| JOHN RICHARD CARY  |
|--|
| MORTON SACHS BARATZ  |
| GEORGE V. COELHO   |
| JOSEPH B. R. MILLER, JR Assistant Professor of Physical Education B.S., University of Delaware; M.S., Springfield College. |
| STEVEN MULLER  |
| EDGAR SMITH ROSE   |
| MELVIN SANTER  |
| ALFRED WANNER SATTERTHWAITE Assistant Professor of English A.B., A.M. and Ph.D., Harvard University.                       |
| ROBERT IRVING WALTER   |
| THOMAS ALONZO BENHAM Lecturer in Physics B.S. and M.S., Haverford College.   |
| MARTIN FOSS Lecturer in Philosophy LL.D., University of Jena.  |
| CLARENCE EVAN PICKETT  |
| HENRY JOEL CADBURY   |
| MAX BLUESTONE  |
| ROBERT HAWES BUTMAN Instructor in Drama and Public Speaking on joint appointment with Bryn Mawr College                    |
| B.A. and M.A., University of North Carolina.  MICHAEL SHAW   |
| P. A. Sweethmann Callaga   |
| IFTIKHAR H. BHATTI   |
| THEODORE GOTTHARD HURLIMANN Instructor in Physics Ph.D., University of Basle, Switzerland.                                 |
| NORMAN BARGE BRAMALL Assistant in Physical Education   |
| RAYMOND TAYLOR BRAMALL   |
| NORMAN MONTGOMERY WILSON   |
| DAVID SHOEMAKER RICHIE Adviser in Work Camp Program B.S., Haverford College.   |
| The Vice-President, the Dean and the Comptroller are members of the Faculty.   |

#### Visiting Faculty on the Philips Fund

1955-1956

HON. CLIFFORD P. CASE, B.A., LL.B.

United States Senator from New Jersey.

SEYMOUR S. COHEN, Ph.D.

Professor of Biochemistry, Children's Hospital, University of Pennsylvania.

FARRINGTON DANIELS, Ph.D.

Chairman, Department of Chemistry, University of Wisconsin.

SIR CHARLES G. DARWIN, Sc.D., F.R.S., K.B.E.

Former Director of the National Physical Laboratory.

LOREN C. EISELEY, Ph.D.

Chairman, Department of Anthropology, University of Pennsylvania.

RALPH M. Fox, Ph.D.

Associate Professor of Mathematics, Princeton University.

ERICH FROMM, Ph.D.

Extraordinary Professor, National University of Mexico.

LINCOLN GORDON, Ph.D.

William Ziegler Professor of International Economics, Graduate School of Business Administration, Harvard University.

FRANK P. GRAHAM, LL.D., D.C.L., Litt.D.

United Nations Representative for India and Pakistan.

A. I. HALLOWELL, Ph.D.

Professor of Anthropology, Curator of Ethnology, University of Pennsylvania.

HON. DENIS HEALEY, B.A.

Member of Parliament.

MELVILLE J. HERSKOVITS, Ph.D.

Chairman, Department of Anthropology, Northwestern University.

FRED KARUSH, Ph.D.

Associate Professor of Biochemistry, Children's Hospital, University of Pennsylvania.

MILTON KATZ, Ph.D

Henry L. Stimson Professor of Law, Harvard University.

OTTO KLINEBERG, M.D., Ph.D.

Professor of Psychology, Columbia University.

PAUL F. LAZARSFELD, Ph.D.

Professor of Sociology, Columbia University.

MAJOR-GENERAL JAMES MCCORMACK, B.A., B.Sc., M.Sc.

Special Adviser to the President, Massachusetts Institute of Technology.

DEANE MONTGOMERY, Ph.D.

Professor of Mathematics, Institute for Advanced Study, Princeton.

J. ROBERT OPPENHEIMER, Ph.D.

Professor of Physics and Director, Institute for Advanced Study, Princeton.

GEORGE S. PALADE, Ph.D.

Rockefeller Institute for Medical Research, New York.

COLIN S. PITTENDRIGH, Ph.D.

Associate Professor of Biology, Princeton University.

KEITH R. PORTER, Ph.D.

Rockefeller Institute for Medical Research, New York.

JAMES M. READ, Ph.D.

United Nations Deputy High Commissioner for Refugees, Geneva.

MARCEL SCHEIN, Ph.D.
Professor of Physics, University of Chicago.

ROBERT SERBER, Ph.D.
Professor of Physics, Columbia University.

LAURISTON SHARP, Ph.D. Chairman, Department of Anthropology, Cornell University.

JAMES J. STOKER, Jr., Ph.D.
Professor of Mathematics, New York University.

PIERRE URI, licensié agrégé
Director, Economic Division, European Coal and Steel Community.

RAYMOND VERNON, Ph.D.

Former Acting Director, Office of Economic Defense and Trade Policy, Department of State.

GEORGE WALD, Ph.D. Professor of Biology, Harvard University.

#### Administration

| ARCHIBALD MACINTOSH Vice-President and Director of Admissions (Acting President 1956)                          |
|--|
| B.A., Haverford College; A.M., Columbia University; Ph.D., University of Pennsylvania.                         |
| WILLIAM EDWARD CADBURY, Jr   |
| MRS. EDYTHA M. CARR  |
| ALDO CASELLI   |
| JOHN ASHBY LESTER, JR. Librarian B.S., Haverford College; A.M. and Ph.D., Harvard University.                  |
| THOMAS EDWARD DRAKE  |
| RUTH L. BLESSING   |
| LOUIS CRAIG GREEN Director of the Strawbridge Memorial Observatory A.B., A.M. and Ph.D., Princeton University. |
| MRS. MIRIAM R. NUGENT Dietitian B.S., New York University.   |
| BENNETT SMEDLEY COOPER Alumni Secretary and Assistant to the President B.S., Haverford College.                |
| GERTRUDE MANN WONSON   |
| MRS. ALICE M. BERRY Secretary to the President   |
| MRS. FLORENCE N. ANDREWS Secretary to the Dean   |

## 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 1956-57 are Messrs. Hunter (Social Sciences), Wisner (Natural Sciences), and Asensio (Humanities)

ACADEMIC STANDING: Mr. Docherty, Chairman. Messrs. Heath, Scott, Wisner, Wylie.

ADMISSIONS: Mr. MacIntosh, *Chairman*. Messrs. Flight, Quinn, Sargent, Scott.

ARTS AND SERVICE: Mr. Butman, Chairman. Messrs. Benham, Reese, Wilson.

CURRICULUM AND COLLEGE PROGRAM: Mr. Oakley, Chairman. Messrs. W. Cadbury, Hunter, Lemonick, Lester, Parker.

FACULTY COMPENSATION: Mr. Teaf, Chairman.
Messrs. Baratz, James, Jones, Lander, Sargent, Shaw.

FELLOWSHIPS AND PRIZES: Mr. H. Comfort, Chairman. Messrs. Bluestone, Foss, Holmes, Reitzel, Steere.

GRADUATE PROGRAM: Mr. Reid, Chairman. Messrs. Drake, Meldrum, Muller, Steere, Teaf.

LIBRARY: Mr. Pfund, Chairman.
Messrs. Friedrich, Gordon, Gutwirth, Heath, Loewy, Post.

PHILIPS VISITORS: Mr. Reitzel, Chairman. Messrs. Cary, Gutwirth, Lemonick.

STUDENT AFFAIRS: Mr. Hetzel, Chairman. Messrs. Asensio, Oakley, Randall.

Student Members: Messrs. James D. Holmes, Louis R. Matlack, Erik B. Mezger.

# THE COLLEGE PROGRAM



### HAVERFORD COLLEGE

As a Quaker College, Haverford stresses in its educational policy the importance of personal and social ideals. In the past, this concern has been expressed through Fifth Day Meeting and Collection, rather than in any formal way in the requirements for the degree. Recent changes in faculty policy, 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.

Haverford believes that desirable qualities can be cultivated in the classroom and laboratory but that this process can be supplemented and strengthened by a sound program of student government and extracurricular activities. The non-academic program 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.

From the beginning these aims have been important in Haverford's educational program; the changes now in effect 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 fore-front 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. The first section of a new dormitory, Lloyd Hall, was started in 1899. By 1926 three other sections had been added. Consisting of suites with common living room and single or double bedrooms, Lloyd Hall set a new pattern for living arrangements at Haverford, in which both privacy and group living were possible. 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 social discrimination of a fraternity system.

In the Fall of 1955, Morris E. Leeds Hall was ready to house 52 students in living arrangements similar to those in Lloyd. Old Merion Hall and Annex were then converted into a faculty apartment house.

The original fund of \$60,000 raised when the College was started has been increased by generous bequests and donations to more than \$10,000,000. This endowment enables the College to maintain a superior faculty of unusual size in proportion to the number of students. Student enrollment is limited to approximately 450 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 extracurricular activities.

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

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

Each applicant for admission must take the Scholastic Aptitude Test and three Achievement Tests of the College Entrance Examination Board. The English Achievement Test is required, but a candidate may choose the other two tests. If there is any doubt about the choice of the two tests, he should consult the Director of Admissions. 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.

<sup>\*</sup> 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 requirements should be discussed with the Director of Admissions. The remaining units will be drawn from laboratory science, social science, history, and additional mathematics and language.

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

## Information Concerning College Entrance Board Tests

The College Entrance Examination Board will offer examinations on each of the following dates during the academic year 1956-57:

Saturday, December 1, 1956 - Scholastic Aptitude Test

and Achievement Tests

Saturday, January 12, 1957 — Scholastic Aptitude Test only Saturday, February 16, 1957 — Scholastic Aptitude Test only

Saturday, March 16, 1957 — Scholastic Aptitude Test

and Achievement Tests

Saturday, May 18, 1957 — Scholastic Aptitude Test

and Achievement Tests

Wednesday, August 14, 1957 - Scholastic Aptitude Test and Achievement Tests

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

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

English Composition Advanced Mathematics

Social Studies Biology
French Reading Chemistry

German Reading Intermediate Mathematics

Latin Reading Physics

Spanish Reading

In addition, at the March, 1957, series only, Achievement Tests in Greek Reading and Italian Reading will be offered, but only to candidates who register in advance specifically for these tests.

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

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

Candidates should make application by mail to the College Entrance Examination Board. Students who wish to take the examinations in any of the following States, territories, or foreign areas should address their inquiries and send their applications to College Entrance Examination Board, P. O. Box 27896, Los Feliz Station, Los Angeles 27, California:

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

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

Haverford prefers that its candidates take the March series of College Board examinations, but it will accept the December series if a candidate wishes to take them at that time.

Application forms will be sent to any candidate upon request. When ordering the forms candidates must state whether they wish applications for the December, January, February, March, May or August tests. Application forms for the December tests will be available early in the fall; those for the January and February tests will be ready for distribution about November 1st, those for the March series, about January 9th; forms for the other two series will be available immediately after the preceding series has been held. A copy of the Bulletin of Information is routinely sent to every candidate requesting an application blank.

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

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

For examination centers located

in the United States, in Europe, Asia, Canada, Alaska, Hawaii. Africa, Central and the Canal Zone, Mexico, South America, and or the West Indies Australia Date of Tests December 1, 1956 November 10 October 13 January 12, 1957 February 16, 1957 November 24 December 15 January 26 December 29 March 16, 1957 February 23 January 26 April 27 March 30 May 18, 1957 August 14, 1957 July 24 June 26

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

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

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

## **Advanced Standing**

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

## Financial Arrangements

#### Rooms

ENTERING FRESHMEN are assigned the rooms available after the other classes have made their choice. It is not always possible to meet the desire of Freshmen for the remaining rooms. The College assumes that a new student will accept any available room of approximately the same quality as the room for which a preference is expressed. New students will be notified of the rooms assigned to them by means of a list available in Roberts Hall. The choice of rooms by other students is governed by published rules.

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

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

## Expenses

The tuition charge for all regular students is \$850.00 for the academic year. Tuition for special students is \$125.00 per course, per semester. The board is \$470.00, and room rent \$250.00 per year. The Unit Fee is \$85.00 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 Freshmen 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 (a maximum of \$500.00 within one year of each accident), diploma, and psychological tests when required by the College.

The College requires a \$70.00 deposit to cover the cost of books and any other incidental charges which may arise during the school year. At intervals during the year, a bill for the actual charges made will be sent to the student. If this bill, or any other indebtedness, is not paid by the end of the semester, credits will not be granted for the work performed. Any unspent balance is refunded at the end of the academic year.

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 first risk may apply for information at the Office of the Comptroller.

## Monthly Payments

Since some parents prefer to pay tuition and other fees in equal monthly instalments during the academic year, we are glad to offer the convenient TUITION PLAN. Various plans are available at the following costs:

One Year Plan -4% greater than the Cash Price Two Year Plan -5% greater than the Cash Price Three Year Plan -6% greater than the Cash Price Four Year Plan -6% greater than the Cash Price

The 2, 3 and 4 year plans include Parent Life Insurance which provides funds for the cost of the remaining period of schooling, if the parent who has signed the contract dies.

THE TUITION PLAN is optional and intended solely as a convenience. Upon request forms will be sent for signature.

### Student Loan Fund

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

For information apply at the Office of the Comptroller.

#### Student Aid

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

## Scholarships

SCHOLARSHIPS are awarded on a basis of merit and individual need. While no scholarship is given for more than one year, it is the practice to continue the scholarship if a student's scholastic performance has been satisfactory and his need remains constant.

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 1957-1958, together with supporting letters from parents or guardians, should be in the hands of Vice-President MacIntosh before April 15, 1957.

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.

CORPORATION AWARDS.—Four Corporation Scholars will be chosen in each class. In the senior, junior and sophomore classes the selection will be made on the basis of the highest general averages for the preceding year. In the freshman class the selection will be made after the May College Board Examinations (see page 24). Each man will be awarded \$50.00 in books. No application for these awards is necessary.

## The Endowed Scholarships

It is not necessary for applicants to mention specific scholarships in their applications except in those cases where they meet the special conditions stated for the award.

- I. ISAIAH V. WILLIAMSON SCHOLARSHIPS.—Three scholarships, usually awarded to members of the Senior and Junior classes.
  - II. RICHARD T. JONES SCHOLARSHIP.—One scholarship.
  - III. EDWARD YARNALL SCHOLARSHIP.—One scholarship.
  - IV. THOMAS P. COPE SCHOLARSHIP.—One scholarship.
  - V. SARAH MARSHALL SCHOLARSHIP.—One scholarship.

## VI. MARY M. JOHNSON SCHOLARSHIP.—One scholarship.

- VII. ISAAC THORNE JOHNSON SCHOLARSHIP.—One scholarship, available for a student of Wilmington College or a member of Wilmington (Ohio) Yearly Meeting of Friends.
- VIII. CASPAR WISTAR MEMORIAL SCHOLARSHIP.—One scholarship, 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.
- IX. LOUIS JAQUETTE PALMER MEMORIAL SCHOLARSHIP.—This scholarship 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.
- X. J. KENNEDY MOORHOUSE MEMORIAL SCHOLARSHIP.—One scholarship, 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."
  - XI. PAUL W. NEWHALL MEMORIAL SCHOLARSHIP.—One scholarship.
- XII. ROBERT MARTIN ZUCKERT MEMORIAL SCHOLARSHIPS.—Two or more scholarships, preference to be given to "a native of New York or Connecticut who now resides in one of those States."
  - XIII. SAMUEL E. HILLES MEMORIAL SCHOLARSHIP.—One scholarship.
- XIV. CLASS OF 1913 SCHOLARSHIP.—One scholarship, 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.
- XV. ISAAC SHARPLESS SCHOLARSHIP FUND.—Founded in 1941. Scholarships open to graduates of secondary schools and undergraduates of Haverford College. Awards based upon fulfillment by applicant of requirements used in selection of Rhodes Scholars to the University of Oxford. Awards granted from list submitted to Selection Committee by the Director of Admissions, subject always to final approval by the President of the College; amount variable.

XVI. CLASS OF 1917 SCHOLARSHIP.—One scholarship, 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.

XVII. THE GEOFFREY SILVER MEMORIAL SCHOLARSHIP.—One scholarship, available to a public school graduate in this general area who may enter Haverford.

XVIII. DANIEL B. SMITH SCHOLARSHIP.—One scholarship, 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 descendant of Benjamin R. Smith, if any such should apply."

XIX. SARAH TATUM HILLES MEMORIAL SCHOLARSHIP FUND.—Founded November 1, 1954, 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.'"

XX. ELIHU GRANT MEMORIAL SCHOLARSHIP FUND.—Two or more scholarships, 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 post-graduate degree at Haverford College.

XXI. JOSEPH L. MARKLEY MEMORIAL SCHOLARSHIP.—One scholarship, awarded at the discretion of the Faculty, "on the basis of character, scholarship and financial need."

XXII. JOSEPH C. AND ANNE N. BIRDSALL SCHOLARSHIPS.—One scholarship, 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."

XXIII. DANIEL E. DAVIS, JR. MEMORIAL SCHOLARSHIP.—One scholarship, awarded at the discretion of the Faculty, "on the basis of character, scholarship and financial need."

XXIV. CHRISTIAN FEBIGER MEMORIAL SCHOLARSHIP.—One scholarship, 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.

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

XXVI. JONATHAN M. STEERE SCHOLARSHIP FUND.—Established in December 1948 by Jonathan M. Steere, of the Class of 1890. The scholarship is intended primarily for a graduate of Moses Brown School, Providence, Rhode Island, who shall be a member of the Society of Friends.

XXVII. WILLIAM GRAHAM TYLER MEMORIAL SCHOLARSHIP.—Founded in 1949 in memory of William Graham Tyler, of the Class of 1858. Preference shall be given to students from Oskaloosa, Iowa, or from William Penn College, on the basis of character, scholarship and financial need.

XXVIII. MAX LEUCHTER MEMORIAL SCHOLARSHIP.—Established in December, 1949, in memory of Max Leuchter, father of Ben Z. Leuchter, of the Class of 1946. One scholarship, awarded at the discretion of the Faculty, "on the basis of character, scholarship and financial need."

XXIX. 1890 MEMORIAL SCHOLARSHIP FUND.—Established by a member of the Class of 1923 in memory of his father, of the Class of 1890, and in recognition of his father's friendship with the members of his class. The income from this fund is to be awarded as a scholarship by the College to a deserving student.

XXX. THE A. CLEMENT WILD SCHOLARSHIP.—Established May 14, 1951, by Mrs. Gertrude T. Wild in memory of her husband, A. Clement Wild, of the Class of 1899. The income from this fund is to be awarded as a scholarship by the College to a deserving student. Preference shall be given to an English exchange student or someone in a similar category.

XXXI. THE CHARLES MCCAUL FUND.—Established in 1951 by Mary N. Weatherly. One or more scholarships which shall be "awarded to students who show special interest in the field of religion and the social sciences."

XXXII. THE CAROLINE CHASE SCHOLARSHIP FUND.—Established December 10, 1951, by Caroline Chase, daughter of Thomas Chase, one-time

president of the College. This fund is an expression of Thomas Chase's "enthusiastic appreciation for its high standards of scholarship in Greek, Latin and English literature."

XXXIII. THE JONATHAN AND RACHEL COPE EVANS FUND.—Founded in 1952 by the children and grandchildren of Jonathan and Rachel Cope Evans. One half of the income of this fund is to be used for scholarships.

XXXIV. THE NEW ENGLAND SCHOLARSHIP.—Established by the Haverford Society of New England for a New England boy from a New England school. In the award of this scholarship a committee, composed of alumni of the New England area, will consider character and personal qualities as well as the scholastic record and need of the applicant.

XXXV. THE ROY THURLBY GRIFFITH MEMORIAL FUND.—Established in June 1952 by Grace H. Griffith, in memory of Roy Thurlby Griffith, of the Class of 1919. The income from this fund is to be awarded as a scholarship by the College, "preference to be given to boys who have no father and who are in need of financial assistance."

XXXVI. THE MORRIS LEEDS SCHOLARSHIPS.—Established in 1953 by the Board of Managers of the College in memory of Morris E. Leeds, a member of the Class of 1888 and chairman of the Board from 1928 to 1945.

XXXVII. THE CLASS OF 1904 SCHOLARSHIP FUND.—Established June 4, 1954, in commemoration of the fiftieth anniversary of the Class of 1904. The income from this fund, which was contributed by the Class and the families of its deceased members, will provide one scholarship.

XXXVIII. THE WILLIAM MAUL MEASEY TRUST.—Established in 1952 by William Maul Measey, a friend of the College, who has been deeply interested in education and who has wished to help students of high quality in the pursuit of their education.

XXXIX. THE J. HORACE COOK FUND.—Established in 1955 by a bequest under the will of J. Horace Cook, of the Class of 1881, for a scholarship, "one to be awarded each year so that there will be a student in each class receiving his tuition from this fund."

XL. THE INAZO NITOBE SCHOLARSHIP FUND.—Established in November 1955 under the will of Anna H. Chace, "the income to be used and applied for the education at Haverford College of a Japanese student who shall be a resident of Japan at the time of his appointment to such scholarship and for

his traveling expenses from and to Japan and his living expenses during the period he shall hold such scholarship."

XLI. THE GIFFORD K. WRIGHT SCHOLARSHIP FUND.—Established in December 1955 in memory of Gifford K. Wright, of the Class of 1893.

XLII. THE SUMMERFIELD FOUNDATION SCHOLARSHIP FUND.—Established in February 1956 one scholarship, awarded at the discretion of the Faculty, "on the basis of character, scholarship and financial need."

XLIII. THE SCOTT AWARD.—Established in 1955, for a period of five years, by the Scott Paper Company Foundation. "A two-year scholarship award for the Junior and Senior years, to be given to that student who is planning to embark upon a business career and who is judged by both students and faculty as an outstanding member of the Sophomore Class."

XLIV. THE UNION CARBIDE SCHOLARSHIPS.—Established in September 1955, by the Union Carbide and Carbon Corporation, four four-year scholarships which cover the cost of tuition, books and fees and which are available to students who are interested in careers in business or industry, research or teaching.

### The General Scholarships

In addition to the endowed scholarships, a general scholarship fund is available. Awards from this fund will be made by the committee, the scholarships varying in size and number according to the need of the applicants.

### 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

To graduate from Haverford College a student must complete successfully four years of academic work and three years of Physical Education (part of which may be replaced by work in the Arts and Service Program). Credit for a year of academic work is given to a student who has taken five courses for each of two semesters with an average of at least 65 for the Freshman year, and at least 70 for each of the next three years. Among the courses taken, the student must include freshman English, the courses required for his Major Department, and, during the first three years, those required under the limited electives program (see below). He must also include Course 100 in his Major department during the second semester of the Senior year, at the end of which he must take the major examination in that department, and receive a grade of at least 70. 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.

The award of Honors for work toward the Bachelor's degree is described on pages 121-122.

#### Limited Electives

To ensure breadth of distribution, every student is required to take a certain number of courses, as indicated in each of four groups. This requirement must be satisfied before a student can be admitted to Senior standing. Exceptions may be made by agreement between the Major Supervisor and the Dean. The requirements are as follows:

- 1. FOREIGN LANGUAGES: One full-year course in a foreign language beyond the elementary grade. For the purpose of this requirement, all first year foreign language courses, with the exception of Greek 11, 12, are considered as of elementary grade. However, students whose native tongue is other than English are not required to study additional language in college.
- (N.B. A single full-year language course, if included among those listed under the Humanities requirements below, will satisfy requirements in both Group 1 and Group 2.)
- 2. HUMANITIES: The requirement may be met by taking four semester courses as follows:
  - (a) Two semester courses from the following:
    Biblical Literature 12, 13, 23.
    Humanities 21-22.
    Philosophy 11, 12, 21-22, 28, 32, 36.
  - (b) Two semester courses from the following:
    Biblical Literature 11, 20.
    English 21, 22, 23, 24, 25, 26, 29, 31, 32, 33.
    French 12, 13-14, 23-24, 25-26.
    German 15, 21-22, 31, 32, 33, 36, 37.
    Greek 11, 12, 21, 22, 29.
    History of Art 21-22; Bryn Mawr 201, 203, 204, 301, 302.
    Latin 13-14, 15, 16, 23, 24.
    Music 11-12, 21-22.
    Philosophy 23 or 29; 24, 25, 26.
    Russian 201, 203 (Bryn Mawr).
    Spanish 21-22, 31-32.
- 3. NATURAL SCIENCES AND MATHEMATICS: The requirement may be met by taking four semester courses, two each from two of the following groups:
  - (a) Biology 12, 13, 14, 21; Psychology 33, 34, 36.
  - (b) Physical Science 11, 12; Chemistry 12, 13, 14; Physics 13-14.
  - (c) Astronomy 11, 12; Geology 101a, 101b\*; Mathematics 11, 12 (or 14 or 16), or 21, 22.
- \* Geology is offered at Bryn Mawr College. In order for a student to take courses at Bryn Mawr, he must meet the requirements as stated on page 44 of this catalog.

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

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

#### Free Electives

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

#### Non-Academic Electives

Three terms of Physical Education or of courses in the Arts and Service Program are required of each Freshman, Sophomore, and Junior, as described on pages 82 and 99. These courses must be taken in addition to the 40 semester courses of academic work required for a degree.

### Major Concentration

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

Definite requirements are stated under the name of each department on pages 49-99. During the fourth semester of his attendance each student should confer with the Major Supervisor of the department in which he wishes to major, and apply to him for written approval of a program of courses for the last four semesters. Such a program must provide for the completion, by the end of the Senior year, of approximately twelve semester courses, or the equivalent, at least six of which must be in the Major Department and the others in closely related fields. Should the student's application be rejected by the department of his first choice, he must immediately apply in another. Failure to file with the Dean, before the date specified on the College Calendar, a copy of his Major Program signed by his Major Supervisor, will entail a fine of \$5. Any student who continues delinquent in this matter will be debarred from the final examinations in his fourth semester. Should the student's application be rejected by all the departments to which he applies, he will not be promoted.

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

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

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

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

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

Each Senior must take a special Major comprehensive examination (written, oral, or both) during the period scheduled for such examinations. The purpose of this examination is to promote the student's comprehension, integration and application of the knowledge acquired in the field of his major concentration, and to secure evidence of this achievement. The passing grade for this examination is 70. In case of failure, a candidate may, with the permission of his Major Supervisor, present himself for re-examination at a date (to be determined by the Major Supervisor) later than Commencement Day of the current year.

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

As special background for the comprehensive examination a senior shall engage in a period of study, technically called course 100, in his department of concentration during the semester preceding that examination. This period of study shall be counted as one of the five courses normally carried by the

<sup>\* &</sup>quot;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."

student during his final semester. Evaluation of the work in course 100 may be included in the grade earned by the student in his comprehensive examination.

In case of failure in the comprehensive examination a student does not necessarily repeat the term work of course 100, but follows the application procedure for re-examination as indicated on the preceding page. A student may not take more than two re-examinations in the field of his major concentration.

Students taking Majors under the supervision of Bryn Mawr College will note that their course 100 may extend over more than one semester; if this is the case, credit for two courses at Haverford will be granted if the work in each semester of this course is satisfactory.

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.

A student who has demonstrated unusual maturity and who has special interests and abilities may be permitted to arrange an *interdepartmental major*. The program of courses, the nature of the 100 course, and the nature of the comprehensive examination for an interdepartmental major are to be worked out in advance (that is, when the major is selected) by the student, with permission of the Dean, in consultation with and subject to the approval of the chairmen of the departments concerned, one of whom will be designated as Major Supervisor for that student.

In rare cases, and only for high ranking students, a *double major* may be arranged, in which the student takes the complete major in each of two departments. In order to take a double major, a student must receive permission from the Dean as well as from the chairman of each of the departments concerned.

## Freshman Program

Each Freshman, on entering the College, is assigned to a Faculty member as Adviser. Normally, the student keeps the same Adviser until he chooses a Major near the end of the Sophomore year, when the Chairman of the Major Department becomes his Adviser. Assignment of Advisers for incoming students is made by the Dean, on the basis of the best evidence available to him. If a prospective student knows of a Faculty member whom he would like to have as Adviser, he is urged to inform the Dean of the preference before the opening of College. If, after being assigned an Adviser by the Dean, the student finds another Faculty member whom he would prefer to have as Adviser, he is urged to inform the Dean of this preference, so that, if possible, the change can be made.

Although the Faculty Adviser is instructed to advise each Freshman on 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 Social Science and one foreign language. In addition, two courses chosen from Mathematics, the Natural Sciences, History, Biblical Literature, and Philosophy make a reasonable Freshman program.

The courses open to Freshmen are numbered 11 to 19 in the section on Courses of Instruction. If he is qualified, a Freshman may be permitted by the department concerned and by the Dean to take more advanced courses.

A series of standard tests is administered to all entrants within the first few days of the first semester. These tests are helpful in guidance and counseling. One function of the tests is to determine which Freshmen should be recommended to take the voluntary course in Remedial Reading, which is offered each term, for no credit, to students who feel the need of establishing reading habits that will improve their comprehension and increase their speed in reading.

## **Preparation for Professions**

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

A student who intends to go to a professional school is free to choose his major in accord with his principal abilities and interests, since professional schools, such as those of business administration, education, law, medicine, or theology, usually accept students on the basis of merit regardless of their choice of major and, except in the case of medical schools, without specific course requirements. The requirements of most state boards of medical licensure are such that all students who hope to be admitted to a medical school must take Biology 12 and one additional semester course (which must include laboratory work) in biology, Chemistry 13, 14, 25, and 26, and Physics 13-14.

Students who plan to go to professional schools should seek advice as early as possible from appropriate Faculty members as follows: business administration, Mr. Teaf; education, Mr. Friedrich; law, Mr. Somers; medicine, Mr. W. Cadbury; theology, Mr. Flight or Mr. Steere.

If a student plans to do graduate work in a departmental subject, such as engineering, mathematics, history, etc., he should consult as early as possible with the chairman of the department at Haverford which most nearly corresponds to the department in which he plans to work in graduate school. This adviser will be able to guide him in his selection of courses, his choice of Major (which will not necessarily be in the department of his intended graduate study), and other questions which may have bearing on his future.

Law schools, medical schools, and some graduate schools require applicants to take special admission tests. Arrangements for taking these tests are the responsibility of the student concerned; he can obtain information about them from the Faculty members mentioned above.

### 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

Although the normal load is five courses each semester, a student who desires to do so may take additional work upon approval of his adviser and the Dean. Such approval will not normally be granted to Freshmen, but will usually be granted to a Sophomore, Junior, or Senior who requests it, if his average for the preceding semester was 80 or above. There is no charge for a sixth course taken by a student in full standing, but a fee of \$40.00 is charged for a sixth course taken to make up a deficiency incurred under the regulations in force prior to September, 1956.

#### Audited Courses

A student who wishes to audit a course should obtain the permission of the instructor. No charge is made for auditing.

## Course Changes

Courses may be changed during the first week of each new semester. During that time students are free to make changes after consultation with their Advisers and the Dean.

Changes will not be permitted later except in cases where the student is known to be an excellent student and where he receives the consent of the professor to whose course he is changing and of his Adviser and of the Dean.

### Special Cases

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

### Evaluation of Academic Performance

The instructor in each course submits at the end of each semester a numerical grade for each student. These grades may range from 0 to 100. The grades obtained by each student are averaged together to give evidence of his overall performance during that semester.

The Committee on Academic Standing reviews students' records at intervals, and has authority to drop students from college, or to set requirements for additional work in cases of students whose work is unsatisfactory. As a rule, the Committee will drop from college Freshmen who do not receive the required average of 65 or higher, and upperclassmen whose averages are below 70. However, any student whose record is such as to justify the belief that he is not availing himself of the opportunities offered by the College may be dropped.

A student who, because of special circumstances such as illness, receives a low grade in a course, may petition his instructor and the Dean for a special examination. If the request is granted, and the student takes the special examination, the grade in that examination will replace the grade originally received in the mid-year or final examination in computing the final grade for that course; the new course grade will be entered in place of the old on the student's transcript, and the semester average will be revised accordingly.

In some circumstances a student may be permitted by the Dean to drop a course, or to take less than the normal load, and thus does not receive grades for the full five courses. The Committee on Academic Standing will review all such cases, and will specify what work the student must perform to be restored to full standing. Similarly, in the case of a student who wishes to accelerate, this Committee will specify conditions under which credit for an extra semester's or year's work will be granted.

## 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 without additional expense.

Students desiring to take advantage of this arrangement must obtain the permission of the Dean. This permission will not usually be granted to a student whose general average for the preceding semester has been less than 80. Exceptions may be made in case the course at the other institution is necessary for the student's Major. 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 at Haverford.

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

### Visitors and Lectures

In recent years, the College has arranged for individual departments of the Faculty to invite visitors to Haverford for varying periods of time to meet with members of the department and with students interested in that field. These departmental visitors, who sometimes give public lectures, have contributed considerably to the vitality of the work in the various departments.

This program has been greatly strengthened as a result of a generous bequest from the late William P. Philips. A substantial sum from this bequest is used to bring to Haverford "distinguished scientists and statesmen," whose visits may last anywhere from a few hours to a full academic year. On page 13 of this catalog is a list of the visitors brought to the campus under this bequest during the academic year 1955-56.

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

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

## 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.

Applications, together with transcripts, should reach the Director of Admissions not later than May 1.

Charges.-For charges and fees see pp. 27-28.

### Requirements

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

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

<sup>\*</sup> In a full-year course, the course grade is the average of the two semester grades; in other cases each semester's work is a separate course, for the purpose of this requirement.

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 the required work must be completed 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.

# COURSES OF INSTRUCTION

THE NUMBERING SYSTEM used in this catalog involves a twodigit number for each semester course. Courses numbered from 11 through 19, primarily Freshmen courses, are open to all students; courses numbered from 20 through 30 are open to Sophomores, Juniors, and Seniors; courses numbered from 31 though 60 are open to Juniors and Seniors; courses numbered from 61 through 80 are open only to Seniors; courses numbered from 81 through 89 are project courses open to Seniors and often also to Juniors; courses numbered from 91 to 99 are open only to graduate students; 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; a student who takes the first semester of such a course must normally take the second semester. 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. In either case, the first semester course is prerequisite to the second.

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

Where a course is listed as prerequisite for another course, a grade of 60 or better will be required in the prerequisite course, unless otherwise specified; however, the instructor may waive this requirement at his discretion.

Each course carries three semester hours credit, and is offered annually, unless otherwise specified.

## 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, 45, 46, 81, 82, and 100; Mathematics 11, 16, 21, 22; Physics 13-14, 28.

Three written comprehensive examinations of three hours each.

11, 12. DESCRIPTIVE ASTRONOMY—Four hours, including one laboratory period a week. Mr. Green.

Our knowledge of the motions, composition, organization, and evolution of the solar system, stars, and galaxies is presented, together with explanations of the methods by which this information is obtained. The laboratory work consists of visual, photographic, and spectroscopic observations of the sun, moon, planets, stars, and nebulae.

- 21, 22. READING COURSE IN STELLAR ASTRONOMY—Mr. Green.
  - Systematic reading in stellar astronomy from an established list of recent books and research articles. Astronomy 21 may be taken in either semester. Prerequisite: Astronomy 11, 12.

Not offered in 1956-57.

45. ASTROPHYSICS-Mr. Green.

An introduction to spectroscopy, quantum mechanics, and statistical mechanics leads to the study of ionic and molecular equilibria in the atmosphere of the stars, in the diffuse nebulae, and in interstellar space. Prerequisite: *Physics* 28 and *Mathematics* 21, 22; Junior or Senior standing.

Offered in 1956-57.

46. ASTROPHYSICS-Mr. Green.

The transfer of radiation in stellar atmosphere, the internal constitution of the stars, and the sources of stellar energy. Prerequisite: *Physics 28* and *Mathematics 21, 22*; Junior or Senior standing.

Offered in 1956-57.

81, 82. SPECIAL TOPICS IN ASTROPHYSICS-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. Senior standing. Not offered in 1956-57.

### 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 flour-ished 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. 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. Conference courses offer opportunity for intensive work by individual students on problems of archaeological, historical, or religious interest. Course 28 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.

## Major Requirements

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

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

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

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

### 11. INTRODUCTION TO THE BIBLE—Mr. Flight.

Literary history of the Biblical books; problems of origins, growths, interpretation, literary and religious values.

#### 12. DEVELOPMENT OF CHRISTIAN THOUGHT-Mr. Flight.

Exploration of selected problems and principles of Christian living, with refer-

ence to their backgrounds and their meaning and application to contemporary life. Prerequisite: Biblical Literature 11, 13, or 23.

#### 13. THE RISE OF CHRISTIANITY-Mr. Flight.

A study of the background, early development, and spread of the Christian movement, up to the fourth century, as reflected in the New Testament, particularly in the book of Acts and the letters of Paul, and in the writings of the Church Fathers.

To be offered in 1957-58 and alternate years.

#### 20. THE ENGLISH BIBLE-Mr. Flight.

(Also called English 20.)

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. To be offered in 1957-58 and alternate years.

#### 23. COMPARATIVE RELIGION-Mr. Flight.

A comparative study of the great living religions, their founders, their scriptures, their characteristic ideas and ideals. Not open to Freshmen.

Offered in 1956-57 and alternate years.

#### ANCIENT HISTORY OF THE NEAR EAST—Mr. Flight. (Also called History 28.)

The beginnings of Western civilization in the cultures of the Near East; archaeological and historical. Not open to Freshmen.

Offered in 1956-57 and alternate years.

#### 81 or 82. SPECIAL TOPICS—ADVANCED SEMINAR—Mr. Flight.

Individual work to be elected by the student from one or more of the following divisions of the field: literature, archaeology, history. 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.

## **Biology**

THE BIOLOGY program is designed to give a solid foundation in general biological principles, an insight into recent developments of experimental aspects of the field and an opportunity for a research experience in the senior year.

The courses are built up in a sequence of three stages.

1) Four introductory courses to be taken at the freshman and sophomore level which cover biological principles (13, 21) and biological diversity (12, 14).

- 2) Six advanced courses (31, 32, 33, 34, 35, 36) to be taken at the junior or senior level designed to create sufficient competence for research in the senior year.
- 3) Three Senior Research Tutorials (61-62, 63-64, 65-66) involving reading of current literature, laboratory research, student lectures and seminars and a senior thesis. The topics of these research tutorials lie in the areas of principal interest of the instructors.

### Major Requirements

Biology 12, 13, 21, 31, 32, either 33 or 35, 36, either 61-62 or 63-64 or 65-66, 100; Chemistry 13, 14, 25, 26.

The Department strongly recommends the following additional courses since they provide a minimum theoretical background for advanced work in Biology; Mathematics 11, 12 (or 16), Physics 13-14, Chemistry 28.

Biology 100 consists of a series of seminars given by students and designed to tie together the work done in the three Senior Research Tutorials, and a written comprehensive examination at the end of the senior year.

12. THE ANIMAL KINGDOM—Four hours, including one laboratory period a week.

Mr. Conner.

A study of the evolution of structure and function in the animal kingdom.

13. ORGANISMS IN THE WORLD-Mr. Erickson.

An introductory course in the areas of biology conventionally denoted as Ecology, Genetics and Evolution.

The course will attempt to give insight into the problems of the maintenance of the individual organism in relation to the various environments and in relation to the other organisms occurring therein (Ecology); into the problems of self-perpetuation of kinds of organisms by reproduction (Genetics); into the problems of descent with modification and entrance into changed relations with environments and with organisms (Evolution).

14. THE PLANT KINGDOM—Three hours. Two class periods and one laboratory period a week. Mr. Loewy.

A study of evolutionary development in the plant kingdom and of the structure and function of the higher plants. Advanced students can do additional work in plant physiology.

21. PHYSICAL BASIS OF LIFE—Four hours, including one laboratory period a week.

Mr. Loewy and Mr. Santer.

An introductory course in the areas of biology conventionally denoted as Physiology, Biochemistry, and Biophysics.

The course will attempt to give insight into the methods and subject matter of the physical-chemical approach to the study of living systems. Major emphasis is laid on cells rather than on correlative mechanisms between cells.

Prerequisite: Chemistry 13, 14, or consent of the instructor.

# 31, 32. MICROBIOLOGY—Four hours, including one laboratory period a week. Mr. Santer.

A course dealing with the microbial world of viruses, bacteria, fungi, algae, and protozoa.

An attempt will be made to show how microorganisms are used to study fundamental problems in genetics and biochemistry. The laboratory consists of the isolation of a variety of microorganisms and the study of their biochemical properties. Prerequisite: Biology 21; Chemistry 25, 26 must be taken previously or concurrently.

#### 33. CELLULAR PHYSIOLOGY—Mr. Loewy.

The purpose of this course is to develop a theoretical basis for the study of some integrated cell functions (osmotic, electrical and contractile work). Emphasis is placed on the physics and chemistry of proteins and nucleic acids and the submicroscopic structure of the cell.

Prerequisite: Biology 21, Chemistry 28.

#### READING COURSE IN MODERN GENETICS OR MODERN EVOLUTION-ARY THEORY.

The purpose of this course is to enable the student to acquaint himself with some of the more recent developments in the field of Genetics or of evolutionary theory by reading advanced textbooks, reviews and current journal articles.

Prerequisite: Biology 13, and consent of the instructor. Either semester.

Not offered in 1956-57.

#### COMPARATIVE ANATOMY—Four hours, including two laboratory periods a week. Mr. Bhatti.

The lectures in this course deal with the comparative and unique aspects of the anatomy of the organ systems of the various vertebrates. Classification phylogeny and adaptive radiations are considered with emphasis placed on anatomical adaptations to the various habitats. The laboratory work includes the dissection of principal types of vertebrates.

Prerequisite: Biology 12.

### 36. EMBRYOLOGY—Four hours, including two laboratory periods a week. Mr. Bhatti.

A study of the development of vertebrate anatomy. The lectures deal with events which precede development and a brief outline of contributions in the field of experimental embryology. The laboratory periods are devoted to the embryology of various vertebrates with emphasis placed on the embryology of the chick. Prerequisite: *Biology 12*.

#### 61-62. SENIOR RESEARCH TUTORIAL IN COMPARATIVE BIOCHEMISTRY— Not offered in 1956-57.

# 63-64. SENIOR RESEARCH TUTORIAL IN CELLULAR ARCHITECTURE—Mr. Loewy.

Readings from current textbooks and periodicals on structural aspects of proteins, nucleoproteins, cellular particulates and cells. Considerable emphasis is placed on

techniques by which fine structure can be studied. Research in an area relating protein chemistry to cellular fine structure and cellular function. Student lectures on readings and research.

Prerequisite: Biology 33.

- 65-66. SENIOR RESEARCH TUTORIAL IN EXPERIMENTAL MORPHOLOGY— Not offered in 1956-57.
- 81, 82. PROJECT COURSES—Mr. Bhatti, Mr. Loewy and Mr. Santer. Open only by permission of instructor.

## Chemistry

THE COURSES in chemistry, when taken in proper sequence, afford a developing knowledge of chemistry as a rational science. Fundamental principles are stressed but sufficient experimental and other factual material is introduced to render these principles clear and to illustrate their applicability. Emphasis is placed upon precision of observation, measurement, and statement, and upon the application of the inductive-deductive method of scientific development, with the aim of making the study of chemistry of general educational value.

A Major in chemistry who intends to undertake graduate study in Chemistry should include in his program courses 24, 31, 32, 63, 64 and 65, together with German 13-14, Mathematics 21, 22, and Physics 13-14. This is in accord with the level of accomplishment recommended by the American Chemical Society. Course 81 or 82, giving some insight into the aims and methods of original research, is also desirable. For the courses in chemistry needed for premedical preparation, see page 41.

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

## Major Requirements

Chemistry 13, 14, 23, 25, 26, 28, two additional advanced courses, and 100. Physics 13-14.

The comprehensive examination will cover the general field of the chemistry courses listed above.

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

Candidates for Final Honors in Chemistry will pursue, during the Junior and

Senior years, a course of reading and conference in which histoy of chemistry, philosophy of science, and recent advances in chemistry are emphasized. The Honors program should be arranged with the Major Supervisor early in the Junior year.

12. ELEMENTARY CHEMISTRY—Four hours, including one laboratory period a week. Mr. Walter.

A study of the fundamentals of chemistry, the preparation, properties, and uses of the more common elements and their compounds, and the application of general principles of chemistry to industrial processes.

13, 14. INORGANIC CHEMISTRY—Four hours, including one laboratory period a week. Mr. Williams.

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

23. QUANTITATIVE ANALYSIS—Four hours, including two laboratory periods a week. Mr. Meldrum.

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

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

Lectures and conferences dealing with general methods for the quantitative determination of the elements and the analysis of industrial materials. The laboratory work includes the complete quantitative analysis of certain inorganic materials. Prerequisite: Chemistry 23.

25, 26. ORGANIC CHEMISTRY—Four hours, including one laboratory period a week. Mr. Jones and Mr. Meldrum.

A study of aliphatic, aromatic, and heterocyclic compounds. In the laboratory, experiments illustrating the synthesis and chemical properties of such substances are carried out. Perequisite: *Chemistry 14.* Junior standing or consent of the instructor. Limited to forty students.

28. ELEMENTARY PHYSICAL CHEMISTRY—Mr. Cadbury.

The first course in a three-course sequence in physical chemistry. The topics covered, which are treated from the kinetic point of view and without the requirement of the calculus, include: Gases, liquids, solutions, transference numbers and electrolytic conductance, acid-base equilibria, adsorption and colloids. Prerequisite: Chemistry 23.

31, 32. PHYSICAL CHEMISTRY—Four hours, including one laboratory period a week. Mr. Cadbury and Mr. Williams.

A study of the general properties of matter, with application of the calculus and thermodynamics. The topics covered include: The First and Second Laws of thermodynamics and some of their consequences; heterogeneous equilibrium; homogeneous equilibrium, with a brief treatment of the Third Law, electromotive force and pH determination; ionic equilibria; introduction to statistical mechanics; reaction kinetics; photochemistry; catalysis. The laboratory work involves illustrative physico-chemical measurements. Prerequisite: Chemistry 28, Mathematics 21, 22, and Physics 13-14.

#### 61. ADVANCED INORGANIC CHEMISTRY-Mr. Jones.

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

63. ADVANCED ORGANIC CHEMISTRY—Four hours, including two laboratory periods a week. Mr. Walter.

A study of the principles involved in qualitative organic analysis and the application of electronic theories to selected chemical systems. The laboratory work involves the identification of organic substances by classification reactions and by the preparation of derivatives. Prerequisite: *Chemistry 26*; Senior standing or consent of the instructor.

64. ORGANIC SYNTHESIS—Four hours, including two laboratory periods a week.

Mr. Walter.

A study of stereochemistry, organo-metallic compounds, rearrangements, unsaturated systems, and special preparative reactions of organic chemistry with emphasis upon general reaction mechanisms. Syntheses of an advanced nature constitute the laboratory work. Prerequisite: Chemistry 63; Senior standing or consent of the instructor.

65. QUANTITATIVE ANALYTICAL METHODS—Four hours, including two laboratory periods a week. Mr. Walter.

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.

#### 81 and 82. CHEMICAL RESEARCH-Staff.

Open only to Seniors and to Graduate students in chemistry. May be elected as one or more courses. Prerequisite: Chemistry 26 and 28. May be taken in either semester with the consent of the instructor; may be repeated for credit with change of content.

#### 83 and 84. SPECIAL TOPICS IN THEORETICAL CHEMISTRY-Staff.

Open only to Seniors and to Graduate students in chemistry. May be taken in either semester; may be repeated for credit with change of content. Semester courses.

## **Economics**

THE WORK in Economics is intended primarily to develop in 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 lay the basis for the formation of intelligent judgments in the field of economic policy. The introductory courses are designed to give the basic understanding of economic processes and of economic organization that should be part of a liberal education. The advanced courses also are offered as part of a program of liberal education, but are designed to meet, at the same time, the needs of men going on to graduate work in economics or business administration or directly into business. Several of the advanced courses should be of special value to men planning to enter the foreign service, other government work, journalism, or law. In the advanced courses emphasis is placed on the use of source materials and on research methods in economics, and students gain experience in the preparation of analyses and reports.

In Economics 71, 72 and 74 there is wide latitude with respect both to subject matter and to course method. The specific subjects in each will vary from year to year, depending on the interests and capacities of the students.

Men expecting to major in Economics are advised to take Social Science 11-12 in the Freshman year. It will also be helpful to take Mathematics 11 and 14.

## Major Requirements

Economics 21, 22, 31, 37, 52, 100; one of the three courses: 71, 72, 74; and two other semester courses in Economics. Mathematics 14 (Introduction to Statistics) may be considered as one such semester course. Economics 100 consists of a reintegration of the study of economics with related social sciences, through selected readings on the development of economic thought and on current problems, with informal discussion of the issues raised.

Social Science 11-12 and two other approved semester courses in the social sciences, mathematics, or psychology.

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

 ECONOMIC GROWTH AND WELFARE IN A FREE SOCIETY—Mr. Teaf and Mr. Baratz. A study of the main features of modern economic life in the United States, including the resource base and technological setting, the institutions, organization, and functioning of capitalism, and alternative economic systems. The course is aimed at providing students with an understanding of such current economic problems as inflation, unemployment, the banking system and the public debt, and the scope and nature of government action in the economic sphere. Prerequisite: Social Science 11-12.

#### 22. THE PRICE SYSTEM IN OPERATION-Mr. Hunter and Mr. Baratz.

A study of the manner and extent to which the basic economic questions of what is to be produced, how it is to be produced, and for whom it is to be produced are solved by the pricing system. Special emphasis is placed on current operation of the price system in agriculture, industry, public utilities, and international trade; on control of prices through monopoly or government action; and on how these basic economic problems are solved under economic systems different from that of the United States. Prerequisite: Social Science 11-12 and Economics 21 or permission of the instructor.

Economics 21 and 22 are designated as a year course; together they present the basic elements for an understanding of current economic problems. Students who are planning further work in economics or other social sciences are encouraged to take both semesters.

#### 31. MONEY, BANKING, AND ECONOMIC STABILITY-Mr. Hunter.

A study of the theoretical framework necessary for understanding economic instability and of the monetary means available in the United States for the promotion of a stable level of activity. The course is divided into five central parts; an analysis of the circular flow of payments and the determination of the level of income, with special reference to the role of money; money and banking processes and determinants of the money supply as a basis for policy; Federal Reserve and debt management policy; the meshing of national monetary systems; and monetary panaceas and monetary reform. Emphasis is placed on the application of theory to understanding past events and to forecasting the future.

Prerequisite: Economics 21.

- POPULATION POLICIES AND PROBLEMS—Mr. Reid. (See Sociology 33.)
- 34. SOCIAL INSURANCE AND PUBLIC WELFARE—Mr. Somers. (See *Political Science 34*.)
- LABOR ECONOMICS AND LABOR RELATIONS—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* and 22 or permission of instructor.

#### 37b. ACCOUNTING-Mr. Teaf.

A study of the fundamentals of accounting and their application to current economic problems and issues of public policy. The course is divided into four parts: elementary theory and the methods of accumulating and reporting accounting data; problems of accounting measurement in a dynamic economy when prices are changing; the uses of accounting data in managerial decision-making; and the uses of accounting data by those outside the firm, including an introduction to national income, input-output, and money flows accounting. Prerequisite: Economics 21 and Economics 22 or permission of instructor.

#### 38. THE CORPORATION-Mr. Hunter.

An analysis of the economic and legal organization of modern corporations; their relation to security holders and securities markets; statutory regulation of their financial activities; economic aspects of internal decision-making problems; and evaluation of their impact on modern society. Prerequiste: *Economics* 37.

Not offered in 1956-57; see Economics 74a.

## 39. GOVERNMENT AND BUSINESS-Mr. Baratz.

(Also called Political Science 39.)

An analysis of industrial market organization and government regulation of market practices. The history of anti-trust policy is reviewed and selected recent cases are discussed. Other topics include trade associations, cartels, basing-point pricing, and governmental price control. Opposing views on proper public policy are discussed and evaluated. Prerequisite: *Economics 22*.

#### 41-42. THE SOVIET SYSTEM-Mr. Hunter.

(Also called Political Science 41-42.)

An analysis of the structure and functioning of major Soviet economic, political, and social institutions. Current arrangements are studied as products of historical development; attention is given to trends and prospects. The topics examined include: the background of the 1917 Revolutions, the rise of Stalin and evolution of total government; forced industrialization and collectivization of agriculture; the development of Soviet social organization; factors explaining Soviet survival in World War II; the main features of postwar recovery and expansion; an inventory of Soviet strengths and weaknesses. Prerequisite: One year of Economics, Political Science or Sociology.

# 52. GOVERNMENT FINANCE—Mr. Baratz. (Also called *Political Science* 52.)

An analysis of major issues in the field of government revenues and expenditures. Topics considered include standards for government expenditures, principles of equity in taxation, use of the budget to stabilize economic activity, political and economic problems in the implementation of public policy. Prerequisite: *Economics 21, 22.* 

# 53, 54. INTERNATIONAL RELATIONS: ECONOMIC AND POLITICAL— Mr. Hunter (53) and Mr. Reitzel (54).

(See Political Science 53, 54.)

An examination of the major factors which condition international relations, with special emphasis on political and economic aspects. Political Science 53 and 54 are designed as a year course; together they present the basic elements for an understanding of current international problems. The first semester's work focuses on certain basic elements: physical and human resources, fundamental economic and political concepts (e.g., trade, investment, nationalism, and imperialism) and some analysis of the interaction of these factors prior to World War II.

Against this background, the second semester is devoted to an analysis of major international developments since World War II. This study deals with selected functional problems—e.g., economic development, commercial policy, and the settlement of disputes—and area problems, especially those affecting Europe and Asia. This is followed by individual or group projects.

Prerequisite: Economics 22 and Political Science 22.

#### 71. PROBLEMS OF DOMESTIC STABILITY AND GROWTH-Mr. Bell.

Advanced study of selected issues in domestic economic policy relating to forecasting and to fiscal and monetary measures for balancing the needs of growth, stability, flexibility, security, and freedom. Ordinarily this course will be held as a seminar, but, with the permission of the instructor, it may take the form of a reading course or a project course, for individual students or for the entire class. Prerequisite: *Economics 31* and 52.

Not offered in 1956-57.

#### 72. PROBLEMS OF THE INTERNATIONAL ECONOMY—Mr. Teaf.

Advanced study of current problems in international economic relations, such as trade and commercial policy, financial organization and the foreign exchanges, and international investment and economic development. Ordinarily this course will be held as a seminar, but, with the permission of the instructor, it may take the form of a reading course or a project course, for individual students or for the whole class. In 1956-57 the course will be a seminar on the economic growth of underdeveloped countries. Prerequisite: *Economics* 53, 54, or permission of the instructor.

#### 74a. PROBLEMS OF BUSINESS ORGANIZATION-Mr. Teaf.

Advanced study of the organization of modern complex societies for industrial production and commerce. Problems involving relationships within firms and among firms; issues raised by activities of labor organizations and of government. Students will have an opportunity to concentrate on one or more aspects of a very broad field, according to their interests. Ordinarily this course will be held as a seminar, but, with the permission of the instructor, it may take the form of a reading course or a project course for individual students or for the entire class. In 1956-57 the course will be a seminar on the corporation, with emphasis on organization and finance. Prerequisite: *Economics 37* or 39.

## 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.

## Major Requirements

Engineering 11, 12, 21, 22, 33, 34, 41, 42, 100, Engineering Seminar (a two-year, non-credit requirement), Mathematics 21, 22, Physics 13-14, and two half-year courses in Chemistry.

Courses in Mathematics, Physics and Chemistry will be considered preliminary courses as defined on page 39.

- 11. PRINCIPLES OF ENGINEERING DRAWING AND SHOP METHODS— Three laboratory periods a week. Mr. Hetzel and Mr. Wilson.
  - Two laboratory periods a week are devoted to instruction and practice in the methods and conventions of making engineering drawings and sketches. One period weekly is spent in the machine shop working principally on screw-cutting lathes. Two inspection trips. Text: Giesecke, Mitchell & Spencer, Technical Drawing, and Technical Drawing Problems.
- 12. ENGINEERING DRAWING, SURVEYING, AND SHOP METHODS—Three laboratory periods a week. Mr. Hetzel and Mr. Wilson.

Additional work on detail and assembly drawings; study of uniform and logarithmic graphs; solution of typical engineering problems and orientation discussion of the various branches of engineering. Occasional meeting with visiting engineers. Exercises in plane surveying during the last eight weeks in the spring. Machine-tool work on lathe, shaper and milling machine, one period weekly. Inspection trips. Text: Taylor, *Elementary Surveying*. Prerequisite: Engineering 11.

- 21. KINEMATICS OF MACHINES—One class period and two laboratory periods a week. Mr. Holmes.
  - Velocity analysis of mechanisms; cams, belts, chains, gears, etc. Inspection trips. Text: *Mechanism* by Keown and Faires, and Hall and Azpell, *Mechanism Problems*. Prerequisite: *Engineering 11* or consent of the instructor.
- 22. ANALYTICAL MECHANICS-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: Higdon and Stiles, Engineering Mechanics. Prerequisite or parallel course: Mathematics 21, 22.

33. ELEMENTS OF ELECTRICAL ENGINEERING—Four bours, including one laboratory period a week. Mr. Hetzel and Mr. Wilson.

Electrical and magnetic circuits, electrical measurements, theory and performance of direct-current machinery and distribution systems are studied by text assignments and problems, lecture and class discussion, and laboratory experiments. Prerequisite: Physics 13-14, Mathematics 21, 22.

34. ELEMENTS OF ELECTRICAL ENGINEERING—Four hours, including one laboratory period a week. Mr. Hetzel and Mr. Wilson.

This course deals with alternating-current circuits and machinery: single phase and polyphase circuits, transformers, generators, motors, transmission and distribution systems, instruments, control systems, and an introduction to electronics. Prerequisite: Engineering 33.

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

A study of stress and strain, beams and columns, shafting, girders, combined stresses, etc. Inspection trips. Text: Singer, Strength of Materials. Prerequisite: Mathematics 21, 22 and Engineering 22.

42. THERMODYNAMICS-Mr. Holmes.

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

63, 64. ELECTRONICS—(See Physics 63, 64.)

#### 81, 82. SPECIAL PROJECTS

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

The following fields of study are suggested:

FLUID MECHANICS. Mr. Holmes.

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

DESIGN OF MACHINE ELEMENTS. Mr. Holmes.

Prerequisite: Mathematics 21, 22, Engineering 22, 31.

Internal Combustion Engines. Mr. Hetzel. Prerequisite: *Physics* 13-14.

## English

THE ENGLISH DEPARTMENT offers the opportunity to study significant formulations of the human spirit in the English language, and to do critical and creative writing.

Many students who choose to major in English intend to pursue some aspect of the subject professionally: to proceed to graduate school, to teach literature, or to undertake a literary career. The program of the Department provides preliminary education for all these purposes. The study of English literature is recommended likewise to those students who wish to acquire a knowledge of their literary heritage, or to gain an acquaintance with the use of the English language, before entering a non-literary profession, such as law, government service, the ministry, medicine, or business. The Department welcomes such students.

English 11-12 is required of all Freshmen in the college; this course, or its equivalent, is a prerequisite to all further work in the Department. English 11-12 provides tutorial instruction in writing and an introduction to the study of literature.

Students who have difficulty in expressing themselves orally are recommended to take work in public speaking. The attention of slow readers is called to the remedial work in reading.

Courses 20, 21, 22, 25, 26, 29 and 37 are open to all students in the college who have met the prerequisites.

Other courses are designed primarily for students intending to major in, or already majoring in, English or closely related fields. They are open to other students only by permission of the instructor concerned. A central sequence of courses is arranged for students majoring in English. It consists of 23 (Renaissance) and 24 (Seventeenth Century) normally to be taken in the Sophomore year, and 31 (Eighteenth Century) and 32 (Nineteenth Century) normally to be taken in the Junior year. Courses numbered in the 60's are seminar courses, in most cases based on earlier work in the period; courses numbered in the 80's are devoted to individual projects, requiring a general knowledge of the field in which the project is undertaken.

## Major Requirements

For the class of 1957: Three semester courses from the following: Shakespeare (old 23 or new 33), Seventeenth Century (old 81 or new 24), Nineteenth Century (old 31 and 32 or new 32). Two semester courses from the following: General Course (41, 42), Humanities 21-22, Renaissance (old 34 or new 23), Twentieth Century (old 40, or new 35 or 36). Two courses numbered in the 60's (or one in the 60's and one in the 80's). English 100. Eight semester courses in all.

For the class of 1958: Three semester courses from the following: Renaissance (ola 34 or new 23), Seventeenth Century (old 81 or new 24), Eighteenth Century (old 35 or new 31), Nineteenth Century (old 31 and 32 or new 32). Two other English courses chosen in consultation with the chairman of the department. Two courses numbered in the 60's (or one in the 60's and one in 80's). English 100. Eight semester courses in all.

Beginning with the class of 1958, the Comprehensive Examination in English will require a knowledge of the four major periods of English literature as provided in the new courses 23, 24, 31 and 32. Supporting material may be chosen from Chaucer (64), Shakespeare (23 or 33), American literature (25 and 26) and Twentieth Century (35 and 36).

11-12. READING AND WRITING ON HUMAN VALUES. Messrs. Bluestone, Friedrich, Lester, Quinn, Rose, and Satterthwaite.

Tutorial instruction in writing. Readings in the Humanities, centered on values in Western Civilization. Weekly writing, based on reading program. Two class meetings and one tutorial meeting weekly.

- 20. THE ENGLISH BIBLE—Mr. Flight. (See *Biblical Literature 20*.)
- 21. GENERAL COURSE IN ENGLISH LITERATURE—Mr. Satterthwaite. Major figures in English Literature from Chaucer to Milton (including Shakespeare). Intended primarily for students who do not expect to major in literature.
- 22. GENERAL COURSE IN ENGLISH LITERATURE—Mr. Satterthwaite. Major figures in English Literature from Swift to Eliot. Intended primarily for students who do not expect to major in literature.
- 23. LITERATURE OF THE ENGLISH RENAISSANCE—Mr. Sargent. A critical study of poetry, prose and drama from Wyatt to Jonson, with brief attention to Shakespeare. The first in a sequence of period courses designed primarily for students intending to major in literature. Enrollment limited.
- 24. LITERATURE OF THE SEVENTEENTH CENTURY—Mr. Quinn. A study of English literature from the metaphysical poets to Dryden, including Milton. The second of the sequence designed primarily for those intending to major in literature. Enrollment limited.
- AMERICAN LITERATURE TO WHITMAN—Mr. Friedrich.
   Chiefly devoted to Poe, Hawthorne, Melville; Emerson, Thoreau, Whitman.
- 26. AMERICAN LITERATURE FROM WHITMAN TO DREISER—Mr. Friedrich. Chiefly devoted to Whitman, Dickinson, Melville; Mark Twain, Howells, James; Crane and Dreiser.

29. GREEK LITERATURE IN ENGLISH—Mr. Post. (See *Greek* 29.)

#### 31. LITERATURE OF THE EIGHTEENTH CENTURY—Mr. Bluestone.

A study of the major literary works of the neo-classic and early romantic movements, from Defoe to Wordsworth and Coleridge. Prerequisite: *English 24*, or consent of the instructor.

### 32. LITERATURE OF THE NINETEENTH CENTURY-Mr. Lester.

A study of major literary works of the later romantic and Victorian periods, from Byron to Hardy. Prerequisite: *English 31*, or consent of the instructor.

### 33. SHAKESPEARE-Mr. Sargent.

Extensive reading in Shakespeare's plays. Designed primarily for students majoring in literature. Prerequisite: *English 21, 22,* or 23, 24, or consent of the instructor. Enrollment limited.

#### 35. BRITISH LITERATURE OF THE TWENTIETH CENTURY—Mr. Rose.

Selected writers in poetry, prose and drama. Prerequisite: Two courses in *English* beyond 11-12.

Offered in 1956-57.

# 36. AMERICAN LITERATURE OF THE TWENTIETH CENTURY—Mr. Bluestone. Selected writers in poetry, prose and drama. Prerequisite: Two courses in *English* beyond 11-12.

#### 37. CREATIVE WRITING-Mr. Sargent.

Practice in writing imaginative literature. Chiefly confined to prose fiction. Regular assignments, class discussions and personal conferences. Prerequisite: Junior standing. May be repeated for credit.

## 61. SPECIAL TOPICS IN NINETEENTH-CENTURY LITERATURE—Mr. Lester.

Studies in the development of nineteenth-century thought as expressed in English literature. Seminar reports and discussions; each student submits three critical essays. Prerequisite: English 32 and consent of the instructor. Seminar. Limited to nine students. Priority to Senior English majors.

#### 62. TOPICS IN SHAKESPEARE-Mr. Sargent.

Close study of a few plays. Seminar. Prerequisite: English 33 (or old 23 or old 34), or consent of the instructor. Priority to Senior English majors.

### 64. CHAUCER AND THE CHAUCERIANS-Mr. Quinn.

A study of the *Canterbury Tales, Troilus and Criseyde,* Chaucer's prose, and the work of Henryson and Dunbar. Prerequisite: Senior standing and consent of the instructor. Seminar. Limited to nine students. Offered in 1956-57.

#### 81. PROJECTS IN AMERICAN LITERATURE—Mr. Friedrich.

Chiefly devoted to American Literature of the Eighteenth and Nineteenth centuries. Students must draw up their projects in consultation with the instructor. Recommended for students who are candidates for Final Honors. Prerequisite: *English* 25, 26 or 36, or consent of the instructor. Limited to nine students. Priority to Senior English majors.

# 82. PROJECTS IN RENAISSANCE OR CONTEMPORARY LITERATURE—Mr. Sargent.

Projects may be undertaken in the literature of Shakespeare's Age, or in modern British or American literature, but they must be drawn up in consultation with the instructor. Recommended for students who are candidates for Final Honors. Prerequisite: One of the following: English 23, 33, 35, 36 (or old 34 or 40), or consent of the instructor. Limited to nine students. Priority to Senior English majors.

## General Courses

HUMANITIES 21-22. INTERPRETATION OF LIFE IN WESTERN LITERATURE
—Mr. Gutwirth, Mr. Shaw and Mr. Rose.

Study in their entirety of selected literary works which are great imaginative presentations of attitudes toward life. The course spans Western culture from Homer to the present, and the readings are drawn from all the major literatures of the West, in the best available translations. Stress is laid on student involvement in issues raised by these books; consequently, the class work is handled entirely by the discussion method. Prerequisite: English 11-12; Sophomore standing.

PHYSICAL SCIENCE 11, 12. GENERAL PHYSICAL SCIENCE—Four hours, including one laboratory period a week. Mr. Green.

This course is concerned with the nature and presuppositions of scientific method, the status of present-day physical science, and the relationship of science to the rest of our culture. In the first semester it tries to illuminate these subjects by a study of some aspects of the development of our knowledge of the planetary system, mechanics, the nature of light, and the theory of relativity. In the second semester attention is directed to fundamental chemistry, electricity, the rise of the quantum theory of matter, and nuclear structure.

Not offered in 1956-57.

SOCIAL SCIENCE 11-12. TWENTIETH CENTURY BACKGROUNDS—Messrs. Reitzel, Baratz, Coelho, Gordon and Muller.

The purpose of this course is to introduce students to the main elements of Twentieth Century world culture, concentrating in the last quarter of the year on American society as a special form. The emphasis in the first semester is broadly historical, in the second analytical. Lectures, reading, papers, and discussion groups. Social Science 11-12 is a prerequisite for all courses in Economics, Political Science, Psychology, and Sociology.

## German

THE MAIN OBJECTIVE of the German courses is twofold: 1) the acquisition of the language; 2) the study of the literature and 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 undergraduate and post-graduate research, for which in many fields it is indispensable. An appreciation of German literature from the Middle Ages to the Contemporary Period is offered in a relatively wide range of courses.

German 11-12, 13-14, and 24 are primarily language courses. German 15 stresses literature, but combines this with practice in the language. The

remaining courses are devoted largely to the history of German literature from the earliest times to the present, and to the intensive study of special periods and eminent authors.

The collateral reading required in German 13-14 generally consists of works of literature but it may be done in the fields of philosophy or history or, at the discretion of the instructor, in the natural sciences.

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.

It is possible and in some cases highly desirable for a Major in German or a student otherwise interested in advanced work to take his Junior year abroad in a supervised Junior year program. Attention also is called to the opportunities offered by university summer schools in Germany, Austria and Switzerland, and to international seminars and work camps sponsored by the American Friends Service Committee and other organizations in these countries.

## Major Requirements

German 21-22, 24, 31, 33, 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, 800-1945; and 5. A special period, literary movement, or author.

#### 11-12. ELEMENTARY GERMAN-Mr. Pfund and Mr. Cary.

Grammar, conversation and the reading of simple texts.

#### 13-14. INTERMEDIATE GERMAN—Mr. Pfund and Mr. Cary.

Texts of moderate difficulty but of value as literature or as contributions to the history of ideas are read both in class and as outside work. The ability to understand spoken German and to engage in simple conversation is stressed. One hour a week is devoted to grammar review and composition. Prerequisite: German 11-12 or the equivalent.

#### 15. INTRODUCTION TO GERMAN LITERATURE—Mr. Cary.

A selection of readings in German literature from the age of Goethe to the contemporary period. One hour a week is devoted to composition and conversation based on the reading and on various phases of German culture. Prerequisite: German 13-14 or the equivalent.

#### 21-22. LESSING, GOETHE, SCHILLER-Mr. Kelly.

Prerequisite: German 15 or the equivalent. Seminar. Not offered in 1956-57.

#### 24. ADVANCED COMPOSITION AND CONVERSATION-Mr. Pfund.

The acquisition of an idiomatic command of the language in writing and speaking is stressed. Works of contemporary writers such as Thomas Mann, Hesse, Kafka, Wiechert and Bergengruen form the basis of discussion. Prerequisite: German 15 or the equivalent.

Offered in 1956-57.

#### 31. GERMAN ROMANTICISM-Mr. Cary.

A study of the Romantic movement in Germany and its relations to English and French Romanticism. Prerequisite: *German 15* or the equivalent. Seminar in part. Offered in 1956-57.

#### 32. NINETEENTH CENTURY LITERATURE-Mr. Cary.

Dramas and Novellen by selected writers from Büchner to Hauptmann. Prerequisite: German 15 or the equivalent.

Offered in 1956-57.

# 33. HISTORY OF GERMAN LITERATURE FROM ITS ORIGINS TO THE SEVENTEENTH CENTURY—Mr. Pfund.

Lectures in German, with collateral reading in modern German of the *Nibelungenlied*, Hartmann von Aue, Wolfram von Eschenbach, Gottfried von Strassburg, and others. Discussion, written and oral reports. Prerequisite: *German 15* or the equivalent.

Offered in 1957-58.

#### 36. GERMAN LYRIC POETRY-Mr. Pfund.

Lyricists from Walther von der Vogelweide to contemporary poets are read and discussed with emphasis on Goethe, Hölderlin, the Romanticists, Mörike, George, Hofmannsthal and Rilke. Prerequisite: At least one course beyond *German 15*. Not offered in 1956-57.

#### 37. FAUST-Mr. Pfund.

An intensive study of Goethe's Faust in the original. Consideration is given to kindred works in European literature. Prerequisite: At least one course beyond German 15.

Offered in 1956-57.

#### 38. MODERN GERMAN LITERATURE-Mr. Maass.

A critical analysis and aesthetic evaluation of representative works of Thomas Mann, Kafka, Rilke, Werfel and others. Lectures, discussions and one term paper. The course will be conducted in English. Admission by permission of the instructor or the Chairman of the Department.

#### 81 or 82. Mr. Pfund and Mr. Cary.

Individual work in various fields of German culture, such as literary theory, Baroque literature and contemporary literature. Prerequisite: At least one course beyond *German 15*. May be repeated for credit with change of content.

## 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 .-- Mr. Post.

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

#### 21, 22. INTERMEDIATE GREEK-Mr. Post.

A rapid reading course in such authors as Homer, Euripides and Plato. Prerequisite: Greek 11-12 or the equivalent.

# 29. GREEK LITERATURE IN ENGLISH—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.

Not offered in 1956-57.

#### 31, 32. ADVANCED GREEK-Mr. Post.

Selections from Thucydides, Menander, Aristophanes, and the tragedians are read. Prerequisite: Greek 21, 22.

#### 61, 62. ADVANCED GREEK-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*.

## 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. An attempt is made to give a reasonably rounded view of those developments which are deemed most important in the period under consideration as a background for understanding other subjects in the fields of the humanities and the social sciences. With a variation of emphasis in each course, caused in part by the nature of the growth of civilization in the period and in part by the amount and the kind of historical evidence which has survived, 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, and, although it is not a prerequisite for the election of any other course in the Department, it is required for those who major in History.

The study of history provides a background against which current problems of internal and external policies may be viewed to advantage. It also helps to develop critical standards for the evaluation of evidence which can often be applied in forming opinion with regard to the solution of such problems. Finally, it is useful as a foundation for professional studies not only in history but also in such subjects as public administration, journalism, and law.

## Major Requirements

#### HISTORY

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

Two full year courses or their equivalent in related departments.

Written examinations of three hours each in four fields.

#### HISTORY AND LITERATURE

The major in History and Literature allows qualified students to obtain a knowledge of the relation between History and Literature in two distinct periods or centuries.

A student should take six semester courses in English and American Literature, and six in English and American History above the elementary level. Of these courses, one in each department (History and English) should be a seminar or project course.

Students may enter this major program only by consent of the departmental chairmen and the Dean. History 11-12 is a prerequisite for this major.

#### 11-12. INTRODUCTION TO WESTERN CIVILIZATION—Mr. Hecht.

A study of Western European civilization from the fall of Rome to the present. The course will be concerned with the development of major political, social, and economic institutions from feudalism to the modern state, with the history of Latin Christianity in its various forms, and with the major intellectual currents in Western European history. Firsthand materials as well as secondary historical accounts will be the basis for conference discussion. Open to Freshmen and Sophomores.

#### 21-22. FOUNDATIONS OF THE UNITED STATES, 1492-1865-Mr. Drake.

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

#### 23-24. MEDIEVAL HISTORY-Mr. MacCaffrey.

A survey of European development from the fall of Rome to about 1500. Occasional lectures, extensive reading, papers and discussion, with a final examination. Admission by permission of instructor.

To be offered in 1957-58 and alternate years.

#### 25-26. MODERN EUROPEAN HISTORY-Mr. Hecht.

The main currents of European institutional and intellectual developments since about 1500. Class discussion with occasional lectures, frequent papers. Admission by permission of instructor.

Offered in 1956-57 and alternate years.

#### GREEK HISTORY—Mr. H. 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.

To be offered in 1957-58 and alternate years.

#### 28. ANCIENT HISTORY OF THE NEAR EAST-Mr. Flight.

(See Biblical Literature 28.)

29-30. ROMAN HISTORY—Mr. H. Comfort. (See Latin 29-30.)

31-32. NATIONAL DEVELOPMENT OF THE UNITED STATES, 1865 TO THE PRESENT—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.

33-34. THE POLITICAL AND CONSTITUTIONAL HISTORY OF MEDIEVAL ENGLAND—Mr. MacCaffrey.

A survey of British historical development from the coming of the Anglo-Saxons to the end of the Middle Ages. Although primarily political and constitutional, the course will include consideration of major economic and social trends as well. Extensive reading both in sources and secondary works will form the basis for conference discussion. Open to Juniors and Seniors.

To be offered in 1958-59 and alternate years.

35-36. THE POLITICAL AND CONSTITUTIONAL HISTORY OF MODERN BRITAIN—Mr. MacCaffrey.

A study of British history from the end of the Middle Ages to the present. Economic, social, and intellectual development will be included. The development of the British Empire since 1783 will also be included. Extensive reading with frequent papers and class discussion. Open to Juniors and Seniors.

To be offered in 1957-58 and alternate years.

41-42. READING COURSE IN AMERICAN HISTORY, 1492 TO THE PRESENT—Mr. Drake.

Systematic reading and an examination in American History. Not open to students who have had History 21-22 or History 31-32; open to Juniors and Seniors with the permission of the instructor.

81, 82. PROJECT COURSES IN HISTORY-Mr. Drake and Mr. Hecht.

## 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.

21-22. INTRODUCTION TO THE HISTORY OF ART—Mr. Bernheimer and Mrs. Martin.

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.

## Latin

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

Principal emphasis is laid upon meeting the Roman legacy through the medium of the Latin language; but for those whose knowledge of Latin is too limited for this purpose, Latin 29-30 offers an opportunity to do so from the historical approach.

## Major Requirements

Four full-year courses (except Latin 11-12), some of which may be taken at Bryn Mawr College; Latin 100. The Latin Department reserves the right to exclude Latin 13-14, in individual cases, from consideration as fulfilling a part of the Major requirements.

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

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

#### 11-12. ELEMENTARY LATIN-Mr. H. Comfort.

A rapid introduction to basic Latin grammar and vocabulary, leading to the reading of Carullus or some other classic Latin author.

Offered annually upon sufficient demand.

#### 13-14. LATIN LITERATURE-Mr. H. Comfort.

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

#### 15, 16. LATIN LITERATURE-Mr. H. 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.

#### 23, 24. INDIVIDUAL TOPICS IN LATIN LITERATURE—Mr. H. 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 annually, either semester.

## 29-30. ROMAN HISTORY-Mr. H. Comfort.

(Also called History 29-30.)

A survey of Hellenistic and Roman history, with readings among the Latin authors in translation, and occasional reports. No knowledge of the Latin language is required. Prerequisite: Sophomore standing.

To be offered in 1956-57 and in alternate years.

## **Mathematics**

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

Freshman Mathematics emphasizes mathematical ideas rather than techniques of computation. It is designed as a terminal course for the non-specialist who plans to take only one year of Mathematics as well as the beginning course prerequisite to further work in the Department.

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

The sequence in analysis and algebra, Mathematics 21, 22, 31, 32, 33, 34,

63, is especially suited to the needs of the physical sciences, while Mathematics 14 and 38 deal with those concepts of statistics and probability which are fundamental to the biological and social sciences.

## Major Requirements

Mathematics 11, 16, 21, 22, 31, 32, 33, 34, 35, 40, 63, 82 and 100.

Recommended collateral courses are Physics 13-14, 32, 41, 42; Astronomy 45, 46, or for prospective Actuaries, Economics 21-22, 37.

Prescribed parallel reading on the history and general principles of mathematics. Three written comprehensive examinations, each three hours in length. An oral examination will be required for Final Honors.

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

### 11, 12. FRESHMAN MATHEMATICS-Mr. James, Mr. Oakley and Mr. Wisner.

An introductory course designed to present the fundamental concepts of modern Mathematics and to give numerous applications of these concepts to practical problems in the natural and social sciences. Topics included are: logic and the nature of mathematical proof, the number system, trigonometry, functions and graphs, plane analytic geometry, and elementary calculus. Students will be placed in sections according to their mathematical background and interests.

#### 14. INTRODUCTION TO STATISTICS-Mr. Oakley and Mr. Wisner.

Tabular and graphic methods, frequency distributions, measures of central tendency, dispersion and correlation, tests of significance, index numbers and time series. Lectures and computing laboratory. Prerequisite: Mathematics 11.

16. FRESHMAN MATHEMATICS—Mr. James, Mr. Oakley and Mr. Wisner. An introductory course which presents a more extensive treatment of elementary calculus than that given in Mathematics 12. Prerequisite: Mathematics 11 and consent of the instructor.

#### 21, 22. CALCULUS-Mr. James and Mr. Oakley.

Differential and integral calculus, with applications. Prerequisite: Mathematics 16 or consent of the instructor.

#### 31. DIFFERENTIAL EQUATIONS—Mr. Oakley

Methods of solution of the standard types of ordinary differential equations with applications to problems in physical science. Prerequisite: *Mathematics 21*, 22.

#### 32. ADVANCED CALCULUS—Mr. James.

Advanced topics in calculus, including infinite series, special functions, partial derivatives, Jacobians, line integrals, and Stokes' Theorem. Prerequisite: Mathematics 21, 22.

#### 33. MODERN ALGEBRA-Mr. Wisner.

Introduction to modern abstract algebra, including groups, rings, fields, and vector spaces. Prerequisite: Mathematics 21, 22.

Offered in 1956-57 and alternate years.

#### 34. MODERN ALGEBRA-Mr. Wisner.

Modern abstract algebra, including linear transformation and matrix theory. Prerequisite: Mathematics 21, 22, 33.

Offered in 1956-57 and alternate years.

#### 35. GEOMETRY-Mr. Wisner.

Elementary topology, n-dimensional vector spaces and linear transformations, non-Euclidean geometry. Prerequisite: *Mathematics 21, 22.* 

Offered in 1957-58 and alternate years.

#### 38. MATHEMATICAL STATISTICS—Mr. Oakley.

Theoretical presentation of the mathematical background of elementary statistics and probability. Prerequisite: Mathematics 21, 22, 14.

Offered in 1956-57 and alternate years.

#### 40. GEOMETRY-Mr. Wisner.

Affine, projective and Euclidean geometries and their postulational development. Prerequisite: *Mathematics 21, 22, 35*.

Offered in 1957-58 and alternate years.

#### BOUNDARY VALUE PROBLEMS OF MATHEMATICAL PHYSICS — Mr. Green.

(Also called Physics 41)

Expansions in orthogonal functions, perturbation theory, calculus of variations, and integral transforms are employed to solve boundary value problems in heat conduction, acoustics, optics, and electromagnetic theory. Prerequisite: *Mathematics 31; Physics 13-14*.

Not offered in 1956-57.

# 42. CLASSICAL FIELD PROBLEMS OF MATHEMATICAL PHYSICS—Mr. Green. (Also called *Physics 42*).

Vector and tensor methods and the elementary theory of complex variables are employed to study problems in hydrodynamics and elasticity. An introduction to magnetohydrodynamics is included. Prerequisite: *Mathematics 31; Physics 13-14.* 

Not offered in 1956-57.

#### 63. INTRODUCTION TO ANALYSIS-Mr. James.

Rigorous treatment of fundamental ideas in analysis; real and complex numbers, functions, limits, continuity, differentiation, and integration. Applications to Fourier Series and differential equations. Prerequisite: Mathematics 31, 32.

81 or 82. SPECIAL TOPICS-Philips' visitors and members of the Department.

Project courses 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 an understanding of music through the study of history and important writings on musical subjects, as well as through the analysis of musical compositions from all periods. In furthering and strengthening the discipline of music the College has no intention of training musicians by conservatory methods. The intention is rather to form enlightened workers in the field of music. Experience has shown that students in the fields of composition and musicology can be effectively aided by the joint offerings of Haverford, Bryn Mawr, and the University of Pennsylvania. At Haverford the program seeks to stimulate free composition in the vocal and instrumental forms with a view to public performance by professionals of successfully completed works.

The College does not grant academic credit for training in voice, or the playing of instruments.

## Major Requirements

Three full year courses in music and six semester courses or their equivalent from such related fields of the Humanities, History of Art, Languages and Science as may be approved by the Department.

The Major comprehensive examination will consist of:

- 1. An examination in the history of music.
- 2. The presentation by the candidate of a musical composition in one of the larger instrumental forms, or a vocal work. In cases where the candidate has not been sufficiently trained in musical composition, the examination may be confined to music history. In such cases the candidate's work is expected to be at a high musicological level.
- 3. A small composition to be completed during the examination period.

#### 11-12. ELEMENTARY MUSIC THEORY-Mr. Reese.

This course deals with the general foundations of the musical language—scales, intervals, rhythm, formation of melodic patterns and their notation—and includes elementary chord formation (introduction to harmony). Ear training is an important adjunct throughout the course.

# 21-22. ADVANCED HARMONY AND COUNTERPOINT—Mr. Slonimsky and Mr. Swan.

No sharp line is drawn between harmony and counterpoint. Students will be free to select the method of harmonization, provided they can show a knowledge of both vertical and horizontal construction. Starting with exercises in two- and three-part writing the student will proceed to the composition of short pieces, scoring them for strings or voices. (A piano exposition is also permissible.) The work is done individually, the class periods being used for the discussion of common problems. Prerequisite: Music 11-12, or its equivalent.

25. HISTORY OF MUSIC-Mr. Slonimsky.

The history of music from 1700 to the present. No prerequisite.

31-32. SEMINAR IN MODERN MUSIC-Mr. Slonimsky and Mr. Swan.

This seminar is conducted jointly with Swarthmore College. Historical forms of music, such as the sonata, are projected from their beginnings into Modern Music, and their use by contemporary composers illustrated. Whenever possible the students are encouraged to tackle source material and present reports on figures and works of the 20th century.

82. PROJECT IN MUSICAL COMPOSITION-Mr. Swan.

## Philosophy

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

In the second place the courses in philosophy are designed to assist in integrating material presented in literature, history, the social and physical sciences, in art, and in religion in order to assist the student in drawing together what he has learned, and in approaching a more responsible, intentional, and intelligent world view with which to confront life.

The courses are so planned as to require such orientation as would be secured in either Philosophy 11 (which examines in an elementary way the

great problems man confronts) or Philosophy 21-22 (which deals with these same problems as it presents the great classical philosophical thinkers chronologically) before proceeding to the more specialized philosophical disciplines such as ethics, aesthetics, logic, political philosophy, philosophy of science, philosophy of religion, and to more specialized studies of certain philosophical thinkers.

## Major Requirements

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

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

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

- 11. INTRODUCTION TO PHILOSOPHY—Mr. Steere, Mr. Foss and Mr. Parker. An understanding of the nature and function of philosophy and its relations to other fundamental human interests such as science, religion, and art is sought through a consideration of representative philosophical problems.
- 12. ETHICS-Mr. Foss and Mr. Parker

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

#### 21-22. HISTORY OF PHILOSOPHY-Mr. Foss and Mr. Parker.

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

#### 23. CLASSICS OF RELIGIOUS LITERATURE—Mr. Steere.

A study which will include such books as Augustine, Confessions; Bernard of Clairvaux, On Consideration; Meister Eckhart, Sermons; Little Flowers of St. Francis of Assisi; Thomas à Kempis, Imitation of Christ; Theologica Germanica; Francis de Sales, Introduction to the Devout Life; Pascal, Thoughts; John Woolman, Journal; Soren Kierkegaard, Purity of Heart; Von Hügel, Letters; George Tyrell, Autobiography.

Offered in 1956-57.

#### 24. HISTORY AND PHILOSOPHY OF QUAKERISM—Mr. H. J. Cadbury.

The Quaker Movement is studied in its relation to other intellectual and religious movements of its time, particularly those found in English philosophy. The

development of the dominant Quaker conceptions is traced to the present day and critically examined. The course is designed for non-Friends as well as for Friends. Not open to Freshmen.

Offered in 1956-57.

#### 26. AESTHETICS-Mr. Foss.

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

Offered in 1956-57.

#### 27. LOGIC-Mr. Parker.

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

#### 28. PHILOSOPHY OF RELIGION-Mr. Foss.

A study of the basic problems which the field of religion presents to a thoughtful mind. Prerequisite: One semester-course in philosophy. Not open to Freshmen. Prerequisite: *Philosophy 11* or 21-22.

Not offered in 1956-57

### SOME ASPECTS OF RELIGIOUS LIFE AND LITERATURE SINCE THE REFORMATION—Mr. Steere.

Luther and German Protestantism; Thomas More and the Erasmus Tradition in England; Ignatius of Loyola and the Society of Jesus; Theresa of Avila and Spanish Mysticism; Lancelot Andrews and 17th Century Anglican Piety; Isaac Penington and the corporate mysticism of the Quakers; John Wesley and the Evangelical Revival; John Frederic Oberlin and the rural apostolate; John Henry Newman and the Oxford Movement; Albert Schweitzer as critic of contemporary civilization; William Temple and the ecumenical movement; Evelyn Underhill and "Life of the Spirit in the Life of Today"; Rufus M. Jones and the religious situation of our time. Lectures, reports, class discussions.

Not offered in 1956-57.

#### 32. NINETEENTH CENTURY THINKERS-Mr. Steere.

Selected writings of Schopenhauer, Nietzsche, Tolstoy, and Bergson. Prerequisite: *Philosophy 11* or 21-22.

Offered in 1956-57.

#### 33. PHILOSOPHY OF SCIENCE.

Designed mainly for science Majors. A study of the development of scientific thought, the nature of scientific knowledge and methods, and the mutual influence of science and society. Prerequisite: Two years of natural science, and Philosophy 11 or 21-22 or 27, or consent of the instructor.

Not offered in 1956-57.

#### 34. RECENT AND CONTEMPORARY PHILOSOPHY-Mr. Parker.

A study of some of the outstanding recent and contemporary philosophical movements in Europe and America. Prerequisite: *Philosophy 21-22*.

Offered in 1956-57.

#### 63-64. PHILOSOPHICAL SEMINAR-Mr. Steere and Mr. Foss.

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

#### 65-66. THE DEVELOPMENT OF POLITICAL THOUGHT-Mr. Steere.

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

Not offered in 1956-57

81, 82. PROJECT COURSES—Individual consultation; supervised independent reading and research. Mr. Steere, Mr. Foss and Mr. Parker.

# 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. Each student is required to take, during his first three years, nine terms (fall, winter, spring) of Physical Education or of certain courses in the Arts and Service Program (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. Only those students whose physical condition is satisfactory will be permitted to take part in athletics. 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.

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 thirteen tennis courts, three of which are all-weather. There are two dinghies available during the spring and fall for those (with certain exceptions) 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 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, coaches and officials, and rooms for the administration of medical and physical examinations.

## **Physics**

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

Students of astronomy, experimental biology, chemistry, engineering, mathematics, medicine, physics or other sciences will find the foundation offered by General Physics (Physics 13-14) of great value. Physics 13-14 is ordinarily taken in the Sophomore year after Mathematics 11-12, but Freshmen with adequate preparation may be admitted after consultation. Students who plan to major in Physics are advised to take Physics 13-14 in their Freshman year.

For the student with professional aims in science, the Department offers courses leading to a Major in Physics which should equip a man to enter graduate school or industry on a favorable footing. Sound knowledge of mathematics is essential. Ability to understand and use the calculus is assumed in most of the advanced courses. The Department desires to cultivate in its Major students independence of thought and initiative at progressive levels of maturity; to that end, a sequence of courses following Physics 13-14 has been arranged, culminating in Physics 81, 82. The latter offers opportunity

to conduct an extended individual investigation with training in the mastery of theory and experiment, and with emphasis upon independence and the ability to express oneself clearly both orally and in writing on the subject of investigation. Physics 81, 82 is not, however, limited to students majoring in Physics; it may be elected by others after consultation.

## Major Requirements

Physics 13-14, 21, 28, 33-34, 81, 82, 100 and two other semester courses in Physics.

Mathematics through differential equations.

History of physics (collateral reading) in course 100.

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

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

13-14. GENERAL PHYSICS—Four hours, including one laboratory period a week.

Mr. Lemonick and Mr. Benham.

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 after consultation. Algebra and trigonometry are essential and the methods of calculus are frequently employed. Prerequisite: Mathematics 11, 12 or 16, or consent of the instructor.

- 21. ATOMIC AND NUCLEAR PHYSICS—Mr. Hurlimann and Mr. Lemonick.

  A course of lectures, experiments, discussion and reading emphasizing developments in modern physics: electrons, ions, kinetic theory of gases, optical and x-ray spectroscopy and other atomic phenomena. In addition nuclear phenomena will be discussed: the stable nucleus, the unstable nucleus, nuclear models, nuclear reactions, machines and detectors of nuclear physics, nuclear energy. Prerequisite: Physics 13-14.
- 25. PHYSICAL OPTICS AND ATOMIC SPECTRA. Four hours, including one laboratory period a week. Mr. Lemonick.

A study of the principles of physical optics illustrated by such phenomenon as interference, diffraction and polarization, and including an introduction to Maxwell's Equations. Also a treatment of spectroscopy, the study which furnishes information as to structure of atoms.

Not offered in 1956-57.

#### 28. MECHANICS-Mr. Lemonick.

Analytical mechanics, treating the statics, kinematics, and dynamics of particles and rigid bodies. Discussion and problems on the application of calculus, differential equations and vector methods to mechanical systems, including an introduction to Lagrange's equations. Prerequisite: *Physics 13-14; Mathematics 21, 22* must be taken previously or concurrently.

33-34. ELECTRICITY AND MAGNETISM—Four hours, including one laboratory period a week. Mr. Benham.

A course of lectures, readings, and laboratory experiments designed to familiarize the student with precision electrical measurements. Solutions of electrostatic problems, Gauss's theorem, potential, capacitance, magnetic circuits, transient and alternating current, and the laws of the electromagnetic field, are among the topics treated. Prerequisite: Physics 13-14 and Mathematics 21, 22; Mathematics 31 must be taken previously or concurrently.

41. BOUNDARY VALUE PROBLEMS OF MATHEMATICAL PHYSICS—Mr. Green. (Also called *Mathematics 41*)

Expansions in orthogonal functions, perturbation theory, calculus of variations, and integral transforms are employed to solve boundary value problems in heat conduction, acoustics, optics, and electromagnetic theory. Prerequisite: *Physics* 13-14 and *Mathematics* 31.

Not offered in 1956-57.

42. CLASSICAL FIELD PROBLEMS OF MATHEMATICAL PHYSICS—Mr. Green. (Also called Mathematics 42)

Vector and tensor methods and the elementary theory of complex variables are employed to study problems in hydrodynamics and elasticity. An introduction to magnetohydrodynamics is included.

Prerequisite: Physics 13-14 and Mathematics 31.

Not offered in 1956-57.

43. ELECTRONICS—CIRCUIT THEORY. Four hours, including one laboratory period. Mr. Benham.

This course includes the study of resonant circuits, coupled circuits, filter networks and impedance matching. Laboratory experiments are designed to give the student experience in the relation of theory to practice. Prerequisite: Physics 33-34, or Engineering 33-34, or consent of instructor at spring registration.

44. ELECTRONICS—VACUUM TUBE CIRCUITS. Four hours, including one laboratory period. Mr. Benham.

Electron theory, study and application of vacuum tubes, and problems pertaining to design and analysis of typical circuits employing them. Prerequisite: *Physics* 33-34 or *Engineering* 33-34, or consent of instructor.

- 45. ASTROPHYSICS. Mr. Green. (See Astronomy 45)
- 46. ASTROPHYSICS. Mr. Green. (See Astronomy 46)

# 48. ADVANCED ATOMIC, NUCLEAR AND HIGH ENERGY PHYSICS—Mr. Lemonick and Mr. Hurlimann.

The physics of photons, atoms, nucleons and elementary particles; their behavior and interactions. Students will carry out modern physics laboratory projects under supervision.

#### 81, 82. PHYSICS SEMINAR-Mr. Lemonick 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. Students who major in Physics are expected to take two semesters, but the course is not restricted to Major students. Qualified Juniors or Seniors may, by permission, elect either one semester or two. Also, the course may be repeated for credit with change of content. The granting of Honors depends heavily upon performance in this course.

## Political Science

THE POLITICAL SCIENCE CURRICULUM is designed to give students an understanding of political organization and political forces in modern society, to provide knowledge and a basis for insight and judgment on the problems involved in the relationship of the individual to government 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 political organization; American political institutions; and problems of international relations.

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

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

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

## Major Requirements

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

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

A comprehensive examination covering the major fields of study. The comprehensive examination includes seminar participation.

Candidates for Honors are required to submit a thesis of independent research work. Such thesis may obtain course credit through *Political Science 81* or 82.

Economics 21, 22, Mathematics 14, and Sociology 61 are recommended for Political Science Majors.

 FREEDOM AND CONTROL: Foundations of Western Political Thought— Mr. Scott and Mr. Muller.

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

 MODERN POLITICAL INSTITUTIONS AND ISSUES—Mr. Scott and Mr. Muller.

A comparison and analysis of modern governmental institutions and practices with reference to their theoretical foundations. Central problems of government will be examined in relation to comparative structures, administration, and operative ideals. Special attention will be devoted to the United States, which will also be used as a basis of comparison. Prerequisite: Social Science 11-12.

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

31. PARTIES, PRESSURES, AND PUBLIC OPINION-Mr. Scott.

A study of political parties, their organization and techniques, as an instrument of democratic government; the relationship of private associations and interest groups to the party system; the role of such associations in a democracy; and the struggle for power with relation to public opinion and theories of the public interest. Prerequisite: Political Science 21 and 22.

33. AMERICAN CONSTITUTIONAL DEVELOPMENT-Mr. Muller.

A study of the development of the American constitution through judicial interpretation, related to the changing political, social, and economic problems of the United States. Definitive Supreme Court cases shaping the course of American development will serve as the primary basis of study. Prerequisite: *Political Science 21* and 22.

Offered in 1956-57 and alternate years.

#### 34. SOCIAL INSURANCE AND PUBLIC WELFARE-Mr. Somers.

(Also called Economics 34 and Sociology 34.)

A study of the economic and political problems encountered in attempts to cope with the hazards of modern industrial society, including unemployment, disability, and old age, through systems of social security. Methods of prevention and alleviation, with particular reference to social insurance and related governmental programs and the nature of public interest in individual disaster are examined. Prerequisite: Either *Political Science 22, Economics 21* or *Sociology 22*.

To be offered in 1957-58 and alternate years.

#### 38. GOVERNMENT ADMINISTRATION AND PUBLIC POLICY-Mr. Scott.

A study of administration as a central element of contemporary society with special reference to the problems involved in the decision-making process; administrative theory and process in relation to the formulation and execution of public policy. The approach is analytical rather than descriptive and based, in large measure, on case studies. Prerequisite: Political Science 21 and 22. To be offered in 1957-58 and alternate years.

## 39. MARKET ORGANIZATION AND PUBLIC POLICY-Mr. Baratz.

(See Economics 39.)

#### 41-42. THE SOVIET SYSTEM—Mr. Hunter.

(See Economics 41-42.)

#### 51. AMERICAN FOREIGN POLICY-Mr. Reitzel.

A critical analysis of the forces which shape United States foreign policy including its objectives, methods, and consequences. Major emphasis will be placed on the preparation of project papers concerning specific contemporary issues in United States foreign policy. Prerequisite: Political Science 22.

Offered in 1956-57 and alternate years.

#### 53, 54. INTERNATIONAL RELATIONS: ECONOMIC AND POLITICAL. Mr. Hunter and Mr. Reitzel.

(Also called Economics 53, 54.)

An examination of the major factors which condition international relations, with special emphasis on political and economic aspects. Political Science 53 and 54 are designed as a year course; together they present the basic elements for an understanding of current international problems. The first semester's work focuses on certain basic elements: physical and human resources, fundamental economic and political concepts (e.g., trade, investment, nationalism, and imperialism) and some analysis of the interaction of these factors prior to World War II.

Against this background, the second semester is devoted to an analysis of major international developments since World War II. This study deals with selected functional problems—e.g., economic development, commercial policy, and the settlement of disputes—and area problems, especially those affecting Europe and Asia. This is followed by individual or group projects.

Prerequisite: Economics 22 and Political Science 22.

#### 55. COMPARATIVE GOVERNMENT-Mr. Muller.

An advanced, functional analysis of the political, social and economic institutions of contemporary European democracy. Emphasis is placed on the changing role of government in society, on the political and economic forms that have been developed to meet new needs, and on the impact of these new developments on traditional democratic theory. Prerequisite: Political Science 22.

To be offered in 1957-58 and alternate years.

#### 56. INTERNATIONAL LAW AND ORGANIZATION-Mr. Haviland.

A critical analysis of the evolution of major instrumentalities for the achievement of world order and law. Particular attention will be given to the League of Nations, the United Nations, the specialized agencies, and various proposals for regional and world government. Prerequisite: Political Science 22. To be offered in 1957-58 and alternate years.

#### 57b. AMERICAN POLITICAL THOUGHT-Mr. Scott.

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

Offered in 1956-57 and alternate years.

## 64. MODERN POLITICAL AND SOCIAL THEORY—Mr. Muller.

(Also called Sociology 64.)

A study of leading political doctrines of the nineteenth and twentieth centuries which have had major influence in shaping the issues and conflicts of the modern world. Prerequisite: Political Science 21 and 22; or Sociology 21-22.

#### 81, 82. INDEPENDENT PROJECT COURSES—Individual consultation; supervised independent reading and research. Mr. Reitzel, Mr. Scott and Mr. Muller.

Research papers and oral reports on special topics based upon the individual interests of advanced students. Open only to senior Social Science majors by permission of the instructor. Theses of candidates for Honors may be written for credit in this course. Limited enrollment. May be taken as semester or year course by arrangement with instructor.

## Psychology

Courses in Psychology are intended to acquaint the student with an understanding of principles of human behavior as derived from psychological theory and investigation. The subject deals primarily with the relationship of the individual and his environment. The curriculum contributes to the intellectual development and liberal education of the student by providing a systematic attempt to interpret the facts of experience and behavior and to examine the possible contributions of the science of psychology to other areas of specialization.

### Major Requirements

A major program in psychology requires twelve semester courses as follows: Psychology 21, 22, 33, and 100; Psychology 34 or 36 or Sociology 51; Mathematics 14; Sociology 21, 22; and four additional courses, three in psychology and one to be chosen from a prescribed list of courses in biology, economics, political science and sociology.

A comprehensive examination is given in the Senior year.

#### 21, 22. GENERAL PSYCHOLOGY-Mr. Coelho and Mr. Heath.

A psychological approach to the study of human behavior. The continuity and interrelationship of individual and social behavior will be emphasized. The course has been designed to provide a groundwork for those who plan to do further work in psychology and a survey of the field for those interested in the application of psychological principles to other areas of specialization. Prerequisite: Social Science 11-12.

Offered annually.

#### 31. HUMAN RELATIONS-Mr. Coelho.

(Also called Sociology 31.)

The course is designed to increase the understanding of social relations in modern society. Problems of interpersonal, intra-groups, and inter-group relationships will be examined within the framework of principles of social psychology. Prerequisite: Sociology 21, 22, or Psychology 21, 22.

33. MOTIVATION—Four hours, including one laboratory period a week. Mr. Heath.

The physiological and psychological aspects of motivation and emotion will be experimentally analyzed. The relation of motivation to learning, cognitive processes and personality will also be discussed. The laboratory will introduce the student to different methodological techniques used in working with both human and non-human subjects. Prerequisite: Psychology 21, 22. Mathematics 14 recommended.

34. PRINCIPLES OF LEARNING—Four hours, including one laboratory period a week, Mr. Heath.

This course will consist of a systematic analysis of the learning process and its relation to remembering, thinking, verbal behavior, and the development and modification of personality. While emphasis will be placed on contemporary theoretical issues and experimental work in the area of learning and thought, the historical context out of which these issues have developed will also be discussed. Prerequisite: *Psychology 21, 22.* Psychology 33 and Mathematics 14 are recommended.

Offered in 1956-57 and alternate years.

36. EXPERIMENTAL SOCIAL PSYCHOLOGY—Four hours, including one laboratory period a week. Mr. Coelho.

This course uses principles of scientific investigation to study selected problems in social psychology. Social factors in motivation, perception, remembering and thinking will be studied. Application of experimental social psychology to public issues will be considered. Various areas examined will be related to contemporary psychological theory. Prerequisite: *Psychology 21, 22.* Mathematics 14 and Psychology 33 are recommended.

To be offered in 1957-58 and alternate years.

#### 42. COMMUNICATION AND PROPAGANDA-Mr. Coelho.

A study of the psychological and social factors in the communication process. Attitude and opinion formation and change will be examined, and techniques of attitude scaling will be presented. The nature and effect of communication media will be studied, Prerequisite: *Psychology 21*, 22.

Offered in 1956-57 and alternate years.

#### 61. THEORIES OF PERSONALITY-Mr. Heath.

An extensive survey of various theories of the motivational and structural components of personality will be supplemented by a more intensive analysis of selected theorists such as Freud and Fromm. Emphasis will be placed on the methodological and theoretical problems involved in personality theory. Prerequisite: *Psychology* 21, 22. Psychology 33 is recommended.

#### 62. DEVELOPMENTAL PSYCHOLOGY-Mr. Heath.

Development of the normal personality from birth to maturity will be discussed. While some consideration will be given to the intellectual development of the child and adolescent, major attention will be focused on the normal adjustive problems of different age levels and the various methods used to modify and control behavior. Group discussion and analysis of case history material will supplement extensive readings in the experimental, clinical, and theoretical literature. Prerequisite: *Psychology 61* and the consent of the instructor.

To be offered in 1957-58 and alternate years.

#### 81, 82. SPECIAL TOPICS IN PSYCHOLOGY-Mr. Coelho and Mr. Heath.

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.

#### DEVELOPMENTAL READING-Mr. F. D. Comfort,

This program offers an opportunity for students to improve their reading proficiency. Few students, if any, have realized their real potentiality in this field. Through a series of conferences, methods of developing higher level reading skills are explored. Any student who is willing to concentrate upon it, while reading for his various subjects, will find that he can increase his speed and comprehension. Also, by giving thought to the different purposes of reading, and practicing methods appropriate to each purpose, he may increase his adaptability, making each type of reading more effective. No credit.

## Romance Languages

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

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

Residence in the French and Spanish Houses and participation in the Cercle français and Club español afford an opportunity for supplementary oral practice.

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

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

#### **FRENCH**

The program of French courses offers students an opportunity:

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

## Major Requirements

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

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

Comprehensive Examination.

## 11-12. INTRODUCTION TO FRENCH LANGUAGE AND THOUGHT. Mr. Gutwirth and Mr. Shaw.

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

#### 13-14. THE FRENCH PEOPLE-Mr. Smith and Mr. Wylie.

The purpose of this course is to aid the student, through analysis of French attitudes and comparison with equivalent American attitudes, to achieve a more objective understanding of the French people and of certain cultural forces which have had a part in shaping his own life. Reading and discussion of French literary works for their cultural implications. An intensive effort is made to help students learn to understand spoken French. Prerequisite: French 11-12 or the equivalent.

#### 21. SPOKEN FRENCH-Mr. Shaw.

This course is designed to develop the student's ability to speak French correctly and without embarrassment. At first most of the work will be carried on though individual conferences and laboratory periods; as the ability of the student increases and general discussion becomes more profitable, more emphasis will be placed on regular class meetings. Students who plan to take this course are encouraged to make arrangements to live in the French House. Prerequisite: Special permission of the Department. Enrollment limited to twelve students.

#### 22. THE FRENCH LANGUAGE-Mr. Shaw.

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

#### 23-24. CURRENTS OF FRENCH LITERATURE—Mr. Gutwirth.

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

To be offered in 1957-58 and alternate years.

#### 25-26. A SYMPOSIUM OF SIGNIFICANT FRENCH WRITINGS-Mr. Wylie.

This course, while independent of French 23-24, is complementary to it. It consists of studying and discussing a limited number of masterpieces chosen from the whole range of French literature. Emphasis is placed on intrinsic values rather than on social and historical relationships. The list of works read is varied from

year to year to suit the needs and interests of the students and of the teacher. Prerequisite: French 13-14 or the equivalent.

Offered in 1956-57 and alternate years.

61, 62. FRENCH LITERATURE OF THE SEVENTEENTH CENTURY—Mr. Gutwirth.

An advanced seminar designed to give students insight into the variety and complexity out of which the French classical tradition arose. After a general exploration of the social, political and religious life of the period, and a series of explications de textes by the instructor, each member of the class will give a lecture and lead a discussion on the author he has chosen for special, intensive consideration.

Prerequisite: French 23-24 or 25-26.

Offered in 1956-57.

81, 82. SPECIAL PROJECTS IN FRENCH LITERATURE—Mr. Gutwirth, Mr. Shaw and Mr. Wylie.

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

#### **SPANISH**

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

## Major Requirements

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

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

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

Comprehensive Examination.

#### 11-12. ELEMENTARY SPANISH-Mr. Asensio.

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

#### 13-14. INTERMEDIATE SPANISH-Mr. Asensio.

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

#### 15-16. INTRODUCTION TO HISPANIC CIVILIZATION-Mr. Asensio.

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

Offered in 1956-57 as a reading course only.

#### 21-22. INTRODUCTION TO SPANISH LITERATURE-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. Offered in 1956-57.

#### 23-24. INTRODUCTION TO LATIN-AMERICAN LITERATURE-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.

Not offered in 1956-57.

#### 33. SPANISH LITERATURE OF THE GOLDEN AGE-Mr. Asensio.

Cervantes, Lope de Vega, Tirso de Molina, Calderon; lectures, written and oral reports.

Not offered in 1956-57.

#### 81-82, SPECIAL TOPICS IN SPANISH LITERATURE—Mr. Asensio.

Reading and lectures; written and oral reports. This course may be repeated, with change of content, for full credit.

## Russian

THE COURSES in Russian are designed to offer the students the opportunity to learn to read and speak Russian and to achieve an understanding of the thought and culture of pre-revolutionary as well as contemporary Russia. Russian 11-12 and 21-22 are primarily language courses. The elementary course teaches the basic grammar and enough vocabulary to enable the student

to speak and understand simple Russian. The intermediate course introduces the student to the Russian literary language; also some newspaper articles and other contemporary material are read.

Students who have completed Russian 21-22 can continue with the more advanced courses offered at Bryn Mawr College.

## Major Requirements

(Courses numbered above 100 are offered at Bryn Mawr College.)

Students majoring in this field will be required to take:

8 semester-courses in Russian language and literature: 11-12, 21-22, 201, a 300 course chosen from 301, 302, 303, 304, in addition to the 100 course.

4 semester courses in Russian history and institutions: History 208 (History of Russia); Political Science 41-42 (Soviet Political and Economic Development).

Other related courses, including Russian 203, (Russian Literature in Translation) will be arranged in individual conference with the major supervisor.

A comprehensive examination on the Russian language, a special period of Russian literature, and Russian history.

#### 11-12. ELEMENTARY RUSSIAN\*—Mrs. Lang.

Russian grammar, conversation, and reading.

#### 21-22. INTERMEDIATE RUSSIAN-Mrs. Lang.

Grammar review, reading in Russian classics and contemporary materials, conversation. Prerequisite: Russian 11-12 or the equivalent.

The following courses are given at Bryn Mawr College:

#### 201. READING IN RUSSIAN LITERATURE—Mr. Sajkovic.

Representative writers of the nineteenth century. Conducted mostly in Russian. Prerequisite: Russian 21-22.

#### 203. RUSSIAN LITERATURE IN TRANSLATION—Miss Linn.

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

Not offered in 1956-57.

## 302. RUSSIAN LITERATURE OF THE TWENTIETH CENTURY—Mrs. Lang. Conducted in Russian. Prerequisite: Russian 201.

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

## Sociology

THE CURRICULUM in Sociology is designed to develop the student's understanding of the social structure, the social process, and the social relationships in and through which man functions. The subject matter deals with man, his groups, his organizations, and his communities. Courses are offered for those who would make Sociology their area of major interest as well as for those students wishing to study social science methods, or, such specific groups and institutions as populations, the family, and the community.

## Major Requirements

A major program in Sociology has a prerequisite of Social Science 11-12 and the Introduction to Statistics, Mathematics 14. Students are advised to take these courses in their Freshman year. The program requires the satisfactory completion of the following courses:

- a. Sociology 21, 22, 33 or 40, 37 or 38, 41, 51, 82, 100; Psychology 21, 22;
- b. two additional courses selected from the following group: Economics 21, 22, 36; Political Science 21, 22, 34; Psychology 32, 33, 34, 42, 61.

A comprehensive examination, designed to test the student's knowledge as well as his ability to integrate and utilize the subject matter of sociology and other social sciences, is given in the Senior year.

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

## 21, 22. SOCIAL AND CULTURAL LIFE-Mr. Gordon and Mr. Reid.

In the first semester this course will set forth a systematic organization of the field of general sociology using the basic concepts of function, structure, and process as guiding principles. The materials will be based on the leading methods of sociological research.

Cultural anthropology is the framework for the second semester's work. Here the student will analyze diverse cultures with particular reference to man's institutions, value systems, behavioral patterns, and their interrelations. Students may begin this course in either semester. Required of all Sociology Majors. Prerequisite: Social Science 11-12.

- 32. HUMAN RELATIONS—Mr. Coelho. (See *Psychology 32*.)
- 33. POPULATION POLICIES AND PROBLEMS-Mr. Reid.

A study of the restrictive, expansive, and eugenic aspects of national population policies as they are related to demographic theory. Special reference is given to the problems of fertility and mortality, density, immigration, and food supply. Prerequisite: Sociology 21, 22, or Economics 21, 22, or Psychology 21, 22. Offered in 1956-57 and alternate years.

#### SOCIAL INSURANCE AND PUBLIC WELFARE—Mr. Somers. (See Political Science 34.)

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

#### 37. THE FAMILY.

A study of the institutions designed to guarantee the perpetuation of the group and its cultural heritage in comparative societies. The course will analyze functions, forms and processes of the institutions of marriage and the family. Individual projects. Prerequisite: Sociology 21, 22 or Economics 21, 22 or Psychology 21, 22. To be offered in 1957-58 and alternate years.

#### 38. THE MODERN URBAN COMMUNITY-Mr. Reid.

A study of the social and spatial aspects of modern urban community organization as influenced by personal, technological, ecological, economic and political factors. Individual projects. Prerequisite: Sociology 21, 22 or Economics 21, 22, or Psychology 21, 22.

Offered in 1956-57 and alternate years.

#### 40. PEOPLES AND GROUPS IN THE MODERN WORLD.

An analysis of the secularization of the world's peoples and the contemporary "minorities" situations in the world; how these situations arise; how they are perpetuated. Special attention is given to theories and methods of analysis. Individual projects. Prerequisite: Sociology 21, 22, or Economics 21, 22, or Psychology 21, 22.

To be offered in 1957-58 and alternate years.

#### 41. SOCIOLOGICAL THEORY.-Mr. Gordon

The nature and function of sociological theory and its place in the development of the field of Sociology. The reciprocal functions of sociological theory and sociological research. Intensive attention will be given each year to several major theorists. In 1956-57 the theorists studied intensively will be Emile Durkheim, Max Weber, Robert Merton, Talcott Parsons, Robert MacIver and George Mead. Prerequisite: Sociology 21, 22 and at least one advanced course in Sociology.

## 42. COMMUNICATION AND PROPAGANDA—Mr. Coelho. (See *Psychology 42*)

#### 43. CRIMINOLOGY-Mr. Sellin.

An analysis and assessment of the theoretical and practical problems involved in the definition, detection, control and prediction of criminal behavior. Special attention will be given to the historical development of criminology and penology in the United States and Europe. One two-hour session weekly. Field trips every third week. Open to Seniors only with approval of the Chairman.

#### 44. SOCIAL STRATIFICATION—Mr. Gordon.

An analysis of social status, income, and community power and changing trends in social mobility in selected cultures, with primary emphasis on the United

States. The development of the concept of social class and its significance. Consideration will be given to major empirical researches into American class structure, such as the Lynd and Warner studies. Theories of class, such as those of Marx, Veblen, Max Weber, Centers, and Hollingshead, will be studied critically. Prerequisite: Sociology 21, 22 or Economics 21, 22 or Psychology 21, 22.

#### 51, 52. SOCIAL RESEARCH-Mr. Reid.

An analysis of classic and significant studies in the fields of social sciences with a view toward understanding the methods, tools, techniques, and hypotheses of social research. Studies will demonstrate the use of statistical, case, historical, and other research procedures. Individual projects. Required of Sociology Majors. Prerequisite: Sociology 21, 22 or Economics 21, 22 or Psychology 21, 22 and Junior Standing.

82. ISSUES IN SOCIETY—Companion seminar to Sociology 100 with individual consultations. Mr. Reid and Mr. Gordon.

This seminar is designed to treat a sociological situation of current or potential importance, emphasizing the nature and problems of social fact, social values and the social process. Individual projects. Required of Sociology Majors. Prerequisite: Sociology 51.

## Senior Seminar

#### HAVERFORD 100. SENIOR SEMINAR.

An advanced inter-disciplinary seminar whose aim is to stimulate the student to integrate his own specialized experience within a larger continuum. This objective is sought by focusing the methods and insights of the natural sciences, the social sciences, and the humanities upon one central and fundamental problem of human life. Prerequisite: Senior standing. Semester course.

## Arts and Service Program

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

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

In its non-academic work, the College insists on the same high quality of teaching which it demands in its academic 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.

#### CABINETMAKING-Three hours a week. Mr. Holmes.

Instruction will be offered during the winter term in woodworking with hand tools on selected tasks. Qualified students may work on projects of their own choice insofar as facilities permit. Cost of materials will be borne by the student. Limited to five students with consent of instructor.

#### COMMUNITY SERVICE—Three hours a week. Mr. Hetzel.

Non-academic credit will be given to students who serve as group leaders in the activities of community services. Activities include athletics, scouting, clubs, music, dramatics, hobbies, and other youth-leadership work. Competent social workers will supervise the work, and guidance will be given by sociologists to make the experience meaningful.

Offered in the fall and winter terms.

#### MACHINE-TOOL WORK-Three hours a week, Mr. N. Wilson.

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

#### MODELING AND SCULPTURE—Three hours a week. Mr. J. W. Kelly.

This course for beginners or advanced students will be offered in winter term. It includes composition, portrait, life, and some study of modern trends in sculpture. As artists have for long been taught to read, so this course aims to teach academic students to see.

#### MODERN IRON SCULPTURE.

A practical course using a spot welder to develop three dimensional free forms. Each student will make sketches and develop a composition, will use iron rods and thin gauge sheet iron cut, shaped and then welded together. Students will also discuss Modern Sculpture with the instructor. Limited to six students.

#### MUSIC APPRECIATION—(1)—Three hours a week. Mr. Reese.

An elementary course designed to develop a technique of listening to music. The basic aspects of music—melody, rhythm, harmony, texture, color, form—are studied. Emphasis is placed on the analysis of examples given and of music heard in available concerts. Offered in the winter term.

#### MUSIC APPRECIATION-(2)-Three hours a week. Mr. Caselli.

The Heroines of Puccini's Operas. A study of the different personalities created by Puccini. Offered in the fall term. No prerequisites.

#### PAINTING AND DRAWING-Three hours a week. Mr. Janschka.

The purpose of instruction in this course is to help students in acquiring perception and skill in artistic creation and rendition through the media of painting, drawing and modeling. The work may be from life and nature, from imagination, or the copying of art works. Prior experience is not required. Offered in the fall and winter terms. Limited to twenty-five students each term.

#### PHOTOGRAPHY—Three hours a week. Mr. N. Wilson.

This unit is for beginners and 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. Limited to six students. Offered in the fall term.

#### PUBLIC SPEAKING—Three hours a week. Mr. Butman.

The course is intended for those who are particularly interested in public speaking and require some expert tuition.

#### RADIO COMMUNICATION-Three hours a week. Mr. Benham.

This unit consists of projects in radio, such as instruction in the International Morse Code, a study of basic principles, or a construction project (the cost of materials to be borne by the student). It may serve as preparation for the amateur license examination given by the Federal Communications Commission. Admission with the consent of the instructor. Offered in the winter term.

#### THEATER ARTS-Three hours a week. Mr. Butman.

This unit is designed to help the individual establish a working understanding between his creative instinct and his ultimate expression within the framework of the spoken drama. Offered in the fall term.

#### WEEKEND WORKCAMPS-Mr. Hetzel and Mr. Richie.

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

## The Graduate Curriculum in Social and Technical Assistance

(Not offered in 1956-57)

HAVERFORD COLLEGE offers to qualified men and women a Graduate Curriculum in Social and Technical Assistance in the belief that the development of a peaceful world society depends on large-scale social, economic and political reorganization in many regions and over a long period of time.

All who engage in assistance programs should be both emotionally and intellectually qualified for the task. As men and women of good will they should be able to work harmoniously with people of different races and under difficult and primitive conditions. They should be able to appreciate the values of foreign cultures and understand the basis for economic and political theories.

Projects for the improvement of living conditions which are essentially technical in character make a profound impact on the social life of the people who are affected by the changes. Thus, professional competence of the technicians is not sufficient by itself. They must be alert to the social implications of the work and prepared to help the affected population to adjust to a new economic-social order. Practically all of the technical and social assistance projects now in progress or envisaged by the private, governmental and intergovernmental agencies are as much problems of human engineering as they are matters of putting technological principles into practice.

The Graduate Curriculum in Social and Technical Assistance offered by Haverford College presupposes a sound general education as basic preparation, preferably with some technical education or experience. The course does not necessarily specialize in the needs of specific areas—on the principle that a graduate should be broadly prepared to serve wherever the opportunity offers. However, in the case of an individual who is planning to join a specific assistance program, opportunity is offered to adapt the content and method of courses to the student's particular needs.

Many of the fifty-two students who have completed this program have found positions of responsibility. Sixteen are serving in twelve different foreign countries, five are engaged in governmental service in the United States, eleven are with local agencies engaged in community development and social services, nine are teaching, three are doing administrative work in educational or civic organizations, two are continuing their technical education, and two are in industrial or commercial work.

## **Entrance Requirements**

This curriculum is open to men and women who hold the Bachelor's degree from recognized institutions and who are otherwise qualified by virtue of their character, motivation and previous training. Special consideration is given to foreign students with similar preparation and qualifications. Candidates for admission are expected to possess competence in at least one modern foreign language equivalent to one year's work in college beyond the elementary level, and to have some preparation in the social sciences.

## Academic Course of Study

Each student will be expected to complete a program of ten semestercourses selected to fit his particular needs. In most cases these courses will be chosen from those listed below, but students may be urged to select other courses which fit their particular needs and the general aims of this curriculum. A grade of at least 80 must be obtained in each course.

#### SOCIAL SCIENCE 91—Case Study of Assistance Programs. Required.

A study by the case method, of the objectives, organizational and operational techniques, and problems faced in various types of assistance programs: relief, reconstruction, technical assistance, social and technical planning. In the study of each program, consideration will be given particularly to problems raised by geographical, cultural, economic and political aspects of the areas concerned. Lectures by staff and visitors, readings, papers, and seminar discussions.

#### SOCIAL SCIENCE 93-Orientation Seminar. Required.

This course will consider both directly and through biographical studies some of the factors which motivate service in assistance projects. It will also examine the living genius and impact of the principal non-Christian religions today.

#### SOCIAL SCIENCE 97-98-Research Project and Thesis. Required.

Research projects and theses may be case studies of projects sponsored by voluntary agencies and others operating assistance and developmental programs, or other approved subjects.

#### SOCIOLOGY 51-Social Research.

An analysis of classic and significant studies in the fields of the social sciences with a view toward understanding the methods, tools, techniques, and hypotheses of social research. Studies will demonstrate the use of statistical, case, historical, and other procedures. Individual projects.

## ECONOMICS-POLITICAL SCIENCE 53, 54—International Relations: Economic and Political.

An examination of the major factors which condition international relations, with special emphasis on political and economic aspects. The first semester's work focuses on certain basic elements: physical and human resources, fundamental economic and political concepts (e.g. trade, investments, nationalism, and imperialism) and some analysis of the interaction of these factors prior to World War II. This background provides the basis for an intensive study, during the second semester, of selected area and functional problems as they have taken shape since World War II. This study will terminate with group or individual projects involving some field work.

#### POLITICAL SCIENCE 64—Modern Political and Social Theory.

A study of leading political doctrines of the nineteenth and twentieth centuries which have had major influence in shaping the issues and conflicts of the modern world.

#### PSYCHOLOGY 81, 82—Special Topics in Psychology.

A seminar for special work in restricted fields of psychology. A project course.

#### MODERN FOREIGN LANGUAGE.

Continuation of a language presented for entrance is recommended.

## Non-Academic Course of Study

Each student in the graduate curriculum is expected to take one non-academic course in the Arts and Service Program. The following are recommended as appropriate for the purposes of this program:

Community Service. Activities include supervision of athletics, scouting, clubs, music, hobbies and other work with youth in a community center.

Photography. This course is intended for beginners and will include instruction in the use and characteristics of photographic equipment, as well as darkroom procedures of developing and enlarging.

Weekend Workcamps. Students electing this course will spend three weekends participating in the work of renovating houses in certain areas of Philadelphia.

## Requirements for the Master's Degree

The degree of Master of Arts will be awarded to those who have satisfactorily completed the program of ten academic semester courses (including the thesis based on the research propect), the non-academic course, and a comprehensive examination on the academic courses and the relevant courses offered for entrance.

## **Fellowships**

Preference in the awarding of the Thomas Wistar Brown Fellowships for graduate study, totaling \$5,000, will be given to qualified men and women who share concerns of the Society of Friends and who intend to specialize in Social and Technical Assistance. The value of a Thomas Wistar Brown Fellowship depends on the needs of the applicant. 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.

The College has received a grant from the Christopher Reynolds Foundation which makes possible the awarding of fellowships to one or two students who have had several years of experience in a technical field or in a technical assistance project. These fellowships vary from \$1,000 to \$3,000, depending on the financial status and requirements of the student. Special consideration will be given to applicants who have had experience in the technical assistance programs of the United Nations or of the United State Government.

Awards are determined on the basis of financial data presented in the questionnaire which constitutes formal application for admission into the graduate unit in Social and Technical Assistance. Questionnaires containing such a request for financial aid should be in the hands of the Director of Admissions, Haverford College, not later than April 1 to secure consideration for the following year.

Charges.-See pp. 27, 28.

## 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.

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 (\$18 per year, charged to every undergraduate as a part of the Unit Fee) on the basis of a yearly budget. In intercollegiate relations in general it serves as the representative of the Haverford student body.

The presidency of the Students' Council is the most important undergraduate office. The President 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 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, there are dormitory representatives elected to the Council.

THE HONOR SYSTEM COMMITTEE is responsible for introducing the Honor System to incoming students. It also makes periodic evaluations of how the System works.

## Honor System

The Honor System at Haverford is an expression of a belief that students can successfully meet the responsibility of setting and enforcing standards in social and academic life. Working in honest accordance with the professor's instructions is the basic principle in the academic area. In the social area the fundamental principle is respect for the reputation of women guests and of the College. Students have the right to entertain women in their rooms, subject to the regulations of the Students' Association.

The Honor Pledge, which is quoted below, is called to the attention of each applicant for admission to Haverford College. In signing this pledge the student accepts the Honor System in its entirety, realizing that it is subject to change by the democratic processes of student government. Specifically, he pledges to uphold two responsibilities under the Honor System. First, he pledges to govern his own conduct according to the principles which have been adopted and to understand what conduct is acceptable in specific situations. To gain this understanding the student himself must carefully consider the principles involved and should discuss them with other students in order to further his own understanding. The standards which define permissible conduct under the Honor System are the standards which the Students' Association has adopted, rather than a student's own moral beliefs. The second obligation is twofold. First, the student must report himself to the Students' Council if he has failed to act in accordance with the standards of the System in a certain situation. Secondly, if he discovers a violation committed by someone else, he must ask the offender to uphold his pledge by reporting himself. If the offender refuses, the person who has discovered the violation is pledged to report it to the Students' Council. In this manner each individual becomes personally responsible for the successful operation of the entire System.

There are several ways in which the Honor System contributes to student life. There is educational value in deciding as a group what standards and regulations are needed in a college and in considering carefully the factors which make standards necessary. Students are willing to be responsible for these standards because they themselves have set them. At the same time Haverford successfully meets its responsibility to the community by maintaining an acceptable level of conduct.

The Honor System gives rise to freedom for the student by eliminating the need for certain regulations—regulations which would be necessary not for their intrinsic worth but simply as a less efficient method of dealing with the problem of student conduct. The freedom for the Haverford student expresses itself in activities which are both privileges and responsibilities. This freedom contributes to the atmosphere of integrity and mutual confidence that prevails at Haverford.

Each entering student should feel confident, 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 uopn 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."

## Societies and Organizations

THE PUBLIC AFFAIRS ASSOCIATION is an organization of men interested in political, economic and sociological affairs. It includes as subsidiary groups a chapter of the Intercollegiate Conference on Government and the Political Forum which is responsible for bringing speakers on current affairs in these fields to the campus.

THE INTERNATIONAL CLUB, founded in 1954 by an exchange student, offers opportunities for Haverford students to become acquainted with the more personal and intimate side of customs in foreign countries.

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 STUDENT CURRICULUM COMMITTEE investigates and evaluates Haverford's methods and philosophy of education and makes suggestions to the Faculty and Administration on the subject of the curriculum and College program.

THE ADVISORY COMMITTEE ON COLLECTION SPEAKERS makes suggestions on possible speakers for the College and arranges for interested students to meet with these visitors.

THE DRAMA CLUB, in conjunction with the Bryn Mawr College Drama Guild, produces on the average three major plays a year, alternating between the Bryn Mawr and Haverford stages. Meetings, that are open to all regardless of previous experience, are the workshop of the Club with lectures and discussions on all vital aspects of play production.

THE COLLEGE GLEE CLUB, which is the chief musical organization of the College, is open to all who have a love of music and enjoy singing. Rehearsals are held twice weekly. The repertoire includes short numbers of various types and one or more major works each season, the latter being presented in conjunction with the chorus from a women's college. There are trips at various times and, some years, a concert tour during spring vacation. Tryouts are held after the first month of rehearsals for both Freshmen and Upperclassmen. Regular members are chosen on the basis of interest, voice quality, and reading ability.

THE ORCHESTRA is a combined enterprise with Bryn Mawr College. All students playing orchestral instruments are invited to get in touch with the director, Dr. William Reese. Full rehearsals are held at Bryn Mawr weekly and sectional rehearsals at Haverford. The orchestra studies particularly works of the 17th and 18th century, contemporary works, and often plays the orchestral part of large choral works given by the Glee Club in concert.

Smaller ensemble groups for chamber music are fostered at both colleges. There is opportunity for instrumental study with noted teachers at nearby music institutions.

THE BAND plays at football games, pep rallies, and on a few other occasions.

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 PHOTOGRAPHIC CLUB promotes interest in photography and has the use of a dark-room and equipment located in Leeds Hall.

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 hold discussion sessions.

Among these are the French Club, German Club, Spanish Club, Philosophy Club, Psychology Club, a Humanities Forum which discusses topics of general interest to students of language, literature, philosophy, and the fine arts; the Mathematics Club, Biology Club, and Chemistry Club. A number of these clubs sponsor demonstrations, plays, and social gatherings.

## Joint Faculty and Student Group

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

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

#### Student Publications

THE HAVERFORD NEWS is a weekly newspaper, sent to all undergraduates and to all members of the alumni body. It is published on Fridays, during term-time, by undergraduates. There are opportunities for all interested men on both editorial and business staffs.

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.

THE HAVERFORD REVUE is a magazine devoted to student literary effort. It is published irregularly.

## 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 provided each year for the entire student body. Influenza Vaccine is recommended and given to the entire student body each year, at no additional cost to the student.

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

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

Students will be charged \$5.00 a day for residence in the Infirmary after their first two weeks. Day students will be charged for board in addition, 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 \$500.00 for each accident. The expenses covered include x-rays, medicine, surgical appliances, hospital bills, nursing care, physician's fee, surgeon's fee, and also dentist bills for repair or replacement of natural teeth as a result of an accident, subject to the approval of the College physician. The coverage is in force from 12:01 A.M. Standard Time three days before the date when registration of entering students begins until midnight three days after Commencement Day.

All of these services are covered by the Unit Fee which is paid by all students (see page 27).

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 is planned and developed with the primary purpose of providing the intellectual resources of books, periodicals, and pamphlets needed to sustain the work of the academic curriculum. Most of the volumes have been selected by the teaching faculty, and, with the exception of some special collections described below, the books and periodicals are all on open shelves and readily accessible for over ninety hours a week during the college year. In the administration of the Library, the aim is to bring the resources of the book collection as effectively as possible into the academic life of the College.

Beyond this primary purpose, the Library seeks through several collections to provide opportunities for independent research in certain fields. Most notable of such collections is the Quaker Collection, which attracts many visiting scholars each year. The Government Depository and International Documents Collections provide extensive resources for independent study in the social sciences, and there are further collections of autograph material, orientalia, and particularly of Renaissance literature offering similar research opportunities in other fields.

The Haverford Library contains about 200,000 volumes, and holds subscriptions to over 600 literary and scientific periodicals. Though designed especially for the use of students and faculty of the College, the Library welcomes outside readers who wish to consult the books, and, under certain restrictions, may grant them special borrowing privileges. The Library is open on week-days from 8:00 A.M. to 11:00 P.M., and on Sundays from 2:00 to 11:00 P.M. (Treasure Room: Week-days — 9:00 - 5:00; Saturdays — 9:00 - 12:00). Special hours are arranged for vacation periods.

The Library building, the first portion of which (the present north wing) was built in 1863, has grown by five successive additions. The construction of a new Stack in 1941 has assured room for growth of the book collections for several years to come. In December 1952 the original north wing was renovated in memory of William Pyle Philips, and now forms a bright and comfortable room for quiet study. There are also three special reading rooms in the building:

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

THE RUFUS M. JONES STUDY, a replica of Rufus Jones' own study, with his own books and furniture, is used for seminar classes in philosophy as well as for quiet reading.

THE TREASURE ROOM, provided through the generosity of Morris E. Leeds of the Class of 1888, contains the Quaker Collection as well as other rare books and special collections.

### Special Collections

THE QUAKER COLLECTION, containing approximately 20,000 books and 40,000 manuscripts, maps and pictures of interest to the Society of Friends, provides a repository for Quaker literature in the United States, and makes Haverford a vital center for the study of the history and philosophy of Quakerism. The unique nucleus of the library is *The William H. Jenks Collection of Friends' Tracts*, mostly of the seventeenth century, which numbers about 1500 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 autographs of the signers of the Declaration of Independence, authors, statesmen, scientists, ecclesiastics, and monarchs, and also several series of valuable papers on religious and political history.

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

THE WILLIAM PYLE PHILIPS COLLECTION contains more than seventy-five rare books and manuscripts, mostly of the Renaissance period. Among the treasures of this collection are first editions of Dante, Copernicus, Spenser, the King James Bible, Milton, Newton, and the four folios of Shakespeare.

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 1 4 1

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 CATALOGUE, the largest regional cooperative catalogue in America, enables users of the Haverford Library to locate books in over one hundred and seventy libraries of the Philadelphia area.

THE LIBRARY ASSOCIATES is an organization of graduates and friends of the College, devoted to increasing the usefulness of the Library. It serves to bring the facilities of the Library to wider notice and to make them available to the whole Haverford community; to encourage the making of gifts to the Library; and to aid in the use of the Library for exhibition purposes. Inquiries should be addressed to The Library, Haverford College.

#### Scientific Laboratories

THE WILLIAM J. STRAWBRIDGE MEMORIAL OBSERVATORY is equipped with three equatorially mounted telescopes, a 10-inch and a 4½-inch refractor, and a 6-inch reflector; a reflecting telescope with 8-inch mirror and altazimuth mounting; a meridian circle telescope of 3¾-inch aperture; a zenith telescope of 2¼-inch aperture; a spectrohelioscope; an astrographic mounting provided with two 4-inch Ross lenses and a 4-inch guiding telescope; sidereal clocks, a chronograph, 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. 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, shops, and mechanical and electrical 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. Here are situated the departmental library, laboratories, darkrooms, 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, and the Biology library.

## **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 by the late Professor Elihu Grant during a series of 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.

THE HAVERFORD COLLEGE FRIENDS OF MUSIC is an association of friends and neighbors of the College and faculty members, who, in cooperation with the Music Department, arrange a series of chamber music concerts which are held at various times during the year in the Common Room.

## Campus

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

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

## The Bucky Foundation

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

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

## Fellowships, Prizes and Honors

### **Fellowships**

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

The Faculty will nominate a First Cope Fellow and a Second Cope Fellow whose individual stipends, not to exceed \$1,000, will be determined by the Board.

Applications for a Clementine Cope Fellowship must be in the hands of the President before March 1, accompanied by whatever statement of extracurricular activities the candidate considers relevant.

GRADUATE FELLOWSHIPS.—For information regarding graduate fellowships, see page 105.

#### Prizes

(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 of prize books, and supplies the bookplates.)

ALUMNI PRIZE FOR COMPOSITION AND ORATORY.—A prize of \$50.00 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. The competition for this prize is administered by the Department of English.

JOHN B. GARRETT PRIZES FOR SYSTEMATIC READING.—A first prize of \$50.00 and a second prize of \$25.00 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 a full college year.

Candidates for these prizes must register with the chairman of the department under whose supervision the work will be performed. The department

is responsible for guiding his work and reporting his achievement to the Committee on Fellowships and Prizes for final judgment. Either or both of these prizes may be omitted if, in the judgment of the Committee, the work does not justify an award.

Interested students should apply directly to a relevant department for information.

THE CLASS OF 1896 PRIZES IN LATIN AND MATHEMATICS.—Two prizes of \$10.00 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 in the departments concerned.

THE LYMAN BEECHER HALL PRIZE IN CHEMISTRY.—A prize of \$100.00 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 \$10.00 in books, is offered annually by the Class of 1902 to the Freshman whose work in Latin, in recitation and examinations combined, shall be the most satisfactory. At the discretion of the professor in charge of the Department, this prize may be omitted in any year.

THE DEPARTMENT PRIZES IN MATHEMATICS.—A first prize of \$30.00 and a second prize of \$20.00 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.

ELLISTON P. MORRIS AND ELIZABETH P. SMITH PEACE PRIZES.—These have been combined for the year 1956-57 into a single competition offering three awards of \$200.00, \$100.00 and \$50.00 respectively. It is open to all undergraduates and to graduate students.

The prizes are awarded for the best essays bearing on the general topic of "Means of Achieving International Peace." Essays should be deposited with the Registrar before May 1. The judges shall be appointed by the President of the College.

Prizes will not be awarded if, in the opinion of the judges, a sufficiently high standard of merit has not been attained.

PRIZES IN PHILOSOPHY AND BIBLICAL LITERATURE.—A prize of \$40.00 and a second prize of \$25.00, in books, are offered annually to the students who, in the judgment of the professor in charge, do the most satisfactory outside reading in Philosophy in connection with the courses in that Department.

A prize of \$40.00 and a second prize of \$25.00, in books, are offered annually to the students who, in the judgment of the professor in charge, do the most satisfactory reading on the Bible and related subjects.

THE SCHOLARSHIP IMPROVEMENT PRIZES.—A first prize of \$50.00 and a second prize of \$45.00 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 FOUNDERS CLUB PRIZE.—A prize of \$25.00 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 \$100.00 is offered annually for competition in the Department of History under the following general provisions:

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

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

Third—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.

#### 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 with the approval of a member of the Department of History. The essay may be written either independently, or in connection with course or Honors work in History.

Essays should be typewritten and deposited with the Registrar before May 1.

THE NEWTON PRIZE IN ENGLISH LITERATURE.—A prize of \$50.00 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 \$50.00 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." This prize is administered by the Department of English.

THE GEORGE PEIRCE PRIZE IN CHEMISTRY OR MATHEMATICS.—A prize of \$50.00 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 STUDENT ORGANIZATION PRIZE.—Classmates of Edmund Jennings Lee, 1942, who lost his life in the service of his country, have established in his memory a fund, the income from which is to be given annually to that student organization which, in the opinion of a committee of judges, has contributed most toward advancing the interests of the College.

THE THERESA HELBURN PLAYWRITING AWARD.—These awards, open to all students of Bryn Mawr College, are given by Theresa Helburn to encourage playwriting. The prize consists of \$100.00 for the best full-length play and \$50.00 for the best one-act play submitted each year and considered worthy. Original work is required; adaptations, translations and collaborations are not eligible. Haverford students in playwriting may submit manuscripts for these awards.

#### **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:* Irvin C. Poley, '12; *Vice President:* Howard Comfort, '24; *Secretary:* Harry W. Pfund, '22; *Treasurer:* Holland Hunter, '43.

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-curicular activities. Undergraduate elections are usually limited to the Junior and Senior classes. *President:* John A. Lester, Jr., '37; Secretary: Richard T. Forman, '57.

#### Honors

Honors are of two kinds: Honorable Mention in a single course and Final Honors for work in the major department.

Honorable Mention in a single year course will be awarded at the end of the Freshman or Sophomore year for acceptable work in that course and additional work in the total amount of not less than seventy-five hours. Candidates for Honorable Mention must obtain a minimum grade of 85 in the regular work of the course and may be required to pass an examination on the additional work. Two courses of one semester each in the same department may be construed as a single course.

A student 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 succeeding year.

Final Honors are designed to provide stimulation for capable students to undertake and carry through academic work of high quality. The Faculty has agreed that three indications of such high quality work on the student's part are: first, a broad and thorough understanding of his major field; second, within the range of his honors work a knowledge more profound than would normally be expected; and third, understanding of the relationship of his major field to other areas of human experience.

A student who is considered by his major department to have the ability to become an honors candidate is invited to do so and is informed of the nature of the honors work expected as early in the course of his major work as is convenient. Although the nature of honors work varies from department to department, some work outside of the regular course work in the department, preferably along lines of the student's particular interest, may be required. The honors candidate may gain some time for this extra work by devoting one or more project courses to it in his Senior year.

Three grades of Final Honors are awarded: *Honors, High Honors,* and *Highest Honors. Honors* are awarded at the discretion of the major department to honors candidates who meet the qualifications and may, under exceptional circumstances, be awarded to students who have done excellent departmental work even though they have not undertaken honors work as such.

High Honors and Highest Honors are awarded by the Faculty. Candidates for honors whose work has been outstanding are invited by the department to take a public oral examination, conducted by an examination committee under the chairmanship of the major supervisor and including at least two examiners from fields other than the candidate's major. If this committee so recommends, the Faculty may award High or Highest Honors. In general, Highest Honors are reserved for students who have demonstrated both breadth and depth of scholarship.

## Alumni Council

Officers of the Alumni Association, Members of the Executive Committee and Alumni Representatives on the Board of Managers

President

GRANVILLE E. TOOGOOD, '20 N. W. Ayer & Son, Inc. West Washington Square Philadelphia, Pa.

1st Vice President
CHARLES WARNER, JR., '23
219 North Broad Street
Philadelphia 7, Pa.

2nd Vice President

Hon. John Phillips, '10
1317 House Office Building
Washington 25, D. C.

3rd Vice President
INGRAM H. RICHARDSON, '28
Richardson Scale Company
Clifton, N. J.

Treasurer

H. ROYER SMITH, JR., '44H. Royer Smith Company 10th & Walnut Streets Philadelphia, Pa.

Executive Secretary
BENNETT S. COOPER, '18
Haverford College
Haverford, Pa.

Executive Committee

CHARLES E. PANCOAST, III, '45

R.D. #1

Spring City, Pa.

Holland Hunter, '43 Haverford College Haverford, Pa.

WILLIAM F. TIERNAN, JR., '36 Catalytic Construction Company 1528 Walnut Street Philadelphia, Pa.

RAY B. HOUSTON, '34
Radio Corporation of America
Legal Department
Camden, N. J.

PHILIP L. CORSON, '19 Plymouth Meeting, Pa.

THOMAS R. BEVAN, '36
Duane, Morris & Heckscher
Land Title Bldg.
Philadelphia 10, Pa.

ROBERT B. GREER, '18 17 South Avenue Media, Pa.

KENNETH E. KINGHAM, '29 Haverford School Haverford, Pa.

WILLIAM M. LEE, '46 861 Glenbrook Avenue Bryn Mawr, Pa.

RICHARD A. ISAY, '56 Haverford College Haverford, Pa.

## Alumni Council (continued)

## Alumni Representatives on Board of Managers

DONALD E. WILBUR, '24 Walker Brothers Conshohocken, Pa.

THEODORE WHITTELSEY, Jr., '28
N. W. Ayer & Son, Inc.
West Washington Square
Philadelphia, Pa.

JOHN S. WILLIAMS, '20 Franklin Printing Company Bunting Lane Primos, Pa.

JAMES P. MAGILL, '07 Eastman, Dillon & Company 225 South 15th Street Philadelphia, Pa.

Regional Members (In office through February, 1957) Members at Large and Members of Nominating Committee

#### REGIONAL MEMBERS

New England States:

RICHARD M. GUMMERE, '02 984 Memorial Drive Cambridge, Mass.

JOHN W. SPAETH, Jr., '17 45 Lawn Avenue Middletown, Conn.

New York & Connecticut:

HOWARD J. HOGENAUER, '24 648 King Street Port Chester, N. Y.

LLEWELLYN P. YOUNG, '45 114 Clinton Street Brooklyn, N. Y.

WILLIAM T. JEBB, '21 85 Ledyard Road West Hartford, Conn. RICHARD O. GIBBS, '34 Orange Center Road Orange, Conn.

New Jersey:

HUGH BORTON, '26

Route #1
Neshanic Station, N. J.

BERNARD LESTER, '04 37 Woodland Road Maplewood, N. J.

Delaware, Maryland & Washington, D. C.

GEORGE B. BOOKMAN, '36 4821 Cumberland Ave. Chevy Chase, Md.

# Alumni Council (continued)

WALTER SONDHEIM, JR., '29 4006 Alto Road Baltimore, Md.

> JOHN B. RHOADS, '35 10 Granite Road Wilmington, Del.

Southeastern States:

DUDLEY D. CARROLL, '08 Univ. of North Carolina School of Business Administration Chapel Hill, N. C.

Great Lakes States:

STERLING NEWELL, JR., '43 2584 Dartmoor Road Cleveland Heights, Ohio

F. HOWELL WRIGHT, M.D., '29 5739 Kimbark Avenue Chicago, Ill.

Western States:

J. RUSSEL FITTS, '20 407 West 8th Street Kansas City, Mo. Pacific States:

JAMES F. GARY, '42 4533 East Laurel Drive Seattle, Wash.

Pennsylvania: (Other than Philadelphia)

J. STANTON CARSON, '24 6017 Kentucky Avenue Pittsburgh, Pa.

JOHN H. BIDDLE, '27 325 Penn Street Huntingdon, Pa.

FRANCIS P. SHARPLESS, '16 585 North School Lane Lancaster, Pa.

Philadelphia:

ROBERT A. LOCKE, '14 1308 Land Title Bldg. Philadelphia, Pa.

HERBERT J. PAINTER, '18 Wynnewood Plaza Wynnewood, Pa.

F. JOSEPH STOKES, Jr., '35 1012 Westview Street Philadelphia, Pa.

# MEMBERS AT LARGE

GIFFORD P. FOLEY, '32 130 S. Canal Street Chicago, Ill. RICHARD W. NORTON, JR., '44 4648 Fairfield Avenue Shreveport, La.

# Alumni Council (continued)

## ALUMNI NOMINATING COMMITTEE

THOMAS McConnell, III, '19 1123 Rockcreek Road Bryn Mawr, Pa.

> EDWARD R. MOON, '16 31 Penarth Road Bala-Cynwyd, Pa.

ALLEN C. THOMAS, Jr., '28 426 Carpenter Lane Philadelphia, Pa.

Ben Jamin S. Loewenstein, '34 1736 Land Title Bldg. Philadelphia, Pa.

# HAVERFORD CLUB OF PHILADELPHIA

# Meridian Club

| 861 Glenbrook Avenue, Bryn Mawr, Pa.  |
|---|
| Vice-President  |
| SecretaryERNEST N. VOTAW, '15 Lafayette Bldg., 5th & Chestnut Sts., Philadelphia, Pa. |
| Treasurer   |
| HAVERFORD SOCIETY OF NEW YORK   |
| President   |
| Vice-President  |
| Secretary   |
| Asst. Secretary   |
| Treasurer   |
| Asst. Treasurer   |
| HAVERFORD SOCIETY OF MARYLAND   |
| President   |
| Vice-President  |
| Vice-President  |
| 107   |

| Secretary-TreasurerE. HAMBLETON WELBOURN, JR., Connecticut General Life Insurance Co., Baltimore, Md. | '38 |
|---|-----|
| Asst. Secretary-Treasurer   | '52 |
| HAVERFORD SOCIETY OF WESTERN PENNSYLVANIA   |     |
| President   | '26 |
| Secretary   | '24 |
| TreasurerJAMES M. HOUSTON, 717 Oliver Bldg., Pittsburgh 22, Pa.                                       | '31 |
| HAVERFORD SOCIETY OF WASHINGTON   |     |
| President   | '45 |
| Vice-President  | '36 |
| Treasurer   | '42 |
| HAVERFORD SOCIETY OF CHICAGO  |     |
| President   | '44 |
| Vice-President  | '25 |
| Secretary-TreasurerJoseph Sproule, 303 N. Dunton, Arlington Heights, Ill.                             | '49 |
| HAVERFORD SOCIETY OF NEW ENGLAND  |     |
| PresidentF. BARTON GUMMERE, III, William Filenes Sons & Co., Boston 1, Mass.                          | '32 |
| Vice-President  | '36 |

| Vice-President                           |
|--|
| Secretary                                |
| Treasurer                                |
| Haverford Society of Wilmington          |
| President                                |
| Vice-President                           |
| Secretary-Treasurer                      |
| HAVERFORD SOCIETY OF LOS ANGELES         |
| President                                |
| HAVERFORD SOCIETY OF NORTHERN CALIFORNIA |
| President                                |
| HAVERFORD SOCIETY OF SEATTLE             |
| President                                |
| Secretary                                |

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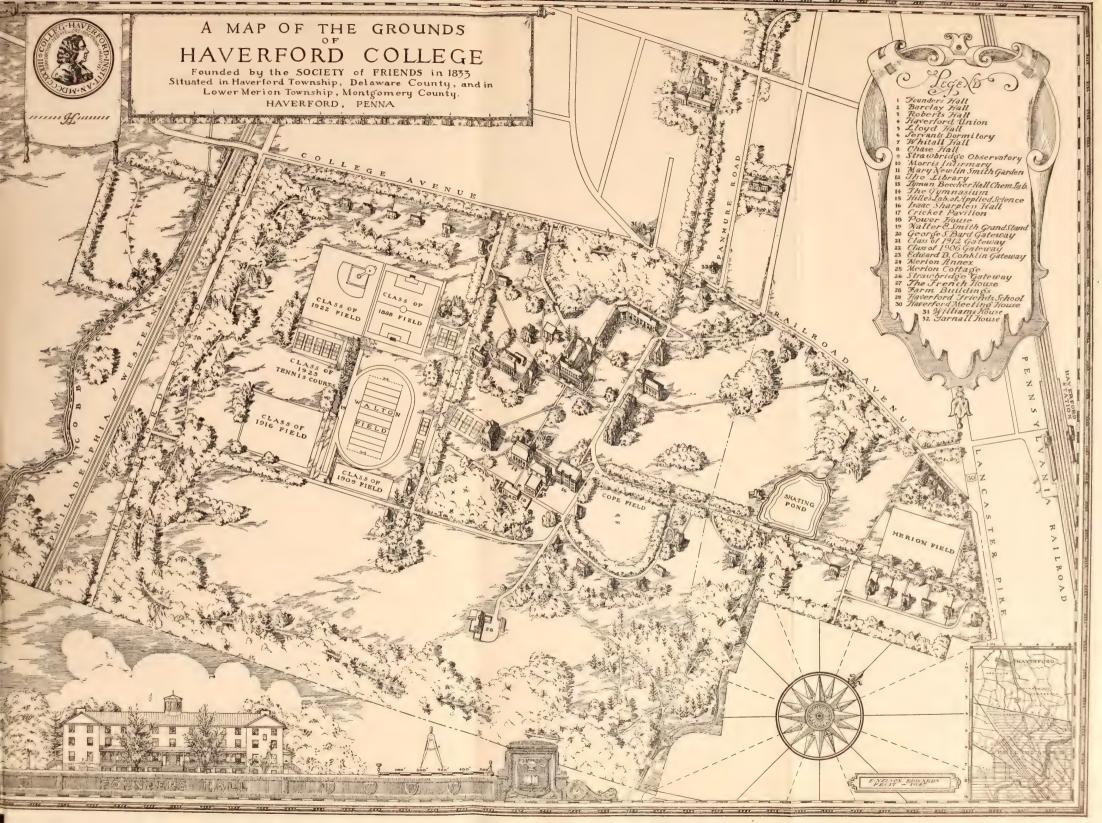
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# HAVERFORD COLLEGE BULLETIN



THIS ISSUE CONTAINS THE

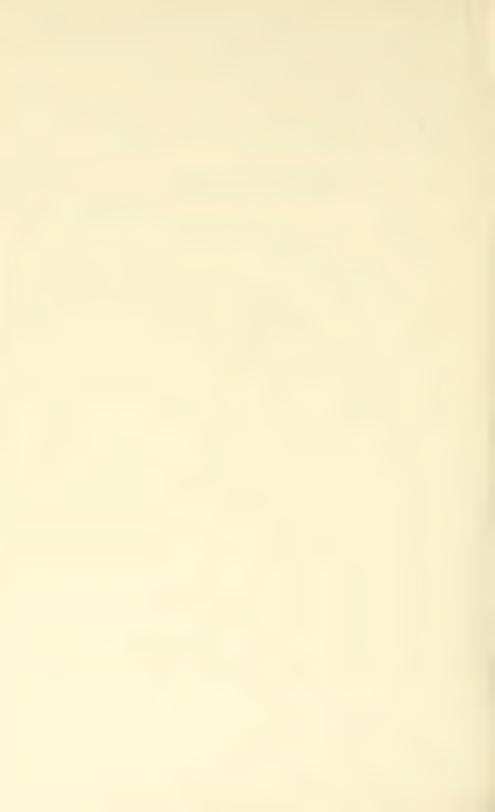
REPORT OF THE PRESIDENT

1955 - 1956

VOLUME LV

NUMBER TWO

October, 1956



# REPORT OF THE PRESIDENT

presented at the
Annual Meeting of the Corporation
of Haverford College

October 16, 1956

THE ACADEMIC year 1955-56 marked the conclusion of Gilbert White's administration, a ten-year period notable for important changes and welcome progress in many aspects of the College program and in the physical plant. The change in administration saw the beginning of a period of transition which will continue until a new president has been appointed and has assumed office.\*

The year was an unsual one not only because of the change in administration, but also because it was during this period that the Development Program reached a successful conclusion, with Leeds Hall and the Merion apartments completed, and the Field House well under way. It was a year which showed an unusual number of changes in the faculty as a result of death, retirement, and the acceptance of other opportunities.

That the College had reached the end of an era was made apparent by the death of President-emeritus William Wistar Comfort on December 23rd and by the death on January 2nd of his life-long friend, Charles J. Rhoads, who had served so ably not only on the Haverford Board, but also as Chairman of the Board of Bryn Mawr College. Frederic H. Strawbridge completed his fiftieth year of service as a member of the Board of Managers.

In his final report Gilbert White concluded that as he thought of Haverford it was in terms of the men he had known here — Board, faculty, students, alumni. Important as our progress is in buildings, in endowment, in academic program, there can be no question that our past

<sup>\*</sup> At its meeting on October 16, 1956, the Board of Managers announced that Dr. Hugh Borton, '26, had been appointed President of the College and would assume office next June.

accomplishments, our present efforts, and our hope for the future all center on the young men who come for a period to the College and on the faculty which works with them while they are here.

#### **FACULTY**

The end of the academic year brought the retirement of Arnold Post and John Flight from the active faculty. Arnold Post accepted his first appointment on the Haverford faculty in 1917 and has through forty years made a distinctive contribution to the College through his teaching and writing in his own field; he has also displayed a breadth and variety of interest in other directions which has been a source of stimulation, somewhat tinged with awe, to both his students and his colleagues. John Flight first came to Haverford in 1929 and in his modest and unassuming way has, from the upper regions of Sharpless Hall, won the affectionate regard of his students and his fellow members of the faculty. We are fortunate in having both of these men continuing this year with some teaching.

Richard Sutton who joined the Haverford faculty in 1930 and who since Frederic Palmer's retirement has served as Chairman of the Physics Department, resigned to accept a position at Case Institute in Cleveland. This year he was on leave. We miss his presence here, but are glad to see his enthusiasm for a new and challenging opportunity.

Dr. William Lander was appointed College Physician to replace Dr. Henry Cornman, who resigned for reasons of health.

The Medical Expense Reimbursement Plan, under the guidance of a faculty committee, was put into effect, as was the plan for Clinical Medical Care for faculty families under the direction of Dr. William R. Watson, Jr., '41.

An increase in tuition, a special allotment from the Board of Managers, and the happy circumstance of the gift from the Ford Foundation, all combined to make it possible to plan a substantial increase in faculty salaries for the coming year. Gratifying as this is, it should be regarded as a step in a process that must continue.

New members of the faculty in the current year are Melvin Santer in biology; Colin MacKay, Robert Walter and Russell Williams in chem-

[TWO

istry; Edgar Rose and Alfred Satterthwaite in English; George Coelho in psychology; Steven Muller in political science; Joseph Miller in physical education; and Theodore Hurlimann in physics. Nicolas Slonimsky will give one course in music during Alfred Swan's absence in the first semester, and Joachim Maass will give a course in German in the second semester.

William W. Ambler, '45, was appointed this month as Assistant Director of Admissions.

During the current year John Ashmead will be on leave in Greece; Richard Bernheimer and Alfred Swan will be on leave the first semester; Philip Bell and Wallace MacCaffrey will be in England for the year; Field Haviland will spend his leave at the Brookings Institution in Washington; Herman Somers will be on a special project at the University of California; Kenneth Woodroofe will be teaching at Reed College; Frances deGraaff will be abroad for the whole year; Marcel Gutwirth will spend the second semester in France.

John Roche has resigned to accept a position at Brandeis University. John Campbell has left to join the staff of the National Institute for Mental Health in Bethesda, Md. Last month Thomas O. Jones resigned to accept a position in chemical research.

Emmett Dunn, who joined the faculty in 1928, died on February 13th. A distinguished scientist with an international reputation in his area of special interest, his loss is a sad one.

#### STUDENTS

Although the application list was somewhat larger than in the previous year, the number of acceptances was held to a figure which would make it possible to maintain an average of 450 undergraduates for the year.

Again there was an increase in the amount available for scholarships. One beneficial result of this was the possibility of preventing the increase in tuition from working hardships on scholarship candidates.

The students were again most helpful with their advisory committees on Collection speakers, dining room operation, and other phases of College life.

THREE]

In the Admissions Office it seems clear that the mounting enrollments in the schools are beginning to make themselves felt in college application lists. This is the beginning of a trend which will increase each year for a considerable period, and which will inevitably raise again questions on the size of the College.

One particularly pleasing and effective student undertaking has been the orientation program for the freshmen prior to the opening of College.

#### ACADEMIC PROGRAM

Although there was little change last year in the courses offered, plans were made during the year for major changes in the future in several areas. The offerings in English were extensively revised, with the intention of meeting more adequately the needs both of those who wish to specialize in English literature and of students whose interest in English is more general. Additional revisions were made in the offerings in biology; the program continues to be based on four separate one-semester introductory courses, but a more extensive advanced offering will be available. The physics program has also been revised and strengthened.

Interdepartmental cooperation, which has been especially strong in the social science departments for several years, is increasing in the natural sciences, especially among physics, mathematics and astronomy where plans have been made for definite interdepartmental offerings.

The experimental programs in mathematics and biology, mentioned in previous reports to the Corporation, seem to be well established. Two other experimental programs, the Senior Seminar and the program in Social and Technical Assistance, were conducted on only a modest scale last year and are not being continued for 1956-57. They were valuable as experiments and the few students involved were doubtless greatly benefited, but for the present at least it seems best to direct our energies and resources elsewhere.

As in previous years, the resources of the Philips Fund were being used to bring distinguished visitors to the campus for a variety of purposes, including classroom instruction, Collection talks, and lectures supplementing regular class work. Both the faculty and the students profit from the close contact with distinguished persons from off the campus which this program makes possible.

[FOUR

After several years' experience with the Visitors Program we are now beginning a study of the Program from its inception to see what its impact has been and how we should plan for its more effective operation in the future.

For some time it has been clear that a program of a similar nature covering the humanities would be most welcome. Already one alumnus has provided for a start in this direction and it is our hope that in the next few years this program will receive further support.

The Observatory continues its customary policy of entertaining visitors. During each year approximately 350 people come to the Observatory, and this year there have already been over 100.

#### PLANT AND BUILDING PROGRAM

The Field House is moving rapidly toward the time when we can begin to use it. The chief items still in process are the electrical installations and the floors. We should remind ourselves that as we begin to use the building it will be for the physical education program and that until additional funds are available we cannot use the building for spectator sports. A new stack has been completed at the Power House, providing for a more efficient use of our boilers and for an incinerator. A new low pressure boiler has been installed which will take care of our needs throughout the College when no heating is required.

Attractive new benches, the gift of the Class of 1956, have been placed along some of the walks.

During the year another laboratory was added in Sharpless Hall for the Biology Department, and the seminar room which formerly occupied this space has been relocated in Chase Hall.

The customary painting of buildings and routine upkeep has been carried on through the vacation period. A damp summer and additional work in landscaping around our new buildings has put a heavy demand on our small grounds crew.

In the past several years we have made considerable progress on faculty housing. This is a matter which will receive further study.

#### **FINANCES**

The College finished the year with an operating surplus which will be added to the reserve fund which has been accumulating for several years. Although in this year we did not have the same unusually large dividends and back payments on securities as we did in 1954-55, the return on investments was good.

The gift from the Ford Foundation for faculty salaries and the help which we received from the alumni made a substantial faculty salary increase possible. To fortify this program and to help meet our rising operating costs, tuition was increased from \$750 to \$850 for the year 1956-57.

A readjustment of the William Maul Measey Trust for scholarships strengthened our scholarship program, as did further generous additions to the Trust by the donor.

#### THE DEVELOPMENT PROGRAM AND ANNUAL GIVING

The conclusion of the Building Program was set for the end of 1955 and all Haverfordians can be proud that the goal of one million dollars was surpassed by \$30,000. This time last year we were still short of the million dollar goal by \$64,000. The successful attainment of the goal was a remarkable achievement by the College's alumni and friends.

After having had the use of Leeds Hall for a year we can report the enthusiastic reaction of the students — and indeed of us all — to this fine addition to our dormitory facilities. When the present construction on the Field House is completed, the College will have the facilities for the physical education program and for intramural athletics which it has needed for thirty years. Conflicts between the physical education and the academic programs will be eliminated.

When the Field House was planned it was decided that the first step should be a structure useful immediately, but providing for uses not possible until we were in a position to make further expenditures. Unfinished business includes the gallery to provide seating space for 1000 spectators, additional space for fencing and wrestling, and squash courts. Other physical needs include a wing to Leeds Hall (for which the architectural plans have been completed), additional classroom and laboratory space, a rearrangement of the facilities in the Library, and a number of other items which need not be delineated here.

One of the primary objectives of the Development Program has been the establishment of a regular Annual Giving Program to help the College in current operations in the year ahead. Giving of this kind will make possible improvement in the College's service to its students. As we move forward under a new administration, a program of priorities will be worked out. This program will take into account both instructional and physical needs. Certainly one of the first obligations is the matter of faculty salaries.

Plans for the Annual Giving Program for this year have matured. John S. Williams, '20, is the chairman, and a goal of \$75,000 has been set. On the basis of the support to date from alumni, from parents of past and present students, and from friends of the College, this seems to be a realistic estimate. Our experience with annual giving in the next two years will have important implications for Haverford's future growth.

#### SUMMARY

This report has been designed to cover a year which, as already stated, brought about a change in administration with a number of attendant problems. In some respects it was a difficult year, although because of the interest of all concerned — alumni, Board, students, faculty, staff — the College has continued its forward progress in a most heartening manner. This progress is the result of a basic policy in which we all believe, as well as the impetus built up over a long period of years.

As we move ahead in the 124th year of Haverford, we should remind ourselves of our tradition as a liberal arts college and of the obligation that is placed upon us by the opportunities presented by our size, by our financial resources, by our carefully selected student body, and by our strong and imaginative faculty—to see to it that, insofar as we are able to help them, our graduates go forth with courage, with vision, and with a desire to serve their fellowmen.

We are well aware of how short we fall in attaining the results to which we aspire, but part of our strength lies in this awareness, and part lies in our constant examination of the process, seeking for more effective ways of achieving our ends. We must concentrate not on our accomplishments but on our opportunities.

ARCHIBALD MAGINTOSH

SEVEN

# STATISTICS FOR REPORT OF THE PRESIDENT 1955-1956

#### **ENROLLMENT**

| Fall Semester, 1952             | 493  |
|---------------------------------|------|
| Spring Semester, 1953           | 489  |
| Fall Semester, 1953             | 479  |
| Spring Semester, 1954           | 468  |
| Fall Semester, 1954             | 472  |
| Spring Semester, 1955           | 451  |
| Fall Semester, 1955             | 465  |
| Spring Semester, 1956           | 456  |
| Fall Term, 1956                 | 458* |
| *Undergraduate Students         |      |
| Graduate and Special Students 4 |      |

# COMPOSITION OF THE STUDENT BODY FALL SEMESTER, 1956

The student body represents 33 states. The following foreign countries are represented: Argentina, Cuba, Haiti, Japan and Switzerland.

Students who are members of the Society of Friends number 56, or 12 percent of the total.

#### REGISTRATION IN ACADEMIC COURSES

| Department            |      | Registration * |      |      |      |      |            |      |      |
|-----------------------|------|----------------|------|------|------|------|------------|------|------|
|                       | 1956 | 1955           | 1954 | 1953 | 1952 | 1951 | 1950       | 1949 | 1948 |
| Astronomy             | 36   | 26             | 41   | 41   | 48   | 26   | <b>2</b> 3 | 19   | 16   |
| Biblical Literature . | 62   | 42             | 40   | 35   | 39   | 38   | 42         | 37   | 65   |
| Biology               | 156  | 141            | 95   | 42   | 35   | 54   | 36         | 64   | 48   |

<sup>\*</sup>Statistics show the course registrations for the Fall Semester of each year.

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# REGISTRATION IN ACADEMIC COURSES—Continued

| Department        | Registration * |      |             |      |      |      |      |      |      |
|-------------------|----------------|------|-------------|------|------|------|------|------|------|
|                   | 1956           | 1955 | 1954        | 1953 | 1952 | 1951 | 1950 | 1949 | 1948 |
| Chemistry         | 185            | 184  | 199         | 206  | 190  | 169  | 177  | 162  | 187  |
| Economics         | 122            | 123  | 140         | 132  | 76   | 153  | 139  | 169  | 212  |
| Engineering       | 23             | 31   | 24          | 32   | 33   | 34   | 37   | 50   | 44   |
| English           | 302            | 303  | <b>32</b> 3 | 312  | 364  | 367  | 411  | 412  | 414  |
| French            | 127            | 128  | 119         | 106  | 102  | 91   | 94   | 99   | 86   |
| German            | 90             | 87   | 91          | 108  | 118  | 113  | 96   | 125  | 129  |
| Greek             | 14             | 23   | 22          | 14   | 27   | 44   | 31   | 25   | 34   |
| History           | 121            | 99   | 106         | 110  | 117  | 115  | 137  | 166  | 242  |
| History of Art    | 25             | 36   | 39          | 38   | 30   | 26   | 15   | 15   | 24   |
| Latin             | 37             | 18   | 20          | 13   | 11   | 8    | 5    | 6    | 3    |
| Mathematics       | 154            | 153  | 135         | 177  | 151  | 177  | 152  | 207  | 176  |
| Music             | 26             | 15   | 22          | 16   | 19   | 12   | 19   | 13   | 11   |
| Philosophy        | 148            | 174  | 183         | 184  | 171  | 177  | 218  | 235  | 213  |
| Physics           | 74             | 97   | 80          | 68   | 83   | 51   | 77   | 57   | 98   |
| Political Science | 128            | 138  | 146         | 130  | 179  | 159  | 138  | 178  | 180  |
| Psychology        | 84             | 102  | 92          | 123  | 108  | 118  | 137  | 108  | 174  |
| Russian           | 6              | 7    | 8           | 12   | 16   | 14   | 6    | 9    | 12   |
| Sociology         | 55             | 65   | 69          | 77   | 51   | 66   | 49   | 95   | 107  |
| Spanish           | 54             | 50   | 48          | 51   | 54   | 54   | 58   | 57   | 70   |
|                   |                |      |             |      |      |      |      |      |      |
| General Courses   |                |      |             |      |      |      |      |      |      |
| Humanities        | 102            | 93   | 91          | 47   | 61   | 70   | 80   | 35   | 41   |
| Social Science    | 125            | 126  | 132         | 141  | 146  | 122  | 149  | 114  | 52   |

<sup>\*</sup>Statistics show the course registrations for the Fall Semester of each year.

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| HAVERFORD STUDENTS AT BRYN MAWR  |
|----------------------------------|
| Classical Archaeology 2          |
| Education—Child Psychology 1     |
| English 8                        |
| Geology 5                        |
| History 8                        |
| History of Art 7                 |
| Italian 1                        |
| Latin 1                          |
| Music 8                          |
| Philosophy 2                     |
| Political Science                |
| Russian                          |
| Spanish 3                        |
| HAVERFORD STUDENTS AT SWARTHMORE |
| Music                            |
| City and Regional Planning 1     |
| Physics 1                        |
| DECREES GRANTED, June 8, 1956    |
| B.A                              |
| B.S 11                           |
| M.A 6                            |
| M.S                              |
|                                  |

# COLLEGE VISITORS

#### 1955-1956

#### Collection Speakers

Daniel Bell, labor editor, Fortune

Eric Bentley, Professor of Dramatic Literature, Columbia University

Henry J. Cadbury, former Hollis Professor of Divinity, Harvard University

\*Lincoln Gordon, former Chief of Mission for the Economic Cooperation Administration in London

\*Milton Katz, former Chief of the Marshall Plan in Europe

Russell Kirk, essayist

Max Lerner, columnist, New York Post

\*Major-General James McCormack, Special Assistant to the President, Massachusetts Institute of Technology

Robert W. McEwen, President, Hamilton College (Library Lecture)

\*J. Robert Oppenheimer, Director, Institute for Advanced Study, Princeton

James B. Reston, The New York Times, Washington, D. C.

Robert St. John, foreign correspondent

Ben Shahn, artist

George P. Skouras, President, United Artists Theatre Circuit, Inc.

Red Smith, New York Herald Tribune

Rev. Howard Thurman, Dean, Boston University Marsh Chapel

Andre Trocme, International Fellowship of Reconciliation

\*M. Pierre Uri, Director, Economic Division, European Coal and Steel Community

\*Raymond Vernon, former Acting Director, Office of Economic Defense and Trade Policy, Department of State

\*George Wald, Professor of Biology, Harvard University

Rabbi David H. Wice, Temple Rodeph Shalom, Philadelphia

# Departmental Visitors

Iwao F. Ayusawa, International Christian University, Tokyo, Japan

William L. Batt, President, World Affairs Council, Philadelphia

Frederick E. Benton, Vice-President, Philadelphia Transportation Company

Dr. Earl Bond, phychiatrist, Pennsylvania Hospital, Philadelphia

Erwin D. Canham, editor, The Christian Science Monitor

\*Clifford P. Case, United States Senator from New Jersey

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- H. Van B. Cleveland, Committee for Economic Development, Washington, D. C.
- \*Seymour S. Cohen, Professor of Biochemistry, University of Pennsylvania
- \*Farrington Daniels, Professor of Chemistry, University of Wisconsin
- \*Sir Charles Darwin, former Director of the National Physical Laboratory
- Dr. Russell Dehn, Director, Friends Hospital, Philadelphia
- William Diebold, Jr., Council on Foreign Relations, New York City
- Michael Dunn, clinical psychologist, Devereux Foundation
- \*Loren C. Eiseley, Professor of Anthropology, University of Pennsylvania
- Ernst Feise, Emeritus Professor of German Literature, Johns Hopkins University
- \*Ralph M. Fox, Associate Professor of Mathematics, Princeton University
- \*Erich Fromm, Professor Extraordinary, National University of Mexico
- Charles A. Gilkey, former Dean of Rockefeller Chapel, University of Chicago
- \*Frank P. Graham, United Nations Representative for India and Pakistan
- \*A. I. Hallowell, Professor of Anthropology and Curator of Ethnology, University of Pennsylvania
- Mrs. Beatrice A. Harrison, Regional Secretary. Anti-Defamation League. Philadelphia
- William H. Hastie, Judge, United States Circuit Court, Philadelphia
- \*Denis Healey, Member of Parliament
- \*Melville J. Herskovits, Professor of Anthropology, Northwestern University Dr. Herbert Herskovitz, psychoanalyst, Ardmore, Pa.
- \*Fred Karush, Associate Professor of Biochemistry, University of Pennsylvania
- \*Otto Klineberg, Professor of Psychology, Columbia University
- \*Clyde Kluckhohn, Professor of Anthropology, Harvard University
- \*Paul F. Lazarsfeld, Professor of Sociology, Columbia University
  William M. Lee, First Pennsylvania Banking & Trust Company, Philadelphia
- \*Warner, Love, Lankenau Institute for Cancer Research
- \*Deane Montgomery, Professor of Mathematics, Institute for Advanced Study, Princeton, N. J.
- Ben T. Moore, Council on Foreign Relations, New York City Wright Morris, novelist
- \*Montrose Moses, Rockefeller Institute for Medical Research, New York City
- \*George S. Palade, Rockefeller Institute for Medical Research, New York City
- \*Colin S. Pittendrigh, Associate Professor of Biology, Princeton University
- \*Keith R. Porter, Rockefeller Institute for Medical Research, New York City
- \*James M. Read, United Nations Deputy High Commissioner for Refugees, Geneva

TWELVE

- Bennett Schauffler, Director, National Labor Relations Board, Philadelphia region
- \*Marcel Schein, Professor of Physics, University of Chicago
- \*Robert Serber, Professor of Physics, Columbia University
- \*Lauriston Sharp, Professor of Anthropology, Cornell University
  Michael Stettler, Director, Bernese Historical Museum, Switzerland
- \*James J. Stoker, Professor of Mathematics, New York University

  Kurt Thomas, Conductor and Professor of Music, Detmold and Frankfurt,

  Germany
  - B. E. L. Timmons, Director, European Regional Affairs, Department of State
     Walter B. Woodward, Jr., Brotherhood of Locomotive Firemen and Enginemen
     Paul Yager, Commissioner, Federal Mediation and Conciliation Service,
     Philadelphia

<sup>\*</sup>Philips Visitors

## REPORT OF THE LIBRARIAN

#### 1955-1956

The present prospects and future needs of the Library have become very much clearer during the past year by virtue of the completion in March 1956 of the "Statement of Long-Range Objectives in the Development of the Haverford College Library." This twenty-one page report, and the abundant data which support it, are the result of two years of survey and reflection in which the Library staff, the faculty, and the administration of the College have been equally engaged. Its completion and its endorsement by the faculty at their meeting of April 19, 1956, gives to the administration of the Library a philosophy and a direction which we have not had before. We now know quite clearly what sort of Library Haverford needs to aid and foster her intellectual growth in the years immediately ahead. We know the problems we must face; and we know the steps, we can begin to measure the costs, that must be undertaken to surmount those problems. In reviewing the work of the Library in 1955-1956, it is possible for the first time to state just where and how far we have moved in the direction of the Library we think Haverford needs in the foreseeable future; and it is possible to list also the further jobs we must seek to accomplish in 1956-1957.

# ACHIEVEMENTS IN 1955-1956

Staff

One serious Library-staff need was studied and estimated in a report by the Librarian in March of last year, the need for a substantial increase in Library-staff salaries. In addition, two major staff needs were revealed by the "Statement of Long-Range Objectives": the addition of a trained librarian to our Cataloguing Department, and an increase in the over-all proportion on the staff of professional to non-professional librarians.

Two of these needs and a portion of the third have been met as the College enters the new fiscal year. A substantial increase in the Library-staff salary-scale was put into effect as of September 1, 1956, co-ordinate with the general increase in administrative staff salaries. Also in September 1956 Mrs. Mae E. Craig joined the staff of the Cataloguing Department.

FOURTEEN

Mrs. Craig is an expert cataloguer with twenty years of college library experience; with her help we may expect to achieve not only the cataloguing of many accumulated gifts and special collections but also more prompt and thorough cataloguing of our growing annual acquisitions.

#### Collections

Provision has been made for the early accomplishment of three objectives described in the "Statement" regarding the development of our Library collections:

- 1. The construction of new seminar classrooms on the third floor of Whitall has released Library #3 from classroom use and has given us an excellent headquarters for the Micromaterials Reading Room. Here the microfilm reader and cabinets will be housed, and a reader and shelves provided for microcard and microprint materials. The Micromaterials Reading Room will give us one effective means of combatting the growing space problem, and in future years will enable us to acquire in microform resource materials which would otherwise be unobtainable.
- 2. At the same time it has been possible to move the large mapcollection from the third floor of Sharpless Hall back to the Library. It has been housed conveniently also in Library #3, which thus will become in the course of the current year both a Micromaterials Reading Room and a Geography Reference Room.
- 3. It has also been possible in 1955-1956 to budget for and acquire one of the two major bibliographical resources for which the "Statement" revealed an urgent need: Joseph Sabin's Dictionary of Books Relating to America from its Discovery to the Present Time (New York, 1868-92, 1928-36), in 29 volumes.

#### AGENDA FOR 1956-1957

# Conservation of Shelf-Space

The problem of conserving Library shelf-space is one on which the "Statement" has a good deal to say, and it is one which we must take three steps to meet during the current year:

FIFTEEN]

- Some classifications, particularly those on the second, third, and
  fourth floors of the stack, must be relocated to make room for the
  even growth of our collections. In the process the fifth floor
  shelving-space must be brought into much fuller use.
- 2. A program must be undertaken of weeding out and discarding books in crowded areas which, in the judgment of the faculty, are no longer needed in the Library.
- 3. The possibility of exchanging some long sets for microfilm, microcard, or microprint sets must be explored thoroughly, especially where (as in the Government and International Documents Collections) it might effect substantial saving in space without deterring student use of the works in question.

#### Orientation

The Library leaflet described in the "Statement" should be printed in the current year, providing a map-diagram of the book collections and elementary directions for the use of the Library.

#### Technical Procedures

For the Library staff there are two projects which can and should be undertaken in 1956-1957:

- 1. Conversion of the circulation charging-system from the present double-record to a single-entry system.
- 2. Compilation of a staff-manual must be begun to give ultimately a detailed and exact job-description for each position in the staff-organization.

It hardly needs to be said that, in defining these jobs for 1956-1957 and in charting the Library's course for many years to come, the completed "Statement of Long-Range Objectives" will be of inestimable value.

#### STAFF

There have been two changes in the permanent staff of the Library during the past year. Mrs. Martha Schellenger left her position at the Reserve Book Room in July, and has been replaced this September by

SIXTEEN

Mrs. Sarah Caspar. Miss Katherine Jordan, Secretarial Assistant, left the staff in January and has been replaced by Mrs. Pauline Axelsson. Two members have been added to the staff for the current year: Mrs. Mae Craig, as mentioned above, has joined the Cataloguing Department, and Mrs. James B. Reill, through the generosity of the Shoemaker Fund, has come to the staff to assist in cataloguing Quaker manuscripts.

#### GIFTS RECEIVED

Gifts to the Library during the past year were so numerous as almost to defy summary description. Over one hundred and forty donors—students, faculty, alumni, parents, and other friends of the College—made gifts of books, newspapers, periodicals, and pamphlets which have strengthened our collections in many fields. The following list, extensive though it is, gives but a sampling of the total number of gifts received.

From the American Friends Service Committee, 119 books and pamphlets on international relief work.

From Philip W. Bell, 147 books and many periodicals in economics and foreign affairs.

From Henry Joel Cadbury, '03, 40 books and reprint articles on Quakerism.

From Charles Lyon Chandler, 34 pamphlets published by the Newcomen Society of England.

From Tristram C. Colket, III, '46, 33 books on medicine and surgery.

From Franklin Day, 5 books on history and calligraphy.

From Thomas E. Drake, 5 books on Oriental mysticism.

From Mrs. P. Donald Folwell, 149 books on literature and current affairs.

From Mrs. Arthur Haines, several back-issues of periodicals, and a collection of pictures and other Haverford records of her husband's undergraduate years (1885-1888).

From William S. Hall, 11 volumes of fiction.

From Mrs. Edward Y. Hartshorne, 5 three-decker novels of Anthony Trollope.

From Hanford Henderson, '40, Nesta de Robeck's Music of the Italian Renaissance.

From the estates of Margaretta S. and Walter S. Hinchman, 4 books of poetry and history.

SEVENTEEN]

From Clarence G. Hoag, '93, many back-issues and back-volumes of periodicals.

From the estate of Miss Louisa Hopkins, an extensive collection of musical scores and books on music.

From Loren C. Hurd, the splendid large-folio volume of John and Josiah Boydell's Collection of Prints illustrating the Dramatic Works of Shakespeare (1803).

From Hilda Jaeckel, 368 volumes of French and German classics.

From Richard W. Lloyd, a valuable collection of county and local-property maps.

From Miss Virginia McCall, 6 volumes in the fields of poetry and art.

From William Maul Measey, a splendid bound set of *Robert's Sketches in the Holy Land* (5 vols., 1842-1844). This set was actually received in 1954-55 but by oversight was not recorded in last year's report.

From Clarence E. Pickett, a copy of the Report of the . . . Commission for the Investigation of . . . Bacterial Warfare in Korea and China.

From L. Arnold Post, '11, 7 volumes of current Broadway plays.

From Ira deA. Reid, a complete set of the back-volumes of Phylon.

From John P. Roche, 74 books on politics and current affairs.

From Alan G. Smith, a collection of notebook and other materials on botany and genealogy, and 18 Pennsylvania-German religious works, some of them valuable additions to the Rufus Jones Mysticism Collection.

From Peter Smith, the splendid 14-volume set of Sargent's Silva of North America, given in commemoration of the graduation of his son Michael Smith, '56.

From Edward D. Snyder, 279 books of classics and general literature. From Herman M. Somers, a collection of many Senate hearings,

AFL, CIO, and WPA reports.

From John J. Stoudt, '33, 26 volumes of history, philosophy, mysticism, and German poetry.

From Samuel B. Sturgis, '12, the handsome volume of Boydell's Shakespeare *Prints*.

From Richard M. Sutton, '22, 5 unique photographs of Haverford in the late 1890's, plus Maxfield Parrish's own *Physical Notebook* 

EIGHTEEN

(1889), which will be a treasured companion-volume to the Chemistry Notebook which friends of the College have frequently seen on exhibit.

From the estate of Harry G. Timbres, '21, 133 books and periodicals on Russia.

From Mrs. Joseph B. Townsend, the complete 26-volume set of John Fiske's works.

From Richard H. Warren, '44, the manuscript of a talk by William W. Comfort.

From William Webb, '13, 5 volumes of poetry and numerous backissues of the Haverford *News*.

From Charles N. Welsh, '51, a splendid collection of 91 volumes in philosophy, history, and literature.

From Mrs. Allison Pawling Wesley, 4 volumes of current literature, given in memory of Sara and Francis Pawling.

From Theodore Whittelsey, Jr., '28, 58 volumes, mainly in the field of chemistry.

From Stacey H. Widdicombe, a set of 8 bound volumes of the New York *Times* "News of the Week," 1939-1946.

Mrs. Henry S. Williams, 97 volumes in the fields of literature and history.

From William M. Wills, '04, 4 volumes on education and local history.

From Mrs. Edith Haines Wilson, a valuable set of newspaper clippings of the Haverford cricket tours of 1896 and 1897.

From Mrs. S. B. Campion Wood, many back-issues of *Life* magazine and the *Pennsylvania Magazine*.

One further contribution to the Library deserves special mention. Charles N. Welsh, '51, in addition to the generous gift of books mentioned above, has given and continues to give many hours of valued help in checking, selecting, and processing Library acquisitions. His skill and judgment have been a great asset to us in the work this fall.

#### GIFTS TO OTHER LIBRARIES

We are happy to have been able to make two gifts to other libraries in the past year. Forty-eight volumes of our Quaker duplicates were given to the Library of the new and growing Eastern Baptist Theological

NINETEEN]

Seminary; and, thanks very largely to the Haverford College Service Fund Committee who carried out a campus-wide collection of books, we sent off six large cartons of books and pamphlets to the Asia Foundation in San Francisco, whence they were sent on to the Orient for use by Asian students,

1955-1956 has been a busy year in the College Library. The Library Associates held four meetings on Sunday afternoons in the Treasure Room, in October, November, March, and May. On October 22, 1955, the Renaissance Conference of the Philadelphia Area held their annual meeting at the Library, and a special exhibition of the William Pyle Philips Renaissance Collection was arranged for that occasion. Of the less spectacular but all-important routine business of the Library, the statistics below give a detailed record.

JOHN A. LESTER, JR.

## STATISTICS FOR REPORT OF THE LIBRARIAN

## 1955-1956

| Growth | h of | Coll | ections |
|--------|------|------|---------|
|--------|------|------|---------|

| Total number of volumes (as of August 31, 1956) | 204,420   |
|---|-----------|
| Number of volumes added in 1955-1956:           |           |
| By purchase 3                                   | ,140      |
| By gift   | 685       |
| Government Depository                           | 355       |
| Number of books discarded                       | 150       |
|   |           |
| Circulation                                     |           |
| Faculty and staff borrowings                    | ,364      |
| Students  | ,746      |
| Outside borrowers 4                             | ,272      |
| Total   | 20,382    |
| Books charged out to carrels                    | 467       |
| Total   | 20,849    |
| Reserve Book Room                               |           |
| Books put on reserve                            | 3,002     |
| Reserve book circulation                        | 17,881    |
| Interlibrary Loan                               |           |
| Borrowed  | 350       |
| Loaned  | 730       |
| TW  | ENTY-ONE] |

# REPORT OF THE CURATOR OF THE QUAKER COLLECTION

1955-1956

In our Report last year we looked back upon the history of the Quaker Collection at Haverford, and forward towards its growth and service in the future. This year we shall record some of the details of that growth, and acknowledge the gifts of those who have contributed to it.

#### **ACTIVITIES**

It seemed useful to circulate last year's Report as a pamphlet, *The Quaker Collection at Haverford*, with an appended list of the important donations of Quaker books to the Library since 1833, and a list of the more important published books on Quaker subjects for which the Haverford library furnished material. This we sent to Quaker alumni and to Friends who are friends of Haverford, to recall to their minds the significance of the Quaker Collection and the importance of depositing their Quaker books and family papers in the Collection when they no longer have space for them. The gifts recorded below reflect the response to this encouragement.

Visitors: Twenty-eight scholars used the Treasure Room during the year. Henry J. Cadbury appeared frequently; Elizabeth Gray Vining worked through reams of material for a life of Rufus M. Jones; and William Bacon Evans added to his large files of a Dictionary of Quaker Biography. Local Friends such as Francis R. Bacon, Richmond P. Miller, George and Eleanor C. Emlen, Helen Buckler, and David Keiser came to Haverford on Quaker research missions. Among the four visitors who used the Charles Roberts Autograph Collection was Frances Lichten who brought a photographer and for two days took copies of all our materials relating to American artists for the Archives of American Art at Detroit, Michigan. More than a thousand other visitors, students, and friends of the College came into the Treasure Room, either as individuals or as members of groups holding special meetings there.

Inquiries by mail: Fifty-five people sought help from our staff by mail, on subjects such as William Bartram, Mary Dyer, John Woolman,

[TWENTY-TWO

Quaker work in mental hospitals, conscientious objectors, and Lincoln's Quaker ancestry. We had other questions relating to subjects in the Roberts Autograph Collection, including John Marshall, Alexander Hamilton, and Aaron Burr. But why a woman in Fort Myers, Florida, should ask us about the "seventh son of a seventh son" we do not know!

Meetings in the Treasure Room: After the Freshmen had had a chance to become thoroughly acquainted with the College and to experience Fifth-day Meeting for several months, we invited them in April to come to the Treasure Room and learn for themselves of the rich resources there for a study of the Quaker faith, its history, philosophy, and testimonies. Haverford Friends School sent their oldest class to see the Quaker treasures, while three classes came over from the Haverford School to see the Shakespeare Folios. Professor Sargent also brought his Shakespeare class into the Treasure Room so that they could examine the great plays in their earliest printed form, and Professor MacCaffrey entertained a regional conference of Renaissance scholars here in October. The four meetings of the Library Associates are mentioned in the Librarian's Report.

Exhibits: A pictorial history of American colleges, prepared by Dr. Lockwood for the November meeting of the Library Associates, filled our cases for a month, as did a collection of the poetry and other writings of Professor Richard Lattimore of Bryn Mawr, who spoke before the Library of Associates in March. At the turn of the year we exhibited a series of letters of Woodrow Wilson in connection with the Wilson Centennial Anniversary Celebration. In January and February we displayed some of the letters which the Haverford News published in appreciation of the many-sided activities of President Gilbert White. For the first fully united meeting of the Philadelphia Yearly Meeting of Friends in March, 1956, Haverford joined the Friends Historical Library at Swarthmore in a special exhibition. Two cases of letters, pictures, and books at the Arch Street Meetinghouse relating to Friends and President Lincoln showed something of Friends' keen interest in race relations as well as in the problem of war and peace.

Cataloguing: The special cataloguing project for which we had received the generous assistance of the Thomas H. and Mary Williams Shoemaker Fund reached a successful milestone, with the completion by Mrs. Mae E. Craig and the Library staff of the processing of a backlog of

over nine hundred Quaker books, two hundred early broadsides, and all of our Quaker pamphlets published before 1800. We now turn in 1956-57 from printed materials to an accumulation of over eight thousand Quaker manuscripts, for the arranging and cataloguing of which we have secured the services of Lucille F. Reill, a member of Old Haverford Meeting. Quaker manuscripts to the number of 1954 went through the accessioning process during the past year, as did 101 for the Charles Roberts Autograph Collection.

Friends Historical Association: The Curator's election to the Presidency of Friends Historical Association in January, 1956, comes as another indication of Haverford's contribution to Quaker historical activities through the many years past. The College's participation in the work of Friends Historical Association runs back through a long line of succession, which begins with Isaac Sharpless and Allen C. Thomas, and carries through Rayner W. Kelsey, Amelia Mott Gummere and Lydia Flagg Gummere, Francis R. Taylor, I. Thomas Steere, William Mintzer Wills, William W. Comfort, Henry J. Cadbury, and many other Haverfordians or wives of Haverfordians. The Assistant Curator, Anna B. Hewitt, continues her valuable help to the Association as Assistant Editor and Chairman of the Membership Committee.

#### GIFTS AND ACCESSIONS

Among the more important gifts which came to the Treasure Room during the past year, and during the previous year, when we did not acknowledge recent gifts, we wish particularly to acknowledge our appreciation of those listed below, as well as to mention a few interesting purchases which we made from donations or endowment funds.

## For the Quaker Collection:

From Donald G. Baker, '26, Collegeville, a typed copy of the minutes of Schuylkill Friends Meeting, 1939-1956.

From Albert L. Baily, Jr., '12, Parkersville, 768 manuscripts of his grandfather, Joshua L. Baily (1826-1916).

From the Book Association of Friends, Philadelphia, through Hubert R. Taylor, '38, a contribution of \$70.00 for the purchase of books of a religious, philosophical or Quaker nature.

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- From the late Benjamin Cadbury, '92, a scrapbook of Twelfth Street Meeting, Philadelphia, 1886-1941.
- From Professor Henry J. Cadbury, *The Young Spectator*, a rare and short-lived Philadelphia Quaker periodical of 1856.
- From the estate of President William Wistar Comfort, through Professor Howard Comfort, notes for his course on Quakerism, and material relating to Stephen Grellet.
- From Hiram Doty, Chadds Ford, thirty-two books for the Quaker Fiction collection.
- From J. Passmore Elkinton, '08, Swarthmore, seven letters of Iwao Frederick Ayusawa, '17.
- From Edward W. Evans, '02, Germantown, fifty letters for the Henry Hartshorne Collection.
- From Mrs. P. Donald Folwell, Merion, five Quaker books.
- From Friends Historical Library, Swarthmore College, one hundred pamphlets on the Lawtonites from the estate of Joseph Bancroft.
- From Samuel Graveson, Wye, Kent, England, autograph letters of Joseph Burr, Nathan Sharpless, and Beth Laycock, with a poem addressed to Dr. John Fothergill by Abraham Seaman.
- From Richard M. Gummere, '02, Cambridge, Massachusetts, an account book of Joseph Smith, of Burlington, New Jersey, and a collection of original manuscripts of the Quaker authoress, Abigail Mott.
- From Anna Hartshorne through Anna Cope Evans, Germantown, 1650 letters and papers of Dr. Henry Hartshorne, Class of 1839, teacher at Haverford College and Editor of *Friends Review*.
- From Mrs. Margaret Hess, Devon, through Professor Edward D. Snyder, a print of the burning of Pennsylvania Hall in Philadelphia in May, 1838. The picture is framed in wood from the building.
- From Anna B. and Leonora Hewitt, Philadelphia, fourteen pictures of Burlington, New Jersey, taken from the original sketches by John Collins, Class of 1838, and published in 1847.
- From the Indians Rights Association, Philadelphia, through Lawrence E. Lindley, General Secretary, 215 numbers of the periodical, *Indian Truth*.
- From Mrs. Richard Jenney, Haverford, five Quaker books.
- From Mary Hoxie Jones, Bryn Mawr, letters of Barrow Cadbury and Laura E. Richards, and forty-one Quaker books and pamphlets.

- From Mrs. Thomas R. Kelly and Richard M. Kelly, '58, the holograph manuscript of the *Reality of the Spiritual World* (1942) by the late Professor Thomas R. Kelly.
- From Mrs. W. S. Langfitt, Pittsburgh, four Quaker books and three pamphlets.
- From the estate of Mrs. Howard Longstreth, Haverford, seven Quaker books.
- From Samuel Mason, Jr., '10, Darlington, Maryland, a letter of Jonathan Evans, Jr., 1780, and two eighteenth-century printed epistles.
- From Mrs. F. M. McPhedran, Philadelphia, through Anna Cope Evans, fifteen books and printed items for the Henry Hartshorne Collection, including a copy of the 1881 revision of the New Testament inscribed by Thomas Chase.
- From Arthur J. Mekeel, '31, Kabul, Afghanistan, a photograph of a painting, "A Sermon among the Quakers," by the Italian artist, Magnano.
- From Professor L. Arnold Post, '11, a recent photographic portrait.
- From Katherine Barton Platt, Weston, Massachusetts, five manuscript books and papers from the library of Reverend George A. Barton, '82, including some unique New England Quaker caricatures in verse, and the registers of the Friends Summer Schools of Religious History, held at Haverford and Bryn Mawr in 1900 and 1907.
- From Reverend Carl M. Sangree, '17, West Cummington, Massachusetts, a newspaper clipping giving a picture and account of Green Brook Friends Meetinghouse at Rayville, New York.
- From Sweet Briar College, through President Anne Gary Pannell and Librarian Ethel M. Farr, photostatic copies of reviews of the first edition of Braithwaite's *The Beginnings of Quakerism* (1912).
- From H. Chase Tatnall, Royal Oak, Maryland, two books of Quaker interest, one of which was published by Franklin and Hall in 1752.
- From Mrs. Bernard G. Waring, Germantown, an Epistle of George Fox addressed from Swarthmore Hall in 1679, to Peter Hendricks in Amsterdam, and seventeen miscellaneous Quaker manuscripts.
- From President Gilbert F. White, a portrait of an unidentified Friend (a pyro painting, burned on wood and reinforced by stain).

## For the Charles Roberts Collection of Autographs:

- From Professor Henry J. Cadbury, a letter of Herbert Hoover dated August 23, 1954.
- From Herbert Hoover, New York, through Felix Morley and Archibald MacIntosh, a letter of Beardsley Ruml and newspaper article about Friends in Maryland.
- From Professor Aaron Lemonick, a letter of Sir Charles Darwin (grandson of Charles Darwin, the naturalist).
- From Jan W. Long, '41, Westtown, a letter of Heinz L. Krekeler, German Ambassador at Washington.
- From Acting-President Archibald MacIntosh, twenty-one letters of well-known people, including Leonard Bernstein, Paul Hoffman, Anne Lindbergh, Henry Cabot Lodge, and Richard Nixon.
- From President Gilbert F. White, twenty-seven autograph letters, including those of Chester Bowles, President Eisenhower, Frank Laubach, Governor George M. Leader, Harold E. Stassen, and Norman Thomas.

### For the Haverfordiana Collection:

- From C. Wilfred Conard, Westtown, an invitation to the Haverford Junior Class Exhibition held in April, 1892.
- From Philip Cowan, Phoenixville, an autograph book of William A. Brown, Class of 1843, containing poems inscribed by other Haverford College students.
- From Fred W. Gillespie, Philadelphia, a daguerreotype of Charles Lippincott, Class of 1861, and a genealogy of the Lippincott family.
- From Mrs. H. A. Hamilton, West Hartford, Connecticut, the Haverford College diploma of Joseph Horace Cook, Class of 1881.
- From Seth Mattingly, Detroit, Michigan, fourteen Maxfield Parrish calendars and Christmas cards.
- From Elliston P. Morris, '22, Southampton, sixty-one manuscripts and pictures relating to Haverford College history.
- From John R. Schott, '57, Editor of the *Haverford News*, forty-five letters from well-known people expressing appreciation for the services of Gilbert F. White as President of Haverford College.
- From Isaac Crawford Sutton, Philadelphia, programs of the Haverford College Loganian Society for 1864 and 1866.

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- From Professor Richard M. Sutton, '22, the illustrated Physics Notebook of Maxfield Parrish, '92.
- From Mrs. T. Barclay Whitson, Moylan, 250 glass negatives of photographs of Haverford College buildings, faculty and students taken by the late Thomas Barclay Whitson, '17.
- From President Gilbert F. White, a copy of the first Commencement address given by him in 1947, and the last one in 1955; acceptances of invitation to the inauguration of President White in 1946.

#### Purchases:

- A new etching by Robert Spence, showing George Fox in Carlisle Dungeon, 1653.
- Letterbook, containing 135 letters written by John Cox, Richard Carpenter, and others, mostly addressed to Richard Mott, of Purchase, New York, covering the period 1803-1859.
- Four reels of microfilm copies of Epistles Sent and Epistles Received by London Yearly Meeting, 1683-1829.
- Microfilm copy of a Ph.D. thesis written in 1954 by William Aubrey Alsobrook for Drew Theological Seminary, on "The Mysticism of Rufus M. Jones."
- The Haverford College autograph book of Richard T. Jones, son of Jacob P. Jones, and a member of the Class of 1864.

THOMAS E. DRAKE

## REPORT OF THE MORRIS INFIRMARY

## 1955-1956

## The report for the house patients is as follows:

| 1955-56  | 1954-55 |
|--|---------|
| Patients admitted                              | 87      |
| Total time (days)                              | 297     |
|  |         |
| Diseases are classified as follows:            |         |
| Grippe and respiratory                         |         |
| Intestinal                                     |         |
| Joint conditions                               |         |
| Miscellaneous                                  |         |
|  |         |
| Total number of visits of dispensary patients: |         |
| Medical2,054                                   | 2,210   |
| Surgical 387                                   | 618     |

WILLIAM W. LANDER, M.D.

Total.....2,441

TWENTY-NINE]

2,828

## PUBLICATIONS AND ACTIVITIES OF THE FACULTY

#### 1955-1956

#### ASENSIO, MANUEL J.

Lectures: "Lope de Rueda y el teatro popular en Espana," Bryn Mawr College.

#### ASHMEAD, JOHN, JR.

Articles: "Foreword," in The Poetry of Akiko Yosano, H.H. Honda, trans., pp. iii-iv.

"Foreword," in *The Reeds*, Vol. 2, (published by the Faculty of the English Department, Osaka University of Foreign Studies, Osaka, Japan), pp. i-viii. "Publish or Perish — Socrates!" *American Association of University Professors Bulletin*, 41 (Winter 1955), 716-720.

Fulbright Fellowship, Japan, 1955-1956.

#### BARATZ, MORTON S.

Articles: "The Crisis in Brazil," Social Research, XXII (Autumn 1955), 347-61. "Corporate Giants and the Power Structure," Western Political Quarterly, IX (June 1956), 406-15.

Reviews: James Nelson, The Mine Workers' District 50, in Industrial and Labor Relations Review, XXXI (Jan. 1956), 147.

Herrymon Maurer, Great Enterprise: Growth and Behavior of the Big Corporation, in American Economic Review, XLVI (Sept. 1956), 731-32.

Lectures: "Consumer Credit and the National Economy," Frankford Friends Meeting.

#### BELL, PHILIP W.

Books: The Sterling Area in the Postwar World (Oxford: Clarendon Press, 1956), 434 pp.

Reviews: International Banking and Foreign Trade, in American Economic Review, 46 (September 1956).

S. Schoeffler, The Significance of Economics, annotation for the United States Quarterly Book Review (Spring 1956).

Editorial Work: Editor (International Finance Section - Princeton University):

Essays in International Finance; Special Papers in International Economics;
Studies in International Finance.

Lectures: "Disarmament and World Peace," Women's International League for Peace and Freedom. "United States Foreign Economic Policy," Swarthmore College.

THIRTY

#### BENFEY, O. THEODOR

Articles: "3, 5-Dinitrobenzoates and their 1-Naphthylamine Addition Compounds.

I. Preparation from Alcohols and Esters" (with others), Journal of Organic Chemistry, 20 (1955), 1777.

Articles: "3, 5-Dinitrobenzoates and their 1-Naphthylamine Addition Compounds. II. Preparation from alkyl halides" (with others), Journal of Organic Chemistry, 20 (1955), 1782.

"The Scientist's Conscience: Historical Considerations," Bulletin of Atomic Scientists, 12 (1956), 177.

"Love Came Down," American Friend, 43 (1955), 400.

Reviews: C. P. Snow, The New Men, in Newsletter of the Society for Social Responsibility in Science, No. 41 (1955), 3.

F. Greedy, The Next Step in Civilization, in Newsletter of the Society for Social Responsibility in Science, No. 46 (1956), 3.

#### BENHAM, THOMAS A.

Editor, Science Recorded.

Principal Investigator, Travel Aids for the Blind, Veterans' Administration.

Director, Science for the Blind.

Chairman of Board, Penna. Assoc. for the Blind.

Senior member, Institute of Radio Engineers.

#### BLUESTONE, MAX

Instructor, "Descriptive and Narrative Writing for Resident Psychiatrists," Eastern Pennsylvania Psychiatric Institute.

Reviewer, Cooperative Test Division, Educational Testing Service.

#### BUTMAN, ROBERT H.

Director, American Shakespeare Festival Academy, Stratford, Connecticut.

#### CADBURY, HENRY J

Books: "Acts and Eschatology," in The Background of the New Testament and its Eschatology, edited by W. D. Davies and D. Daube, in Honour of Charles Harold Dodd (Cambridge, England: University Press), 1956, pp. 300-321.

Articles: "The Grandson of Ben Sira," Harvard Theological Review, 48 (October 1955), pp. 219-225; republished in The Bible Translator, 7 (April 1956), pp. 77-81.

"Friends and the Law," Friends Quarterly, 10 (January 1956), pp. 9-14. "New Light from Old Scrolls," The Unitarian Christian, 11 (Dec. 1955), pp. 9-12.

"The Case of Plymouth Meeting Library," Friends Journal, 2 (January 1956), pp. 36-38.

THIRTY-ONE

"A Quaker Tercentenary for America?" Bulletin of Friends Historical Association, 45 (Spring 1956), pp. 3-7.

Remarks at the Memorial Service for Charles J. Rhoads, Bryn Mawr Alumnae Bulletin, 26 (Spring 1956), p. 5.

Editorial Work: "Briefer Notices" and "Research in Progress" department in Bulletin of Friends Historical Association.

"Letters from the Past," occasional column in Friends Journal.

Preaching Engagements: Vassar College, Baccalaureate Service.

Addresses: "New England Quakerism 1656-1956," New England Yearly Meeting of Friends.

"Whittier's Favorite Saint," Annual Meeting of John Woolman Association. Chairman, American Friends Service Committee and its Board of Directors.

Director, Friends Historical Association.

Chairman, Board of Directors, Bryn Mawr College.

Member, Revised Standard Bible Committee.

Resident Lecturer, Pendle Hill.

Visiting Professor of Religion, Bryn Mawr College.

#### CADBURY, WILLIAM E., JR.

Articles: "Progress and Experimentation in Premedical Education," Federation Bulletin, 43 (May 1956), 135-145.

Lectures: "Progress and Experimentation in Premedical Education," Annual Congress on Medical Education and Licensure, Chicago, Illinois.

"Our Campus Colleagues Look at Personnel Work," Panel Discussion, American Personnel and Guidance Association, Washington, D. C.

"Some Effects of Licensing Requirements on Premedical Education," Conference of Premedical Advisers and Students, University of Pennsylvania, Phila., Pa.

Treasurer, American Conference of Academic Deans.

Member, Committee in Charge of Westtown School.

#### CARY, JOHN R.

Lectures: "Theodor Fontane's Berlin Novels," Goethe Society of the District of Columbia, and Goethe Society of Maryland.

"Symbol and Meaning in Stifter's Abdias," Modern Language Association of America, Chicago.

"Germany Today," The Baldwin School.

Member, Board of Overseers of the William Penn Charter School.

#### COMFORT, FORREST

Lectures: "Learning to Learn Faster," Haverford College Alumni Anniversary Meeting.

"Quaker Testimonies and Social Services," Mexican Work Camp Meeting. "American Friends Service Committee work in Mexico and El Salvador." Southern California Quaker Round-up.

THIRTY-TWO

#### COMFORT, HOWARD

Books: Attic and South Italian Painted Vases at Haverford College (Haverford, 1956), 2 pp., 28 plates.

Articles: "Supplementary Terra Sigillata at the American Academy in Rome," Memoirs of the American Academy in Rome, 24 (1956), 49-56.

Reviews: Moro, Beiträge zur älteren europäischen Kulturgeschicht (Festschrift R. Egger), in Am. Journ. Arch., 60 (1956), 82.

de Schaetzen and Vanderhoeven, La Terra Sigillata à Tongres, in Am. Journ. Arch., 60 (1956), 209-10.

Atti del Primo Congresso Internazionale di Studi Liguri, in Am. Journ. Arch., 60 (1956), 210.

Lectures: "Quakerism," Manhasset Friends Meeting.

"U. S. Information Agency," Classical Club, Swarthmore College.

Director, American Philological Association.

#### DRAKE, THOMAS E.

Reviews: William C. Braithwaite, The Beginnings of Quakerism. Second edition. revised by Henry J. Cadbury, Friends Journal, 1, No. 20 (November 12, 1955), 318.

Lectures: "The Advanced Placement Program in History," Private School Teachers Association of Philadelphia and Vicinity.

President, Friends Historical Association.

#### FLIGHT, JOHN W.

Reviews: E. W. Heaton, The Book of Daniel, in Journal of Bible and Religion, 24, No. 3, (July 1956).

Lectures: Six lectures on various subjects, Biblical and Archaeological, Men's Study Group of Bryn Mawr Presbyterian Church; Three lectures on "The Dead Sea Scrolls," Forum of Unitarian Church, Wilmington, Del.; "Biblical and Near Eastern Chronologies," Seventy-niners Club, Bryn Mawr Presbyterian Church; Lecture on resource leader of Corinthian Society and Westminster Fellowship of Bryn Mawr Presbyterian Church.

Chairman, Committee on Research, Society of Biblical Literature and Exegesis.

#### FRIEDRICH, GERHARD G.

Books: "English Composition," (with George R. Creeger), in the College Entrance Examination Board's Advanced Placement Program (1956), pp. 16-20. Articles: "The Single Season" and "A Single Maple Leaf," Phylon, 16 (Third Quarter, 1955), 302.

"Autumnals," Saturday Review, 38, No. 47 (November 19, 1955), 44.

"Theodore Dreiser's Debt to Woolman's Journal," American Quarterly, 7 (Winter 1955), 385-392; also published separately as John Woolman Re-Discovered: The History of Theodore Dreiser's Debt to Woolman's Journal (The John Woolman Memorial Lecture, 1954).

THIRTY-THREE

"Night of Lost Souls" and "Then, Cruising the Caribbean," The Personalist, 37, No. 1 (Winter 1956), 46.

"O for the Child," The Christian Century, 72 (December 21, 1955), 1493.

"Horoscope," Phylon, 17 (First Quarter, 1956), 51.

Report on the Haverford Conference on English Composition and Literature (1956), 19 pp.

Reviews: Harold C. Goddard, Blake's Fourfold Vision, in Friends Journal, 2 (May 12, 1956), 295-296.

John J. Stoudt, Pennsylvania German Poetry, 1685-1830, in The Pennsylvania Magazine of History and Biography, 80 (July 1956), 373-375.

Co-Chairman, National Council of Teachers of English Study Group on Literature and Writing for Qualified Students, New York, March 22-24, 1956.

Director and Chairman, National Conference on Composition and Literature, College Entrance Examination Board Advanced Placement Program, Haverford College, June 28-July 1, 1956.

Examiner in English Composition, College Entrance Examination Board Advanced Placement Program.

#### GORDON, MILTON M.

Books: "Assimilation," in Theodore I. Lenn, (ed.) Workbook and Readings in Sociology (New York: Appleton, Century, Crofts, 1956), pp. 306-07.

Articles: "The Girard College Case: Desegregation and a Municipal Trust." Annals of the American Academy of Political and Social Science, 304 (March 1956), 53-61.

Reviews: Vann C. Woodward, The Strange Career of Jim Crow, in Annals of the American Academy of Political and Social Science, 303 (January 1956), 219. Conference on Jewish Social Studies, Papers and Proceedings of the Tercentenary Conference on American Jewish Sociology, Jewish Social Studies (Vol. XVII, No. 3, July, 1955), in American Sociological Review, 21 (April 1956), 263.

Lectures: "Subcultures in America," American Civilization Workshop, University of Pennsylvania, Philadelphia.

Consultant, Albert M. Greenfield Center for Human Relations, University of Pennsylvania.

#### GREEN, LOUIS C.

Lectures: "Atoms, Stars, and Computations," Amateur Astronomers Association, Inc., American Museum of Natural History.

"Some Attempts to Obtain Ground-State Wave Functions of Considerable Accuracy for Two-Electron Systems," Symposium on Molecular Structure and Spectroscopy, Ohio State University.

Guggenheim Fellowship, 1955-1956.

#### HAVILAND, H. FIELD, JR.

Articles: "Collective Security Arrangements as Instruments of United States Foreign Policy," Research Papers, Army War College, April, 1956.

[THIRTY-FOUR

Reviews: Willard N. Hogan, International Conflict and Collective Security: The Principle of Concern in International Organization, in Amer. Political Science Review, 50, No. 1 (March 1956).

Clyde Eagleton, Waldo Chamberlin and Richard N. Swift, edd., 1954 Annual Review of United Nations Affairs, in American Journal of International Law, 50, No. 3 (July 1956), 711-12.

Editorial work: Member, Board of Editors, International Organization. Reviewer, manuscripts for Brookings Institution, Carnegie Endowment for International Peace, and Prentice-Hall, Inc.

Lectures: "Review of the UN Charter," Hadassah, Phila.; "The UN Record," Haverford League of Women Voters; "U. S. Foreign Economic Policy," Adult Education School, Wayne; "Trends in Haverford College," Haverford Alumni Group, Pittsburgh; "Collective Security Arrangements as Instruments of U. S. Foreign Policy," Army War College, Carlisle; "Functions of Representatives to the Board of Managers," Board-Faculty Dinner, Haverford College; "Impact of New Members in the UN," Representatives of Non-Governmental Organizations to the UN, New York; "U. S. Foreign Aid Program," Women's Professional Group, Philadelphia; "Pattern of Party Politics in the U. S." Executive Training Program, University of Pennsylvania; "Haverford and World Affairs," Haverford Alumni Group, Wilmington, Delaware; "A Life of Service," Germantown Friends School, Philadelphia.

Chairman, Program Planning Committee and member of Executive Committee, World Affairs Council of Philadelphia.

Member, panel discussion, American Political Science Association Convention.

Chairman, Committee on UN Commercial Activities, Commission to Study the Organization of Peace.

Consultant, Brookings Institution and Carnegie Endowment for International Peace.

Member, International Student Affairs Committee, American Friends Service Committee.

Chairman, Foreign Policy Committee, Americans for Democratic Action, Philadelphia.

#### HEATH, DOUGLAS

Articles: "Individual anxiety thresholds and their effect on intellectual performance," Journal Abnormal and Social Psychology, 52 (1956), 403-408.

Lectures: "Psychology as a profession," Radnor High School Career Conference, Radnor, Pa.

#### HETZEL, THEODORE B.

Lectures: "Current Problems of American Indians," Ambler Presbyterian Church; Church of the Advent, Hatboro; First Methodist Church, Moorestown; Ardmore Methodist Church; Ardmore Presbyterian Church. "Self-Help Indian Projects in the Southwest," Fifteenth Street Friends Meeting, New York. "American Indians, Background and Foreground," Germantown Academy; Central Methodist Church, Philadelphia.

Preaching Engagements: World Day of Prayer, Ardmore Presbyterian Church.

THIRTY-FIVE

Chairman, Indian Program Subcommittee, American Friends Service Committee. Vice-President, Society for Social Responsibility in Science.

Member of Board, Indian Rights Association.

#### HOLMES, CLAYTON W.

Consulting Engineer, Alderson & Sessions. Consulting Engineer, Marketer's Research Service

#### HUNTER, HOLLAND

Lectures: "What's Going On In Russia?" Bryn Mawr Current Events Club.

Research Fellow. Russian Research Center, Harvard University, 1st semester, 195556

Member, U. S. Delegation, Conference on Research in the Soviet Field, Bonn, Germany, September 3-8, 1956.

#### JAMES, ROBERT C.

Articles: "Combinatorial Topology of Surfaces," Mathematics Magazine, 29 (October 1955), 1-39.

"Projections in the Space (m)," Proceedings of the American Mathematical Society, 6 (December 1955), 899-902.

Lectures: "A Characterization of Reflexivity," American Mathematical Society, New York.

"Reflexivity and the Supremum of Linear Functionals," Lehigh University Mathematics Colloquium.

#### KELLY, JOHN A.

Article: "Benjamin Borden," Proceedings of the Clarke County Historical Association, 13 (Aug. 1956), 77-80.

Review: Robert T. Clark, Jr., Herder: His Life and Thought, in American German Review, 22, No. 2 (Dec./Jan., 1955-56), 35.

#### LEMONICK, AARON

Articles: "Focussing Atomic Beam Apparatus," (with others), Review Scientific Instruments, 26 (1955), 11-12.

"Nuclear Spins and Hyperfine Separations of Au<sup>198</sup> and Au<sup>199</sup>," (with others), *Physical Review*, 99 (1955), 613.

Frederick Gardner Cottrell Research Fellow, 1955-1957.

Lecturer, Summer Institute for High School Physics Teachers, Univ. of Rochester. Research Collaborator, Cosmotron Department, Brookhaven National Laboratory.

## LESTER, JOHN A., JR.

Articles: "The Library," in Evaluation Report on Juilliard School of Music (December 1955), pp. 6-9.

[THIRTY-SIX

Editorial Work: Editor, Alumni Directory, 1956, Haverford College. Haverford, Pa.

Lectures: "A Search for John Davidson," Philadelphia Literary Fellowship.
"The Relationship between Composition and Literature in the Educational Process," Haverford Conference on Composition and Literature.

Vice-President, Philadelphia Chapter, Association of College and Reference Libraries.

Program Chairman, Spring Conference, Philadelphia Chapter, Association of College and Reference Libraries, May 12, 1956.

Member, Board of Directors, Union Library Catalogue of the Philadelphia Metropolitan Area.

Chairman, Ways and Means Committee, Union Library Catalogue of the Philadelphia Metropolitan Area.

#### LOEWY, ARIEL G.

Articles: "Studies on the Formation of Urea-insoluble Fibrin," (with John T. Edsall), Journal of Biological Chemistry, 211 (December 1955), 829-838.

Editorial consultant, John Wiley, Publishers.

Lectures: "An Introductory course in Cellular Biology," Department of Zoology, Univ. of Pennsylvania.

"The Contractile Proteins of Muscle," (two lectures), Johnson Foundation, University of Pennsylvania.

#### MACINTOSH, ARCHIBALD

Addresses: Alumni luncheon, Washington, D. C.

Alumni dinner, Wilmington, Delaware.

Parents Association, Sidwell School, Washington, D. C.

Parents Association, Elisabeth Irwin High School, New York City.

Chairman, The College Entrance Examination Board.

Overseer, The William Penn Charter School.

Trustee, The Episcopal Academy.

#### MELDRUM, WILLIAM B.

Associate Editor, Journal Franklin Institute.

Contributor, The Catalyst.

Alternate Counsellor, American Chemical Society.

#### OAKLEY, CLETUS

Articles: "Flexagons," (with R. J. Wisner), Bulletin, Amer. Math. Soc., 62 (July 1956), p. 411.

"Polygon Puzzle," Jack and Jill (March 1956), pp. 34-35.

Associate Editor, American Mathematical Monthly.

Lectures: "Thinking is fun — why not try it sometime," Convocation, Occidental College, Los Angeles.

"Flexagons," Mathematics Club, Carleton College, Northfield, Minn.

Examiner, College Entrance Examination Board.

THIRTY-SEVEN]

#### PARKER, FRANCIS H.

Lectures: "The Impact of College on Early Religious Training," Adult Discussion Group, The Church of the Good Shepherd, Guadalajara, Mexico.

#### PFUND, HARRY W.

Reviews: J. Moras and H. Paescke, Deutscher Geist zwischen Gestern und Morgen, in American-German Review, 22, No. 2 (Dec./Jan. 1955-56), 36-37.

Heinz Küpper, Wörterbuch der deutschen Umgangssprache, in American-German Review, 22, No. 6 (Aug./Sept., 1956), 38.

Editorial work: Associate Editor, American-German Review.

Lectures: "German Impressions 1955," German Society of Penna.; Station WDAS, Phila.; Eastern Baptist Church,

President, Carl Schurz Memorial Foundation.

Vice-President and Chairman, Library Committee, German Society of Pennsylvania. Member, Board of Overseers, Erstes Deutsches Reichswaisenhaus, Lahr, Black Forest, Germany.

#### POST, L. ARNOLD

Reviews: A. Koerte and A. Thierfelder, Menandri quae supersunt II, in American Journal of Philology, 77 (April 1956), 214-218.

Editorial work: Editor, Loeb Classical Library: Augustine, City of God I; Plutarch, Moralia, XII.

#### REESE, WILLIAM H.

Articles: Schütz. "O help Jesus, Son of God" (St. John Passion). Chantry Music Press.

President, College Music Association.

Faculty Member, Institute for Church Music, Fremont, Ohio, July 1956.

Faculty Member, Pocono Music Camp (Lutheran Church Music Institute), Summer 1956.

#### REID, IRA DEA.

Articles: "Humanity's Challenge to Religious Man," Christian Social Welfare, 2, No. 5 (December 1955), 57-64.

"The American Negro," in Minority Groups, Joseph B. Gittler, ed.

Editorial Work: Editor (New York: John Wiley and Sons, 1956), pp. 70-83. "Racial Desegregation and Integration," Annals of the American Academy of Political and Social Science, Vol. 304 (March 1956), 211 pp.

Lectures: University of Rochester Human Relations Forum; National Conference on the Churches and Social Welfare of the National Council of Churches, Cleveland; American Orthopsychiatric Society, New York City; American Unitarian Society, Boston; University of Michigan, Social Science Convocation.

Director, Community Chest of Philadelphia.

Member, Executive Committee, Eastern Sociological Society.

Member, Society for the Study of Social Problems.

Member, Program Committee, Edward W. Hazen Foundation.

Member, Governor's Commission on Higher Education (Pennsylvania).

THIRTY-EIGHT

#### REITZEL, WILLIAM

Books: United States Foreign Policy: 1945-1955. Brookings Institution, Washington, 1956.

Lectures: "Decision-Making," Seminar Series for Foreign Naval Officers, Naval War College. "Organization and Decision-Making," Naval War College. "Formulation and Operation of National Strategy," Army War College.

Editorial work: Editorial supervision, "The Political History of the United Nations Charter," The Brookings Institution.

Chairman of Panel, "Two Coalitions Compared," Annual Meeting, American Political Science Association, Sept. 1956.

Chairman of Panel, "Two Collective Security Plans Compared," Annual Meeting, American Political Science Association, Sept. 1956.

Member, Advisory Committee, Southern Regional Education Board.

#### SARGENT, RALPH M.

Editorial Work: Reader, University of Wisconsin Press.

Lectures: "Uncommon Plants of the Southern Appalachians," Philadelphia Botanical Club, Academy of Natural Sciences.

Trustee, Highlands Biological Station.

Member, National Council, American Association of University Professors.

#### SCOTT, ANDREW MACKAY

Articles: "Challenge and Response: A Tool for the Analysis of International Affairs," Review of Politics, 18 (April 1956), 207-226.

Lectures: "The U.N. After Ten Years," Local 56, Amalgamated Food and Allied Workers Union, Camden, New Jersey. "Foreign Policy and Foreign Aid," Local 56, Amalgamated Food and Allied Workers Union, Camden, N. J.

Campaign Chairman, Democratic Party, Haverford Township.

Democratic Committeeman, 5th Ward, Haverford Township.

#### SOMERS, HERMAN M.

Books: The Public's Role in National Policy Formation, Washington: Industrial College of the Armed Forces, 1956.

Articles: "Some Reservations about the Senior Civil Service," Personnel Administration (Jan.-Feb. 1956), pp. 10-18.

"Rehabilitation: Challenge to Compensation Medicine," (with Anne Somers), Social Service Review (December 1955), pp. 383-394.

"The Relevance of Workmen's Compensation to the Veterans' Compensation Program," and "Disability Rating: Veterans Administration contrasted with Workmen's Compensation," in *Compensation for Service-Connected Disabilities*, 84th Cong., 2nd Sess., Committee on Veterans Affairs, House Committee Print No. 281 (August 1956), pp. 172-245.

Reviews: K. C. Wheare, Government by Committee: An Essay on the British Constitution, in Harvard Law Review (May 1956), pp. 1356-1361.

THIRTY-NINE

Lectures: "The Moral Foundations of American Politics," Friends Centre, Brighton, England. "Social Services in America," University of London, London. "Social Security and Local Government in the United States," National and Local Government Officers' Association, Cambridge, England. "Public Opinion and Public Policy," Industrial College of the Armed Forces, Washington, D. C. "British and American Social Security: An analytical comparison," London School of Economics and Political Science.

Senior Fulbright Fellow, London School of Economics and Political Science, Sept. 1955-June 1956.

Visiting Lecturer, College of Europe, Bruges, Belgium, March 1956.

Visiting Lecturer, Curriculum in Administrative Science, University of Bologna, Italy, May 1956.

Member, Executive Board, Inter-University Case Program, New York.

Member, Committee on Education and Publications, Industrial Relations Research Association.

Chairman, Sessions on "The Political Executive and the Senior Civil Service," American Political Science Associaton, Washington, D. C.

Consultant, President's Commission on Veterans' Pensions, Washington, D. C.

Consultant, Council on Industrial Health, American Medical Association, Chicago, T11.

Consultant, Ohio Legislative Service Commission, Columbus, Ohio.

#### STEERE, DOUGLAS V.

Boks: On Listening To Another, New York: Harper, 1955, 71 pp. (American edition of 1955 Swarthmore Lecture.)

Purity of Heart, by Sören Kiergegaard (translated from the Danish), New York: Harper, 1938-1948, Torchlight Series Paperback Edition, 1956.

Articles: "W. W. Comfort," The Friend (London).

"The Christian Approach To The World Religions," Friends Journal, 2, nos. 31 and 32 (Aug. 4-11, 1956), 492-494, 509-511.

Reviews: Annual Omnibus review of 14 books on the spiritual life, Ecumenical Review, 8, No. 2 (Geneva, Switzerland, January 1956), 214-17.

T. H. Croxall, Meditations from Kierkegaard, in Westminster Bookman, 14, No. 4 (December 1955).

Homer Jack, The Gandhi Reader in Progressive, 20, No. 5 (May 1956), 37-38.

Howard Thurman, Deep River in Intercollegian, 73, No. 8 (April 1956), 23. Phillip Ashby, The Conflict of Religions, in Journal of Religious Thought, 18, No. 2, 156-7.

Alan Watts, Myth and Ritual in Christianity, in Journal of Religious Thought, 18, No. 2 (1956), 155-6.

Editorial work: Consultant on Religious Books, Harper and Bros.

Editorial Consultant, Faith Today.

Lectures: Westervelt Lectures (4), Presbyterian Theological Seminary, Austin. Texas. Methodist Clergy of Ohio (4), Ohio Wesleyan College, Delaware, Ohio; Annual Series (4), Episcopal Pacifist Fellowship, Seabury House,

FORTY

Greenwich, Conn.; "The Ground of the Social Message of the Friends," Evening Lecture, Five Years Meeting of Friends, Richmond, Ind.; "The Christian Approach to the World Religions," Evening Lecture, Cape May Conference of Friends, Cape May, N. J.; "Freedom and Discipline," Madison Avenue Presbyterian Church: "On Human Darkness," Twelfth Street Friends Meeting Lenten Series; "When Buddhism, Hinduism, and Christianity Meet," Council of Churches, Harrisburg, Pa.; "The Nature of Prayer," Church of Holy Redeemer Guild, Bryn Mawr, Pa.; Lectures on aspects of Quakerism, Merion Friends Meeting, Yardley Friends Meeting, Minneapolis Friends Meeting and Pittsburgh Friends Meeting. Lectures on aspects of African life, Conference on Quaker Outreach, Washington, D. C., Radnor, Haverford, Abington, Gwynned, Cambridge, South Hadley, Mass.; Montclair, N. J., Westbury, L. I., Granville, Ohio, and Austin, Texas, Friends Meetings; Church of Holy Trinity, Philadelphia; Haverford College Library Associates; Forum Lecture, Ursinus College; Lebanon Valley College; Dartmouth College; Germantown Friends School Seniors. Retreats: Clergy of Diocese of South Carolina; Ministers of Lancaster, Pennsylvania; Ministers of Westerly, Rhode Island; Wainwright House; Board and Council of Kirkridge; Radnor Meeting; Montclair, N. J. Meeting.

Preaching Engagements: Cornell; Connecticut College; Dartmouth; Hamilton; Kenyon; Mt. Holyoke; Union; Wells; Flower Sermon, Episcopal Cathedral, St. Louis, Mo.: First Presbyterian Church, Fort Worth, Texas; Fellowship House Series, First Unitarian Church, Philadelphia. Commencement and Baccalaureate Addresses: Friends Boarding School, Barnesville, Ohio; Moorestown Friends School; Shipley School.

Chairman, American Section, International Fellowship of Reconciliation.

Chairman, Board of Managers, Pendle Hill.

Member, World Council of Churches Commission on Theologians on Christian Responsibility and the Prevention of War in the Atomic Age.

Member, Foreign Service Executive, International Centers and Africa Committees of American Friends Service Committee.

Member, Board of Trustees, John Woolman Memorial; St. Martins House and Wainwright House.

#### SUTTON, RICHARD M.

Books: College Physics (with D. A. Keys), Fourth Edition, Boston: D. C. Heath & Co., 1956, 660 pp.

Articles: "Of Time and the Sun," Physics Today, 9, No. 6 (June 1956), 15-19. "Two Notes on Walking," Amer. Ir. of Physics (Nov. 1955). "A Problem in Balancing," Amer. Ir. of Physics (Nov. 1955).

Lectures: Oak Ridge Institute for Nuclear Studies, Summer, 1956: Hill Family Foundation Visiting Lecturer at Gustavus Adolphus College, Cept., 1955 to Jan., 1956 (7 lectures), "When the Sun Goes Out"; "A Scientist Looks at the Humanities"; "Of Time and the Calendar"; "Simplicity in Demonstration," Minn. Assn. of Physics Teachers; "Solar Eclipses," at Hamline University, St. Paul, Minn.; Demonstration Experiments at St. Olaf's College, Northfield,

Minn., and Macalester College, St. Paul, Minn.; Minnesota Academy of Sciences, Science Fair, Duluth, Minn.; University of Minnesota at Duluth, Minn.; General Electric Science Fellows program, Case Institute of Technology, Summer 1956.

Preaching Engagements: Chapel at Gustavus Adolphus College; Chapel at Carleton College, Northfield, Minnesota.

Member, Committee on Science and the Arts, Franklin Institute.

Committee on College Evaluation for the Presbyterian Synod of Virginia, 1956.

#### SWAN, ALFRED I.

Books: "First meeting with Medtner," and "Medtner and the music of our time," in Nicolas Medtner: Memorial Volume, London: Dobson, 1956, pp. 26-37.

Articles: "Something about the Znamenny (Chant)," Report for Viennese Congress of Liturgical Music (October 1954), pp. 87-88.

Lectures: "Brief survey of Russian Music," for the Russians in Utica, N. Y.

"Introduction to Concert of Liturgical Music," St. Bartholomew's Church,
New York: "The Moscow composers of 1910," Philadelphia Chapter,
American Musicological Society.

Performances: Heirmos for five voices, by the Choir of the Russian Synodal Church, St. Bartholomew's, New York, March 11, 1956.

Honorary Curator, Russian Society ("Bessieda"), Philadelphia.

## TEAF, HOWARD M., JR.

Books: Hands Across Frontiers: Case Studies in Technical Cooperation. The Hague: Netherlands Universities Foundation for International Cooperation; Ithaca, N. Y.: Cornell University Press, 1956, 579 pp. (Co-editor, with Peter G. Franck, and author of case study, "Origins of a Private Village Development Project — American Friends Service Committee in India.")

Articles: "Het American Friends Service Committee en de Internationale Samenwerking in de Gemeenschapsontwikkeling," *De Vriendenkring* (Amsterdam) (January 1956), pp. 8-14.

Lectures: "International Technical Cooperation — in a Political World," Chestnut Hill Friends Meeting. "Some Challenges to International Technical Cooperation," Koinonia Foundation, Pikesville, Md. "Technical Cooperation Projects in the Holy Land," Oak Park United Presbyterian Church, Phila. "Colleges Facing the Population Boom," Haverford Society of Washington.

Chairman, Subcommittee on Social and Technical Assistance, American Friends Service Committee.

Member, Committee of Quaker Economists on Economic Impact of Armament Reduction.

Labor arbitrator.

Insurance Consultant, Commonwealth of Pennsylvania.

FORTY-TWO

#### WISNER, ROBERT J.

Articles: "A Note on Torsion-Free Nil Groups" (with Rimhak Ree), Proceedings of the American Mathematical Society, 7 (February 1956), 6-8.

"Solutions to Problems E1147, E1151, E1152, E1181, E1185," American Mathematical Monthly, 63 (1956).

"Solutions to Problem 4640" (with A. H. Frey, Jr.), American Mathematical Monthly, 63 (1956).

"Flexagons," American Mathematical Monthly, 63 (May 1956), 361.

"Flexagons" (with Cletus O. Oakley), Bulletin of the American Mathematical Society, 62 (July 1956), 411.

Lectures: "Flexagons," Mathematical Association of America, Philadelphia Section, University of Pennsylvania. "Flexagons" (with C. O. Oakley), American Mathematical Society, U. S. Naval Postgraduate School, Monterey, California.

#### WYLIE, LAURENCE

Reviews: Social and Political France, Yale French Studies, No. 15, in French Review (Oct. 1955), 77-78.

François Goguel, Le Régime politique français, in French Review (Oct. 1955), 80-81.

M. Reinhard and N. Durourcq, Histoire de France, in French Review (Dec. 1955), 190.

Julian Park, ed., The Culture of France in our Time, in French Review (Dec. 1955), 191-92.

Edward Mead Earle, ed., Modern France, in French Review (Dec. 1955), 193-195.

Hans Kohn, Making of the French Mind, in French Review (Jan. 1955), 258. Supplément au Larousse du XXe Siècle, in French Review (Jan. 1956), 258-259.

Patrick Charvet, France, in French Review (May 1956), 508-509.

Editorial work: Associate Editor, Symposium.

Associate Editor, French Review.

Lectures: "French Politics in Perspective," Beaver College. "Foreign Languaegs in the Grades," Schoolman's Week, Univ. of Penna. "Values in the Area Approach to the Teaching of Foreign Cultures and Peoples," Conference on Undergraduate Area Studies, Colgate University

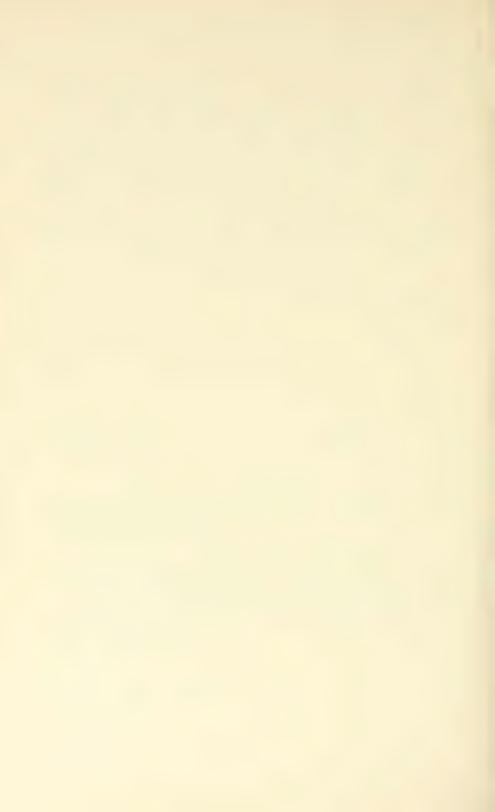
Ford Faculty Fellowship, 1955-1956,

Member, Committee of Examiners in French, College Entrance Examination Board.

Member, Scholarship Committee, American Friends Service Committee.

Member, Board of Overseers of Haverford Monthly Meeting.

Director, Philips Conference on French Community Studies, Haverford College, September 9-12, 1956.







# Haverford College Bulletin



Directory, 1956 - 1957

VOLUME LV

NUMBER THREE

January, 1957

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 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 \$8,300,000. 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.

| 1956  |      |    |    |    |    |    |    |       |    |    |    |    |    |    |    |
|-------|------|----|----|----|----|----|----|-------|----|----|----|----|----|----|----|
|       | 1 =  |    |    |    |    |    |    | 30    |    |    |    |    |    |    |    |
|       | S    | M  | T  | W  | T  | F  | S  |       | S  | M  | T  | W  | T  | F  | S  |
| Sept. |      |    |    |    |    |    | 1  | Nov.  |    |    |    |    | 1  | 2  | 3  |
|       | 2    | 3  | 4  | 5  | 6  | 7  | 8  |       | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
|       | 9    | 10 | 11 | 12 | 13 | 14 | 15 |       | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
|       | 16   | 17 | 18 | 19 | 20 | 21 | 22 |       | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|       | 23   | 24 | 25 | 26 | 27 | 28 | 29 |       | 25 | 26 | 27 | 28 | 29 | 30 |    |
|       | 30   |    |    |    |    |    |    |       |    |    |    |    |    |    |    |
|       |      |    |    |    |    |    |    | Dec.  | :  |    |    |    |    |    | 1  |
| Oct.  |      | 1  | 2  | 3  | 4  | 5  | 6  |       | 2  | 3  | 4  | 5  | 6  | 7  | 8  |
|       | 7    | 8  | 9  | 10 | 11 | 12 | 13 |       | 9  | 10 | 11 | 12 | 13 | 14 | 15 |
|       | 14   | 15 | 16 | 17 | 18 | 19 | 20 |       | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|       | 21   | 22 | 23 | 24 | 25 | 26 | 27 |       | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
|       | 28   | 29 | 30 | 31 |    |    |    |       | 30 | 31 |    |    |    |    |    |
|       | 1957 |    |    |    |    |    |    |       |    |    |    |    |    |    |    |
|       | S    | M  | T  | W  | T  | F  | S  |       | S  | M  | T  | W  | T  | F  | S  |
| Jan.  |      |    | 1  | 2  | 3  | 4  | 5  | Apr.  |    | 1  | 2  | 3  | 4  | 5  | 6  |
|       | 6    | 7  | 8  | 9  | 10 | 11 | 12 |       | 7  | 8  | 9  | 10 | 11 | 12 | 13 |
|       | 13   | 14 | 15 | 16 | 17 | 18 | 19 |       | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|       | 20   | 21 | 22 | 23 | 24 | 25 | 26 |       | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
|       | 27   | 28 | 29 | 30 | 31 |    |    |       | 28 | 29 | 30 |    |    |    |    |
| Feb.  |      |    |    |    |    | 1  | 2  | May   |    |    |    | 1  | 2  | 3  | 4  |
| 1 000 | 3    | 4  | 5  | 6  | 7  | 8  | 9  | Ividy | 5  | 6  | 7  | 8  | 9  | 10 | 11 |
|       | 10   | 11 | 12 | 13 | 14 | 15 | 16 |       | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
|       | 17   | 18 | 19 | 20 | 21 | 22 | 23 |       | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|       | 24   | 25 | 26 | 27 | 28 |    |    |       | 26 | 27 | 28 | 29 | 30 | 31 |    |
|       |      |    |    |    |    |    |    |       |    |    |    |    |    |    |    |
| March |      |    |    |    |    | 1  | 2  | June  |    |    |    |    |    |    | 1  |
|       | 3    | 4  | 5  | 6  | 7  | 8  | 9  |       | 2  | 3  | 4  | 5  | 6  | 7  | 8  |
|       | 10   | 11 | 12 | 13 | 14 | 15 | 16 |       | 9  | 10 | 11 | 12 | 13 | 14 | 15 |
|       | 17   | 18 | 19 | 20 | 21 | 22 | 23 |       | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
|       | 24   | 25 | 26 | 27 | 28 | 29 | 30 |       | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
|       | 31   |    |    |    |    |    |    |       | 30 |    |    |    |    |    |    |

College days in heavy-face type.

## Calendar

## 1956-1957

| New students arriveSept. 2   | 0   |
|--|---|
| Registration of all new students   | :5  |
| Returning students arriveSept. 2   | 4   |
| Beginning of College year with Collection, 9 A.MSept. 2  | 6   |
| Registration of returning students to be filed by 4 P.M Sept. 2  | 6   |
| First semester classes begin 8 A.M Sept. 2   | :7  |
| Thanksgiving vacation begins 1 P.M. Nov. 2 ends 8 A.M. Nov. 2  |   |
| Registration (Spring Term)   | .3  |
| Christmas vacation begins noon   |   |
|  | .7  |
| First semester classes end, 4 P.M  |   |
|  | 2   |
| All papers assigned must be turned in by 4 P.M.*   |   |
| All papers assigned must be turned in by 4 P.M.*  Mid-year examinations (dates inclusive) **   | 4   |
| All papers assigned must be turned in by 4 P.M.*  Mid-year examinations (dates inclusive) **   | 4 1 23  |
| All papers assigned must be turned in by 4 P.M.*  Mid-year examinations (dates inclusive) **   | 4<br>1<br>23<br>1                               |
| All papers assigned must be turned in by 4 P.M.*  Mid-year examinations (dates inclusive) ** Jan. 21-Feb.  Second semester classes begin 8 A.M. Feb.  Applications for Fellowships for 1957-58 must be filed by Mar.  Spring vacation begins noon Mar. 2 ends 8 A.M. Apr.  | 4<br>1<br>23<br>1                               |
| All papers assigned must be turned in by 4 P.M.*  Mid-year examinations (dates inclusive) ** Jan. 21-Feb.  Second semester classes begin 8 A.M Feb.  Applications for Fellowships for 1957-58 must be filed by Mar. 2 ends 8 A.M Apr.  Major registration cards for men in the fourth term must be filed by 4 P.M Apr. 1   | 1 1 0 1 5                                       |
| All papers assigned must be turned in by 4 P.M.*  Mid-year examinations (dates inclusive) **   | 1 23 1 0 5                                      |
| All papers assigned must be turned in by 4 P.M.*  Mid-year examinations (dates inclusive)** Jan. 21-Feb.  Second semester classes begin 8 A.M Feb.  Applications for Fellowships for 1957-58 must be filed by Mar. 2 ends 8 A.M Apr.  Major registration cards for men in the fourth term must be filed by 4 P.M Apr. 1  Applications for Scholarships for 1957-58 must be filed by Apr. 1  Manuscripts in competition for prizes must be filed in the Registrar's Office by 4 P.M May   | 4<br>1<br>23<br>1<br>0<br>5                     |
| All papers assigned must be turned in by 4 P.M.*  Mid-year examinations (dates inclusive) ** Jan. 21-Feb.  Second semester classes begin 8 A.M Feb.  Applications for Fellowships for 1957-58 must be filed by Mar. Spring vacation begins noon Mar. 2 ends 8 A.M Apr.  Major registration cards for men in the fourth term must be filed by 4 P.M Apr. 1 Applications for Scholarships for 1957-58 must be filed by Apr. 1 Manuscripts in competition for prizes must be filed in the Registrar's Office by 4 P.M May  Registration (Fall Term)   | 4<br>1<br>23<br>1<br>1<br>0<br>1<br>3<br>1<br>8 |
| All papers assigned must be turned in by 4 P.M.*  Mid-year examinations (dates inclusive) ** Jan. 21-Feb.  Second semester classes begin 8 A.M. Feb.  Applications for Fellowships for 1957-58 must be filed by Mar.  Spring vacation begins noon Mar. 2 ends 8 A.M. Apr.  Major registration cards for men in the fourth term must be filed by 4 P.M. Apr. 1  Applications for Scholarships for 1957-58 must be filed by Apr. 1  Manuscripts in competition for prizes must be filed in the Registrar's Office by 4 P.M. May  Registration (Fall Term) May 1, 2,  Second semester classes end 12 noon May 1  All papers assigned must be turned in by 4 P.M.* | 4<br>1<br>23<br>1<br>10<br>15<br>1<br>3<br>18   |

<sup>\*</sup>If a paper is assigned in place of the final examination in a course the date by which it is due may be set by the instructor not later than 4 P.M. on Tuesday of the final week of the examination period. Late papers will receive no credit unless arrangements have been made *in advance* with the instructor in the course and the Dean.

<sup>\*\*</sup>Laboratory notebooks must be turned in not later than the scheduled time of the examination in the course. Late notebooks will receive no credit unless arrangements have been made in advance with the instructor in the course and the Dean. In courses which have no scheduled examination, notebooks must be turned in by 4 P.M. on Tuesday of the final week of the examination period.

## HAVERFORD COLLEGE

## Campus Activities Calendar 1956 - 1957

| September | 27    | First semester classes begin  |
|-----------|-------|-------------------------------|
| October   | 5     | Cross Country                 |
| October   | 6     | Football                      |
| October   | 19    | Cross Country                 |
| October   | 20    | Soccer                        |
|           | 24    | Soccer                        |
| October   | 26-27 | ~~~~                          |
| October   |       | Drama Club                    |
| October   | 27    | Homecoming                    |
| October   | 27    | Sophomore Dance               |
| October   | 27    | Football                      |
| October   | 27    | Soccer                        |
| October   | 30    | Soccer                        |
| November  | 2     | Cross Country                 |
| November  | 3     | Football                      |
| November  | 5     | Cross Country                 |
| November  | 9-11  | Mozart Festival               |
| November  | 9     | Cross Country                 |
| November  | 10    | Soccer                        |
| November  | 11    | Friends of Music              |
| November  | 17    | Football                      |
| November  | 17    | Soccer                        |
| November  | 17    | Varsity Club Dance            |
| December  | 1     | Basketball                    |
| December  | 8     | Basketball                    |
| December  | 12    | Basketball                    |
| December  | 13    | Christmas Program             |
| December  | 14    | Wrestling                     |
| January   | 5     | Fencing                       |
| January   | 12    | Basketball                    |
| January   | 18    | Fencing                       |
| February  | 3     | Friends of Music              |
| February  | 4     | Second Semester classes begin |
| February  | 6     | Basketball                    |
| February  | 6     | Wrestling                     |
| February  | 9     | Basketball                    |
| February  | 9     | Wrestling                     |
| February  | 13    | Basketball                    |
| February  | 16    | Basketball                    |
| February  | 20    | Basketball                    |
|           |       |                               |

## Campus Activities Calendar 1956 - 1957 (Continued)

| February       | 23       | Basketball                      |
|----------------|----------|---------------------------------|
| February       | 23       | Fencing                         |
| February       | 23       | Orchestra and Chorus Concert    |
| February       | 27       | Fencing                         |
|                |          |                                 |
| March          | 7-8      | Class Night                     |
| March          | 9        | Junior Prom                     |
| March          | 10       | Friends of Music                |
| April          | 3        | Baseball                        |
| April          | 5        | Golf                            |
| April          | 6        | Glee Club Concert               |
| April          | 10       | Baseball                        |
| April          | 10       | Golf                            |
| April          | 11       | Golf                            |
| April          | 16       | Track                           |
| April          | 17       | Tennis                          |
| _              | 17       | Baseball                        |
| April          | 20       | Baseball                        |
| April<br>April | 24       | Baseball                        |
|                | 24       | Track                           |
| April          | 24       | Tennis                          |
| April          | 26       | Golf                            |
| April          | 20<br>27 | Baseball                        |
| April          |          |                                 |
| April          | 29       | Tennis                          |
| May            | 4        | Baseball                        |
| May            | 4        | Senior Dance                    |
| May            | 6        | Golf                            |
| May            | 6        | Tennis                          |
| May            | 7        | Track                           |
| May            | 10-11    | Drama, Glee and Orchestra Clubs |
| · ·            |          | (Joint Production)              |
| May            | 15       | Baseball                        |
| May            | 17       | Golf                            |
| May            | 18       | Baseball                        |
| June           | 7        | Commencement                    |
| o di i c       | •        | Commencement                    |

Note: There will be no additions or postponements without prior arrangement with the Committee on Student Affairs.

#### ACADEMIC YEAR 1956 - 1957

#### DIRECTORY

#### FACULTY AND STAFF

Residence Haverford, unless

otherwise noted

Name

Telephone

Midway, unless otherwise noted

Office

| (B.I                                  | M.= Bryn Mawr, H.C.= Haverfo                               | rd College)            |                       |
|---------------------------------------|--|------------------------|-----------------------|
| Ambler, William W.                    | Franklin Park Apts., Chew<br>St. & Washington Lane, Phila. | GE 8-9781              | Admissions            |
| Andrews, Florence N.                  | 26 Pine Valley Rd., Broomall                               |                        | Dean's Office         |
| Archfield, Dorothy B.                 | 670 Woodcrest Ave., Ardmore                                |                        | Tel. Operator         |
| Asensio, Manuel J.                    | 500 Oakley Road  | 2-4163                 | Williams House        |
| ***Ashmead, John, Jr.                 | P.O.Box 175, Athens College,                               | Athens, Greek          | ce                    |
| Baratz, Morton S.                     | 145 Gable Road, Paoli                                      | Paoli 3901             | Whitall 10            |
| ***Bell, Philip W.                    | 5 Augustus Road, London S.W                                | . 19, England          |                       |
| Benham, Thomas A.                     | 3 College Lane   | 2-6044                 | Sharpless 101         |
| *Bernheimer, Richard M.               | 225 N. Roberts Road, B.M.                                  | LA 5-6693              | Bryn Mawr College     |
| Berry, Alice M.                       | 678 Lancaster Pike, Berwyn                                 | Ber. 0225              | President's Office    |
| Bhatti, Iftikhar H.                   | 1 College Lane   | 9-9433                 | Sharpless 209         |
| Blessing, Ruth L.                     | Infirmary, H.C.  | 9-9603                 | Infirmary             |
| Bluestone, Max                        | 3 College Lane   | 2-8125                 | Founders 303          |
| Bramall, Norman B.                    | 260 Margate Rd., Upper Darby                               |                        | Gymnasium             |
| Bramall, Raymond                      | 554 Broadview Road,<br>Beverly Hills                       | FL 2-5581              | Gymnasium             |
| Butman, Robert H.                     | 3-D, 10 Railroad Avenue                                    | 9-9002                 | Whitall 14            |
| Cadbury, Henry J.                     | 774 Millbrook Lane   | 2-1739                 | Library 49            |
| caabary, menry o.                     | TI MATERIAL COST DESIGNATION                               | 2 1100                 | (2nd, sem.)           |
| Cadbury, William E., Jr.              | 791 College Avenue   | 2-0203                 | Dean                  |
| Carr, Edytha M.                       | 154 W. Eagle Road, Oakmont                                 | HI 6-9562              | Registrar             |
| Cary, John R.                         | 627 Walnut Lane  | 2-3203                 | Whitall 11            |
| Caselli, Aldo                         | 6 College Circle   | 2-5562                 | Business Manager      |
| Caspar, Sarah L.                      | 104 Rose Lane  | 2-9954                 | Library staff         |
| Coelho, George V.                     | 773 College Avenue   | 2-6429                 | Sharpless 306         |
| Comfort, Forrest D.                   | 108 Chestnut Ave., Narberth                                | MO 4-3717              | Roberts, 1st fl.      |
| Comfort, Howard                       | 901 Rock Creek Rd., B.M.                                   | LA 5-4578              | Sharpless 301         |
| Conner, Robert L.                     | 227 N. Roberts Rd., B.M.                                   | LA 5-3539              | Sharpless 209         |
| Cooper, Bennett S.                    | 4 College Lane   | 2-6724                 | Alumni Secretary      |
| Craig, Mae E.                         | 5011 Bond Ave., Drexel Hill                                | SU 9-6876              | Library staff         |
| Culbert, Craig D.                     | 335 Sycamore Ave., Merion                                  | MO 4-8124              | Chem.Lab.15           |
| ***deGraaff, Frances                  | Lange Kerkdam 74, Wassenaa                                 |                        | Daalastana IIvian     |
| Docherty, Patricia                    | 5 Williams Road  | LA 5-6335              | Bookstore, Union      |
| Docherty, William, Jr.                | 5 Williams Road  | LA 5-6335<br>HI 7-1601 | Gymnasium<br>Business |
| Donovan, Janet L.<br>Drake, Thomas E. | 237 Signal Rd., Drexel Hill                                | LA 5-1534              | Library, Treas. Rm.   |
| Ely, Daniel B.                        | 650 Clyde Road, B.M.<br>103 Dudley Ave., Narberth          | MO 4-8227              | Coop, Union           |
| Flight, John W.                       | 791 College Avenue   | 9-1668                 | Sharpless 304         |
| Foss, Martin                          | 1a College Lane  | 2-1599                 | Library 48            |
| Foster, Catherine S.                  | 2008 Laurel Rd., Havertown                                 | HI 6-2645              | Registrar's Office    |
| Friedrich, Esther B.                  | 3 College Lane   | 2-7414                 | Library staff         |
| Friedrich, Gerhard G.                 | 3 College Lane   | 2-7414                 | Library 50            |
| Goldberger, Else                      | Cedar Grove Rd., Media                                     | EL 6-3927              | Library staff         |
| Gordon, Milton M.                     | 2-A, 10 Railroad Avenue                                    | 9-0931                 | Library 46            |
| Gordon, R. Henri                      |  | Wayne 2970             | Gymnasium             |
| Gove, Betty Anna                      | 664 Woodcrest Ave., Ardmore                                | e 2-6777               | Business              |
| Green, Louis C.                       | 791 College Avenue   | 9-0265                 | Observatory           |
| Gross, Barbara M.                     | 2004 Laurel Rd., Havertown                                 | HI 6-0444              | Bookstore, Union      |
| **Gutwirth, Marcel M.                 | 8 College Lane   | 9-2266                 | Library 44            |
| Haddleton, Alfred W.                  | 29 Tenmore Road  | LA 5-1235              | Gymnasium             |
|                                       |  |                        |                       |

## (B.M.= Bryn Mawr, H.C.= Haverford College)

| (B.I                                    | M.= Bryn Mawr, H.C.= Haverfo                | ord College)   |                               |
|---|---|----------------|-------------------------------|
| Harter, Gerald S.                       | 2511 Grand Ave., Holmes                     | WA 8-1394      | Gymnasium                     |
| ***Haviland, H. Field, Jr.              | 3405 Ashley Terrace, N.W., V                | Washington, D. | C.                            |
| Heath, Douglas H.                       | 48 Wentworth Lane,<br>Rosemont              | LA 5-6792      | Sharpless 308                 |
| Hecht, J. Jean                          | c/o Mrs. H. Shaw,<br>County Line Rd.        | 2-2436         | Library 40                    |
| Herndon, John G.                        | 1 College Lane                              | 2-0364         |                               |
| Hetzel, Theodore B.                     | 768 College Avenue                          | 2-4393         | Hilles, 2nd fl.               |
| Hewitt, Anna B.                         | 245 S. 38th St., Phila. 4                   | EV 6-4946      | Library, Treas.Rm.            |
| Hiscott, Margaret E.                    |   | Wayne 4033     | Gymnasium                     |
| Holmes, Clayton W.                      | 2 College Circle                            | 9-9651         | Hilles, 1st fl.               |
| Hunter, Holland                         | Woodside Cottage, H.C.                      | 9-2780         | Whitall 32                    |
| Hurlimann, Theodore                     | 20 N. Wyoming Ave., Ardmor                  |                | Sharpless 104                 |
| Hyslop, Constance                       | 516 Panmure Road                            | 2-7395         | Library staff                 |
| James, Robert C.                        | Featherbed Lane, H.C.                       | 9-9736         | Founders 105                  |
| Janschka, Fritz                         | Wyndham Studio,                             | LA 5-2544      | Bryn Mawr College             |
| banschaa, Fitz                          | Merion Ave., B.M.                           | DA 0-2011      | Diyii Mawi College            |
| Kelly, John A.                          | 2-B, 10 Railroad Avenue                     | 9-9412         |                               |
| Kelly, J. Wallace                       | 27 S. Wyoming Ave., Ardmore                 |                |                               |
| Kipping, Margery P.                     | 1-A, 30 Hannum Dr., Ardmor                  | e 2-5070       | Alumni Office                 |
| Krasauskas, Marija K.                   | 7 College Lane                              | 9-1485         | Library staff                 |
| Lander, Dr. Wm. W.                      | 139 Fairfax Rd., Rosemont                   | LA 5-4363      | Infirmary                     |
| Lemonick, Aaron                         | 7 College Lane                              | 9-1485         | Sharpless 108                 |
| Lester, John A., Jr.                    | 5 College Circle                            | 2-6310         |                               |
| Leute, George M., Jr.                   | 325 Wayne Ave., Lansdowne                   | CL 9-3406      | Library, 1st fl.<br>Gymnasium |
| Lockwood, Dean P.                       | 2 College Circle                            | 9-9330         | Library                       |
| Loechel, Anne F.                        | 19 Summit Grove Ave., B.M.                  | LA 5-7649      | Observatory                   |
|   | 114 Linwood Ave., Ardmore                   | 2-0682         | Sharpless 201                 |
| Loewy, Ariel G.<br>Lunt, William E.     | 5 College Lane                              | 9-2315         | Sharpless 201                 |
| Maass, Joachim                          | c/o Dr. Pfund                               | 2-5532         | Whitall 11 (2nd sem.          |
| MacAfee, Thelma E.                      | 110 Quaker Lane, Villanova                  | LA 5-4018      | Development                   |
| ***MacCaffrey, Wallace T.               | 11 Phillimore Place, London                 |                | Development                   |
| MacIntosh, Archibald                    | 3 College Circle                            | 2-0961         | V.P. and Dir. of              |
|   | o contege offere                            | 2 0001         | Admissions                    |
| MacKay, Colin F.                        | 708 Argyle Rd., Wynnewood                   | 9-1725         | Chem.Lab. 22                  |
| MacKinnon, Patricia R.                  |   | Wayne 4271     | Public Relations              |
|   | (P.O.Box 835), Devon                        |                | 2 45110 100140115             |
| Meldrum, William B.                     | 747 College Avenue                          | 2-0881         | Chem.Lab. 10                  |
| Miller, Joseph B. R., Jr.               | 3-C, 10 Railroad Avenue                     | 2-1203         | Gymnasium                     |
| Mills, James                            | 6712 Souder St., Phila. 24                  | JE 3-8030      | Gymnasium                     |
| Morrison, Marjorie                      | 5121 Spruce St., Phila.                     | SH 8-1750      | Observatory                   |
| Morsch, Richard O.                      | 217 Wickford Rd., Havertown                 | HI 6-2949      | Gymnasium                     |
| Muller, Steven                          | 1-D, 10 Railroad Avenue                     | 2-4896         | Library 45                    |
| Newhall, Suzanne K.                     | 164 Pennsylvania Ave., B.M.                 | LA 5-3014      | Library staff                 |
| Nugent, Miriam R.                       | Founders Hall, H.C.                         | 9-2746         | Dietitian, Founders           |
| Oakley, Cletus O.                       | Featherbed Lane, H.C.                       | 9-9895         | Founders 103                  |
| Oakley, Louise G.                       | Featherbed Lane, H.C.                       | 9-9600         | Public Relations              |
| Olsen, Helen                            |   | Wayne 3775     | Business                      |
| Palmer, Frederic, Jr.                   | 1 College Lane                              | 2-6878         |                               |
| Parker, Francis H.                      | Featherbed Lane, H.C.                       | 9-9896         | Library 42                    |
| Pepinsky, Abraham                       | Spera Lane and Whitehall<br>Rd., Norristown | NO 5-7584      | Founders 304                  |
| Perry, Charles                          | 749 Polo Road, B.M.                         | LA 5-6031      | Development                   |
| Pfund, Harry W.                         | 624 Overhill Road, Ardmore                  | 2-5532         | Whitall 8                     |
| Pickett, Clarence E.                    | 510 Panmure Road                            | 2-6872         |                               |
| Post, L. Arnold                         | 9 College Lane                              | 9-2932         | Library 51                    |
| Prizer, William                         | "The Cottage",                              | LA 5-0344      | Gymnasium                     |
| , | Haverford School                            |                | -7                            |
| Prudente, Ernest                        | 822 Wynnewood Rd., Ardmore                  | 2-2577         | Gymnasium                     |
| Quinn, Francis J.                       | 3-B, 10 Railroad Avenue                     | 2-2748         | Founders 305                  |
| Ralph, Esther                           |   | Mal.2879-W     | Library staff                 |
| Randall, Roy E.                         | Coach House, H.C.                           | 9-9845         | Gymnasium                     |
|   |   |                |                               |

#### (B.M.= Bryn Mawr, H.C.= Haverford College)

| B 4 7 600                           | 0100 61 -1 -1 4 4                       |                  |                             |
|-------------------------------------|---|------------------|-----------------------------|
| Rantz, J. Otto                      | 2122 Chestnut Ave., Ardmore             | 2-8788           | T ibnows staff              |
| Reese, Ruth H.                      | 205 Marlboro Rd., Ardmore               |                  | Library staff               |
| Reese, William H.                   | 3-A, 10 Railroad Avenue                 | 2-1573<br>9-1293 | Music Rm., Union<br>Chase 3 |
| Reid, Ira DeA.                      | 2 College Lane                          | HI 7-0237        |                             |
| Reill, Lucille F.                   | 543 Country Club Lane,<br>Havertown     | ni 1-0251        | Library,<br>Treas.Rm.       |
| Reitzel, William A.                 | 2 College Lane                          | 9-1293           | Founders 108                |
|                                     |   | Wayne 2642       | Business                    |
| Ricci, Rose<br>Richie, David S.     | 154 E. Main St., Moorestown,            |                  | Dustiless                   |
| Rittenhouse, Leon H.                | 6 College Lane                          | 2-5522           |                             |
| Roberts, Jeanne S.                  | 703 Beechwood Drive, Havert             |                  | Whitall 6                   |
| Rose, Edgar S.                      | 500 Panmure Road                        | 9-9089           | Whitall 12                  |
| Santer, Melvin                      | 2 College Lane                          | 9-2423           | Sharpless 206               |
| Sargent, Ralph M.                   | 4 College Circle                        | 2-3339           | Whitall 7                   |
| Satterthwaite, Alfred               | 616 Walnut Lane                         | 2-2535           | Library 43                  |
| Scott, Andrew M.                    | 765 College Avenue                      | 9-9823           | Chase 7                     |
| Shaw, Michael                       | 2-D, 10 Railroad Avenue                 | 9-1645           | Founders 306                |
| Slonimsky, Nicolas                  | 295 Beacon St., Boston, Mass            |                  | Union (1st sem.)            |
|                                     | 14 Prospect Avenue, B.M.                | LA 5-5838        | Library 38                  |
| Smith, John W.<br>Snyder, Edward D. | 36 Railroad Avenue                      | 2-0712           | Library 30                  |
| *Somers, Herman M.                  | Dept. of Political Science, Un          |                  | in Barkelov Calif           |
| Steere, Douglas V.                  |   | 2-0162           | Library 41                  |
| Stefan, Marie                       | 739 College Avenue                      |                  | Business                    |
| •                                   | 10-M, Wynnewood Park Apts.<br>Wynnewood | ,                | Busiliess                   |
| Stephens, Cynthia                   | 305 Pilgrim Lane, Drexel Hill           |                  | Observatory                 |
| *Swan, Alfred                       | 773 College Avenue                      | 2-8374           | Music Rm., Union            |
| Teaf, Howard M., Jr.                | 2000 Old Gulph Rd., Villanova           | LA 5-8029        | Whitall 9                   |
| Thompson, Eleanor A.                | 30 Oak Lane, Havertown                  | HI 6-5077        | Admissions                  |
| Thorp, Elsa F.                      | 2009 Belvedere Avenue,<br>Havertown     | HI 6-7223        | Business                    |
| Walter, Robert I.                   | c/o Mrs. A. Palmer,                     | 2-1228           | Chem.Lab. 4                 |
| water, modern                       | County Line Rd.                         | 2-1220           | Circui, Luo.                |
| Watson, Frank D.                    | 36 Railroad Avenue                      | 9-1035           |                             |
| Watson, Dr. Wm. R., Jr.             | Lancaster Ave. & Cushman                | LA 5-0844        | At residence                |
|                                     | Rd., Rosemont                           |                  |                             |
| Weiss, Marie B.                     | 341 W. Lancaster Avenue                 | 9-0146           | Kitchen                     |
| Williams, Russell R., Jr.           | 521 Panmure Road                        | 2-5536           | Chem.Lab. 19                |
| Wilson, Albert H.                   | 2-C, 10 Railroad Avenue                 | 2-1853           |                             |
| Wilson, Norman M.                   | 23 Wellington Rd., Ardmore              | 2-4036           | Hilles basement             |
| Wisner, Robert J.                   | 785 College Avenue                      | 9-9080           | Hilles, 2nd fl.             |
| Wonson, Gertrude M.                 | North House, New Gulph Rd.,             |                  | Admissions                  |
| *Woodroofe, Kenneth S.              | Dept. of English, Reed College          |                  |                             |
| Wylie, Laurence W.                  | 753 College Avenue                      | 2-4148           | Library 39                  |
| Yacopino, Tesse J.                  | Rte. 202 (P.O.Box 36), Paoli            | Paoli 2885       | Whitall 6                   |

<sup>\*</sup> Indicates absence during first semester.
\*\* Indicates absence during second semester.

<sup>\*\*\*</sup> Indicates absence during whole academic year.

### OPERATIONS PERSONNEL

## Dining Room

# Housekeeping

### Miriam Nugent Marie Weiss

Ruth Mays

| J. Banks R. Bell A. Boyer H. Childs A. Hudson J. Latney L. Melton | W. Richardson H. Robinson H. Roselle G. Royal R. Satchell S. Simpkins E. Strothers |
|---|--|
| L. Melton<br>W. Newton  | E. Strothers<br>D. Young   |
| H. Puryear  | D. Toung   |

U. Birkhead S. Lake
R. Braxton P. Rolli
J. Brinkley J. Savage
J. Cato O. Savage
C. Davis W. Ward
A. Edwards N. Williams
J. Elliott A. Young
J. House

### Maintenance

Mail Room Grounds Buildings Power House W. Carter W. Volkert E. Roberts C. Chapin L. Coursey T. Cavanaugh W. Anderson W. Alphin G. Banks L. Di Berardino P. Daly W. Brown A. Kulp C. Casson S. McCoury C. Ianieri C. Roberts J. R. Latney J. Sinclair P. McDaniel
T. Patton
C. Sumney E. Walsh T. White

# Location of Offices

| President          |                  | Roberts Hall, 2nd floor |
|--------------------|------------------|-------------------------|
| Vice President     |                  | Roberts Hall, 2nd floor |
| Admissions         |                  | Roberts Hall, 2nd floor |
| Alumni             |                  | Founders basement       |
| Business           |                  | Whitall Bldg.           |
| Dean               |                  | Roberts Hall, 1st floor |
| Development and Pu | blic Relations - | - Founders basement     |
| Maintenance        |                  | Whitall Bldg.           |
| Registrar          |                  | Roberts Hall, 1st floor |

## COLLEGE OFFICE AND BUILDING TELEPHONES

College offices as well as Faculty members may be reached by dialing MIdway 9-9600, at any time between 9:00 a.m. and 5:00 p.m. on weekdays, and between 9:00 a.m. and 12:30 p.m. on Saturdays.

# NIGHT LINES

When there is no operator on duty, use the following telephone numbers:

### PAY STATIONS

| Barclay Hall, First Floor<br>Barclay Hall, Second Floor<br>Barclay Hall, Third Floor            | MIdway<br>MIdway<br>MIdway | 9-9724 |
|---|----------------------------|--------|
| Founders Hall, East<br>Founders Hall, Dormitory   | MIdway<br>MIdway           |        |
| French House  | MIdway                     | 2-9613 |
| Kitchen   | MIdway                     | 2-9544 |
| Leeds Hall, (Rooms 1 to 30)<br>Leeds Hall, (Rooms 101 to 104)<br>Leeds Hall, (Rooms 201 to 204) | MIdway<br>MIdway<br>MIdway | 2-9486 |
| Lloyd Hall, 8th Entry   | MIdway                     | 2-9628 |
| Power House   | MIdway                     | 2-9540 |
| Scull House, 521 Panmure Road   | MIdway                     | 2-9516 |
| Union   | MIdway                     | 2-9514 |
| Williams House, 500 Oakley Road   | MIdway                     | 2-9428 |

# STUDENTS IN THE COLLEGE

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

| B for Barclay  | L1 for Lloyd Hall     |
|--|-----------------------|
| F for Founders Hall  | SH for Scull House    |
| FH for French House  | WH for Williams House |
| Le for Leeds Hall  | YH for Yarnall House  |
|  | College Private       |
| Name Home Address  | Address Phone         |
| A  |                       |
| A  |                       |
| ABRAMSON, Marc F (Page 37)                                     | 103 Le 2-0249         |
| 7120 Woolston Rd., Phila. 38, Pa.                              | 2-0240                |
| ACTON, Alfred, II (Page 43)                                    | 313 F                 |
| Alden Rd., Bryn Athyn, Pa.                                     |                       |
| ADAMS, John F (Page 43)  | 322 B                 |
| 110 East Fell St., Summit Hill, Pa.                            | ***                   |
| ADAMS, M. Ian (Page 43)  | 31 WH                 |
| 417 W. Price St., Phila. 44, Pa.                               |                       |
| AIKEN, Paul L., Jr (Page 43)                                   | 34 YH                 |
| 8700 Ventnor Ave., Margate City, N.J.                          |                       |
| ALBRIGHT, Randall L (Page 57)                                  | 11 Ll 2-6908          |
| 1222 Van Steffy Ave., Wyomissing, Pa.                          |                       |
| ALDERSON, Evan W (Page 57)                                     | Day                   |
| 501 Oakley Rd., Haverford, Pa.                                 |                       |
| ALEXANDER, Gregory G (Page 57)                                 | 209 B                 |
| 112 Highland Ave., Bala-Cynwyd, Pa.                            |                       |
| ALEXANDER, Henry J (Page 49)                                   | 21 L1 9-2053          |
| 18 Edward St., Belmont 78, Mass.                               |                       |
| ALLEN, Harry R   | Day                   |
| 3224 W. Penn St., Phila. 29, Pa.                               | 9.7.0                 |
| ALLEN, Paul R., Jr (Page 37)<br>242 Merriam St., Weston, Mass. | 8 Le                  |
| ALLEN, Russel G., Jr (Page 57)                                 | 13 Ll 2-7172          |
| 136 Beach Bluff Ave., Swampscott, Mass.                        | 15 D1 <u>2-1112</u>   |
| AMSTERDAM, Tony (Page 37)                                      | Day                   |
| 5209 Woodbine Ave., Phila. 31, Pa.                             |                       |
| ANDREWS, Willard E (Page 57)                                   | 116 B                 |
| 237 McElroy Ave., Palisade, N.J.                               |                       |
| ARNOW, Peter L (Page 57)                                       | 114 B                 |
| 376 Kirks Lane, Drexel Hill, Pa.                               |                       |
| ,  |                       |
| В  |                       |
|  |                       |
| BAKER, David R (Page 49)                                       | 208 B                 |
| 2126 E. 63rd St., Long Beach 5, Calif.                         |                       |
| BAKER, J. Dennis (Page 57)                                     | 22 WH                 |
| Apartado 1944, Habana, Cuba                                    |                       |
| BAKER, T. Nelson, III (Page 43)                                | 53 L1 <u>2-1711</u>   |
| Virginia State College, Petersburg, Va.                        | 00 1177               |
| BALLARD, Alexander, Jr (Page 57)                               | 33 WH                 |
| 47 Crestview Rd., Mountain Lakes, N.J.                         | 200 D                 |
| BARNERT, Nyles N (Page 43)                                     | 308 B                 |
| 40 Collamore Terrace, W. Orange, N.J.                          |                       |

| Name Home Address   | College<br>Address | Private<br>Phone |
|---|--------------------|------------------|
| BARNES, Sidney B., Jr (Page 49)   | 320 F              |                  |
| 326 Dawson St., Phila. 28, Pa. BARR, Mason, Jr (Page 37)                                      | 8 FH               | 2-2374           |
| 1457 Prospect St., Mentor, Ohio BAUER, Andrew F (Page 57) 8105 Flourtown Ave., Phila. 18, Pa. | 309 B              |                  |
| BEHLING, George R (Page 57) 5031 Glenbrook Rd., N.W., Washington 16, D.C                      | 109 B              |                  |
| BELASH, David C (Page 37)   | 104 Le             |                  |
| 3 West Cedar St., Boston 8, Mass. BENJAMIN, Robert S (Page 43)                                | 216 B              |                  |
| 34 Cliff Rd., Wellesley Hills, Mass.  BERLIN, Cheston M., Jr                                  | 93 Ll              | 2-0248           |
| 1104 Folkstone Dr., Pittsburgh 28, Pa. BERNSTEIN, John A (Page 37)                            | 21 SH              |                  |
| Everglades Hotel, Miami, Florida BERTOLET, Frederick C (Page 49)                              | 316 B              |                  |
| 500 Friedensburg Rd., Reading, Pa. BERTOLET, William C (Page 43)                              | 318 B              | 2-6990           |
| 500 Friedensburg Rd., Reading, Pa. BING, Anthony G (Page 37)                                  | 102 Le             | 2-8144           |
| 92 College St., Hudson, Ohio BINGHAM, William R (Page 50)                                     | Day                |                  |
| 304 Conshohocken State Rd.,<br>Narberth P.O., Penn Valley Pa.                                 | 21 4 D             |                  |
| Parkview Apts. 925D, Collingswood, N.J.   | 314 B              | 0.0070           |
| BLOCK, Blaine L (Page 37)<br>1817 Benson Dr., Dayton 6, Ohio                                  | 44 L1              | 2-3879           |
| BLUESTEIN, Richard (Page 57) 165 Stoneway Lane, Bala-Cynwyd, Pa.                              | Day                |                  |
| BOICE, Edward (Page 58)  18 East Edgewater Ave., Pleasantville, N.J.                          | 312 B              |                  |
| BOOKHAMMER, Robert S., Jr Forrest Ave., Merion, Pa.   | Day                |                  |
| BOYER, James L (Page 44)<br>2 Sunnyside Rd., Silver Spring, Md.                               | 63 Ll              |                  |
| BRADLEY, Edward L (Page 44) 17 W. Mercer Ave., Havertown, Pa.                                 | Day                |                  |
| BRADLEY, Keith W (Page 58)<br>1532 Bay Street, Springfield 9, Mass.                           | 6 FH               |                  |
| BREWSTER, J. Gurdon (Page 50) 7 Gracie Square, New York City                                  | 34 Ll              |                  |
| BROBYN, Robert J. F (Page 58) 3455 Midvale Ave., Phila. Pa.                                   | 214 B              |                  |
| BROWN, Charles V (Page 38) 2nd Hill, New Milford, Conn.                                       | 43 L1              | 2-3299           |
| BROWN, Edwin G  | 74 Ll              | 2-6352           |
| BROWN, W. Michael (Page 50) 466 West Market St., York, Pa.                                    | 207 B              | 2-4563           |

| Name Home Address  | College<br>Address | Private<br>Phone |
|--|--------------------|------------------|
| BUCK, Alfred S (Page 44)   | 318 B              | 2-6990           |
| 2123 Albemarle Terrace, Brooklyn, 26, N.Y. BUCY, James G (Page 44)   | 222 F              | 2-5063           |
| 5830 Stony Island Ave., Chicago 37, Illinois<br>BULLARD, Truman C (Page 58)<br>142 Roosevelt Rd., Rochester 18, N.Y. | 10 FH              |                  |
| С  |                    |                  |
| CABLE, Peter G (Page 44) Chestnut Hill Rd., Wilton, Conn.  | 22 L1              | 2-6431           |
| CALKINS, Kenneth R   | 102 Le             | 2-8144           |
| CAMPBELL, Bruce D (Page 50)<br>2745 Edgehill Rd., Cleveland Hts. 6, Ohio   | 414 B              |                  |
| CARLIN, James F., Jr (Page 58)<br>129 Marlborough Rd., Upper Darby, Pa.  | Day                |                  |
| CARPENTER, George G (Page 58) 5109 Manning Place, N.W., Washington 16, D.C   | 109 B              |                  |
| CARRAGAN, William D (Page 44) Tamarack Rd., RB 261, RFD 3, Troy, N.Y.  | 26 SH              |                  |
| CHACE, William M (Page 58) 7206 Oakridge Ave., Chevy Chase 15, Md.   | 115 B              |                  |
| CHALLENER, Robert C (Page 38) 1655 Hastings Mill Rd.,  | 104 Le             |                  |
| Upper St. Claire Twp., Bridgeville, Pa. CHANDLER, Gail E (Page 64)   | 22 Le              |                  |
| 320 West End Ave., New York 23, N.Y. CHAR, David C (Page 50)   | 412 B              | 2-7548           |
| 2106 Oahu Ave., Honolulu 14, Hawaii<br>CHARLSON, Murray T (Page 38)  | 103 Le             | 2-0249           |
| 2915 Knowlson Ave., Pittsburgh 26, Pa. CHRISTMAS, Lawrence B (Page 44) 3342 Tennyson St., N.W., Washington 15, D.C.  | 63 Ll              |                  |
| CLARK, Allen M (Page 58) Friends Hospital, Phila. 24, Pa.  | 116 B              |                  |
| CLARK, Laurence H (Page 44) Main St., Stockbridge, Mass.   | 23 Ll              | 2-3784           |
| CLAVEL, Pierre (Page 38) 9 Rutland Rd., Scarsdale, N.Y.  | 41 Ll              | 2-7442           |
| CLEMSON, Daniel M (Page 50)<br>Ferris Hill Rd., New Canaan, Conn.  | 64 Ll              | 9-2194           |
| CLOGG, Mitchell D., Jr., (Page 58)<br>1901 Chelsea Rd., Baltimore 16, Md.  | 313 B              |                  |
| COHAN, Jarret N (Page 58)<br>1121 Hillcrest Rd., Penn Valley, Pa.  | 309 B              |                  |
| COHEN, Richard L (Page 38)<br>1461 Ocean Parkway, Brooklyn 30, N.Y.  | 25 Le              | 9-0487           |
| COKER, John W (Page 58)<br>109 Rockland Rd., Havertown, Pa.  | Day                |                  |
| COLBURN, Robert M (Page 50)<br>101 Hundreds Rd., Wellesley Hills 82, Mass.   | 31 Ll              |                  |

| Name Home Add  | dress               | College<br>Address | Private<br>Phone |
|--|---------------------|--------------------|------------------|
| COLLETT, Jonathan H 2305 East Hill Ave., Cincinnati 8, | (Page 58)           | 119 B              |                  |
| CONCORS, Alan J  |                     | 24 Ll              |                  |
| CONN, Coulson A  | (Page 58)<br>5, Pa. | 13 Ll              |                  |
| CONROY, Frank  |                     | 222 B              |                  |
| COOK, Daniel J   | (Page 58)           | 10 FH              |                  |
| COOPER, James D 81 Park Place, Hampton, Va.            |                     | 34 L1              | 9-2445           |
| COOPER, Thomas A                                       |                     | 14 L1              | 2-7333           |
| COPE, John G   |                     | 204 Le             | 9-1111           |
| CORNWELL, Robert G                                     | (Page 58)           | 218 F              |                  |
| CORONEOS, Clive R                                      | (Page 38)           | Day                | 9-9998           |
| COULTHURST, John                                       | (Page 50)           | 82 Ll              |                  |
| COWEN, Arthur, III                                     |                     | 23 SH              | 2-4906           |
| CRANE, Donald A  | (Page 38)           | 42 Ll              | 9-2559           |
| CRAWFORD, John F                                       |                     | 94 Ll              | 2-0248           |
| CRIST, Robert L  | (Page 44)           | 61 Ll              | 2-2685           |
| CURTIN, Lawrence B                                     |                     | 119 B              |                  |
| CURTIS, Richard W                                      |                     | 32 Ll              | 2-7516           |
|  | D                   |                    |                  |
| DAHLBERG, Albert E                                     |                     | 104 B              |                  |
| DANE, Henry J  |                     | 217 B              | 2-8425           |
| DAVID, J. Harris                                       | (Page 59)           | 118 B              |                  |
| DAVIS, Peter N   |                     | 322 F              | <u> </u>         |
| DE JONG, John G  |                     | 221 F              |                  |
| DEL BELLO, Thomas M 622 Fern St., Yeadon, Pa.          | (Page 59)           | 310 B              |                  |
| DENSFORD, Robert W                                     |                     | 21 Le              |                  |

| Name   | Home Address   | College<br>Address | Private<br>Phone |
|--|--|--------------------|------------------|
|  | (Page 38)  | 22 SH              |                  |
| DIETRICH, Frank S.                                 | ity, New Orleans, La (Page 50)                           | 301 B              |                  |
| DOHERTY, William                                   |  | 201 Le             |                  |
|  | 3 (Page 38)  | 81 Ll              | 9-0480           |
| Pines Lane, Cha DORSEY, William A. Huntingtown, Md | (Page 50)  | 225 F              | 2-2387           |
| DUFF, Stewart M                                    | (Page 44) ve., Pittsburgh 15, Pa.                        | 61 Ll              | 2-2685           |
| DUFF, Thomas A                                     | ve., Pittsburgh 15, Pa (Page 59) ve., Pittsburgh 15, Pa. | 12 Ll              |                  |
|  | E  |                    |                  |
|  | (Page 44)  | 217 F              |                  |
| EIDENBERG, Peter                                   | Cambridge, Mass. J (Page 51)                             | Day                |                  |
| ELLIS, David W                                     | Lane, Havertown, Pa (Page 44)                            | 32 L1              | 2-7516           |
|  | s, Huntingdon, Pa (Page 44)                              | 7 Le               | 9-1021           |
| ,  | (Page 59)  | 110 B              |                  |
| ENGELHARDT, Hans                                   | s W (Page 51) le Rd., Bloomsburg, Pa.                    | 34 Ll              |                  |
|  | (Page 45)  | 2 Le               | 2-2588           |
|  | F  |                    |                  |
| FAIRFIELD, E. Steve<br>2935 Benson St.,            | en (Page 38)   | 14 Ll              | 2-7333           |
| FARRELL, Henry M.                                  | e., Rockville Centre, N.Y.                               | 5 Le               | 9-1021           |
| FEICK, M. Mather .                                 | (Page 45)<br>W., Wash. 7, D.C.                           | 206 B              | 9-2609           |
| FERGUSON, Lawrence                                 | ce C (Page 38), Cheshire, Mass.                          | 14 Ll              | 2-7333           |
| FISCHER, Allen C                                   | (Page 51)<br>Ave., Phila. 19, Pa.                        | 72 Ll              | 9-2411           |
| FITE, George W                                     | (Page 51)  Ed., Bethesda 14, Md.                         | 21 YH              |                  |
| FOGEL, Michael R.                                  | e., Crestwood, N.Y.                                      | 53 Ll              | 9-1711           |
| FORBES, J. Dexter                                  | Ave., Collingswood 7, N.J.                               | 321 F              |                  |
| FORMAN, Lawrence                                   | T (Page 59) nard", Easton, Md.                           | 110 B              |                  |

| Name  | Home Address                               | College<br>Address | Private<br>Phone |
|---|--|--------------------|------------------|
| FORMAN, Phillip M.  | (Page 39                                   | 9) 103 Le          | 2-0249           |
| 432 Napoleon Ave.,<br>FORMAN, Richard T. 7                        | Г (Page 39                                 | )) 42 Ll           | 9-2559           |
| FOSHAY, John M  |  | Day                |                  |
| Local Address: c/   | ve., Cincinnati 8, Ohio o Mrs. H. S. Shaw, | . D.               |                  |
| FOSTER, Roger S., Jr.   | ounty Line Rd., Haverford                  |                    | 9-2559           |
| 184 Gordon St., Pit<br>FRANCIS, James B., Ji<br>219 Broughton Lan | r (Page 39                                 | Day                |                  |
| FRIEDMAN, Burton 2749 Levick St., Ph                              | (Page 45                                   | Day                |                  |
| FULKERSON, Joseph G<br>69 Power St., Prov                         | i (Page 59                                 | )) 106 B           |                  |
| FULLARD, William G.,  |  | .) 71 Ll           | 2-6357           |
|   | W (Page 59                                 | ) 103 B            |                  |
| 112 Torest Wood D   | G G  |                    |                  |
|   | · ·  |                    |                  |
| GALLAGER, Laurence<br>429 Drury Lane, B                           | R (Page 39 altimore 29, Md.                | ) 83 L1            | 9-0138           |
| GALLANT, Jonathan A. 309 Packman Ave.,                            | Mount Vernon, N.Y.                         | ) 104 Le           |                  |
| GARDNER, Peter C. (S)<br>Box 29, Cumberlan                        | pec.)<br>d Hill, Manville, R.I.            | Day                |                  |
|   | Railroad Ave., Apt. 3-A,                   |                    |                  |
| CARRETTO ALCOHOLO   | o W. Reese, Haverford, F                   | Pa.                |                  |
|   | Rd., Siesta Key, Sarasot                   |                    |                  |
| GARY, Melvin L  | (Page 59                                   |                    |                  |
| GEIST, Kenneth L 145 Central Park V                               | (Page 45                                   | ) 217 B            | 2-8425           |
|   | (Page 45                                   | ) 4 Le             | 2-2588           |
|   | (Page 59                                   | ) 310 B            |                  |
| GETTY, Carl J   | e., Penn Valley, Narberth                  |                    |                  |
| GOGGIN, Malcolm L   | Rd., Mendham, N.J.                         |                    |                  |
| GOGGIN, Myron G   | Rd., Mendham, N.J.                         | ) 410 B            | 2-7548           |
| GOLD, Allan   | (Page 45 Blvd., Phila. 40, Pa.             | ) 51 Ll            |                  |
|   | (Page 39                                   | ) 103 Le           | 2-0249           |
|   | (Page 51                                   | ) 91 L1            | 2-6351           |
|   |  |                    |                  |

| Name                                      | Home Address   | College<br>Address | Private<br>Phone |
|---|--|--------------------|------------------|
| GRAMBS, David L                           | (Page 51)  | 223 F              | 2-2387           |
| GRAY, John H 25 Lenox Ave., Br            |  | 201 Le             |                  |
| GREEN, Alexander A.<br>274 Wilson St., Ca | (Page 51)  | 411 B              | 2-7548           |
| GREEN, Willard P<br>4547 River Rd., T     | (Page 51)  | 412 B              | 2-7548           |
| GREENLEAF, Newcom                         |  | 218 B              | 9-2760           |
| GRESIMER, John D., I<br>West Creek Rd., F | I (Page 51)  | 225 F              | 2-2387           |
| GRIFFITH, Lawrence                        | S (Page 51)<br>, N.W., Wash. 12, D.C.                                  | 413 B              | 2-7548           |
| GROFF, Diller B., III                     |  | 202 Le             | 2-9171           |
| GROVE, Bruce A., Jr.<br>701 Country Club  |  | Day                |                  |
| Local Address: 5 GRUBER, John B           | 31 Panmure Rd., Haverford, I<br>(Page 39)<br>Rd., Box 87, Hershey, Pa. | Pa.<br>107 B       |                  |
| GUNSTER, Gerald D.                        | Wilkes Barre, Pa.  | 94 Ll              | 2-0248           |
|   | Н  |                    |                  |
|   | (Page 39)<br>Ave., Milwaukee 11, Wisconsin                             | 27 SH              |                  |
| HALSTEAD, Lauro de                        | B.S (Page 39) White Plains, N.Y.                                       | 102 Le             | 2-8144           |
| HAMESTER, Hans L.                         | e., Havertown, Pa.   | Day                |                  |
| HARDY, Roger B                            | (Page 45)<br>e., Detroit 23, Mich.                                     | 54 L1              | 9-0369           |
| HARGADON, Frederic<br>133 Ardmore Ave.    | k A  | Day                |                  |
|   | (Page 45)  | 62 L1              | 9-1868           |
| HARRISON, Eric J<br>1126 Greentree, F     | (Page 45)  | 92 L1              | 2-6351           |
| HART, Benson H 298 Aurora Rd., H          | (Page 39)  | 204 Le             | 9-1111           |
| HARVEY, Frank L                           | (Page 59)<br>Hackettstown, N.J.  | 323 F              |                  |
|   | (Page 59)  | Day                |                  |
| HARVEY, Thomas B.<br>Radnor, Pa.          |  | 201 Le             | 9-2765           |
|   | Jr (Page 39)<br>Haverford, Pa.   | 203 Le             | 2-7107           |
| HAWORTH, Gary N                           | (Page 60) . S.E., Cedar Rapids, Iowa                                   | 112 B              |                  |

| Name   | Home Address                       | College<br>Address | Private<br>Phone |
|--|------------------------------------|--------------------|------------------|
| HAYTER, John B 133C Dumbarton Rd.                                | (Page 60)                          | 312 B              |                  |
| HECHT, Jeffrey K   | (Page 51)                          | 73 L1              | 9-0583           |
| 4 Collamore Terrace HECHT, Warren B                              | (Page 40)                          | 24 Le              |                  |
| 60 Pershing Ave., El<br>HEEG, Michael M                          |                                    | 43 Ll              | 2-3299           |
| HEIMAN, Elliott M 6217 Carpenter St., 1                          | (Page 51)                          | 73 L1              | 9-0583           |
| HELMSTADTER, Thomas<br>2145 Duquesne Ave.,                       | s H (Page 40)                      | 41 Ll              | 2-7442           |
| HENDERSON, Rolland H.<br>764 College Ave., Ha                    |                                    | Day                |                  |
| HERSHEY, John W. B<br>14 E. Third Ave., Li                       |                                    | 202 B              |                  |
| HILL, Horatio S 137 West 142nd St., 1                            | (Page 45)                          | 55 Ll              |                  |
| HILL, Richard M Wayland Rd., Sudbur                              | (Page 45)                          | 43 Ll              | 2-3299           |
| HILLIER, R. David 406 S. 12th, Laramie                           | (Page 60)                          | 311 B              |                  |
| HOBAUGH, R. Lee<br>1068 Woodbury Rd.,                            |                                    | 220 F              |                  |
| HOFFMAN, David L 1443 Sharon Park Dr                             |                                    | Day                |                  |
| HOFFMAN, Harold L., Jr<br>Green Ave., Brielle,                   | r (Page 60)                        | Day                |                  |
| Local Address: 4436<br>HOLMES, James D                           | Chestnut St., Phila. Pa. (Page 46) | 32 L1              | 2-7516           |
| 2843 Allendale Pl. N<br>HOOVER, Henry, B., Jr.                   | (Page 40)                          | 122 B              |                  |
| Trapelo Rd., So. Line HOPKINS, P. Donald                         | (Page 40)                          | 92 L1              | 2-6351           |
| 11 N. Jackson Ave., HOPPER, Robert J                             | (Page 46)                          | 319 F              |                  |
| 77 Kensington Park,<br>HOPPIN, Nicholas<br>36 E. 69th St., New Y | (Page 46)                          | 101 Le             | 2-2269           |
| HORAN, David E 46 Country Club Rd.,                              |                                    | 21 YH              |                  |
| HORNBAKER, John H., J.<br>1117 Oak Hill Ave., I                  | r (Page 52)                        | 205 B              |                  |
| HORWITZ, Henry G<br>410 N. McKean St., E                         | (Page 52)                          | 102 B              |                  |
| HOUSTON, William A 300 S. Lexington Ave                          | (Page 60)                          | 311 B              |                  |
| HOWARD, Charles B<br>MR 12, Butler, Pa.                          | (Page 52)                          | 33 Ll              |                  |
| HOWARD, Peter B 131 Murdock Rd., Ba                              |                                    | 304 B              |                  |
| HOWARD, W. James 807 Talcott Circle, M                           | (Page 60)                          | 210 B              |                  |

| ## HOWE, John S., Jr  | Name                   | Home Address                 | College<br>Address | Private<br>Phone |
|---|------------------------|------------------------------|--------------------|------------------|
| HOWELL, Andrew J  |                        |                              | 303 B              |                  |
| HUDSON, Floyd E   | HOWELL, Andrew J.      | (Page 60)                    | 313 B              |                  |
| ### HUMPHREYS, Marvin W   | HUDSON, Floyd E        | (Page 40)                    | 201 Le             |                  |
| HUNT, Peter T   | HUMPHREYS, Marvin      | W (Page 46)                  | 220 B              | 9-2760           |
| HUNT, Robert W  | HUNT, Peter T          | (Page 46)                    | 21 L1              | 9-2053           |
| HUNTER, Allan A., Jr  | HUNT, Robert W         | (Page 40)                    | 55 Ll              |                  |
| HURCHALLA, George, Jr (Page 46) 31 Ll Yost Rd., R.D. 3, Norristown, Pa.  HURD, Christopher W., Jr (Page 52) 319 B Upland Fields Rd., Lincoln, Mass.  HURFORD, John B (Page 60) Day 79 Spring Ave., Larchmont, Pa.  HUTT, David M (Page 52) 33 Ll Apt. 302, 60 Brattle St., Cambridge, Mass.  I  IRIYE, Akira Day 1230 Squirrel Hill Ave., Pittsburgh 17, Pa. Local Address: c/o Robert Wisner, 785 College Ave., Haverford, Pa.  ISERMAN, Robert (Page 60) 302 B 280 Lyncroft Rd., New Rochelle, N.Y.  J  JACKSON, D. Richard (Page 52) 317 F 2-3860 205 West 42 St., Erie, Pa. JOHNSON, Alan E (Page 52) 74 Ll 2-6352 2325 Barcelona Rd., Schenectady 9, N.Y. JOHNSON, Myles A | HUNTER, Allan A., Jr   | (Page 40)                    | 202 Le             | 2-9171           |
| HURD, Christopher W., Jr (Page 52) 319 B  Upland Fields Rd., Lincoln, Mass.  HURFORD, John B (Page 60) Day 79 Spring Ave., Larchmont, Pa.  HUTT, David M (Page 52) 33 Ll Apt. 302, 60 Brattle St., Cambridge, Mass.  I  IRIYE, Akira  | HURCHALLA, George      | , Jr (Page 46)               | 31 Ll              | 2-2223           |
| HURFORD, John B   | HURD, Christopher W    | ., Jr (Page 52)              | 319 B              | 2-6990           |
| HUTT, David M.  | HURFORD, John B        | (Page 60)                    | Day                |                  |
| IRIYE, Akira  | HUTT, David M          | (Page 52)                    | 33 L1              | 9-2445           |
| 332, 3-chome, Narimune Suginami-Ku, Tokyo, Japan ISAY, Richard A. (Spec.)   |                        | I                            |                    |                  |
| ISAY, Richard A. (Spec.)  |                        |                              |                    | 9-1111           |
| Local Address: c/o Robert Wisner, 785 College Ave.,   | ISAY, Richard A. (Spe- | c.)                          |                    |                  |
| Jackson, D. Richard (Page 52)   317 F   2-3860  | Local Address: c       | o Robert Wisner, 785 College | e Ave.,            |                  |
| J  JACKSON, D. Richard (Page 52) 317 F 2-3860 205 West 42 St., Erie, Pa.  JOHNSON, Alan E (Page 52) 74 Ll 2-6352 2325 Barcelona Rd., Schenectady 9, N.Y.  JOHNSON, Myles A (Page 46) 63 Ll 2860 Lafayette Ave., New York 65, N.Y.  JOHNSON, Stanley B., III (Page 40) 120 B 24 Ravine Rd., Wellesley Hills, Mass.  JOHNSTON, Jamie H (Page 46) 215 B 21836 Coast Highway, Malibu, Calif.  JONES, William W (Page 60) 106 B 251 Broadway, Augusta, Kansas  JOYCE, Thomas J., Jr (Page 40) Day  | ISERMAN, Robert        | (Page 60)                    | 302 B              |                  |
| 205 West 42 St., Erie, Pa.  JOHNSON, Alan E (Page 52) 74 Ll 2-6352  2325 Barcelona Rd., Schenectady 9, N.Y.  JOHNSON, Myles A (Page 46) 63 Ll 2860 Lafayette Ave., New York 65, N.Y.  JOHNSON, Stanley B., III (Page 40) 120 B 24 Ravine Rd., Wellesley Hills, Mass.  JOHNSTON, Jamie H (Page 46) 215 B 21836 Coast Highway, Malibu, Calif.  JONES, William W (Page 60) 106 B 251 Broadway, Augusta, Kansas  JOYCE, Thomas J., Jr (Page 40) Day   | ,                      | ·                            |                    |                  |
| JOHNSON, Alan E (Page 52) 74 Ll 2-6352 2325 Barcelona Rd., Schenectady 9, N.Y.  JOHNSON, Myles A (Page 46) 63 Ll 2860 Lafayette Ave., New York 65, N.Y.  JOHNSON, Stanley B., III (Page 40) 120 B 24 Ravine Rd., Wellesley Hills, Mass.  JOHNSTON, Jamie H (Page 46) 215 B 21836 Coast Highway, Malibu, Calif.  JONES, William W (Page 60) 106 B 251 Broadway, Augusta, Kansas  JOYCE, Thomas J., Jr (Page 40) Day  |                        |                              | 317 F              | 2-3860           |
| JOHNSON, Myles A (Page 46) 63 L1  2860 Lafayette Ave., New York 65, N.Y.  JOHNSON, Stanley B., III (Page 40) 120 B  24 Ravine Rd., Wellesley Hills, Mass.  JOHNSTON, Jamie H (Page 46) 215 B  21836 Coast Highway, Malibu, Calif.  JONES, William W (Page 60) 106 B  251 Broadway, Augusta, Kansas  JOYCE, Thomas J., Jr (Page 40) Day  | JOHNSON, Alan E        | (Page 52)                    | 74 Ll              | 2-6352           |
| JOHNSON, Stanley B., III (Page 40) 120 B  24 Ravine Rd., Wellesley Hills, Mass.  JOHNSTON, Jamie H (Page 46) 215 B  21836 Coast Highway, Malibu, Calif.  JONES, William W (Page 60) 106 B  251 Broadway, Augusta, Kansas  JOYCE, Thomas J., Jr (Page 40) Day  | JOHNSON, Myles A.      | (Page 46)                    | 63 L1              |                  |
| JOHNSTON, Jamie H (Page 46) 215 B 21836 Coast Highway, Malibu, Calif.  JONES, William W (Page 60) 106 B 251 Broadway, Augusta, Kansas  JOYCE, Thomas J., Jr (Page 40) Day   | JOHNSON, Stanley B.,   | III (Page 40)                | 120 B              |                  |
| JONES, William W (Page 60) 106 B  251 Broadway, Augusta, Kansas  JOYCE, Thomas J., Jr (Page 40) Day   | JOHNSTON, Jamie H.     | (Page 46)                    | 215 B              |                  |
| JOYCE, Thomas J., Jr (Page 40) Day  | JONES, William W       | (Page 60)                    | 106 B              |                  |
|   | JOYCE, Thomas J., J.   | r (Page 40)                  | Day                |                  |

| Name   | Home Address                                | College<br>Address | Private<br>Phone |
|--|---|--------------------|------------------|
| Name   | Home Address                                | nuaress            | Thone            |
|  | K   |                    |                  |
| KABACK, Howard R<br>8401 Germantown A        |   | 94 L1              | 2-0248           |
|  | (Page 52)                                   | 24 L1              | 9-9852           |
| KAEGI, Walter E., Jr.<br>1221 Bates Court, I | (Page 52)                                   | 71 L1              | 2-6357           |
| KAIN, David H 564 Sunset Rd., Lou            | (Page 52)                                   | 322 F              |                  |
| KATOWITZ, James A.<br>70 Scheerer Ave., N    | (Page 52)                                   | 73 L1              | 9-0583           |
| KAUFMAN, Malcolm E.<br>171 S. Franklin St.,  | (Page 60)                                   | 323 F              |                  |
| KELLY, Richard M<br>Westtown School, W       | (Page 46)                                   | 54 Ll              | 9-0369           |
| KERR, Douglas S American Universit           | (Page 46)                                   | 62 L1              | 9-1868           |
| KILPATRICK, Robert W<br>707 N.W. 20th St., C | (Page 40)                                   | 107 B              |                  |
| KITTNER, Philip J 6166 N. 17th St., Ph       | (Page 52)                                   | 91 Ll              | 2-6351           |
| KLINGENMAIER, C. He<br>479 Country Club R    | rman (Page 60)                              | 115 B              |                  |
| KLINMAN, Norman R.<br>302 Calvert Rd., Me    | (Page 46)                                   | Day                |                  |
| KNIGHT, Charles A<br>410 Ridge Rd., Mide     | (Page 46)                                   | 218 B              | 9-2760           |
| KOHN, Michael H 410 W. Surf St., Chi         |   | 11 Ll              | 2-6908           |
| KORPER, Jon S 3 Rivers Farm, Bri             |   | Day                |                  |
| Local Address: c/c                           | o H. F. Haviland, 629 Haydo<br>verford, Pa. | ock Lane,          |                  |
| KOSKOFF, Eric G 5500 Hobart St., Pit         | (Page 46)                                   | 311 F              | 9-0414           |
| · · · · · · · · · · · · · · · · · · ·        | (Page 46)                                   | 308 B              |                  |
| KRAVIS, Gary I 218 Stoneway Lane,            |   | Day                |                  |
| KRIEL, Robert L                              | Rd., Baltimore 12, Md.                      | 82 Ll              |                  |
|  | (Page 47)                                   | 317 B              | 2-6990           |
|  | Jr (Page 47)                                | 315 F              |                  |
|  | L   |                    |                  |
| LACHMAN, Alan B 4000 Massachusetts           | (Page 40)<br>s Ave., N.W., Wash. 15, D.(    | <b>27</b> Le       |                  |
| LARY, Nikita M 17 Chemin de la Co            | (Page 61)<br>lombe, Geneva, Switzerland     | 4 FH               |                  |

| Name Home Address  | College<br>Addres    |         |
|--|----------------------|---------|
| LATHROP, Robert G  | Day                  |         |
| 893 Parke's Run Lane, Ithan-Villanova,                               | Pa.                  |         |
| LAUVE, Donald L (Pa<br>1116 North Broom St., Wilmington, Dela        |                      |         |
| LAWRENCE, Frederick V., Jr (Pa<br>56 Moorland Rd., Falmouth, Mass.   |                      |         |
| LEDERER, Richard H (Pa<br>6201 Ellsworth St., Phila. 43, Pa.         | ge 52) 72 Ll         | 9-2411  |
| LEE, James O (Pa<br>252 E. Durard Rd., Phila, 19, Pa.                | ge <b>52</b> ) 72 Ll | 9-2411  |
| LEEDS, Robert W., Jr (Pa<br>46 Righters Mill Rd., Narberth, Pa.      | ge 40) Day           |         |
| LEESER, Harry M (Pa 339 Lemonte St., Phila. 28, Pa.                  | ge 53) Day           |         |
| LENFEST, David S (Pa Waldoboro, Maine                                | ge 47) Day           |         |
| Local Address: 637 Montgomery Ave.,                                  |                      |         |
| LEONARD, Gerry W (Pa<br>142 Narragansett Ave., Jamestown, R.I.       | ge 61) 33 YH         |         |
| LEVIN, Gerald M (Pa<br>150 Trent Rd., Overbrook Hills, Pa.           | ge 61) 304 B         |         |
| LEVIN, Joel M (Pa<br>Park-Drive Manor Apts., Phila. Pa.              | ge 40) Day           |         |
| LEWIS, Timothy (Pa<br>Western Run Rd., Cockeysville, Md.             | ge 61) 13 Ll         |         |
| LIEGHTY, Gordon A (Pa<br>130 Kenilworth Rd., Merion, Pa.             | ge 53) Day           |         |
| LIGUORI, Victor A (Pa<br>1516 Sheffield Lane, Phila. 31, Pa.         | ge 53) Day           |         |
| LINDEMAN, Robert J (Pa 227 E. Third St., Waynesboro, Pa.             |                      | 2-2269  |
| LINDEMAN, William H (Pa<br>227 E. Third St., Waynesboro, Pa.         | ge 53) 7 FH          |         |
| LIPTON, Charles S (Pa<br>6134 Loretto Ave., Phila. 44, Pa.           | ge 61) 53 Ll         | 9-1711  |
| LO CICERO, Joseph C., Jr (Pa 625 Devon Rd., Moorestown, N.J.         | ge 61) 108 B         |         |
| LONG, Anthony B (Pa<br>5200 Wesley Ave., Baltimore 7, Md.            | ge 53) 22 YH         |         |
| LONG, William H., III (Pa 5200 Wesley Ave., Baltimore 7, Md.         | ge 40) 202 Le        | _2-9171 |
| LONGBOTHAM, E. Morgan, Jr (Pa<br>113 Hillside Ave., Glen Ridge, N.J. | ge 61) 213 B         |         |
| LOWENTHAL, Joel R (Pa<br>115 Beverly Rd., Overbrook Hills, Phila     |                      | 9-0583  |
| LUTHERER, Lorenz O (Pa<br>R.F.D. #4, Chagrin Falls, Ohio             | ge 47) 56 Ll         | 2-1247  |
| LYMAN, Frank T (Pa<br>7104 Exeter Rd., Bethesda 14, Md.              | ge 53) 64 Ll         | 9-2194  |

| Name  | Home Address  | College<br>Address | Private<br>Phone |
|---|---|--------------------|------------------|
|   | M   |                    |                  |
| MACK, Charles S 246 West Upsal St., P         |   | Day                | 9-0213           |
| MACON, Edwin J                                | lside Cottage, Haverford,<br>(Page 47)<br>#3, Knoxville 20, Tenn. | Pa.<br>201 B       |                  |
| MACORT, John G., Jr 473 Oriole St., Phila.    | (Page 61)   | 214 B              |                  |
| MADDOCK, Thomas 1070 River Rd., Trent         | (Page 47)   | 92 L1              | 2-6351           |
| MAMANA, Joseph M RD. #2, Easton, Pa.          |   | 91 L1              | 2-6351           |
| MARGIE, Robert P                              | (Page 61)   | 24 SH              | 9-9882           |
| 24 Philadelphia Ave.,<br>MARSDEN, George M    | (Page 53)   | 72 Ll              | 9-2411           |
| 460 N. Union St., Mide<br>MATLACK, Louis R    | (Page 41)   | Day                | 9-2513           |
| 201 Colonial Ave., Mo<br>Local Address: 36 Ra | ailroad Ave., Apt. C,   |                    |                  |
| MATTHEWS, Robert M                            |   | 31 Ll              | 2-2223           |
| 216 N. Candler St., De MAUD, Laurence C       | · · · · · · · · · · · · · · · · · · ·                             | 22 YH              |                  |
| 7139 Lawndale St., Ph<br>McCURDY, Glenn A     | (Page 61)   | 209 B              |                  |
|   | (Page 61)   | 310 B              |                  |
| 121 Rockland Ave., La<br>McKELVEY, Donald B   |   | 31 YH              |                  |
| 27 Hillside Way, Shor McLEOD, Hugh W          |   | 82 Ll              |                  |
| 21 School St., Hatfield MEADE, Price C        | (Page 53)   | 7 FH               |                  |
| "Redgates", Durham, MEAKER, Douglas W         | Conn.   | Day                | 9-0213           |
| 52A Church St., Newp                          |   | College,           |                  |
|   | rford, Pa.  | 94 Ll              | 2-0248           |
| 213 Mitchell Lane, Ed<br>MELONEY, James P     | lgeworth, Sewickley, Pa.  | Day                | 2-0137           |
| RT. #1, Box 379, Laing                        |   |                    |                  |
| MERMIN, Richard S 30 West 70th St., New       | (Page 61)   | 34 YH              |                  |
|   | (Page 53)   | 316 F              |                  |
| MEZGER, Erik                                  |   | 203 Le             | 2-7107           |
| MICHENER, Bryan P<br>625 Brookland Park D     | (Page 53)   | 42 L1              | 9-2559           |

| Name Home Address  | College<br>Address | Private<br>Phone |
|--|--------------------|------------------|
| MILAM, Lorenzo W (Page 41)   | 101 Le             | 2-2269           |
| 1894 Edgewood Ave., Jacksonville, Fla. MILLER, Andrew L (Page 53) 3301 Highland Place, N.W., Wash. 8, D.C. | 32 SH              | 2-8017           |
| MILLER, J. David (Page 54) 300 West Court St., Doylestown, Pa.   | 25 SH              | 9-9882           |
| MILLER, J. Philip (Page 54) 623 East Ford Ave., Barberton, Ohio  | 84 Ll              |                  |
| MILLER, Robert S (Page 61) 236 Holliday Rd., Lexington, Ky.  | 11 Ll              |                  |
| MILLER, Thomas W. C (Page 61) 257 N. 17th St., Camp Hill, Pa.  | 11 Ll              | 2-6908           |
| MOHR, Jay P (Page 47)  1322 Oakwood Court, Lynchburg, Va.  | 93 L1              | 2-0248           |
| MONKEMEYER, H. Shenton (Page 47)<br>84-21 Chapin Parkway, Jamaica 32, N.Y.                                 | 6 Le               |                  |
| MONKEMEYER, Karlin R (Page 62)<br>84-21 Chapin Parkway, Jamaica 32, N.Y.                                   | 303 B              |                  |
| MONTGOMERY, J. Langford (Page 47)<br>23 Lexington Ave., Pitman, N.J.                                       | 83 Ll              | 9-0138           |
| MOODY, James P (Page 41)<br>c/o B. Stetter, Sleepy Hollow Rd., Briarcliff Man                              | 215 B<br>nor, N.Y. |                  |
| MORGAN, David W (Page 62)<br>65 University Ave., Hamilton, N.Y.  | 315 B              | 2-6990           |
| MORRIS, James H (Page 54)<br>2574 Fairmount Blvd., Cleveland Hts., 6, Ohio                                 | 414 B              | 2-7548           |
| MORRISSEY, J. Michael (Page 62)<br>96 Grandview Blvd., West Lawn, Pa.                                      | 314 B              |                  |
| MOSES, Sanford H., Jr (Page 41)<br>8 Prospect St., Winchester, Mass.                                       | 52 L1              | 2-1003           |
| MOSS, William W (Page 41) 704 Powell St., Williamsburg, Va.  | 3 Le               | <u> </u>         |
| MOYES, James R (Page 54) 394 Bonnie Brae Ave., Rochester 18, N.Y.  | 32 Ll              | 2-7516           |
| MULLER, Werner E., Jr (Page 62)<br>1535 Winding Rd., Southampton, Pa.                                      | 104 B              |                  |
| MURRAY, Wallace A., Jr (Page 62)<br>1421 Greywall Lane, Overbrook Hills, Pa.                               | Day                |                  |
| MURRAY, William M (Page 41) Cedarcliff, Route 1, Camp Hill, Pa.  | 29 Le              | 9-0487           |
| MUSSER, Harold E (Page 47) Parsons Hill, Somerset, Pa.   | 74 Ll              | 2-6352           |
| N  |                    |                  |
| NAUMAN, Daniel W (Page 41) 549 Virginia Ave., Havertown, Pa.   | Day                |                  |
| NELSON, David E (Page 62) 3621 E. Minnehaha Pkwy., Minneapolis 17, Minn.                                   | 31 YH              | 2-5646           |
| NEWCOMB, Benjamin H (Page 62)  120 Glen Lake Ave., Pitman, N.J.  | 212 B              |                  |
| NEWMEYER, William L., III (Page 41) 1245 Josephine St., Denver 6, Colorado                                 | 203 Le             | 2-7107           |

| NICKEL, Paul E  | Name                                | Home Address          | College<br>Address | Private<br>Phone |
|---|-------------------------------------|-----------------------|--------------------|------------------|
| G-5133 Fenton Rd., Flint, Mich.  NOLTE, Kemble P (Page 47) 305 B 607 E. Belle Ave., Milwaukee 17, Wis.  NORRIS, Paul E. H (Page 54) 207 B 5120 Aldrich Ave. S., Minneapolis 19, Minnesota  NOWLIS, David P (Page 47) 56 Ll 900 Highland Ave., Rochester 20, N.Y.  NOYES, Robert W (Page 41) 81 Ll 23 Fernwood Place, Mountain Lakes, N.J.  O  OGDEN, Hugh S (Page 54) 84 Ll 1937 South Shore Dr., Erie, Pa.  OLSEN, Gary K (Page 62) 210 B 116 E. Spruce St., Titusville, Pa.  OSGOOD, Charles F (Page 62) 118 B 801 Spring St., Apt. 1113B, Seattle 4, Wash.  P  PAINE, Lincoln D (Page 41) 22 SH 9-9676 300 Hammond St., Chestnut Hill, Mass. PANKEN, Peter M (Page 41) 10 Le 9-1021 915 West End Ave., New York, N.Y. PARKER, Daniel E (Page 47) 216 B 40 Oak St., Ramsey, N.J. PARKER, George G. C (Page 54) 118 B 1605 Perkins Drive, Arcadia, Calif. PATRICK, Richard B (Page 54) 24 Ll 1104 East Tremont Ave., Bronx 60, N.Y. PECK, N. Tenney (Page 47) 26 Le 829 Church St., Millville, N.J. PELOUZE, H. Pierce, 3rd (Page 54) 113 B 43 Estaugh Ave., Haddonfield, N.J. PENNELL, Franklin H., Jr (Page 54) 25 SH 283 Pin Rd., Edgeworth, Sewickley, Pa. PHILLIPS, Michael H | NICKEL, Paul E                      |                       | 104 Le             |                  |
| NORRIS, Paul E. H (Page 54) 5120 Aldrich Ave. S., Minneapolis 19, Minnesota NOWLIS, David P (Page 47) 56 Ll 2-1247 9900 Highland Ave., Rochester 20, N.Y.  NOYES, Robert W  | G-5133 Fenton Rd., NOLTE, Kemble P. | Flint, Mich (Page 47) | 305 B              |                  |
| NOWLIS, David P   | NORRIS, Paul E. H                   | (Page 54)             | 207 B              | 2-4563           |
| NOYES, Robert W   | NOWLIS, David P                     | (Page 47)             | 56 Ll              | 2-1247           |
| OGDEN, Hugh S   | NOYES, Robert W                     | (Page 41)             | 81 L1              | 9-0480           |
| 1937 South Shore Dr., Erie, Pa.   OLSEN, Gary K (Page 62)   210 B   116 E. Spruce St., Titusville, Pa.   OSGOOD, Charles F (Page 62)   118 B   801 Spring St., Apt. 1113B, Seattle 4, Wash.   P    PAINE, Lincoln D (Page 41)   22 SH   9-9676   300 Hammond St., Chestnut Hill, Mass.   PANKEN, Peter M (Page 41)   10 Le   9-1021   915 West End Ave., New York, N.Y.   PARKER, Daniel E (Page 47)   216 B   40 Oak St., Ramsey, N.J.   PARKER, George G. C (Page 62)   118 B   1605 Perkins Drive, Arcadia, Calif.   PATRICK, Richard B (Page 54)   24 Ll   9-9852   1104 East Tremont Ave., Bronx 60, N.Y.   PECK, N. Tenney (Page 54)   208 B   181 Windsor Rd., Waban 68, Mass.   PEDRICK, Perkins C (Page 47)   26 Le   829 Church St., Millville, N.J.   PELOUZE, H. Pierce, 3rd (Page 48)   74 Ll   2-6352   Spencer Rd., Ivyland, R.D., Pa.   PHILLIPS, Henry A (Page 54)   9 FH   2-2374   111 High St., Exeter, N.H.   PHILLIPS, Michael H (Page 54)   25 SH   9-9882   Tohickan Creek Farm, Ottsville, Pa.   PIERCE, E. Everett, III   |                                     |                       |                    |                  |
| OLSEN, Gary K   | OGDEN, Hugh S                       | (Page 54)             | 84 L1              |                  |
| PAINE, Lincoln D  | OLSEN, Gary K                       | (Page 62)             | 210 B              |                  |
| PAINE, Lincoln D (Page 41) 22 SH 300 Hammond St., Chestnut Hill, Mass.  PANKEN, Peter M (Page 41) 10 Le 9-1021 915 West End Ave., New York, N.Y.  PARKER, Daniel E (Page 47) 216 B 40 Oak St., Ramsey, N.J.  PARKER, George G. C (Page 62) 118 B 1605 Perkins Drive, Arcadia, Calif.  PATRICK, Richard B (Page 54) 24 Ll 9-9852 1104 East Tremont Ave., Bronx 60, N.Y.  PECK, N. Tenney (Page 54) 208 B 181 Windsor Rd., Waban 68, Mass.  PEDRICK, Perkins C (Page 47) 26 Le 829 Church St., Millville, N.J.  PELOUZE, H. Pierce, 3rd (Page 48) 74 Ll 2-6352  Spencer Rd., Ivyland, R.D., Pa.  PHILLIPS, Henry A (Page 54) 9 FH 2-2374 111 High St., Exeter, N.H.  PHILLIPS, Michael H (Page 54) 25 SH 9-9882  Tohickan Creek Farm, Ottsville, Pa.  PIERCE, E. Everett, III (Page 62) 203 B 323 Pine Rd., Edgeworth, Sewickley, Pa.  PINE, Edward H (Page 41) 101 Le 2-2269 11-18 Fairhaven Pl., Fair Lawn, N.J.  PLASS, Neil W (Page 41) 44 Ll 2-3879 601 Clyde St., Apt. #7, Pittsburgh 13, Pa.  PLATT, Hermann K (Page 48) 62 Ll 9-1868  | OSGOOD, Charles F                   | (Page 62)             | 118 B              |                  |
| PAINE, Lincoln D  | 801 Spring St., Apt.                | ·                     |                    |                  |
| 300 Hammond St., Chestnut Hill, Mass.  PANKEN, Peter M (Page 41) 10 Le 9-1021  915 West End Ave., New York, N.Y.  PARKER, Daniel E (Page 47) 216 B 40 Oak St., Ramsey, N.J.  PARKER, George G. C (Page 62) 118 B 1605 Perkins Drive, Arcadia, Calif.  PATRICK, Richard B (Page 54) 24 Ll 9-9852  1104 East Tremont Ave., Bronx 60, N.Y.  PECK, N. Tenney (Page 54) 208 B 181 Windsor Rd., Waban 68, Mass.  PEDRICK, Perkins C (Page 47) 26 Le 829 Church St., Millville, N.J.  PELOUZE, H. Pierce, 3rd (Page 62) 113 B 43 Estaugh Ave., Haddonfield, N.J.  PENNELL, Franklin H., Jr (Page 48) 74 Ll 2-6352  Spencer Rd., Ivyland, R.D., Pa.  PHILLIPS, Henry A (Page 54) 9 FH 2-2374 111 High St., Exeter, N.H.  PHILLIPS, Michael H (Page 54) 25 SH 9-9882  Tohickan Creek Farm, Ottsville, Pa.  PIERCE, E. Everett, III (Page 62) 203 B 323 Pine Rd., Edgeworth, Sewickley, Pa.  PINE, Edward H (Page 41) 101 Le 2-2269 11-18 Fairhaven Pl., Fair Lawn, N.J.  PLASS, Neil W   |                                     | P                     |                    |                  |
| PANKEN, Peter M   |                                     |                       | 22 SH              | 9-9676           |
| PARKER, Daniel E (Page 47) 216 B 40 Oak St., Ramsey, N.J.  PARKER, George G. C  | PANKEN, Peter M                     | (Page 41)             | 10 Le              | 9-1021           |
| PARKER, George G. C (Page 62) 118 B 1605 Perkins Drive, Arcadia, Calif.  PATRICK, Richard B (Page 54) 24 Ll 9-9852 1104 East Tremont Ave., Bronx 60, N.Y.  PECK, N. Tenney (Page 54) 208 B 181 Windsor Rd., Waban 68, Mass.  PEDRICK, Perkins C (Page 47) 26 Le 829 Church St., Millville, N.J.  PELOUZE, H. Pierce, 3rd (Page 62) 113 B 43 Estaugh Ave., Haddonfield, N.J.  PENNELL, Franklin H., Jr (Page 48) 74 Ll 2-6352 Spencer Rd., Ivyland, R.D., Pa.  PHILLIPS, Henry A (Page 54) 9 FH 2-2374 111 High St., Exeter, N.H.  PHILLIPS, Michael H (Page 54) 25 SH 9-9882 Tohickan Creek Farm, Ottsville, Pa.  PIERCE, E. Everett, III (Page 62) 203 B 323 Pine Rd., Edgeworth, Sewickley, Pa.  PINE, Edward H (Page 41) 101 Le 11-18 Fairhaven Pl., Fair Lawn, N.J.  PLASS, Neil W (Page 41) 44 Ll 2-3879 601 Clyde St., Apt. #7, Pittsburgh 13, Pa.  PLATT, Hermann K (Page 48) 62 Ll 9-1868   | PARKER, Daniel E                    | (Page 47)             | 216 B              |                  |
| PATRICK, Richard B (Page 54) 24 Ll 9-9852  1104 East Tremont Ave., Bronx 60, N.Y.  PECK, N. Tenney (Page 54) 208 B  181 Windsor Rd., Waban 68, Mass.  PEDRICK, Perkins C (Page 47) 26 Le  829 Church St., Millville, N.J.  PELOUZE, H. Pierce, 3rd (Page 62) 113 B  43 Estaugh Ave., Haddonfield, N.J.  PENNELL, Franklin H., Jr (Page 48) 74 Ll 2-6352  Spencer Rd., Ivyland, R.D., Pa.  PHILLIPS, Henry A (Page 54) 9 FH 2-2374  111 High St., Exeter, N.H.  PHILLIPS, Michael H (Page 54) 25 SH 9-9882  Tohickan Creek Farm, Ottsville, Pa.  PIERCE, E. Everett, III (Page 62) 203 B  323 Pine Rd., Edgeworth, Sewickley, Pa.  PINE, Edward H (Page 41) 101 Le  11-18 Fairhaven Pl., Fair Lawn, N.J.  PLASS, Neil W (Page 41) 44 Ll 2-3879  601 Clyde St., Apt. #7, Pittsburgh 13, Pa.  PLATT, Hermann K (Page 48) 62 Ll 9-1868  | PARKER, George G. C.                | (Page 62)             | 118 B              |                  |
| PECK, N. Tenney   | PATRICK, Richard B.                 | (Page 54)             | 24 L1              | 9-9852           |
| PEDRICK, Perkins C (Page 47) 26 Le 829 Church St., Millville, N.J.  PELOUZE, H. Pierce, 3rd (Page 62) 113 B 43 Estaugh Ave., Haddonfield, N.J.  PENNELL, Franklin H., Jr (Page 48) 74 Ll 2-6352 Spencer Rd., Ivyland, R.D., Pa.  PHILLIPS, Henry A (Page 54) 9 FH 2-2374 111 High St., Exeter, N.H.  PHILLIPS, Michael H (Page 54) 25 SH 9-9882 Tohickan Creek Farm, Ottsville, Pa.  PIERCE, E. Everett, III (Page 62) 203 B 323 Pine Rd., Edgeworth, Sewickley, Pa.  PINE, Edward H (Page 41) 101 Le 2-2269 11-18 Fairhaven Pl., Fair Lawn, N.J.  PLASS, Neil W (Page 41) 44 Ll 2-3879 601 Clyde St., Apt. #7, Pittsburgh 13, Pa.  PLATT, Hermann K (Page 48) 62 Ll 9-1868   | PECK, N. Tenney                     | (Page 54)             | 208 B              |                  |
| PELOUZE, H. Pierce, 3rd (Page 62) 113 B 43 Estaugh Ave., Haddonfield, N.J.  PENNELL, Franklin H., Jr (Page 48) 74 Ll 2-6352 Spencer Rd., Ivyland, R.D., Pa.  PHILLIPS, Henry A (Page 54) 9 FH 2-2374 111 High St., Exeter, N.H.  PHILLIPS, Michael H (Page 54) 25 SH 9-9882 Tohickan Creek Farm, Ottsville, Pa.  PIERCE, E. Everett, III (Page 62) 203 B 323 Pine Rd., Edgeworth, Sewickley, Pa.  PINE, Edward H (Page 41) 101 Le 2-2269 11-18 Fairhaven Pl., Fair Lawn, N.J.  PLASS, Neil W (Page 41) 44 Ll 2-3879 601 Clyde St., Apt. #7, Pittsburgh 13, Pa.  PLATT, Hermann K (Page 48) 62 Ll 9-1868   | PEDRICK, Perkins C.                 | (Page 47)             | 26 Le              |                  |
| PENNELL, Franklin H., Jr (Page 48) 74 Ll 2-6352 Spencer Rd., Ivyland, R.D., Pa.  PHILLIPS, Henry A (Page 54) 9 FH 2-2374  111 High St., Exeter, N.H.  PHILLIPS, Michael H (Page 54) 25 SH 9-9882 Tohickan Creek Farm, Ottsville, Pa.  PIERCE, E. Everett, III (Page 62) 203 B 323 Pine Rd., Edgeworth, Sewickley, Pa.  PINE, Edward H (Page 41) 101 Le 2-2269 11-18 Fairhaven Pl., Fair Lawn, N.J.  PLASS, Neil W (Page 41) 44 Ll 2-3879 601 Clyde St., Apt. #7, Pittsburgh 13, Pa.  PLATT, Hermann K (Page 48) 62 Ll 9-1868  | PELOUZE, H. Pierce, 3               | 3rd (Page 62)         | 113 B              |                  |
| PHILLIPS, Henry A (Page 54) 9 FH 2-2374  111 High St., Exeter, N.H.  PHILLIPS, Michael H (Page 54) 25 SH 9-9882  Tohickan Creek Farm, Ottsville, Pa.  PIERCE, E. Everett, III (Page 62) 203 B  323 Pine Rd., Edgeworth, Sewickley, Pa.  PINE, Edward H (Page 41) 101 Le 2-2269  11-18 Fairhaven Pl., Fair Lawn, N.J.  PLASS, Neil W (Page 41) 44 Ll 2-3879  601 Clyde St., Apt. #7, Pittsburgh 13, Pa.  PLATT, Hermann K (Page 48) 62 Ll 9-1868   | PENNELL, Franklin H.                | , Jr (Page 48)        | 74 Ll              | 2-6352           |
| PHILLIPS, Michael H (Page 54) 25 SH 9-9882  Tohickan Creek Farm, Ottsville, Pa.  PIERCE, E. Everett, III (Page 62) 203 B 323 Pine Rd., Edgeworth, Sewickley, Pa.  PINE, Edward H (Page 41) 101 Le 2-2269 11-18 Fairhaven Pl., Fair Lawn, N.J.  PLASS, Neil W (Page 41) 44 Ll 2-3879 601 Clyde St., Apt. #7, Pittsburgh 13, Pa.  PLATT, Hermann K (Page 48) 62 Ll 9-1868   | PHILLIPS, Henry A                   | (Page 54)             | 9 FH               | 2-2374           |
| PIERCE, E. Everett, III (Page 62) 203 B 323 Pine Rd., Edgeworth, Sewickley, Pa.  PINE, Edward H (Page 41) 101 Le 11-18 Fairhaven Pl., Fair Lawn, N.J.  PLASS, Neil W (Page 41) 44 Ll 2-3879 601 Clyde St., Apt. #7, Pittsburgh 13, Pa.  PLATT, Hermann K (Page 48) 62 Ll 9-1868   | PHILLIPS, Michael H.                | (Page 54)             | 25 SH              | 9-9882           |
| PINE, Edward H (Page 41) 101 Le 2-2269  11-18 Fairhaven Pl., Fair Lawn, N.J.  PLASS, Neil W (Page 41) 44 Ll 2-3879  601 Clyde St., Apt. #7, Pittsburgh 13, Pa.  PLATT, Hermann K (Page 48) 62 Ll 9-1868   | PIERCE, E. Everett, III             | I (Page 62)           | 203 B              |                  |
| PLASS, Neil W (Page 41) 44 Ll 2-3879 601 Clyde St., Apt. #7, Pittsburgh 13, Pa. PLATT, Hermann K (Page 48) 62 Ll 9-1868   | PINE, Edward H                      | (Page 41)             | 101 Le             | 2-2269           |
| PLATT, Hermann K (Page 48) 62 Ll 9-1868   | PLASS, Neil W                       | (Page 41)             | 44 Ll              | 2-3879           |
|   | PLATT, Hermann K                    | (Page 48)             | 62 L1              | 9-1868           |

| Name  | Home Address                        | College<br>Address | Private<br>Phone |
|---|-------------------------------------|--------------------|------------------|
| PORTER, Robert R., Jr.  |                                     | 409 B              | 2-7548           |
| POTTS, C. Anthony   | (Page 54)                           | 35 SH              |                  |
| Woodcrest, Riston, N<br>PRATT, Robert G                             |                                     | 93 Ll              | 2-0248           |
| 144 Ardmore Ave., I<br>PRICE, Hollis F                              | (Page 48)                           | 55 Ll              |                  |
| 825 Walker Ave., Me<br>PRICE, Leighton A                            | (Page 48)                           | 24 YH              | 2-4599           |
| PRICE, Robert B., Jr  | 211, R.R.#3, Esmond 17, R (Page 42) | I.<br>9 Le         |                  |
| 5118 Kanawha Ave.,<br>PURSEL, Charles B                             | (Page 54)                           | 411 B              | 2-7548           |
| 29 W. 4th St., Bloom<br>PYKE, John S., Jr                           | (Page 62)                           | 23 WH              |                  |
| 17863 Lake Rd., Lak   | ewood 7, Ohio                       |                    |                  |
|   | R                                   |                    |                  |
| RALPH, Boyd G   |                                     | 92 Ll              | 2-6351           |
| Washington County, (RAMEY, J. Allen                                 | (Page 62)                           | 28 SH              |                  |
| 18 Grandview Ave., V<br>RANDALL, Mark H                             | (Page 48)                           | Day                |                  |
| Haverford College, H<br>RAUCH, Richard M                            | (Page 48)                           | 31 SH              |                  |
| 227 South St., Harris RAY, William B                                | (Page 62)                           | 108 B              |                  |
| 2440 Asbury Ave., E<br>RAYMOND, Geoffrey H.<br>331 Essex Rd., Kenil | (Page 62)                           | 24 SH              | 9-9882           |
| REHMEYER, Richard C.<br>647 N. Hawthorne St.                        | (Page 42)                           | 44 Ll              | 2-3879           |
| REILL, James H 543 Country Club La                                  | (Page 48)                           | Day                |                  |
| RHOADS, David G Beaver Valley Rd., (                                | (Page 63)                           | 105 B              |                  |
| RHOADS, Jonathan E., Jr<br>131 W. Walnut Lane,                      | (Page 63)                           | 13 Ll              |                  |
| RICE, Emery vanDaell .  |                                     | 71 Ll              | 2-6357           |
| RIEGL, Jan A 6048 Jackson St., Pit                                  | (Page 48)                           | 5b FH              |                  |
| RIGNALL, Raymond H., a<br>c/o U.S. Embassy, La                      | Jr (Page 54)                        | 82 L1              |                  |
| RIVERS, David B 49 South Franklin St.                               | (Page 54)                           | 306 B              |                  |
| ROBINSON, Theodore A.<br>935 Drexel Lane, Br                        | (Page 55)                           | Day                |                  |
| ROCKWELL, Peter B P.O. Box 95, Stockbr                              | (Page 48)                           | 21 L1              | 9-2053           |
| 2.0. 23. 00, 2000.01  |                                     |                    |                  |

| Name   | Home Address             | College<br>Address | Private<br>Phone |
|--|--------------------------|--------------------|------------------|
| RODEWALD, Paul G., Jr.<br>508 Edgerton Place, 1                      |                          | 61 Ll              | 2-2685           |
| ROGERS, Joseph E., Jr<br>310 West Second St.,                        | (Page 63)                | 106 B              |                  |
| RONDTHALER, David L.   |                          | 28 SH              |                  |
| RUSSELL, Gregory R 259 South Logan Ave.                              | (Page 63)                | 36 SH              |                  |
|  | S                        |                    |                  |
| SANSON, Ralph C., Jr<br>25 - 65th Place, Long                        |                          | 83 Ll              | 9-0138           |
| SARNOFF, Stephen B<br>1025 - 5th Ave., New                           | (Page 48)                | 51 Ll              |                  |
| SAYLES, William A 10 Longwood Drive, V                               | (Page 48)                | Day                |                  |
| SCARBOROUGH, Donald A<br>423 E. Durham St., P                        | A (Page 55)              | 117 B              |                  |
| SCHEAR, Richard D 610 W. Siebenthaler A                              | (Page 55)                | 24 L1              |                  |
| SCHOLL, Donald B 1 Darien Rd., New Ca                                | (Page 55)                | 318 F              | 2-7851           |
| SCHOTT, John R   |                          | Day                | 2-0137           |
| SCHOONOVER, Eric T   |                          | 317 B              | 2-6990           |
| 3841 Greenbrier Driv<br>SCHRAMM, Lawrence P.                         | (Page 63)                | 113 B              |                  |
| 724 Price St., West C<br>SCHRAMM, Richard E<br>724 Price St., West C | (Page 49)                | 43 Ll              | 2-3299           |
| SCHULZE, Frederick C. 326 Forest Ave., Amb                           | (Page 63)                | 105 B              |                  |
| SEE, Fred G Leurenkill Rd., Ellen                                    | (Page 55)                | 12 Ll              |                  |
| SEGAL, Don M   |                          | 1 Le               |                  |
| SHAPIRO, Stephen S 14 Beverly Rd., West                              | (Page 63)                | 212 B              |                  |
| SHARP, Alexander B 880 Highland Rd., Itha                            | (Page 55)                | 12 L1              |                  |
| SHAW, Frederick H 3824 Farragut Rd., B.                              | (Page 55)                | 71 Ll              | 2-6357           |
| SHEESLEY, Jay McC 948 Hubbard St., Winn                              |                          | 204 B              |                  |
| SHEITELMAN, A. Louis.<br>1430 N. Franklin St.,                       | Phila. 21, Pa. (Page 63) | 213 B              |                  |
| SHELDON, Timothy M Devon Rd., Lee, Mass                              | (Page 55)                | 33 Ll              | 9-2445           |
| SHEPHERD, John E., Jr.<br>261 Washington Ave.,                       |                          | 36 SH              |                  |

| Name Home Address  | College<br>Address | Private<br>Phone |
|--|--------------------|------------------|
| SHERK, Larry W (Page 55) 25 Main St., Williamsburg, Mass.                                      | 34 SH              |                  |
| SHIVERS, David (Page 63)   | 105 B              |                  |
| Sewell, N.J. SHULTZ, Robert L (Page 49)  | 22 L1              | 2-6431           |
| Crab Apple Lane, No.6, Rockford, Ill. SINCLAIR, Paul F (Page 63)                               | 315 B              |                  |
| 556 Bramhall Ave., Jersey City, N.J. SMITH, Earl J (Page 49)                                   | 305 B              |                  |
| 333 E. Lincoln Ave., New Castle, Pa. SMITH, John K (Page 55)                                   | 410 B              | 2-7548           |
| 305 Tohickon Ave., Quakertown, Pa. SMITH, Jonathan Z (Page 63)                                 | 103 B              |                  |
| 320 West 86 St., New York 24, N.Y. SMITH, Richard B  | 325 F              |                  |
| 519 Madison Ave., Fort Washington, Pa. SPANGLER, George M (Page 55)                            | 56 Ll              | 2-1247           |
| 233 Lincoln Way East, New Oxford, Pa. SPEER, Brownlow M (Page 63)                              | 6 FH               |                  |
| 1305 Singer Place, Pittsburgh 21, Pa.<br>SPELLER, Frank N., III (Page 63)                      | 23 WH              |                  |
| 2003 Hilltop Drive, Tyler, Texas SQUIRES, E. Chadwick (Page 49)                                | 62 L1              | 9-1868           |
| 209 Garrett Ave., Swarthmore, Pa.<br>STEELE, Thomas H (Page 49)                                | 307 B              |                  |
| 206 Euclid Ave., New Castle, Pa. STEIN, Adam (Page 55)   | 22 Ll              | 2-6431           |
| 7 Greenholm, Princeton, N.J. STEVENS, Edward J., III (Page 42)                                 | 52 L               | 2-1003           |
| 14250 Bustleton Pike, Phila. 16, Pa. STEVENSON, Leland E., Jr (Page 64)                        | 32 YH              |                  |
| 5101 - 39th St., N.W., Wash. 16, D.C.<br>STEWARD, Palmer G (Page 55)                           | 316 B              |                  |
| 426 Indian Rock Rd., Vista, Calif. STINE, William D (Page 42)                                  | 204 Le             | 9-1111           |
| 2116 Allen St., Allentown, Pa. STITES, Daniel P (Page 64)                                      | 114 B              |                  |
| 13 N. Exeter Ave., Margate City, N.J. STOCKEBRAND, William J                                   | 35 WH              |                  |
| 6024 Oxford St., Phila. Pa. STONE, Donald A., Jr (Page 55)                                     | 5a FH              |                  |
| 636 N.E. 83rd Terrace, N. Miami Beach, Fla. STONE, John W (Page 55)                            | 34 Ll              |                  |
| 815 Maple Rd., Charleston 2, W.Va. STOVER, Donald O (Page 42)                                  | 33 SH              | 2-9086           |
| 5801 Bahama Shores Drive, St. Petersburg, Fla. SUMMERS, Dudley W (Page 64)                     | 320 B              |                  |
| 37 Headley Place, Maplewood, N.J. SWIFT, Daniel W (Page 42) 160 Maskwonicut St., Sharon, Mass. | 23 Le              | 9-0487           |

| Name Home Addr  | ess       | College<br>Address | Private<br>Phone |
|---|-----------|--------------------|------------------|
|   | Т         |                    |                  |
| TALBOT, David N   |           | 63 L1              |                  |
| TAYLOR, William G Box 875, Tryon, N.C.  | (Page 55) | 41 Ll              | 2-7442           |
| TEEM, Martin V  | (Page 56) | 413 B              | 2-7548           |
| TEITELBAUM, Richard L 44 West 77th St., New York 24, N.Y.                             | (Page 64) | 32 YH              |                  |
| THOMAS, Charles H., Jr Dresher & Witmer Rds., R.D., Hath                              | (Page 49) | 23 Ll              | 2-3784           |
| THOMAS, Henry M., III   | (Page 42) | 81 Ll              | 9-0480           |
| THORNE, Charles G., Jr  | (Page 56) | 306 B              |                  |
| THORPE, Edward J  |           | 51 Ll              |                  |
| 125 Northfield Ave., West Orange, I   | (Page 64) | 216 F              |                  |
| 1120 - 16th St., N.W., Washington, I<br>TILLEY, Jon P                                 | (Page 49) | 307 B              |                  |
| 1402 E. Patterson Ave., Kirksville, TOBIAS, Joel A                                    | (Page 56) | 9 FH               | 2-2374           |
| 413 Pembroke Rd., Bala-Cynwyd, P<br>TORG, Joseph S                                    |           | 93 Ll              | 2-0248           |
| 1324 Medary Ave., Phila. 41, Pa. TRENBATH, Robert W                                   | (Page 56) | 12 Ll              |                  |
| Saybrook Point, Conn. TUBIS, Stuart H   | (Page 56) | 219 F              |                  |
| 3508 Westfield Ave., Camden 5, N.J<br>TYSON, William B                                |           | 32 WH              | 9-0929           |
|   | IJ        |                    |                  |
| UNGER, Thomas   | (Page 42) | 28 Le              | 2-6548           |
| 234 S. Tate St., Perth Amboy, N.J. UNGERLEIDER, James S                               | (Page 64) | 210 B              |                  |
| 933 Salem Ave., Dayton 6, Ohio  |           |                    |                  |
|   | V         |                    |                  |
| VanALPHEN, Robert J Fernandez Espiro 787, San Isidro,                                 |           | 22 WH              |                  |
| Argentina VanARKEL, A. Thomas   |           | Day                |                  |
| 251 W. Montgomery Ave., Haverfor VASTINE, John R                                      |           | 33 Ll              | 9-2445           |
| 901 N. Orange St., Shamokin, Pa. VERSACI, Frank, Jr 6437 N. Park Ave., Phila. 26, Pa. | (Page 42) | 54 Ll              | 9-0369           |

| Name   | Home Address   | College<br>Address | Private<br>Phone |
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|  |  | 11441 055          | THORE            |
|  | W  |                    |                  |
| WAGNER, Richard V<br>203 Goodale Rd., Ba             |  | 83 L1              | 9-0138           |
| WALLACE, John G                                      |  | 23 YH              | 2-5646           |
|  | (Page 42)  | 23 Ll              | 2-3784           |
| WARDE, William D<br>19 Norris Rd., Hyde              | (Page 43)  | 14 Ll              | 2-7333           |
| WEBER, William F<br>1007 McCeney Ave.                | (Page 56), Burnt Mills Hills,                              | 84 L1              |                  |
| Silver Spring, Md. WEDNER, Marc R                    | (Page 64) nd St., Pittsburgh 17, Pa.                       | 4 FH               |                  |
| WEIDMAN, Robert O                                    | (Page 56)<br>Chevy Chase 15, Md.                           | 64 Ll              | 9-2194           |
| WEIGERT, Martin G                                    | (Page 49)  | 23 Ll              | 2-3784           |
| WEIL, Jonathan S                                     | ., N.W., Wash. 16, D.C (Page 64) Rd., Shaker Heights 20, O | 219 B              |                  |
| WEST, William N., IV .                               | (Page 56)  | 117 B              |                  |
|  | (Page 56)  | 32 SH              | 2-8017           |
| Leesburg, Va. WHITMAN, Malcolm D. Cove Road, West De |  | 203 B              |                  |
| WHITNEY, James N Forest Lane, Malve                  | (Page 43)  | 81 Ll              | 9-0480           |
| WILBUR, E. Reed                                      |  | 203 Le             | 2-7107           |
| WILENTZ, Jack Nathan                                 | (Page 43)  | 30 Le              |                  |
|  | (Page 43)  | Day                | 9-0213           |
|  | oodside Cottage, Haverford<br>verford, Pa.                 | d College,         |                  |
|  | (Page 49)  | 222 F              | 2-5063           |
| WINANS, Charles S                                    | (Page 43)<br>10, Bad Homburg V.D.H.,                       |                    | 2-8144           |
|  | (Page 56)  | 21 Ll              | 9-2053           |
|  | (Page 49)  | 61 Ll              | 2-2685           |
|  | (Page 64)  | 32 YH              |                  |
|  | (Page 56)  | 206 B              | 9-2609           |
| WOLF, Howard L 856 Meetinghouse R                    |  | Day                |                  |
|  | (Page 56)  | 91 Ll              | 2-6351           |

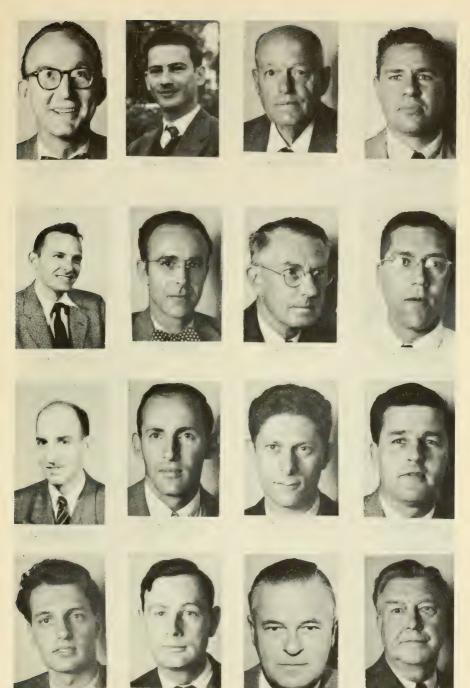
| Name  | Home Address | College<br>Address | Private<br>Phone |
|---|--------------|--------------------|------------------|
| WOLFINGER, Howard L., J<br>261 Apple Dr., Greenca                       |              | 205 B              |                  |
| WOLLSTADT, Roger D  | (Page 49)    | 31 Ll              | 2-2223           |
| 87 Elm St., Millburn (M<br>WOOTON, Russell W<br>R.D. #2, Downingtown, I | (Page 64)    | 204 B              |                  |
| WRIGHT, Arthur W 49 Ferguson Ave., Broom                                | (Page 64)    | Day                |                  |
| WRIGHT, Ralph T 406 Seminole Dr., Erie                                  | (Page 64)    | 116 B              |                  |
|   | Y            |                    |                  |
| YOOD, Herbert M 390 Mass. Ave., Arling                                  |              | 34 SH              |                  |
| YOST, William A., III 1936 N. 74 St., Wauwate                           | (Page 43)    | 202 Le             | 2-9171           |
|   | z            |                    |                  |
| ZAPF, S. Erik 517 Lanfair Rd., Melro                                    | (Page 57)    | 64 Ll              | 9-2194           |
| ZAVITZ, Peter K. C 4205 Stanford St., Chev                              | (Page 43)    | 44 Ll              | 2-3879           |

# STUDENTS' PICTURES

Arranged alphabetically by classes

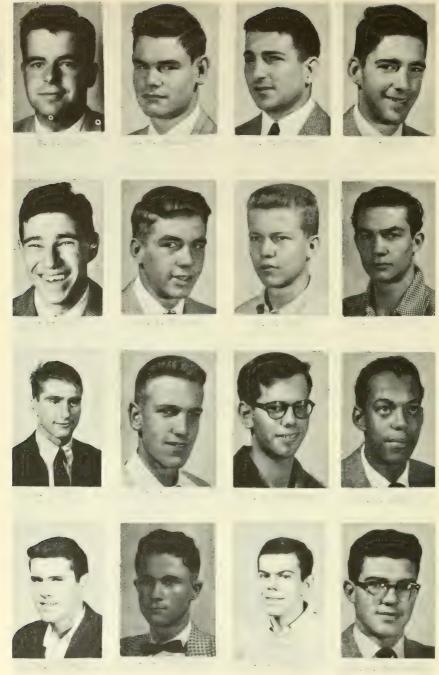
This section arranged by Students' Council



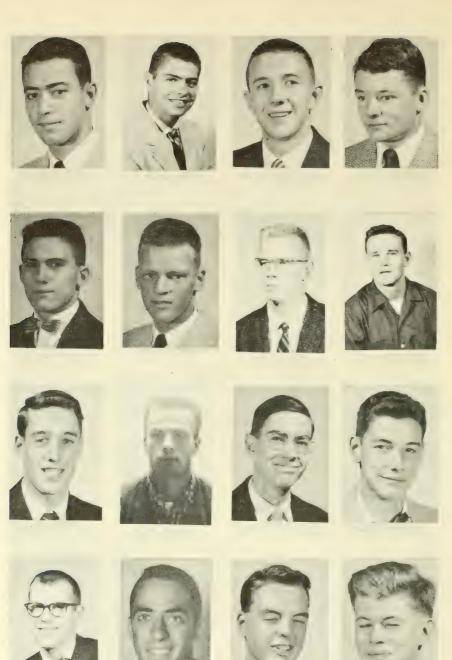


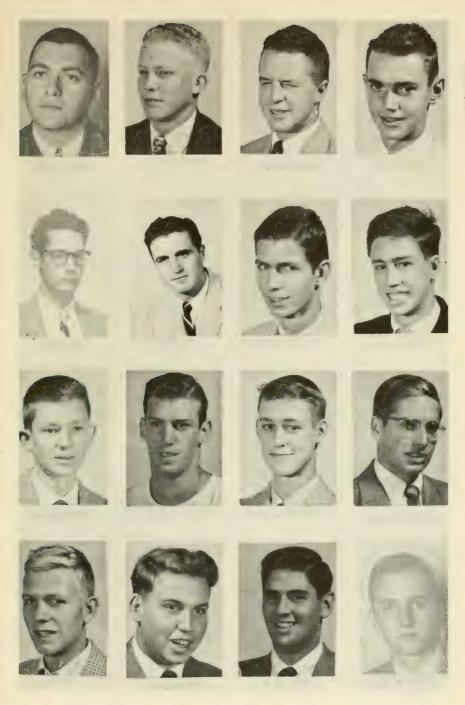


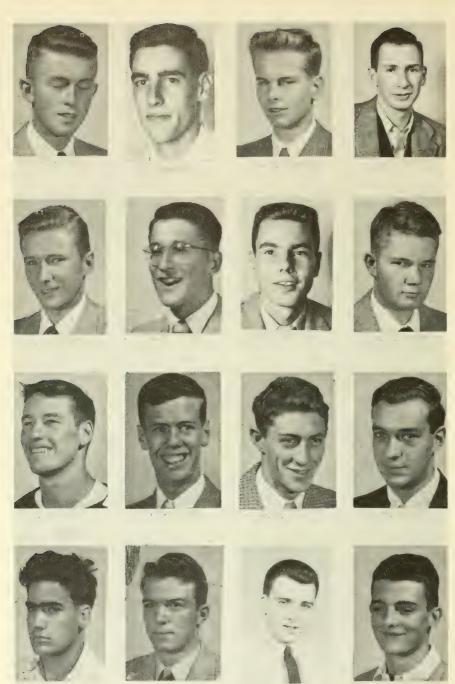






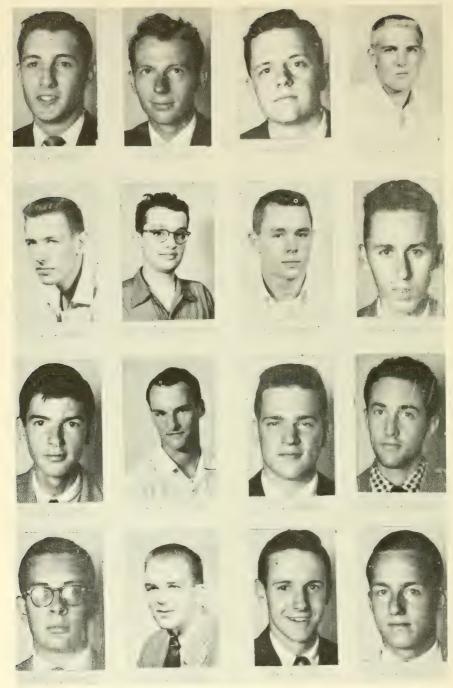


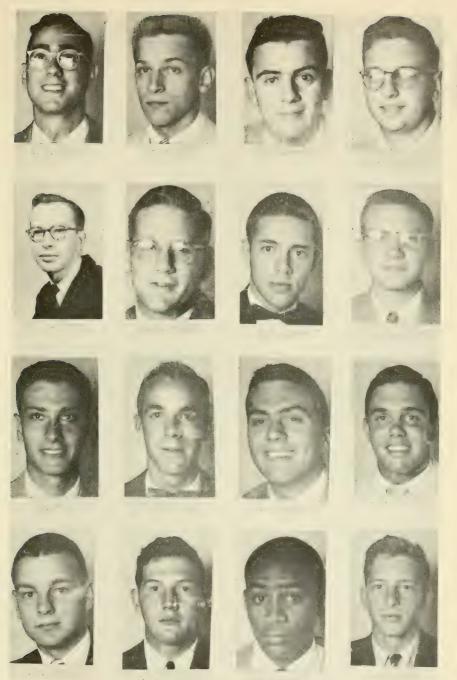


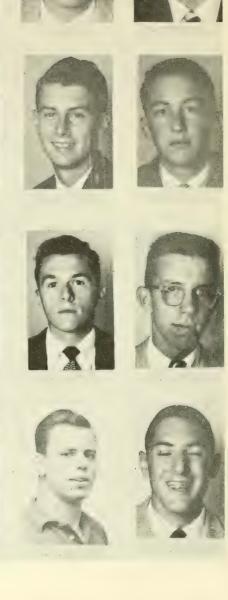


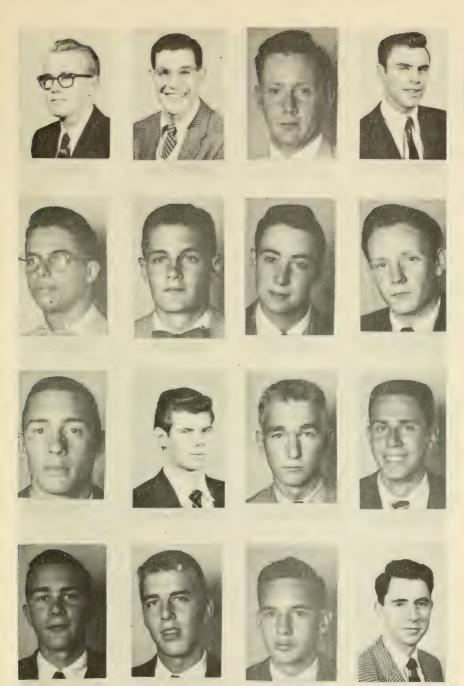


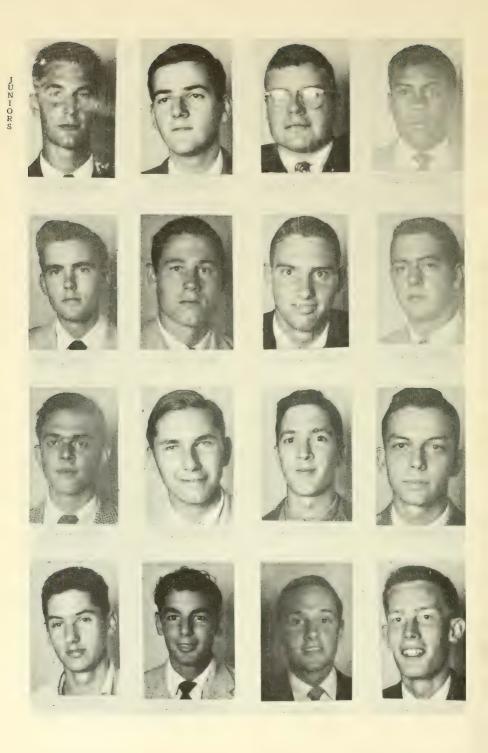


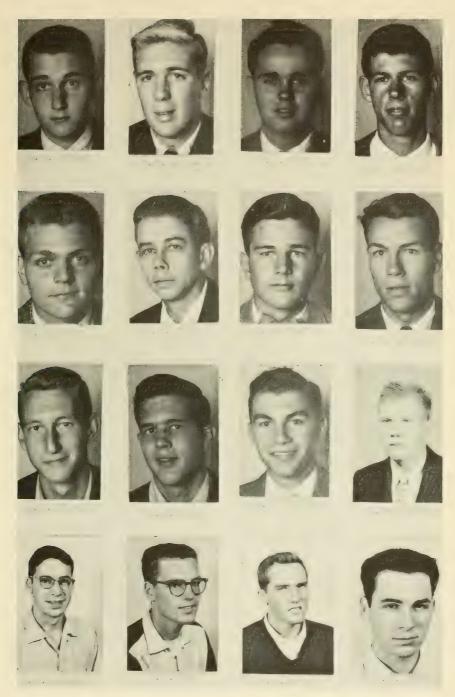


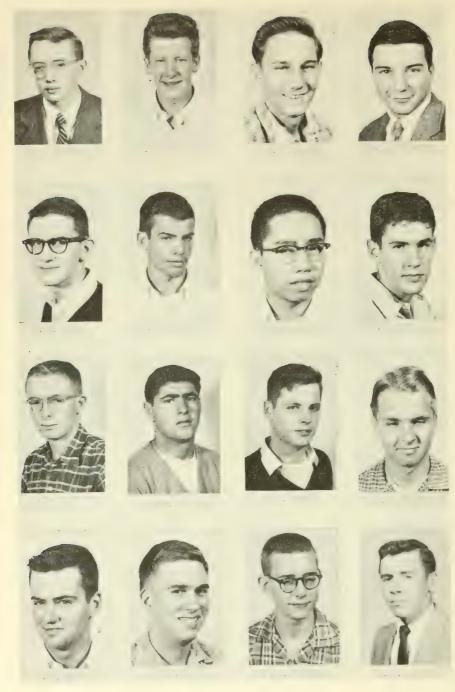


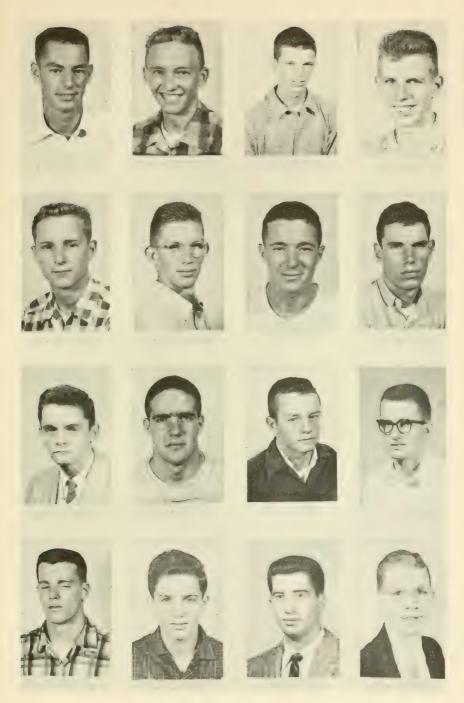


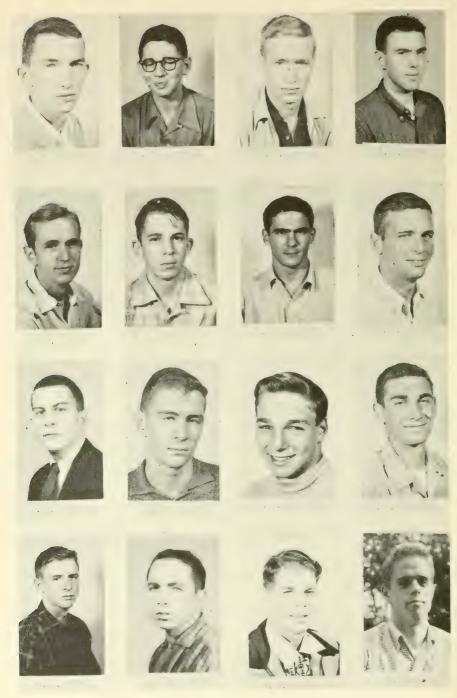


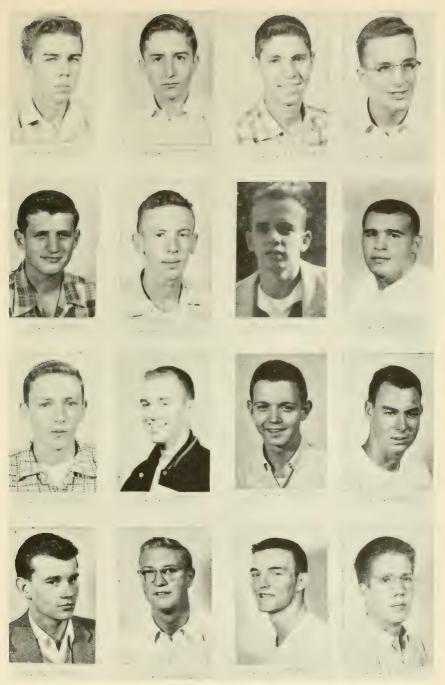


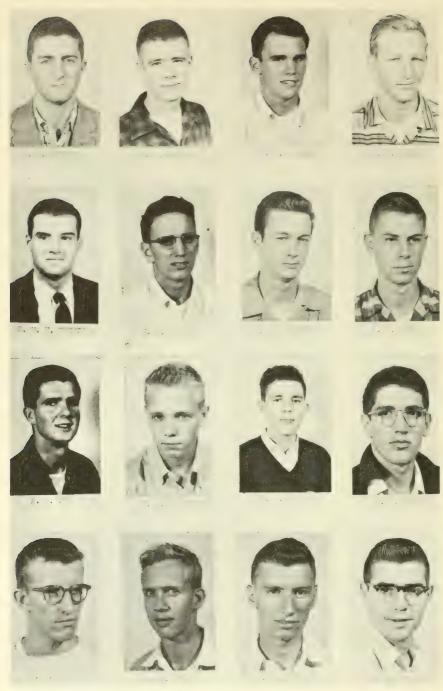


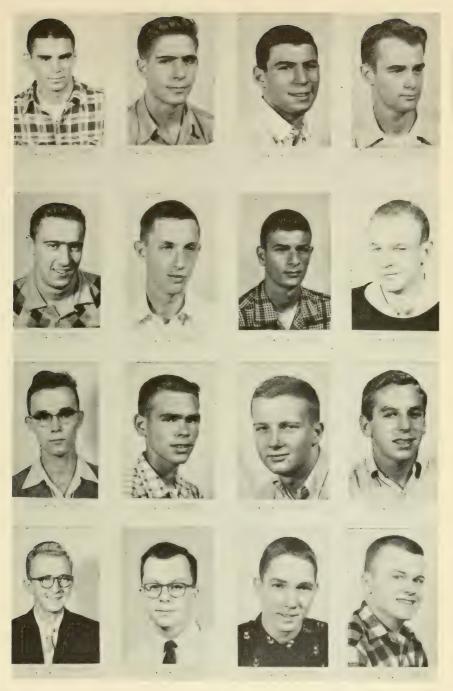


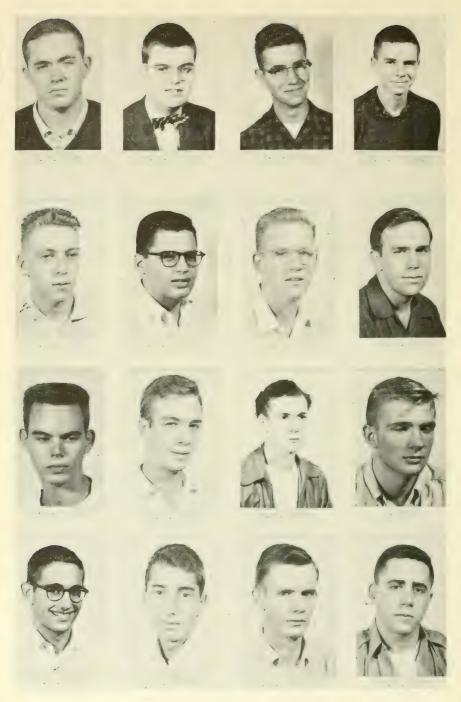
















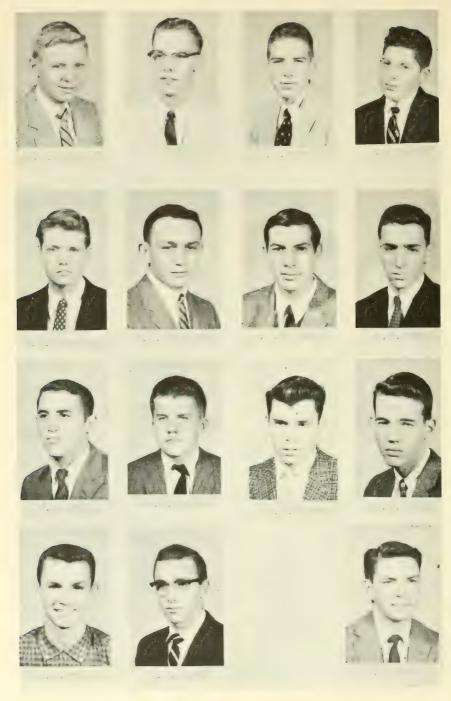












Students arranged by Class in which they are enrolled during the first semester of 1956-1957.

#### FRESHMAN CLASS

Albright, Randall Lowder Alderson, Evan Wroe Alexander, Gregory Gilbert Allen, Russel Greene, Jr. Andrews, Willard Elmer Arnow, Peter Leslie Baker, John Dennis Ballard, Alexander, Jr. Bauer, Andrew Frank Behling, George Rogers Blanchard, James Trimble Bluestein, Richard Boice, Edward, Jr. Bradley, Keith Walker Brobyn, Robert John F. Bullard, Truman Campbell Carlin, James Francis, Jr. Carpenter, George Garrett Chace, William Murdough Clark, Allen Magruder Clogg, Mitchell Downes, Jr. Cohan, Jarret Nanes Coker, John William Collett, Jonathan Howard Conn, Coulson Alan Cook, Daniel Joseph Cornwell, Robert G. Curtin, Lawrence Bruce Dahlberg, Albert Edward David, Joseph Harris DeJong, John Grimes Del Bello, Thomas Michael Duff, Thomas Alexander Emlen, John Merritt Forman, Lawrence Thorne Fulkerson, Joseph Gilman Fuller, Williamson W., III Garrett, Alfred Cope Gary, Melvin Lee Gerdine, Philip Van Horn, Jr. Goggin, Malcolm Lowery

Harvey, Frank Laird, III Harvey, Robert Bishop Haworth, Gary Nicholas Hayter, John Bernard Hillier, Richard David Hoffman, Harold Leon, Jr. Houston, William Arnot Howard, Peter Brigham Howard, William Jones Howe, John Stewart, Jr. Howell, Andrew Jay Hurford, John Boyce Iserman, Robert Jones, William Wells Kaufman, Malcolm Edward Klingenmaier, C. Herman Kohn, Michael Harvey Korper, Jon Stevens Lary, Nikita Michael Lawrence, F. VanB., Jr. Leonard, Gerry Webster Levin, Gerald Manuel Lewis, Timothy Lipton, Charles Samuel Lo Cicero, Joseph C., Jr. Longbotham, Edward M., Jr. Macort, John Gilbert, Jr. Margie, Robert Paul McCurdy, Glenn Albert McGee, Paul Cushman McKelvey, Donald Blake Mermin, Richard Shire Miller, Robert Stephen Miller, Thomas W. C. Monkemeyer, Karlin R. Morgan, David Walter Morrissey, J. Michael Muller, Werner Ernst, Jr. Murray, Wallace Arthur, Jr. Nelson, David Everett Newcomb, Benjamin Havelock

Olsen, Gary Kent Osgood, Charles Freeman Parker, George G. C. Pelouze, H. Pierce, 3rd Pierce, E. Everett, III Pyke, John Secrest, Jr. Ramey, J. Allen Ray, William Bell, Jr. Raymond, Geoffrey Hall Rhoads, David G. Rhoads, Jonathan Evans, Jr. Rogers, Joseph Evans, Jr. Rondthaler, David Lee Russell, Gregory Rowland Schramm, Lawrence Peter Schulze, Frederick Charles, Jr. Shapiro, Stephen Strauss Sheesley, Jay McCormick Sheitelman, A. Louis Shepherd, John Edwin, Jr. Shivers, David Sinclair, Paul Francis Smith, Jonathan Zittel Speer, Brownlow Main Speller, Frank Newman, III Stevenson, Leland Ernest, Jr. Stites, Daniel Page Summers, Dudley Wilson Talbot, David Newell Teitelbaum, Richard Threadgill, F. Dycus, Jr. Ungerleider, James Samuel Van Alphen, Robert Jan Wedner, Marc Robert Weil, Jonathan Schaffner Whitman, Malcolm Douglas Woldorf, Norman Melvin Wooton, Russell Wright Wright, Arthur Winslow Wright, Ralph Thompson

#### SOPHOMORE CLASS

Alexander, Henry Jacob Baker, David Ridenour Barnes, Sidney Brown, Jr. Bertolet, Frederick Cook Bingham, William R., Jr. Brewster, J. Gurdon Brown, Edwin Geyer Brown, William Michael Campbell, Bruce Davidson Char, David Chi-Hoy Clemson, Daniel Michael Colburn, Robert Marshall Concors, Alan J. Cooper, James David Coulthurst, John Curtis, Richard Walker Davis, Peter Nelson Dietrich, Frank Sigel, Jr. Dorsey, William Allen, III Eidenberg, Peter J., III Engelhardt, Hans W. Fischer, Allen Carmalt Fite, George Warner Forbes, J. Dexter Fullard, William George, Jr. Goggin, M. Gregory Gould, Richard Gerardus Grambs, David Lawrence Green, Alexander Ayres

#### SOPHOMORE CLASS

Green, Willard Poole Gresimer, John Dubosq, II Griffith, Lawrence Stacey Hargadon, Frederick A. Hecht, Jeffrey Karl Heiman, Elliott Martin Hill, Horatio Seymour, Jr. Hobaugh, Richard Lee Horan, David Emerson Hornbaker, John Harlan, Jr. Horwitz, Henry Gluck Hurd, Christopher W., Jr. Howard, Charles Boyd Hutt, David Michael Jackson, Donald Richard Johnson, Alan Elliott Kaback, Michael Melvin Kaegi, Walter Emil, Jr. Kain, David Hay Katowitz, James Andrew Kittner, Philip Joel Kriel, Robert Lee Lathrop, Robert Gill Lauve, Donald Lauriston Lederer, Richard Henry Lee, James Oakley Leeser, Harry MacLure Liechty, Gordon Acheson Liguori, Victor A. Lindeman, William Harvey Long, Anthony Byre

Lowenthal, Joel Richard Lyman, Frank Trenholm, Jr. Mamana, Joseph Marshall, Jr. Marsden, George Mish Matthews, Robert Moore Maud, Laurence Collier McLeod, Hugh Wallace Meade, Price Clarke Merz, Frederick Halbach Michener, Bryan Paul Miller, Andrew Lord Miller, John David Miller, John Philip Morris, James Howard Moyes, James Robert Norris, Paul E. H. Ogden, Hugh Stephen Patrick, Richard Barton Peck, Newton Tenney, Jr. Phillips, H. Alexander Phillips, Michael Haider Porter, Robert Russell, Jr. Potts, C. Anthony Pursel, Charles Barton Rice, Emery van Daell Rignall, Raymond Hoyle, Jr. Rivers, David Buchanan Robinson, Theodore Alan Scarborough, Donald Aldrich Zapf, Erik Schear, Richard David Scholl, Donald Byrd

See, Fred Gared Sharp, Alexander B. Shaw, Frederick Howard Sheldon, Timothy Marvin Sherk, Larry Wayne Smith, John Kohler Spangler, George Mervin, Jr. Stein, Adam Steward, Palmer Gilbert Stockebrand, William John Stone, Donald Adelbert, Jr. Stone, John William Taylor, William Graves Teem, Martin Van Thorne, Charles Greenwood, Jr Tobias, Joel Allan Trenbath, Robert Wight Tubis, Stuart Harvey Vastine, J. Robert Weber, William Farnsworth Weidman, Robert Ogden West, William Nelson, IV White, Elijah B., III Wing, Nathaniel Wolf, Edwin Davis Wolff, Peter Wolfinger, Howard Leiter, Jr. Yood, Herbert Michael

# JUNIOR CLASS

Adams, John Francis Adams, Michael Ian Aiken, Paul Lambert, Jr. Baker, T. Nelson, III Barnert, Nyles Nathan Benjamin, Robert Stowe Berlin, Cheston Milton, Jr. Bertolet, William Cook Boyer, James Lorenzen Bradley, Edward L., Jr. Buck, Alfred Sands Bucy, James Gordon Cable, Peter George Carragan, William D. Christmas, Lawrence B. Clark, Laurence Huber Conroy, Frank Crawford, John Fort Crist, Robert L. Dane, Henry James Duff, Stewart M. Edsall, David T. Ellis, David Wertz Ellison, George Henry Eyster, Aden Daniel Feick, Mead Mather

Fogel, Michael Roy Foshay, John Maxwell Friedman, Burton Gallager, Laurence R. Geist, Kenneth Lee Gelser, Leigh Maxfield Getty, Carl James Gold, Allan Greenleaf, Newcomb Grove, Bruce A., Jr. Gunster, Gerald D. Halstead, Lauro DeB.S. Hardy, Roger B. Harkins, John J. Harrison, Eric J. Hershey, John W. B. Hill, Richard M. Hoffman, David L. Holmes, James D. Hopper, Robert J. Hoppin, Nicholas Humphreys, Marvin W. Hunt, Peter Thomas Hurchalla, George, Jr. Johnson, Myles Arthur Johnston, Jamie H.

Kaback, H. Ronald Kelly, Richard Macy Kerr, Douglas Stuart Klinman, Norman Knight, Charles Anthony Koskoff, Eric Gilbert Krause, Robert L. Kunz, Carl Norman, Jr. Kurzman, Harold P., Jr. Lenfest, David Stanley Lutherer, Lorenz Otto Macon, Edwin Jay Maddock, Thomas, II Medsger, Thomas Arnold, Jr. Mohr, Jay Preston Monkemeyer, H. Shenton Montgomery, J. Langford, Jr. Musser, Harold Everett, Jr. Nolte, Kemble P. Nowlis, David Peter Parker, Daniel E. Pedrick, Perkins C. Pennell, Franklin H., Jr. Platt, Hermann K. Pratt, Robert G. Price, Hollis F., Jr.

#### JUNIOR CLASS

Price, Leighton A.
Ralph, Boyd Graham
Randall, Mark Holbrook
Rauch, Richard McK.
Reill, James Henry
Riegl, Jan Anthony
Rockwell, Peter Barstow
Rodewald, Paul G., Jr.
Sarnoff, Stephen B.

Sayles, William Arthur Schoonover, Eric T. Schramm, Richard E. Segal, Don Mark Schultz, Robert L. Smith, Earl Jennings Squires, Edward Chadwick Steele, Thomas Hartman Thomas, C. Howard, Jr. Thorpe, Edward Joslin Tilley, Jon Peter Van Arkel, A. Thomas Weigert, Martin George Wills, Daniel Cope Winter, Donald Paul Wollstadt, Roger Davis

#### SENIOR CLASS

Abramson, Marc Fred Acton, Alfred Allen, Harry Rodman Allen, Paul Revere, Jr. Amsterdam, Tony Guy Barr, Mason, Jr. Belash, David Cabot Bernstein, John Albert Bing, Anthony Grayum Block, Blaine Lee Bookhammer, Robert S., Jr. Brown, Charles V., Jr. Challener, Robert C. Chandler, Gail E. Charlson, Murray T. Calkins, Kenneth Roy Clavel, Pierre Cohen, Richard Lewis Cooper, T. Astley Cope, John Garrett Coroneos, Clive R. Cowen, Arthur, III Crane, Donald Arthur Densford, Robert W. Dent, Benjamin A. Doherty, William P., Jr. Donham, Michael B. Fairfield, E. Steven Farrell, Henry M. Ferguson, Lawrence C., Jr. Forman, Phillip Marvin Forman, Richard T. T. Foster, Roger S., Jr. Francis, James B., Jr. Gallant, Jonathan A. Goodman, Jay S.

Gray, John Henry, III Groff, Diller Baer, III Gruber, John B. Haberland, Paul M. Hamester, Hans Lorenz Hart, Benson H. Harvey, Thomas B., Jr. Haviland, Paul Robbins, Jr. Hecht, Warren Bernard Heeg, Michael Morris Helmstadter, Thomas H. Henderson, Rolland H. Hoover, Henry Brown, Jr. Hopkins, P. Donald Hudson, F. Eugene Hunt, Robert Ward Hunter, Allan A., Jr. Iriye, Akira Johnson, Stanley B., III Joyce, Thomas Joseph, Jr. Kilpatrick, Robert W. Kravis, Gary I. Lachman, Alan Barry Leeds, Robert West, Jr. Levin, Joel Melvin Lindeman, Robert John Long, Wm. Herbert, III Mack, Charles S. Matlack, Louis Rogers Meaker, Douglas Walter Meloney, J. Peter Mezger, Erik Bertram Milam, Lorenzo W. Moody, James P. Jr. Moses, Sanford H., Jr. Moss, William W., III

Murray, William M. Nauman, Daniel William Newmeyer, William L., III Nickel, Paul Ervin Noyes, Robert Wilson Paine, Lincoln Denton Panken, Peter Michael Pine, Edward Hugh Plass, Neil Walton Price, Robert B., Jr. Rehmeyer, Richard C. Sanson, Ralph C., Jr. Schott, John Robert Smith, Richard B. Stevens, Edward J., III Stine, William David Stover, Donald Oscar Swift, Daniel Wheeler Thomas, Henry M., III Torg, Joseph Steven Tyson, William Bliss Unger, Thomas Versaci, Frank, Jr. Wagner, Richard V. Wallace, John Gilbert Walton, Howard L. Warde, William David Whitney, James Newcomb Wilbur, Ernest Reed Wilentz, Jack Nathan Willcox, David L. Winans, Charles S. Wolf, Howard Louis Yost, William Arthur, III Zavitz, Peter K. C.

GRADUATE STUDENT

Gardner, Peter Carleton

SPECIAL STUDENTS

Clark, Jonathan Joseph Clurman, Rodney Hart Isay, Richard Alexander

# COMMENCEMENT

1956

### PRIZES

The Clementine Cope Fellowships for 1956-57 for graduate study at another institution have been awarded to

CARL ROBERT RUPPENTHAL, Jr., 1956, First ROBERT RUSH TRAUT, 1956, Second

Second Prize JOEL R. LOWENTHAL, 1959

The Alumni Prize for Composition and Oratory
has been awarded to
JOHN F. ADAMS, 1958

The Scholarship Improvement Prizes for two Seniors who have shown the most steady and marked improvement in scholarship during the college course have been awarded as follows:

First Prize WILLIAM WHITE, JR., 1956
Second Prize Franklin Heaps Duttenhofer, 1956

The Class of 1896 Prizes in Latin and Mathematics for Sophomores have been awarded to

ALFRED ACTON, II, 1957, Latin

JAMES H. REILL, 1958, Mathematics

The Lyman Beecher Hall Prize in Chemistry for Juniors, Seniors, or Graduates, within three years of graduation who expect to engage in research has been awarded to

JOHN H. MIKHAIL, 1956

The Founders Club Prize for the Freshman who has shown the best attitude toward college activities and scholastic work has been awarded to

JOHN GURDON BREWSTER, 1959

The William Ellis Scull Prize for the upperclassman who shall have shown the "greatest achievement in voice and the articulation of the English Language" has been awarded to

NEWELL BRACKETT MACK, 1956

The George Peirce Prize in Chemistry or Mathematics offered exclusively for students who expect to engage in research has been awarded to

ROBERT RUSH TRAUT, 1956

The Class of 1910 Poetry Prizes for the best verses written by Haverford undergraduates during the year have been awarded to

> TONY G. AMSTERDAM, 1957 STEPHAN CHODOROV, 1956

The Class of 1902 Prize in Latin has been awarded to

CHARLES G. THORNE, 1959

The Newton Prize in English Literature on the basis of Final Honors in English has been awarded to

JOEL I. JUDOVICH, 1956

The S. P. Lippincott Prize in History has been awarded to

AKIRA IRIYE, 1957 JOHN S. JORDAN, JR., 1956

Elliston P. Morris and Elizabeth P. Smith Peace Prize for the best essay on "Means of Achieving International Peace." an award of \$50.00 to

JOHN KREMER ARMSTRONG, 1956

The Edmund Jennings Lee Prize, for that student organization which has done most to advance the interests of Haverford College during the current academic year has been awarded to

NAUTICAL CLUB

# HONOR SOCIETIES

# PHI BETA KAPPA SOCIETY

The following members of the graduating class were elected during their Junior year

JOHN SMITH BARRETT ROBERT BRUCE GREER, III CARL ROBERT RUPPENTHAL, JR. MICHAEL ELLIOT SMITH ROBERT RUSH TRAUT

# elected during their Senior year

GEORGE MINOR ANDERSON
JOHN KREMER ARMSTRONG
A. RALPH BARLOW, JR.
DAVID FREDERICK DORSEY, JR.
DANIEL EVERETT HARRIS
RICHARD ALEXANDER ISAY
DONALD CARLTON MEAD
JOHN HANNA MIKHAIL
JAMES ROBERT SHUSTER
GERALD STUART WITHERSPOON

The following members of the Junior Class have been elected

MARC FRED ABRAMSON
TONY GUY AMSTERDAM
RICHARD LEWIS COHEN
AKIRA IRIYE
ROBERT WYLIE KILPATRICK
ROBERT WILSON NOYES
HENRY MALCOLM THOMAS, III

#### FOUNDERS CLUB

The following persons were elected for merit in both studies and college activities:

During 1955

ROBERT B. GREER, III, 1956 ROBERT ALLAN IRVINE, 1956 GEORGE PAUL KEELEY, 1956 LOUIS ROGERS MATLACK, 1957 THOMAS W. MARTENIS, 1956

During 1956

VINCENT SALVATORE AVERNA, 1956
A. RALPH BARLOW, 1956
JOHN HENRY DICK, 1956
DAVID FREDERICK DORSEY, JR., 1956
PHILLIP M. FORMAN, 1957
ROBERT JOHNSON GAGE, 1956
WILLIAM W. MOSS, III, 1957
JOHN R. SCHOTT, 1957
HENRY M. THOMAS, III, 1957
JOHN WOODWARD THOMAS, 1956
DAVID L. WILLCOX, 1957

# **FACULTY MEMBERS:**

MANUEL J. ASENSIO
THOMAS E. DRAKE
MARTIN FOSS
LOUIS C. GREEN
THEODORE B. HETZEL
HOLLAND HUNTER
THOMAS O. JONES
ABRAHAM PEPINSKY
RALPH M. SARGENT
LAURENCE W. WYLIE

# HONORS

| HIGHEST HONORS                         |                      |  |
|--|----------------------|--|
| Gerald Stuart Witherspoon, 1956        | Philosophy           |  |
| HIGH HONORS                            |                      |  |
| George Minor Anderson, 1956            | English              |  |
| JOHN SMITH BARRETT, 1956               |                      |  |
| RICHARD ALEXANDER ISAY, 1956           |                      |  |
| Donald Carlton Mead, 1956              | Economics            |  |
| MICHAEL ELLIOT SMITH, 1956             | Political Science    |  |
| HONORS                                 |                      |  |
| JOHN KREMER ARMSTRONG, 1956            | Political Science    |  |
| A. RALPH BARLOW, Jr., 1956             | Philosophy           |  |
| Frederick Michael Burelbach, Jr., 1956 | English              |  |
| Franklin Heaps Duttenhofer, 1956       | Mathematics          |  |
| ROBERT JOHNSON GAGE, 1956              | Engineering          |  |
| Marshall Gary Greenberg, 1956          | Psychology           |  |
| Daniel Everett Harris, 1956            | Physics & Astronomy  |  |
| JOHN ROBERT HAWKINS, 1956              | Music                |  |
| Richard M. Johnson, 1956               | Psychology           |  |
| JOEL I. JUDOVICH, 1956                 | English              |  |
| JOHN L. KEMMERER, 1956                 | Economics            |  |
| F. Treville Leger, 1956                | Sociology            |  |
| ROBIN SCOTT McDowell, 1956             |                      |  |
| JAMES LOWELL MCMASTERS, 1956           | Spanish              |  |
| HAROLD MICHAEL MANN, 1956              | Economics            |  |
| WILLIAM JAMES MARBLE, 1956             | English              |  |
| JOHN HANNA MIKHAIL, 1956               | Chemistry            |  |
| Louis Howard Miller, 1956              |                      |  |
| JAMES ROBERT SHUSTER, 1956             | French               |  |
| Lamar deBenneville Woznicki, 1956      | Spanish              |  |
| HONORABLE MENTION                      |                      |  |
| Alfred Acton, II, 1957                 | Latin 14             |  |
| JOHN F. ADAMS, 1958                    | Social Science 11-12 |  |
| ROBERT J. HOPPER, 1958                 | English 12           |  |
| Peter T. Hunt, 1958                    |                      |  |
| Howard Ronald Kaback, 1958             | English 11-12        |  |
| Robert L. Krause, 1958                 | English 11-12        |  |
| GARY I. KRAVIS, 1957                   |                      |  |
| JOEL R. LOWENTHAL, 1959                |                      |  |
| James H. Reill, 1958                   | English 11-12        |  |
| JOHN R. Schott, 1957                   | English 12           |  |
| Donald A. Stone, Jr., 1959             | French 21-22         |  |
| Charles Greenwood Thorne, Jr., 1959    | Latin 14             |  |

#### BACHELORS OF ARTS

GEORGE MINOR ANDERSON JOHN KREMER ARMSTRONG VINCENT SALVATORE AVERNA JAMES ESTES BAKER JAMES WINSOR BAKER, JR. A. RALPH BARLOW, JR. JOHN SMITH BARRETT SAMUEL AUSTIN MCKAY BISHOP ROBERT BROUGHTON Frederick Michael Burelbach, Jr. Harold Michael Mann PRAMOTE CHANGTRAKUL STEPHAN CHODOROV DONALD FRANK COHILL PHILIP D'ARRIGO JOHN HENRY DICK DAVID FREDERICK DORSEY, JR. WALTER BOND DOUGLAS JON RICKARD DUNGAN FRANKLIN HEAPS DUTTENHOFER GEORGE HAMILTON FETTUS, III THOMAS HASKELL GARVER GERALD SPENCER GOODMAN JOHN HOVEY GOULD JOSEPH EDGAR GREEN, III MARSHALL GARY GREENBERG ROBERT BRUCE GREER, III NORMAN GROSSBLATT ROBERT TUCKER HALL WINFIELD SCOTT HALL DANIEL EVERETT HARRIS JOHN ROBERT HAWKINS DAVID BAKER HENSEL ANDRIS M. HIRSS BRUCE JEREMY M. INNES ROBERT ALLEN IRVINE RICHARD ALEXANDER ISAY Otis Stafford Johnson RICHARD M. JOHNSON JOHN STANLEY JORDAN, JR. JOEL I. JUDOVICH GEORGE PAUL KEELEY

JOHN L. KEMMERER JEROME JOSEPH KLINMAN STEPHEN BROOKS KNOWLTON, JR. ERNEST KURKJIAN THOMAS JOHN LADENBURG F. TREVILLE LÉGER CRAIG MACKOWN WILLIAM JAMES MARBLE GEORGE MALKO JOHN FUNSTON MARQUARDT THOMAS WILLIAMS MARTENIS STANLEY L. J. MAZUREK ROBIN SCOTT McDowell ARTHUR MANNING McLEAN JAMES LOWELL MCMASTERS DONALD CARLTON MEAD JOHN HANNA MIKHAIL Louis Howard Miller EDWARD LAU MINNICH, JR. RICHARD CARLYLE MONROE H. WILLIAM ORTMAN JOHN LUCAS PFALTZ THEODORE MILTON REGAN, JR. FRITZ GUNTHER RENKEN PETER MILLARD RENNER JOHN BERTOLET RHOADS H. BURTT RICHARDSON CARL ROBERT RUPPENTHAL, JR FREDERICK NOEL SCHWENTKER DAVID BURLEIGH SEAVER HAROLD STARK SEMANS HERBERT WELLER SHAW, JR. JAMES ROBERT SHUSTER STEVEN SIEVERTS MICHAEL ELLIOT SMITH GUY GIL SOTOMAYOR GEOFFREY HAZARD STEERE JOHN MICHAEL STEPHENS NEIL WILLIAMS SWINTON, JR. JOHN WOODWARD THOMAS

ROBERT KIYOSHI TOGASAKI

#### BACHELORS OF ARTS continued

ROBERT RUSH TRAUT

JAMES LOGAN VINEY
HAROLD DODSON WEAVER, JR.
COURTLAND YARDLEY WHITE, IV
JOSEPH J. ZAMBA-REEVES

DANIEL ALEXANDER WIELAND, JR.
GERALD STUART WITHERSPOON
LEWIS RULAND WOODHAM
LAMAR DEBENNEVILLE WOZNICKI

# as of June 3, 1955

JOHN JAMES ALLEN

JAMES BIDDLE BRADBEER

WILLIAM SIDNEY BRADFIELD, JR.

JOHN EDWARD DIXON

JOHN BUCKNELL FLINT

ROBERT GORDON RIDGEWAY

KENNETH GEORGE HAMILTON

NORMAN SPENCER HILL, JR.

DONALD ELLSWORTH KERN

ARTHUR KLEIN

ROBERT DUFF MASTERSON

#### BACHELORS OF SCIENCE

MARK BERNARD FREEDMAN
HARVEY ALBERT FREEMAN
HAROLD MARCUS FRIEDMAN
ROBERT JOHNSON GAGE
HENRY WILLIAM HITZROT, JR.
WILLIAM
WHITE, JR.
HOSEPH H. S. HOAG
JOSEPH H. S. HOAG
HARVEY ALBERT FREEMAN
ROBERT JOHNSON GAGE
ROBERT FRANKLIN PATT
DAVID SELLERS WALTON
WILLIAM
WHITE, JR.

# MASTERS OF ARTS — S. T. A. CURRICULUM

Wanda Joan Burke (B.A. University of Michigan)
ICHIYA HAYAKAWA (B.S. Tokyo Inst. of Technology)
FINN HORNUM (Student Jur. University of Copenhagen)
YUTAKA ISHIYAMA (B.S. University of Tokyo)
NANCY H. LELLEP (B.S. University of Wisconsin)

# MASTER OF ARTS

EDWARD JOSEPH BAYLIS THOMAS (B.A. Haverford College, 1954)
Thesis: "A Study of the Status of Becoming" in Plato's Metaphysics.

# MASTER OF SCIENCE

HEINZ FRANK KOCH (B.S. Haverford College, 1954)
Research: "The Identification of Esters."

# HONORARY DEGREES

IWAO F. AYUSAWA Doctor of Laws
GILBERT F. WHITE Doctor of Science

# Students Enrolled in February

Issued quarterly by Haverford College, Haverford, Pennsylvania

Entered as second-class matter November 2, 1944 at the Post Office at Haverford, Pa., under the Act of August 24, 1912

# Haverford College Bulletin



THIS ISSUE CONTAINS THE

REPORT OF THE TREASURER AND COMPTROLLER

1955 - 1956

VOLUME LV

NUMBER FOUR



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|---|--|
| Chairman of the Board of Managers   |  |
| S. Emlen Stokes   |  |
|   |  |
| Acting President of the College   |  |
| Archibald MacIntosh   |  |
|   |  |
| President-Elect of the College  |  |
| Hugh Borton Hidden Springs Farm, Neshanic Station, N. J.                          |  |
|   |  |
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| Secretary of the Corporation  |  |
| John F. Gummere   |  |
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| BOARD OF MANAGERS   |  |
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| John A. Silver Apple Hill Farm, Pipersville, Bucks Co., Pa.                       |  |
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| Henry Scattergood Germantown Friends School, Phila. 44, Pa.                       |  |
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| Term Expires 1958   |  |
| Jonathan M. Steere  |  |
| Stanley R. Yarnall  |  |
| Dr. Henry M. Thomas, Jr   |  |
| Alexander C. Wood, Jr #48 The Bourse, 4th & Chestnut Sts. Phila. 6, Pa.           |  |
| Harold Evans  |  |
| Russell W. Richie   |  |
| Dr. Joseph Stokes, Jr Children's Hospital, 1740 Bainbridge St., Phila. 46, Pa.    |  |
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| *John S. Williams   |  |
| Richard Reeve Wood Riverton Rd., R. D., Riverton, N. J.                           |  |
| Term Expires 1959   |  |
| M. Albert Linton  |  |
| Edward Woolman  |  |
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|   |  |
| Garrett S. Hoag   |  |
| Dr. Jonathan E. Rhoads  |  |
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| *James P. Magill  |  |
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| Wm. Nelson West 3rd 1600 Three Penn Center Plaza, Phila. 2, Pa.                   |  |
| win. Nelson west ord 1000 Three Felin Center Plaza, Phila. 2, Pa.                 |  |
|   |  |

\*Alumni Representative Manager

### FACULTY REPRESENTATIVES ON BOARD OF MANAGERS

| Laurence W. Wylie  |
|--|
| Louis C. Green   |
| Alternates Francis H. Parker (expires 1957) Haverford College, Haverford, Pa. Howard M. Teaf, Jr. (expires 1958) Haverford College, Haverford, Pa. |
| MEMBERS OF THE STANDING NOMINATING COMMITTEE   |
| THE CORPORATION  |
| J. Barclay Jones   |
| Dr. Frederic C. Sharpless  |
| Philip G. Rhoads   |
| COMMITTEE TO NOMINATE THREE MEMBERS OF STANDING NOMINATING COMMITTEE   |
| C. Wilbur Ufford, Convenor   |

# STANDING COMMITTEES OF THE BOARD OF MANAGERS OF THE CORPORATION OF HAVERFORD COLLEGE appointed Tenth Month 16, 1956

#### **Executive Committee**

Dr. S. Emlen Stokes, Chairman Jonathan M. Steere Alexander C. Wood, Jr. Dr. Frederic C. Sharpless Edward W. Evans John F. Gummere Dr. Jonathan E. Rhoads Wm. Morris Maier Thomas B. Harvey Thomas W. Elkinton Theodore Whittelsey, Jr. M. Albert Linton

Wm. Nelson West 3rd, Secretary

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James P. Magill

Wm. Morris Maier Harold Evans Russell W. Richie

#### Committee on College Property

John A. Silver Chairman William A. Battey Edward Woolman Henry C. Evans

Philip G. Rhoads

Donald E. Wilbur Thomas W. Elkinton Geoffroy Billo Thomas B. Harvey

#### Committee on Honorary Degrees

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#### Secretary of the Board

Wm. Nelson West 3rd

#### Counsel

MacCoy, Evans & Lewis 1000 Provident Trust Bldg., Phila. 3, Pa.

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|---|
| B.A., Haverford College; A.M., Columbia University; Ph.D., University of Pennsylvania.  |
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| Mrs. Edytha M. Carr Registrar   |
| Aldo Caselli  |
| John Ashby Lester, Jr   |
| Thomas Edward Drake Curator of the Quaker Collection A.B., Stanford University; A.M., University of Michigan; Ph.D., Yale University. |
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| Ruth L. Blessing  |
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| Bennett Smedley Cooper Alumni Secretary and Assistant to the President B.S., Haverford College.                                       |
| Gertrude Mann Wonson  |
| Mrs. Alice M. Berry Secretary to the President  |
| Mrs. Florence N. Andrews Secretary to the Dean  |

#### THE CORPORATION OF HAVERFORD COLLEGE

Philadelphia 10th Month 16th, 1956

#### TO THE BOARD OF MANAGERS AND THE CORPORATION

The report of your Treasurer for the year September 1, 1955 to August 31, 1956, together with that of the Auditors, is submitted herewith.

Again the College, in spite of somewhat increased expenses, ended the year with a small operating surplus of \$37,773.06. It is interesting to note that in the past five years the cost of operating the College has risen from \$847,460 to \$1,061,126, over 25 per cent. Income has fortunately so far kept pace, but in this ascending spiral perhaps a timely word of caution on expenses other than Faculty Salaries should be in the record.

Endowment during the period has been both increased and decreased: decreased, for we are beginning to pay for the physical improvements to the college, the Corporation's share of the building program, a diminution this year of \$120,000 in funds; increased, for bequests, gifts, and the first half of the grant from the Ford Foundation in the amount of \$265,000 have led to a total addition to Funds and Trusts of \$445,769.94. All of this means that on August 31st, 1956, the total book value of Funds and Trusts under the care of the College amounted to \$11,299.834. The market value of these Funds and Trusts was on that date \$16,893,111.

A substantial portion of these funds is invested in college real estate, and this year I propose to focus attention on this item. Campus real estate includes only income-producing faculty houses and apartments. All other college buildings, class rooms, dormitories, library, power plant etc., are not considered as investments and are consequently not on our books at any value.

There are 63 full time faculty and administration at the College for whom an effort is made to provide on-campus housing. Originally most of the faculty had their own houses, but as time went on and the faculty increased in number, it seemed desirable to convert the larger houses into apartments. There are now 17 houses and 36 apartments on the campus or immediately adjacent thereto. Not taken into account are five faculty built and owned houses with recapture provisions. Ten of the apartments and two of the houses are occupied by retired staff members.

The investment in campus real estate totals \$382,078, (exclusive of Merion Hall and certain minor items), and the return on this amount this year was 2.9%; of this  $1\,1/2\%$  goes toward amortization of these old properties leaving a net return of 1.4%. However, even these figures do not reveal the true investment and rate of return. The former would be higher and the latter lower than that stated, if a number of houses were placed on the books at their real value. The eight College Lane houses are now set forth at an arbitrarily low valuation at which they were taken over; several of the apartments appear on the books solely at the cost of conversion from house to apartment, and four of the apartments in buildings used for student housing and producing substantial rents which are taken in the above calculations are, like other college buildings, on the books at no value at all.

These figures do, however, indicate the interest of the College in adequately housing its faculty and the quiet but substantial subsidization which is made by the College towards this end.

After ten years the final amortization payments have been made on the cost of the Barclay Hall fire and of the "new" boilers. A strong attempt is being made to keep up the physical plant out of current operating income rather than defer either this maintenance item or spread the cost of major replacements over several years.

In view of the continued high level of the stock market, and in view of the need for cash for the building program, the Finance Committee authorized the sale of carefully selected common stocks which resulted in realized gains of \$347,660. In our Consolidated Investments the percentage of common stock at book value remained 46%, and at market value was 62%; in bonds, 22% and 15%; in preferred 23 1/2 and 17%; in mortgage, miscellaneous and campus real estate 8 1/2% and 6%.

The income from the John Farnum Memorial Fund and the John Farnum Brown Fund was expended in the manner specified by the terms of the trust.

In conclusion, your Treasurer is moderately sanguine about the coming year. As of September 1st faculty salaries rose substantially, but as of that date the annual giving program of our loyal alumni moved into high gear, so that with a watchful eye on expenses, we hope for a continuance of a favorable operating statement.

Respectfully submitted,

hosans

Treasurer

### THE CORPORATION OF HAVERFORD COLLEGE OPERATING STATEMENT

For the Year Ending August 31, 1956

| Receipts at College - Applicable to Budge                     | et                       |                       |              |
|---|--------------------------|-----------------------|--------------|
| Tuition:  |                          |                       |              |
| Cash  | 255,760.83               |                       |              |
| Scholarship Funds   | 56,810.84<br>12,787.77   |                       |              |
| Scholarships from Donations                                   | 20,820.56                | 346,180.00            |              |
| Board   |                          | 188,090.46            |              |
| Room  |                          | 98,272.85             |              |
| Re-examinations   |                          | 75.00<br>49,047.98    |              |
| Miscellaneous Receipts  |                          | 36,250.34             | 717,916.63   |
|   |                          |                       |              |
| Income from Funds - Applicable to Budge                       | _                        |                       |              |
| Consolidated Investments - General Fund                       |                          | 375,133.56            |              |
| William Pyle Philips Fund - General John Farnum Memorial Fund |                          | 48,383.33<br>1,714.71 |              |
| Stork Art Gift Fund   |                          | 270.13                |              |
| From Trusts:  |                          |                       |              |
| Henry C. Brown  | 8,753.76                 |                       |              |
| W. Percy Simpson  | 1,487.92                 |                       |              |
| Nathan Branson Hill   | 103.50                   | 10,345.18             | 435,846.91   |
| Donations Applicable to Budget                                |                          |                       |              |
| From General Purposes   |                          |                       | 25,337.05    |
| Interest Received   |                          |                       | 2,035.86     |
| TOTAL RECEIPTS  |                          | \$                    | 1,181,136.45 |
|   |                          |                       |              |
| Expenses of Running the College                               | 100 775 00               |                       |              |
| Administration  | 130,775.86<br>484,772.63 |                       |              |
| Maintenance & Operations                                      | 200,237.80               |                       |              |
| Dining Room & Kitchen   | 223,743.72               |                       |              |
| Development   | 21,596.52                | 1,061,126.53          |              |
| Miscellaneous Expenses  |                          |                       |              |
| Treasurer's, Secretary's, Legal                               |                          |                       |              |
| expenses & Services   | 12,110.33                |                       |              |
| Old Style Pensions  | 26,474.50                |                       |              |
| Interest  | 2,804.84                 |                       |              |
| Power Plant   | 3,900.99                 |                       |              |
| Final 1/10th cost of repairs to                               |                          |                       |              |
| Barclay Hall  | 2,930.64<br>6,298.82     |                       |              |
| Work Aid to Students  | 8,689.50                 |                       |              |
| Reserve for Death Benefit for                                 | -,                       |                       |              |
| Non-Faculty   | 1,000.00                 |                       |              |
| Alumni - Sustaining Fund - Support of Alumni Association      | 18,027.24                | 82,236.86             | 1,143,363.39 |
|   |                          |                       |              |
| Operating Surplus Added to Reserve Fund                       | 1                        |                       | \$ 37,773.06 |

#### INCOME RESERVE ACCOUNT

#### 8TH MONTH, 1956

| Balance in Reserve August 31, 1955   | \$ 48,667.96 |
|--------------------------------------|--------------|
| Operating Surplus for year 1955-1956 | \$ 37,773.06 |
| TOTAL INCOME RESERVE AUGUST 31, 1956 | \$ 86,441.02 |

# REPORT ON CONSOLIDATED FUNDS

| 10,755   1,000   1,0    |                                       | Dook Volue      | Prin     | Principal | Book Wolling    | Dologo | \$ ON        | Income          |             |        | Credit  |
|---|---------------------------------------|-----------------|----------|-----------|-----------------|--------|--------------|-----------------|-------------|--------|---------|
| 97.795.14 3,000.00 100.795.14 6,532.08 6,532.08 10.040.09 10.0755.14 13.48.05.59 148.06.59 2.837.78 6.73.88 673.88 10.040.09 10.040.09 17.18.48.05.59 148.06.59 2.837.78 12.18.49.59 148.06.59 2.837.78 12.18.49.59 148.06.59 2.837.78 12.18.49.59 148.06.59 2.837.78 12.18.49.59 148.06.59 2.837.78 12.18.49.59 148.06.59 149.59 14  |                                       | 9/1/55          | Increase | Decrease  | 8/31/56         | 9/1/55 | Income       | Expended        | Special     | Totals | 8/31/56 |
| 1,000,000   | r General Purposes                    | 1               | 0        |           | 1000            |        | 6            | 0 0             |             |        |         |
| 44,806.59         44,806.59         2,837.78         2,837.78           5,144.24         5,144.24         5,144.24         325.80           1,301,375.34         1,301,375.34         325.80           2,144.24         5,144.24         325.80           1,301,375.34         1,301,375.34         1,413.81           275,899.76         1,433.87         1,443.81         17,473.81           2,144.25         1,433.87         1,433.87         1,443.81         17,473.81           2,146.24         1,433.87         1,560.00         2,665.02         2,665.02         2,665.02           2,160.24         4,503.94         2,143.81         17,473.81         17,473.81         17,473.81           1,500.02         4,503.94         4,500.95         4,500.95         17,473.81         17,473.81         17,473.81           1,500.02         4,503.94         4,500.00         1,500.00         2,665.02         2,665.02         2,665.02         2,665.02         2,601.5         2,601.5         3,601.5         3,601.5         3,601.5         3,601.5         3,601.5         3,601.5         3,601.5         3,601.5         3,601.5         3,601.5         3,601.5         3,601.5         3,601.5         3,601.5         3,601.5         3,601.5<   | Manual Fund                           | 10 640 09       | 3,000.00 |           | 100,795.14      |        | 6,352.08     | 6,352,08        |             |        |         |
| 1,364,35  | Scull Fund                            | 44.806.59       |          |           | 44.806.59       |        | 2.837.78     | 2.837.78        |             |        |         |
| 1,144.24         5,144.24         3.55.80         3.55.80           1,201,375.34         1,301,375.34         6.24.21.19         77,572.82           27,589.76         1,301,375.34         6.24.21.19         77,572.82           21,493.67         1,301,375.34         1,301,375.34         1,301,375.34           21,493.67         42,394.72         2,685.02         2,685.02           4,503.94         45,035.96         1,301,375.94         1,301,375.94           1,500.00         1,500.00         39,515.48         1,500.00         39,515.48           1,500.00         1,500.00         39,515.48         3,500.00         39,515.48         1,500.00           24,381.78         1,500.00         1,500.00         1,500.00         1,500.00         1,500.00           24,381.59         1,500.00         1,500.00         1,500.00         1,500.00         1,500.00           24,381.78         1,500.00         1,44.18         1,500.00         1,500.00         1,500.00           24,381.60         1,500.00         1,500.00         1,500.00         1,500.00         1,500.00           24,381.60         1,500.00         1,500.00         1,500.00         1,500.00         1,500.00           24,381.60         2,500.00 </td <td>L. Scull Fund</td> <td>11,364,35</td> <td></td> <td></td> <td>11,364.35</td> <td></td> <td>719.75</td> <td>719.75</td> <td></td> <td></td> <td></td>  | L. Scull Fund                         | 11,364,35       |          |           | 11,364.35       |        | 719.75       | 719.75          |             |        |         |
| 1,00,781,94   1,0,781,94   662,87   662,87     275,899,76   1,1,17,10   1,1,43,67   1,1,43,61   1,1,    | Morris Memorial Fund                  | 5,144.24        |          |           | 5,144.24        |        | 325.80       | 325.80          |             |        |         |
| 1,301,375,34         1,301,375,34         1,417,181         275,899.76         1,417,181         1,71,171,181         275,899.76         1,417,181  | Franklin Whitall Fund.                | 10,781.94       |          |           | 10,781.94       |        | 682.87       | 682.87          | -           |        |         |
| 11,117.10         275,889.76         17,473.81         17,473.81           21,433.67         42,384.72         21,483.67         1,361.28         1,361.28           21,433.67         42,384.72         2,685.02         2,685.02         2,685.02         2,685.02           5,886.01         40.0         41,60.24         3,60.24         3,60.28         1,361.28         1,361.28           45,035.96         1,500.0         1,500.0         2,682.31         2,823.31         2,823.31         2,823.31           1,500.0         1,500.0         2,685.0         2,823.31         2,823.32         3,823.32         3,803.32         3,803.32         3,803.32         3,803.32         3,803.32         3,803.32         3,803.32         3,803.32         3,803.32         3,80  | Jones Endowment Fund                  | 1,301,375,34    |          |           | 1,301,375.34    |        | 82,421.19    | 77,572.52       | 4,848.67    |        |         |
| 21,493.67         1,714.00           21,493.67         1,714.00           42,394.72         2,685.02         2,685.02           42,394.72         2,685.02         2,685.02           9,160.24         2,000.00         2,685.02         2,685.02           9,160.24         3,160.24         2,685.02         2,685.02           1,500.00         1,500.00         36,50         36,50           1,500.00         1,500.00         36,50         36,50           1,4560.31         1,4456.31         1,695.52         1,695.52           1,4560.31         1,4456.31         1,695.52         1,695.52           1,4456.31         2,515.48         1,165.68         1,695.52           1,4456.31         2,677.10         2,512.67         1,695.52           1,26,70         2,610.74         1,695.52         1,695.52           1,26,71         2,610.74         1,695.52         1,695.52           1,26,71         2,512.81         1,522.81         1,541.81           1,26,71         2,512.81         1,541.81         1,541.81           1,26,71         2,512.81         1,542.81         1,541.81           1,26,71         2,512.81         1,542.81         1,542.81   | rnum Brown Fund                       | 275,899.76      |          |           | 275,899.76      |        | 17,473.81    | 17,473.81       |             |        |         |
| 21,493 67         21,493 67         1,361,28         1,361,28           4,294,72         4,294,72         2,685,02         2,685,02         2,685,02         2,685,02         2,685,02         2,685,02         2,685,02         2,685,02         2,685,02         2,685,02         2,685,02         2,685,02         2,685,02         2,685,02         2,685,02         2,685,02         2,685,02         2,685,02         2,601,5         2,601,5         2,601,5         2,601,5         2,601,5         2,601,5         2,601,5         2,602,67         1,500,00         3,602,67         2,602,6   |                                       | 11,117.10       |          | 11.117.10 | -0-             |        | 704.09       | 704.09          |             |        |         |
| 42,394,72         5,886.01         42,394,72         2,665.02         2,665.02         2,665.02         2,665.02         2,665.02         2,665.02         2,665.02         2,665.02         2,665.02         2,665.02         2,665.02         2,665.02         2,665.02         2,665.02         2,665.02         2,665.02         2,665.02         2,601.5         2,665.02         2,665.02         2,601.5         2,665.02         2,601.5         2,665.02         2,601.5         2,665.02         2,601.5         2,665.02         2,601.5         2,601.5         2,665.02         2,601.5         2,601.5         2,665.02         2,601.5   |                                       | 21 493 67       |          |           | 21 493 67       |        | 1 361 28     | 1 361 28        |             |        |         |
| 45,039-172         45,039-172         45,039-172         45,039-172         45,030-15         45,030-15         45,030-15         46,035-15   |                                       | 40,004,00       |          |           | 49 904 79       |        | 0 605.00     | 9 605 09        |             |        |         |
| \$\(\text{9.08}\),\(\text{0.01}\),\(\text{9.08}\),\(\text{0.01}\),\(\text{9.08}\),\(\text{0.01}\),\(\text{9.08}\),\(\text{0.01}\),\(\text{9.08}\),\(\text{0.01}\),\(\text{9.08}\),\(\text{9.01} | E. Gillingham Fund                    | 12,394.12       |          | 1000      | 46,004.10       |        | 20.000,2     | 20.000,7        |             |        |         |
| 4,160.24         45,035.96         46,035.96         285.31         560.01           3,515.46         1,500.00         1,500.00         85.00         86.00           3,515.46         1,500.00         1,500.00         85.00         86.00           3,515.46         1,500.00         1,500.00         86.00         86.00           26,771.00         1,500.00         1,500.00         1,500.00         86.00         86.00           24,381.59         24,381.59         1,541.18         1,541.18         1,541.18         1,542.81         1,542.81         1,542.81         1,542.81         1,542.81         1,542.81         1,544.18         1   | Norris Fund                           | 2,886.01        |          | 10.088,0  | -0-             |        | 512.13       | 312.19          |             |        |         |
| 45,035,96         45,035,96         2,823,31         2,823,31           1,500,00         1,500,00         2,512,67         2,512,67           26,717,00         26,771,00         1,695,52         1,695,52           26,771,00         26,771,00         1,695,52         1,695,52           126,783,159         126,569,51         1,541,18         1,541,18           127,883,159         126,569,51         7,92,81         1,541,18           126,774,33         126,076,83         1,544,18         1,544,18           102,074,43         126,076,83         1,644,33         1,944,34           102,074,43         102,007,43         1,544,18         1,544,18           10,000,00         25,128,94         1,576,68         1,944,34           11,7520,19         49,987,50         5,128,94         1,576,68           11,7520,19         12,590,64         104,000,00         31,65,91         3,165,91           11,7520,19         12,590,64         104,000,00         31,500         31,500           11,7520,19         12,500,00         1,52,110         1,443,00         1,443,00           11,532,110         12,500,00         1,52,110         1,53,140         1,53,34         1,53,34           100,00   |                                       | 9,160.24        |          |           | 9,160.24        |        | 580.15       | 580.15          |             |        |         |
| 1,500 00  | R. Magee Fund                         | 45.035.96       |          |           | 45,035,96       |        | 2,852,31     | 2,852,31        |             |        |         |
| 1,4560,31   | K Smiley Fund                         | 1,500,00        |          |           | 1,500,00        |        | 95 00        | 95 00           |             |        |         |
| 174,560,31         174,560,31         1765,38         17,055,38 <t< td=""><td>And Anthony and March 19</td><td>20 11 10 20</td><td></td><td></td><td>200 515 40</td><td></td><td>9 509 67</td><td>9 509 67</td><td></td><td></td><td></td></t<>   | And Anthony and March 19              | 20 11 10 20     |          |           | 200 515 40      |        | 9 509 67     | 9 509 67        |             |        |         |
| 26,731.0         1,14,560.31         1,105.36  |                                       | 08,010,40       |          |           | 03,010,30       |        | 2,302.01     | 2,006.01        |             |        |         |
| 26,771,00         26,771,00         1,695,52         1,695,52         1,695,52         1,641,18         1,641,18         1,641,18         1,641,18         1,641,18         1,641,18         1,641,18         1,641,18         1,641,18         1,641,18         1,641,18         1,641,18         1,641,18         1,652,28         1,641,18         1,652,28         1,641,18         1,652,28         1,641,18         1,662,94         1,641,18         1,644,18         1,644,18         1,644,18         1,644,18         1,644,18         1,644,18         1,644,18         1,644,18         1,644,18         1,644,18         1,644,18         1,644,18         1,644,18         1,644,18         1,644,18         1,644,18         1,644,18         1,644,13         1,644,13         1,644,13         1,644,13         1,644,13         1,644,13         1,644,13         1,644,14   |                                       | 174,560.31      |          |           | 174,560.31      |        | 11,055.58    | 11,055.58       |             |        |         |
| 24,381.59         1,544.18         1,544.18         1,544.18         1,544.18         1,544.18         1,544.18         1,544.18         1,544.18         1,544.18         1,544.18         1,544.18         1,544.18         1,544.18         1,545.28         1,545.28         1,545.28         1,545.28         1,545.28         1,545.28         1,545.28         1,546.34         1,544.43         1,544.33         1,544.33         1,544.33         1,544.33         1,544.33         1,544.33         1,544.33         1,544.33         1,544.33         1,544.33         1,544.33         1,544.33         1,544.33         1,544.33         1,544.33         1,544.33         1,544.33         1,544.33         1,544.33         1,545.91         1,575.88         1,575.88         1,575.88         1,575.88         1,575.88         1,575.88         1,575.88         1,575.88         1,575.88         1,575.88         1,575.88         1,557.99         1,565.91         3,155.91         3,155.91         3,155.91         3,155.91         3,155.91         3,155.91         3,155.91         3,155.91         3,155.91         3,155.91         3,155.91         3,155.91         3,155.91         3,155.91         3,155.91         3,155.91         3,155.91         3,155.91         3,156.91         3,156.91         3,156.91         3,156.91  | arrett Memorial Fund                  | 26.771.00       |          |           | 26,771,00       |        | 1,695.52     | 1,695.52        |             |        |         |
| 125,569.51         125,569.51         7,952.81         7,952.81         7,952.81         7,952.81         7,952.81         7,952.81         7,952.81         7,952.81         7,952.81         7,952.81         7,952.81         7,952.81         7,952.81         7,952.81         7,964.92         13,852.92         13,850.06         13,852.92 </td <td>Chaco Scattergood More Eund</td> <td>94 381 59</td> <td></td> <td></td> <td>24 381 59</td> <td></td> <td>1 544 18</td> <td>1 544 18</td> <td></td> <td></td> <td></td>  | Chaco Scattergood More Eund           | 94 381 59       |          |           | 24 381 59       |        | 1 544 18     | 1 544 18        |             |        |         |
| 218,728.31         218,728.31         11,525.22   | Clase Scatter good Medi. Full         | 195 500 51      |          |           | 195 520 51      |        | 7 059 01     | 7 059 21        |             |        |         |
| 126,076,83  | B. Gummere Memorial Fund              | 10.690,071      |          |           | 10,600,071      |        | 10.206,      | 10.206,1        |             |        |         |
| 102,076,83         126,076,83         1,964,94         47,964,94           102,067,43         102,067,43         6,464,33         6,464,33         14,125,79         14,125,79         16,464,33         16,591,443         16,591,443         16,591,443         16,591,443         16,591,443         16,591,443         16,443,00         16,443,00         16,443,00         16,443,00         17,711,90 <td< td=""><td>harpless Memorial Fund</td><td>218,728.43</td><td></td><td></td><td>218,728.43</td><td></td><td>13,852.92</td><td>13,852.92</td><td></td><td></td><td></td></td<>   | harpless Memorial Fund                | 218,728.43      |          |           | 218,728.43      |        | 13,852.92    | 13,852.92       |             |        |         |
| 102,067,43 104,125,74 6,464,33 6,464,33 6,464,33 104,125,74 102,067,43 104,125,74 104,125,74 104,125,74 104,125,74 104,125,74 104,125,74 104,125,74 104,125,131,141,125,131,141,125,131,141,125,131,141,125,131,141,125,131,141,125,131,141,125,131,141,141,125,131,141,141,141,141,141,141,141,141,141   | Leducation Fund                       | 126,076.83      |          |           | 126,076.83      |        | 7,984.94     | 7,984.94        |             |        |         |
| 14,125,79         194,65         984,65         844,64         845,66         844,66         844,66         844,66         844,66         844,64         844,76         844,64         844,76         844,76         844,76         831,402,86         826,76         844,76         831,402,86         826,76         826,76         826,76         831,402,86         826,76         831,402,86         826,76         831,402,86         826,76         831,402,86         826,70         831,402,86         8284,704,19         831,402,86         8284,704,19 <td>Penn Foundation</td> <td>102.067.43</td> <td></td> <td></td> <td>102,067.43</td> <td></td> <td>6,464.33</td> <td>6,464.33</td> <td></td> <td></td> <td></td>  | Penn Foundation                       | 102.067.43      |          |           | 102,067.43      |        | 6,464.33     | 6,464.33        |             |        |         |
| 24,828.94 300.00 25,128.94 1,575.68 1,575.68 1,575.68 1,575.68 1,575.68 1,575.68 1,575.68 1,575.68 1,575.68 1,575.68 1,575.68 1,575.68 1,575.68 1,575.68 1,575.68 1,575.68 1,575.68 1,575.68 1,575.00 1,520.19 1,532.10 1,5  | Carroll Brinton Memorial Fund         | 14 125 79       |          |           | 14 125 79       |        | 894.65       | 894.65          |             |        |         |
| 10,000,000  | data The British Memorial Land.       | 04 000 04       | 00 006   |           | 95 190 04       |        | 1 575 60     | 1 575 69        |             |        |         |
| 10,000.00   10,000.00   633.34   633.    | trion Fund                            | 24,828.34       | 300.00   |           | \$6.021,C2      |        | 1,313.60     | 1,010.00        |             |        |         |
| 5.527.31         5.527.31         5.50.06         350.06           117,520.13         49.987.50         -0-         3.165.91         3.165.91         7,443.01           5,000.00         4,950.00         31.65.91         7,443.01         7,443.01         7,443.01           7,000.00         4,950.00         313.50         313.50         313.50           7,000.00         7,000.00         17,731.90         17,731.90         17,731.90           7,000.00         2,500.00         1,532.110.39         1,532.110.39         7,500.00         7,60.00           103,993.26         44.18.75         -4,418.75         -2,500.00         6,566.30         6,566.30         6,566.30           5,000.00         2,500.00         316.67         316.67         316.67           5,000.00         3,932.26         4,418.75         -279.86         279.86           5,000.00         2,500.00         36,000.00         36,000.00         316.67         316.33           5,500.00         2,500.00         84,833.592.17         \$311,402.86         \$234,704.19         \$311,402.86         \$234,704.19         \$311,402.86         \$311,402.80         \$311,402.80         \$311,402.19         \$311,402.10         \$311,402.10         \$311,402.10         \$311,402.  | th J. Shortridge Fund                 | 10,000.00       |          |           | 10,000.00       |        | 633,34       | 633,34          |             |        |         |
| 45.987.50   | Comfort Memorial Fund                 | 5,527.31        |          |           | 5,527.31        |        | 320.08       | 320.06          |             |        |         |
| 117,520.19   12,590.64   104,939.55   7,443.01   7,443.01   7,443.01   7,443.01   7,443.01   7,443.01   7,443.01   7,443.01   7,443.01   7,443.01   7,443.01   7,443.01   7,000.00   7,00    | Ridgway Comly Fund                    | 49,987.50       |          | 49,987.50 | -0-             |        | 3,165.91     | 3,165.91        |             |        |         |
| \$\begin{array}{cccccccccccccccccccccccccccccccccccc  | / Longstreth Fund.                    | 117.520.19      |          | 12,590.64 | 104.929.55      |        | 7,443.01     | 7,443.01        |             |        |         |
| 4,950.00         4,950.00         313.50         313.50           280,784.31         280,784.31         17,781.90         17,781.90           7,000.00         7,000.00         443.34         443.34           1,532,110.39         1,532,110.39         97,044.35         750.00           103,993.26         4,418.75         6,566.30         6,566.30           4,418.75         4,418.75         6,500.00         316.67           2,500.00         2,500.00         346.67         316.67           8,4914,392.17         \$3,300.00         \$4,833.592.17         \$311,402.86         \$234,704.19  | L. Baily Fund                         | 5,000.00        |          |           | 5,000.00        |        | 316.67       | 316.67          |             |        |         |
| 280,764,31         280,764,31         17,781,90         18,731,70         18,731,70         18,781,70         18,781,70         18,781,70         18,781,70         18,781,70         18,781,70         18,781,70         18,781,70         18,781,70         18,781,70         18,781,70         18,781,70         18,781,70         18,781,70         18,781,70         18,781,70         18,781,70   |                                       | 4 950 00        |          |           | 4 950 00        |        | 212 50       | 313 50          |             |        |         |
| 2500.00         7,000.00         7,000.00         443.34         443.34         443.34         443.34         443.34         443.34         443.34         443.34         443.34         483.34         188.33         188.33         188.33         188.33         188.33         188.33         138.33           ****         ***         ***         ***         **** </td <td>ui D. Wistai Wainel Fulld</td> <td>200.000</td> <td></td> <td></td> <td>200000</td> <td></td> <td>17 781 90</td> <td>17 781 90</td> <td></td> <td></td> <td></td>  | ui D. Wistai Wainel Fulld             | 200.000         |          |           | 200000          |        | 17 781 90    | 17 781 90       |             |        |         |
| 7,000,000 1,000,000 1,000,000 1,000,000 1,000,000   | n nines bednest.                      | 200, 104.31     |          |           | 200,104.31      |        | 06.101.11    | 11,101.00       |             |        |         |
| 2,500,00 1,532,110,39 1,532,110,39 1,032,110,39 1,034,55 15,144,55 12,000,00 156,39 1,58,34 188,34 188,34 188,34 188,34 188,34 188,34 188,34 188,34 188,34 188,34 188,34 188,34 188,34 188,34 188,35 188,37 188,33 188,37 188,33 188,37 188,33 188,37 188,33 188,37 188,33 188,37 188,33 188,37 188,33 188,37 188,33 188,37 188,33 188,37 188,33 188,37 188,33 188,37 188,33 188,37 188,33 188,37 1  | d L. Greif, Jr. & Roger L. Greif Fund | 7,000.00        |          |           | 7,000.00        |        | 443.34       | 443.34          |             |        |         |
| 1,522,110.39 1,522,110.39 97,034,55 75,146,55 15,104,55 15,104,55 15,104,55 15,104,55 15,104,55 15,104,55 15,104,55 15,104,55 15,104,55 15,104,55 15,104,55 15,104,65 15,104,65 15,104,65 15,104,65 15,104,65 15,104,65 15,104,65 15,104,65 15,104,65 15,104,55 15,104,65   | M. Wistar Fund                        | 2,500.00        |          |           | 2,500.00        |        | 158.34       | 158.34          | -           |        |         |
| 12,000.00<br>103,993.26<br>103,993.26<br>4,418.75<br>5,000.00<br>2,500.00<br>2,500.00<br>8,4,914,292.17<br>8,4,914,292.17<br>8,4,900.00 \$84,000.00 \$4,833,592.17  | E. Leeds Fund.                        | 1.532,110.39    |          |           | 1.532,110.39    |        | 97,034.55    | 75,184,55       | 21,850.004  |        |         |
| 103,993.26 103,993.26 4,418.75 -0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0   | v Scattergood Fund                    | 12 000 00       |          |           | 12 000 00       |        | 760.00       | 760.00          |             |        |         |
| 4,418.75 4,418.75 -0.0<br>5,000.00 5,000.00 5,500.00 5,400.00 8,4,833,592.17  |                                       | 102 002 36      |          |           | 103 003 96      |        | 6 586 30     | R 586 30        |             |        |         |
| \$4,418.73  | D. Williams Fulld.                    | 100,000,001     |          | 440 97    | 100,000,001     |        | 00.000,0     | 0,000.00        |             |        |         |
| 5,000.00<br>2,500.00<br>\$4,514,292.17 \$3,300.00 \$84,000.00 \$4,833,592.17  | e W. Bankard Fund                     | 4,418.75        |          | 4,418.75  | -0-             |        | 279.86       | 26.877          |             |        |         |
| 2,500.00<br>2,500.00<br>3,4,914,282.17<br>3,300.00<br>84,000,00<br>84,833,592.17  | C. Fry Fund                           | 5,000.00        |          |           | 5,000.00        |        | 316.67       | 316.67          |             |        |         |
| \$ 4,914,292.17 \$3,300.00 \$84,000.00 \$4,833,592.17   | B. Boyer Fund                         | 2,500.00        |          |           | 2,500.00        |        | 158.33       | 158.33          |             |        |         |
| \$ 4,914,292.17 \$3,300.00 \$84,000.00 \$4,833,592.17   |                                       |                 |          |           |                 |        |              |                 |             |        |         |
|   | Forward                               | \$ 4.914,292.17 |          |           | \$ 4.833,592.17 |        | \$311,402.86 | \$284,704.19 \$ | 8 26,698.67 |        |         |

# REPORT ON CONSOLIDATED FUNDS

| Credit    | Balance    | 8/31/56  |  |                  |                           |                      |                        |                                   |                     | 6,344.66                 |                                    | 6,344.66                                |   |                            |                          |                          |                       | 83,25                  | 97.10               | 320.03<br>- 119 94db       | 113.22                           | 126.40                           | 1,390.64                        |                                       | 110.06                           | 81.64                                 | 214.19                                 | 382.60  | 79.44                             | 48.01                           | \$3,006.52   |
|-----------|------------|----------|--|------------------|---------------------------|----------------------|------------------------|-----------------------------------|---------------------|--------------------------|------------------------------------|---|---|----------------------------|--------------------------|--------------------------|-----------------------|------------------------|---------------------|----------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------------|----------------------------------|---------------------------------------|--|---|-----------------------------------|---------------------------------|--------------|
|           |            | Totals   |  |                  |                           |                      |                        |                                   |                     |                          | 4,170.99 3                         |   |   |                            |                          |                          |                       |                        |                     |                            |                                  |                                  |                                 | 01                                    |                                  |                                       |  |   | _                                 |                                 |              |
|           |            | Special  | \$ 26,698.67   | 6                | 1,159.94 2                |                      | 100 001                | 20.000                            | 269.103             | 704.96 2                 |                                    | 31,638.76                               | 1,900.00 1 2,390.08 2                                       | 4,230.08                   |                          |                          |                       | 380.80                 | 497.85              | 1,800.00                   | 500.00                           | 592.95                           | 2,600.00                        | 156.08                                | 487.34                           | 346.74                                | 809.17                                 | 1 500 00                                      | 338.87                            | 226.39                          | \$11,622.24  |
| Income    |            | Expended | \$284,704.19<br>2,216.69<br>633.34   | 63.33            | 10,439.49                 | 2,291.30             | 1,587.66               | 316.67                            | 15.90               |                          | 1,794.46                           | 327,675.80                              | 19,610.78   | 19,610.78                  | 320.44                   | 931.83                   | 118.99                |                        |                     |                            |                                  |                                  |                                 |                                       |                                  |                                       |  |   |                                   |                                 |              |
|           | Net        | Income   | \$311,402.86<br>2,216.69<br>633.34   | 63.33            | 23.060.85                 | 2,291.30             | 1,587.66               | 316.67                            | 285.00              | (1,252.83)<br>(5,796.79) | 1,794.46                           | 365,659.22                              | 23,900.86   | 23,900.86                  | 320.44                   | 931.83                   | 118.99                | 333 00                 | 384.39              | 1,255.11                   | 444.20                           | 501.59                           | 1,446.92                        | 80.909                                | 440.24                           | 326.54                                | 721.83                                 | 319.55  | 317 76                            | 190.01                          | \$9,016.63   |
|           | Balance    | 9/1/55   |  |                  |                           |                      |                        |                                   |                     |                          |                                    |   |   |                            |                          |                          |                       | 131 05                 | 210.56              | 864.92                     | 169.02                           | 217.76                           | 2,543.72                        |                                       | 157.16                           | 101.84                                | 301.53                                 | 108.96  | 100 55                            | 84.39                           | \$ 5,612.13  |
|           | Book Value | 8/31/56  | \$4,833,592.17<br>-0-<br>10.000.00   | -0-              | 366,421,52                | 36,178.02            | 25,068.15              | 5,000.00                          | 4,500.00            | 122,741.50               | 170,000.00                         | 5,889,995.63                            | 379,768.66  |                            | 5,059.50                 | 14,712.94                | 1,878.82              | F 957 R9               | 6,069.23            | 19,817.40                  | 7,013.61                         | 7,919.76                         | 22,845.86                       | 9,725.64                              | 6,951.21                         | 5,155.85                              | 11,549.19                              | 2,045.60                                      | 5 017 31                          | 3,000.00                        | \$142,674.73 |
| Principal |            | Decrease | \$84,000.00<br>35,000.00   | 1,000.00         |                           |                      |                        |                                   |                     |                          |                                    | 120,000.00                              |   |                            |                          |                          |                       |                        |                     |                            |                                  |                                  |                                 |                                       |                                  |                                       |  |   |                                   |                                 |              |
| д         |            | Increase | \$3,300.00   | 1                | 1,159.94                  | 115.90               |                        |                                   |                     | 122,741.50               | 170,000.00                         | 394,623.43                              | 2,390.08  |                            |                          |                          |                       |                        |                     |                            |                                  |                                  |                                 | 156.08                                |                                  |                                       | 365.00                                 |   |                                   |                                 | \$ 521.08    |
|           | Book Value | 9/1/55   | \$4,914,292.17<br>35,000.00<br>10,000.00   | 1,000.00         | 364.115.43                | 36,062.12            | 25,068.15              | 5.000.00                          | 4,500.00            | -0-                      | 00                                 | 5,615,372.20                            | 377,378,58  |                            | 5,059.50                 | 14,712.94                | 1,878.82              | 7 957 89               | 6,069.23            | 19,817.40                  | 7,013,61                         | 7,919.76                         | 22,845.86                       | 9,569,56                              | 6,951.21                         | 5,155.85                              | 11,184.19                              | 5,045.60                                      | 5 017 31                          | 3,000.00                        | \$142,153.65 |
|           |            |          | Funds for General Purposes (Cont'd) Marry K. Comly Fund. Marriott C. Morris Fund | Mary Brown Fund. | 1949 Campaign Salary Fund | William B. Bell Fund | Dr. Thomas Wistar Fund | Isaac & Lydia Cope Sharpless Fund | Class of 1937 Fund, | J. Horace Cook Fund      | The Fond Foundation Endowment Fund | THE FOLD FORMATION ACCOMPLISHMENT FUNDS | Funds for Wistar Brown Graduate School<br>Moses Brown Fund. | Finds for Morris Infirmary | Infirmary Endowment Fund | Find for Haverford Union | Haverford Union Fund. | Funds for Scholarships | Edward Yarnall Fund | Isaiah V. Williamson Fund. | Mary M. Johnson Scholarship Fund | Sarah Marshall Scholarship Fund. | Clementine Cope Fellowship Fund | Isaac Thorne Johnson Scholarship Fund | Caspar Wistar Memorial Sch. Fund | J. Kennedy Moorhouse Scholarship Fund | Louis Jaquette Palmer Scholarship Fund | Pohont Montin Zindont Montil Scholarship Fund | Samuel F. Hilles Scholarship Fund | Class of 1913 Scholarship Fund. | Forward      |

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| Credit    |            | Totals 8/31/56 | \$3,006.52                      | 173.05                         | 93.92                |   |                                       | 1 269 98                                  | 1 79 17                                  | 305 85                                 | 1                                      |  | 7                                   | 37.51                                      |                                | 42.75    |        | 453.39                         | 1                             | 409.79                           | 4 10                            |                                    |                                 | 31,160.84 527.79              | 921.84 2 36.94                             | 7,986.83   |                       | 23                  | 1 4                            |            | 5 122.32                | 1,681.64                                |                   |                            |   | 107 36                     | 2                           | 270 02 2         | 5                                      | 2                        | 5 10.935.39 5              |                             |                              |                          |           |                             |                                 |                            |                                |
|-----------|------------|----------------|---------------------------------|--------------------------------|----------------------|---|---------------------------------------|---|--|--|--|--|-------------------------------------|--|--------------------------------|----------|--------|--------------------------------|-------------------------------|----------------------------------|---------------------------------|------------------------------------|---------------------------------|-------------------------------|--|------------|-----------------------|---------------------|--------------------------------|------------|-------------------------|---|-------------------|----------------------------|---|----------------------------|-----------------------------|------------------|--|--------------------------|----------------------------|-----------------------------|------------------------------|--------------------------|-----------|-----------------------------|---------------------------------|----------------------------|--------------------------------|
|           |            |                | \$ 11,622.24                    | 634.26                         | 324.41               | 5.109.96                                | 3 083 81                              | 1 149 26                                  | 270 14                                   | D22 RA                                 | 900004                                 | 4c.co2                                       | 00.009                              | 1,236.60                                   | 183.61                         | 2,938.15 | 302.24 | 300.00                         | 463.52                        | 1,578.85                         | 381.31                          | 345.53                             | 418.61                          |                               |  | 32,082.68  |                       |                     | 44.24                          | # 862.78 5 | 366.55                  |   | 2,4               | 41.70                      | 57.17                                   | 90.072                     | 37 00                       | 00.10            | 35 43                                  | 225.78                   | 3.792.45                   | r                           |                              | 1                        | 7         |                             | dr. c                           | ×                          | 0                              |
| Income    |            | Expended       |                                 |                                |                      |   |                                       |   |  |  |  |  |                                     |  |                                |          |        |                                |                               |                                  |                                 |                                    |                                 |                               |  |            | 1                     | 1,104.23            |                                |            |                         |   | 8,494.96          |                            |   |                            |                             |                  |  |                          |                            | 9,599.19                    |                              | 2,611.71                 | 2,328.07  | 4,313.91                    | 207.24                          |                            |                                |
|           | Net        | Income         | \$9,016.63                      | 614.59                         | 316.67               | 4,783,90                                | 2.575.81                              | 1 070 85                                  | 236 67                                   | -                                      |  | 180.00                                       | 633.34                              | 950.01                                     | 171.00                         |          |        | 3,022.43                       | 763.52                        | 1,460.44                         | 395,53                          | 316.67                             | 380.00                          | 527.79                        | 36.94                                      | 29,135.14  |                       | 1,104.23            | 4,310.80                       |            | 316.67                  | 1,286.11                                | 10,961.71         | 40.25                      | 63.48                                   | 414.84                     | 38.00                       | 95.00            | 316.67                                 | 0.040                    | 2,257,78                   | 21,284.93                   |                              | 2,611.71                 | 2,328.07  | 4,313.91                    | 207.24                          | AD ADIO                    | 6,000.00                       |
|           | Balance    | 9/1/22         | \$5,612.13                      | 192.72                         | 101.66               | 1,522.07                                | 1 170 75                              | 339 30                                    | 140.64                                   | 25.002                                 | -333,00                                | 63.04  | 207.87                              | 324.10                                     | 55.36                          |          |        | 671.35                         |                               | 528.20                           | 84.67                           | 107.95                             | 173.33                          |                               |  | 10,934.37  |                       |                     |                                |            | 172.20                  | 395.53                                  |                   | 12.36                      | 20.69                                   | 128.60                     | R 9 05                      | 407 01           | 1 554 02                               | 4,004                    | 3.620.45                   | 6,400.78                    |                              |                          |           |                             |                                 |                            |                                |
|           | Book Value | 8/31/26        | \$ 142,674.73                   | 10,221.08                      | 5,000.00             | 75,534.58                               | 40.275 01                             | 17 050 00                                 | 5,000,00                                 | 00.000,50                              | 3,000,00                               | 3,000.00                                     | 10,000.00                           | 15,000.00                                  | 2,700.00                       |          |        | 48,024.43                      | 12,519.04                     | 25,000.00                        | 6,245.11                        | 5,000.00                           | 6,000.00                        | 10,000.00                     | 1,000.00                                   | 465,243.98 |                       | 17,435.06           | 68,108.90                      |            | 5.000.00                | 20,306.74                               | 173,078.14        | 635.47                     | 1,002.34                                | 6,550.00                   | 800 00                      | 1 500 00         | 5,000,00                               | 2,000.00                 | 35.874.62                  | 336,344.79                  |                              | 41,237.08                | 36,758.66 | 68,113.78                   | 3,272.24                        | 0000000                    | 112.040.13                     |
| Principal |            | Decrease       |                                 |                                |                      |   |                                       |   |  |  |  |  |                                     |  |                                |          |        |                                |                               |                                  |                                 |                                    |                                 |                               |  |            |                       |                     |                                |            |                         |   |                   |                            |   |                            |                             |                  |  |                          |                            |                             |                              |                          |           |                             |                                 |                            |                                |
| F         | -          | Increase       | \$ 521.08                       | 865.00                         |                      |   |                                       |   |  |  |  |  |                                     |  |                                |          |        | 302.24                         | 463.52                        | 2,587.50                         |                                 |                                    |                                 | 10,000.00                     | 1,000,00                                   | 15,739.34  |                       |                     | 44.24                          |            |                         |   |                   |                            |   |                            |                             |                  |  |                          | 225 78                     | 270.02                      |                              |                          |           |                             |                                 |                            |                                |
|           | Book Value | 9/1/22         | \$142,153.65                    | 9,356.08                       | 5,000.00             | 75,534.58                               | 40.275.01                             | 17 050 00                                 | 5,000,00                                 | 35,000,00                              | 2,000.00                               | 3,000.00                                     | 10,000.00                           | 15,000.00                                  | 2,700.00                       |          |        | 47,722.19                      | 12,055.52                     | 22,412.50                        | 6,245.11                        | 5,000.00                           | 6,000.00                        | -0-                           | -0-  | 449,504.64 |                       | 17,435.06           | 68,064.66                      |            | 5.000.00                | 20,306.74                               | 173,078.14        | 635.47                     | 1,002.34                                | 6,550.00                   | 20.502,1                    | 1 500 00         | 5,000,00                               | 3,000.00                 | 35 648 84                  | 336,074.77                  |                              | 41,237.08                | 36,758.66 | 68,113.78                   | 3,272.24                        | 440 040 40                 | 112.040.73                     |
|           |            |                | Funds for Scholarships (cont'd) | Class of 1917 Scholarship Fund | Daniel B. Smith Fund | Sarah Tatum Hilles Mem'l Scholarship Fd | Elihu Grant Memorial Scholarship Fund | Christian Fettiger Mem'l Scholarshin Fund | Toeath I. Markley Mam'l Scholarchin Fund | Joseph C 9. Anno N Birdeall Schol Fund | Doniel E Donie Ir Mom'l Scholouskin Ed | Daniel E. Davis, Jr. Intem i Scholar Ship Fu | Jonathan M. Steere Scholarship Fund | William Grahman Tyler Mem'l Scholarship Fd | 1890 Memorial Scholarship Fund |          |        | 1949 Campaign Scholarship Fund | Max Leuchter Scholarship Fund | A. Clement Wild Scholarship Fund | Caroline Chase Scholarship Fund | Roy Thurlby Griffith Memorial Fund | Class of 1904 Scholarship Fund. | Inazo Nitobe Scholarship Fund | The Summerfield Foundation Scholarship Fd. |            | Funds for the Library | Alumni Library Fund | Mary Farnum Brown Library Fund |            | Wm H Jenks Library Fund | Mary Wistar Brown Williams Library Fund | Anna Yarnall Fund | F. B. Gummere Library Fund | Edmund Morris Fergusson, Jr. Mem'l Fund | Class of 1888 Library Fund | Class of 1918 Library Fund. | Quakerlang Fund. | Mononk Fund for Runds Jones Coll. Myst | Rulus M. Jones Dook Fund | 1949 Campaign Library Fund | 1010 Campaign Library Lund. | Funds for Old Style Pensions | President Sharpless Fund |           | Jacob P. Jones Benefit Fund | Pliny Earle Chase Memorial Fund | Warner College Description | Mayerford College Pension Fund |

## REPORT ON CONSOLIDATED FUNDS

| Balance<br>8/31/56    |   | 79.32                    | 1,697.99                           | 733.97                 | 467.53                             | 1,325.92                 | ;                                   | 74.29               | 816.10   |                          | 616.81                        | 33.62             | ,                               | 325.99         | 904.06                         | 1 200                 | 815.17                                   | ,   |          | 246 81                            | 666.87               |                                | 2 - 9.83 db        | 5 172.50                          | 170.42                         | 9 1.944.87                        |           | 11<br>12 284.56              | 11,                         |  |
|-----------------------|---|--------------------------|------------------------------------|------------------------|------------------------------------|--------------------------|-------------------------------------|---------------------|----------|--------------------------|-------------------------------|-------------------|---------------------------------|----------------|--------------------------------|-----------------------|--|---|----------|-----------------------------------|----------------------|--------------------------------|--------------------|-----------------------------------|--------------------------------|-----------------------------------|-----------|------------------------------|-----------------------------|--|
| Totals                |   |                          |                                    |                        |                                    |                          |                                     |                     |          |                          |                               |                   |                                 |                |                                |                       |  |   |          |                                   |                      |                                |                    | 1,247.90 *                        | 540.007                        | 1,135.768                         | 270.18 10 | 183.7911                     |                             |  |
| Special               | 611.88 4  | 50.22 <sup>5</sup>       | ,                                  | 200.00                 | 95.00 7                            | t                        | 100.00                              | 73.06 5<br>359 20 8 | 171.84 2 | 50.00 7                  | 100.00 7                      | 50.00 7           | ,                               | 776.56 8       | 50.00 7                        | 20.00                 | 241.86 2                                 | 270.18 10                                 | 66.99 2  | 103 79 11                         | 636.02 4             | 10.00 7                        | 450.00 12          |                                   |                                |                                   |           |                              | \$ 640.06 \$ 4,796.45       |  |
| Expended              |   |                          |                                    |                        |                                    |                          |                                     |                     |          |                          |                               |                   | 152.00                          |                |                                | 43.34                 |  |   |          |                                   |                      |                                |                    |                                   |                                | 444.72                            |           |                              | \$ 640.06                   |  |
| Net                   | 332.38  | 71.36                    | 142.36                             | 584.39                 | 145.47                             | 109.38                   | 161.30                              | 324.29              |          | 221.84                   | 136.48                        | 88.53             | 152.00                          | 592.98         | 126.66                         | 63.34                 | 478.17                                   | 352.74                                    | 00       | 157 70                            | 443.34               | 9.02                           | 399.95             | 63.75                             | 50.20                          | 889.43                            |           | 92.31                        | 31.67                       |  |
| Balance<br>9/1/55     | 535.86  | 98.18                    | 1,555.63                           | 349.58                 | 417.06                             | 1,216.54                 | 60.98                               | 851.01              |          |                          | 580.33                        | 77.38             |                                 | 509.57         | 827.40                         | 0                     | 278.86                                   |   |          | 97.9 81                           | 859.55               | 37.60                          | 40.22              | 108.75                            | 120.22                         | 1.500.16                          |           | 192.25                       | \$10,856.86                 |  |
| Book Value<br>8/31/56 | 5,248.00  | 1,126.75                 | 2,247.87                           | 9,227.07               | 2,296.88                           | 1,727.00                 | 2,546.88                            | 5.120.30            |          | 3,674.45                 | 2,155.00                      | 1,397.75          | 2,400.00                        | 9,362.75       | 2,000.00                       | 1,000.00              | 3,839.54                                 | 5,652.06                                  | 1 510 40 | 9 401 50                          | 7,000.00             | 142.90                         | 6,315.00           | 1,006.50                          | 792.55                         | 14.043.62                         |           | 1,457.44                     | \$ 96,291.21                |  |
| Decrease              |   |                          |                                    |                        |                                    |                          |                                     |                     |          |                          |                               |                   |                                 |                |                                |                       |  |   |          |                                   |                      |                                |                    |                                   |                                |                                   |           |                              |                             |  |
| Increase              |   |                          |                                    |                        |                                    |                          |                                     |                     |          | 171.84                   |                               |                   |                                 |                |                                |                       |  | 82.56                                     | 00       | 66.00                             | 500.00               |                                |                    |                                   |                                |                                   |           |                              | \$ 821.39                   |  |
| Book Value<br>9/1/55  | 5,248.00  | 1,126.75                 | 2,247.87                           | 9,227.07               | 2,296.88                           | 1,727.00                 | 2,546.88                            | 5.120.30            |          | 3,502.61                 | 2,155.00                      | 1,397.75          | 2,400.00                        | 9,362.75       | 2,000.00                       | 1,000.00              | 3,839.54                                 | 5,569.50                                  | 400.44   | 1,432.41                          | 6,500.00             | 142.90                         | 6,315.00           | 1,006-50                          | 792.55                         | 14.043.62                         |           | 1,457.44                     | \$ 95,469.82                |  |
|                       | Funds for Special Purposes Thomas Shipley Fund. | Elliston P. Morris Fund. | John B. Garrett Reading Prize Fund | Special Endowment Fund | Scholarship Improvement Prize Fund | Elizabeth P. Smith Fund. | S. P. Lippincott History Prize Fund | Francis Stokes Fund |          | George Peirce Prize Fund | Lyman Beecher Hall Prize Fund | Newton Prize Fund | Edward B. Conklin Athletic Fund | Arboretum Fund | William Ellis Scull Prize Fund | Paul D. I. Maier Fund | Strawbridge Observatory Maintenance Fund | Jacob & Eugenie Bucky Memorial Foundation | F        | Mathematics Department Frize Fund | Tilney Memorial Fund | Class of 1902 Latin Prize Fund | Class of 1898 Gift | Edmund J. Lee Memorial Award Fund | David R. Bowen Premedical Fund | Jonathan & Rachel Cope Evans Fund |           | Edward Hawkins Memorial Fund | William W. Baker Prize Fund |  |

# REPORT ON NON-CONSOLIDATED FUNDS

| me Credit | ed Special Totals 8/31/56    | 1,714,71<br>103.50<br>1,487,92<br>8,753.76   | 28,230.64 13<br>28,230.64 13<br>17,919.05 14<br>22,332.29 |   |  | Note: Key to Figures  1. Scholarships 2. Income to Principal 3. Amuluit 4. Lectures 5. Books 6. Religious Education Committee 7. Prizes 7. Prizes 8. Plants & Labor 9. Equipment & Expenses 10. Work Camp Fees 11. Trips 12. Miscellaneous 14. Library  |
|-----------|------------------------------|--|---|---|--|---|
| Income    | Ex                           | 1,714.71 1,714.71<br>103.50 103.50<br>1,487.92 1,487.9<br>8,753.76 8,753.76<br>96,766.66 | 40,000.00   | 1,195.65<br>57,200.89<br>167,223.09 60,443.22                       |  | um after<br>vas 5,8%<br>var.  |
|           | Balance Net<br>9/1/55 Income | 1,<br>1,<br>1,<br>1,<br>1,<br>1,<br>1,<br>1,<br>1,<br>1,<br>1,<br>1,<br>1,<br>1          | 30,648.24   | 24,425,54 57,<br>55,987,57 167,                                     |  | Book Value   Net  |
|           | Book Value<br>8/31/56        | 33,087.87<br>-0-<br>-0-<br>-0-<br>2,067,929.67   |   | 23,904.78<br>1,078,285.93<br>3,203,208.25                           |  | Book Value 9/1/56 5,889,995.63 379,768.66 14,1712.94 1,878.82 46,281.98 336,344.79 96,291.21 650,967.48 8,966,685.00 3,203,208.25 11,299,884.25 11,299,884.25 in,299,884.25 |
| Principal | Decrease                     | 4,000.00   |   | 4,000.00  |  | Decreased<br>120,000.00<br>120,000.00<br>4,000.00<br>124,000.00<br>1174,000.00  |
| Prin      | Increase                     | 1,230.18   |   | 1,129.44<br>91,874.94<br>135,659.22                                 | sq   | 15,739.34<br>15,739.34<br>15,739.34<br>15,739.34<br>15,739.34<br>15,659.22<br>105,659.74<br>120.18<br>415,769.94<br>415,769.94<br>1,200.17<br>1,200.18  |
|           | Book Value<br>9/1/55         | 31,857.69<br>-0-<br>0-<br>-0-<br>2,030,505.01  |   | 22,775.34<br>986,410.99<br>3,071,549.03                             | OLIDATED FUN                                       | Book Value 91/55 5,615,372.20 377,378.56 377,378.65 1,471.294 1,878.62 449,504.64 336,074.77 261,422.49 95,469.82 397,836,22 77,549,649.48 3,071,549.03   |
|           |                              |  | Special.  | Augustus Taber Murray Res. Scholarship Fd William Maul Measey Trust | SUMMARY OF CONSOLIDATED AND NON-CONSOLIDATED FUNDS | Book Value  |

# CLASSIFICATION OF INVESTMENTS AUGUST 31ST, 1956

|                          | TOTAL        | 436,812  |                            | 101,736                |              | 4,726,942   | 875        |               |                      | 5,289,087                   |
|--------------------------|--------------|--|----------------------------|------------------------|--------------|---|------------|---------------|----------------------|-----------------------------|
| NON-CONSOLIDATED ACCOUNT | MARKET VALUE | 165,350  | 81,736                     | 20,000                 |              | 65,000<br>3,805,814<br>783,690<br>42,438<br>30,000                    |            |               |                      |                             |
| -CONSOLIDA               | TOTAL        | 387,969.78   |                            | 110,190.47             |              | 2,681,450.75  | 875.00     |               |                      | 22,722.25                   |
| NON                      | BOOK VALUE   | 120,424.25   | 94,722.72                  | 15,467.75              |              | 46,410.34<br>2,116,233.81<br>472,321.29<br>27,265.48<br>19,219.83     |            |               |                      |                             |
|                          | TOTAL        | 1,759,136  |                            | 2,056,635              |              | 7,142,101   | 110,859    |               | 605,612              | 70,319                      |
| ACCOUNT                  | MARKET VALUE | 203,600<br>317,762<br>239,750<br>758,324<br>239,700                | 1,190,833                  | 581,912<br>283,890     |              | 1,316,427<br>3,751,957<br>1,668,495<br>212,022<br>193,200             |            |               |                      |                             |
| CONSOLIDATED ACCOUNT     | TOTAL        | 1,797,842.42   |                            | 1,902,912.26           |              | 3,749,719.19  | 110,859.80 |               | 605,612.24           | - 70,319.91<br>8,096,626.00 |
| Ö                        | BOOK VALUE   | 222,689.06<br>316,167.68<br>245,188.81<br>770,890.61<br>242,906.26 | 1,056,412.93               | 622,183.62             |              | 738,526.96<br>1,570,788.80<br>1,193,234.86<br>195,788.57<br>51,380.00 |            |               | 580,636.97 24,975.27 |                             |
|                          | BONDS        | Government, U.S Industrial Public Utility Railroad Inst. of Govt   | PREFERRED STOCK Industrial | Public UtilityRailroad | COMMON STOCK | Banks & Insurance   | MORTGAGES  | MISCELLANEOUS | College Real Estate  | CASH - Over invested        |

Note: There is also held \$56,614.06 Banks & Insurance Company Stock not included in the above figures being holdings in C. Wharton Stork Art Gift Fund, which is not included in the Funds. This Fund has an overdraft in Principal cash of \$33,414.06.

#### SUMMARY OF THE ACCOUNTS OF

#### THE CORPORATION OF HAVERFORD COLLEGE

#### WM. MORRIS MAIER, TREASURER

#### ALDO CASELLI, COMPTROLLER

For the Year Ending Eighth Month 31, 1956

#### RECEIPTS

| Income from Endowment Funds Consolidated:  |                                       |              |
|--|---------------------------------------|--------------|
| Funds for General Purposes.       365,659.22         T. Wistar Brown Graduate Scholarship Fund       23,900.86         Morris Infirmary Fund.       931.83         Haverford Union Funds.       118.99         Scholarship Funds.       29,135.14         Library Funds.       21,284.93         Old Style Pensions Fund       16,556.91         Special Purpose Funds.       6,313.15 | 463,901.03                            |              |
| Income from Non-Consolidated Funds:  |                                       |              |
| John Farnum Memorial Fund.       1,714.71         Augustus Taber Murray Research       1,195.65         Scholarship Fund.       96,766.66         William Pyle Philips Fund.       270.13         Henry C. Brown Trust.       8,753.76         W. Percy Simpson Trust       1,487.92         Nathan Branson Hill Trust       103.50         William Maul Measey Trust.       57,200.89 | 167,493.22                            | 631,394.25   |
| Income from College Sources:   |                                       |              |
| Tuition.  Board.  Room  Board and Room from Non-Students:  | 346,180.00<br>188,090.46<br>98,272.85 |              |
| Rents  |                                       |              |
| Meals: Day Students  |                                       |              |
| Guests and employees         21,043.94           Summer Conferences         17,535.36  | 49,047.98                             |              |
| Miscellaneous Collections:   |                                       |              |
| Snack Bar.       1,725.52         Bookstore.       3,199.93         Infirmary.       310.29         Fines.       1,076.00         Re-examinations.       75.00         Transcripts.       805.00         Sale of wood & furniture       153.63         Rent of truck and land.       708.50  |                                       |              |
| Forward  |                                       | \$631,394.25 |

| Forward   | \$ .681,59129 | \$631,394.25   |
|---|---------------|----------------|
| Miscellaneous Collections (continued)   |               |                |
| Admissions to games.       1,630.36         Sundry Collections.       5,627.17         Discounts Earned.       533.55         T. A. Benham's Project       1,761.97 |               |                |
| Unit Fee. 12,717.92 Rental of Dining Room 3,000.00 From Philips account for Public  |               |                |
| relations costs   | 36,325.34     | 717,916.63     |
| Interest Received   |               | 2,035.86       |
| Donations for Additions to Funds (as per Schedule)  |               | 445,769.94     |
| Donations other than Funds  |               |                |
| For Music: 705.00   | 745 60        |                |
| From Budget.         40.68           For Athletics:         74.60   | 745.68        |                |
| From E. L. Gordon   | 99.60         |                |
| From Book Assn. of Friends  |               |                |
| From B. Hollander   |               |                |
| From Matzke Royalties         25.48           From F. J. Nock         5.00  | 925.98        |                |
| For Rufus Jones Memorial From H. Vogt   | 328.53        |                |
| For Prizes From Budget  | 30.00         |                |
| For Scholarships: From Wm. Deisches Foundation  |               |                |
| From Board of City Trusts   |               |                |
| From Christopher Reynolds Foundation.         3,500.00           From Ford Foundation.         3,000.00           From Haverford Society of Maryland         762.00 |               |                |
| From Haverford Society of New England 500.00 From Repayments of Student Loans 631.91  |               |                |
| From Students Assistance. 870.00 From Charles M. Phelps 200.00  |               |                |
| From Mt. Hollywood Congregational Church 200.00 From Ford Gurrell Memorial  |               |                |
| From Scott Paper Company.         1,000.00           From Charles J. Rhoads.         450.00   |               |                |
| From Towers, Perrin, Forster & Crosby.         250.00           From Roy S. Shoemaker Fund.         600.00           From Westtown School.         400.00           |               |                |
| Forward   | \$2,129.79    | \$1,797,116.68 |

| Forward  | \$2,129,79  | \$1,797,116.68 |
|--|-------------|----------------|
| Donations other than Funds (continued)   | ***,        | +-,,           |
| Continue (Continue (Contin |             |                |
| From National Scholarship Fund   |             |                |
| for Negro Students   |             |                |
| From George P. Skouras   |             |                |
| From Caroline Newton   |             |                |
| From Edward Rosewater  |             |                |
| From J. Fred Lissfelt  |             |                |
| From Mary Frances Nunnes   |             |                |
| From Guggenheim Foundation   |             |                |
| From Board of Education  |             |                |
| From Class of 1952 Gift  | 24,907.44   |                |
| For Alumni Association   | 4,763.50    |                |
| For Campus Club.   | 4.00        |                |
| 10. Campao Cao   | 1.00        |                |
| For General Purposes:  |             |                |
| From Scott Paper Co  |             |                |
| From F. Murphy   |             |                |
| From Equitable Life  |             |                |
| From Yarnall-Waring Co   |             |                |
| From D. McDonald   |             |                |
| From Phila. Quartz Co  |             |                |
| From Esso Foundation 5,000.00  |             |                |
| From W. Wilson Foundation  |             |                |
| From E. I. DuPont Co   |             |                |
| From Merrill, Lynch, Pierce  |             |                |
| Fenner & Beane   |             |                |
| From Colgate Palmolive Co  |             |                |
| From G. L. Morris  |             |                |
| From Herbert A. Huene  |             |                |
| From E. Thomas Snipes  |             |                |
| From Westinghouse Educational Foundation 1,500.00  |             |                |
| From J. M. Read  |             |                |
| From Anonymous   |             |                |
| From Foundation for Independent Colleges 6,038.28  |             |                |
| From Texas Co  |             |                |
| From Robert R. Porter  |             |                |
| From Carroll L. Corson   | 32,515.03   |                |
| For Flight Dynamat   |             |                |
| For Flight Project (From Mr. & Mrs. J. K. Speicher)  | 1,000.00    |                |
| For Lemonick Project   | 1,000.00    |                |
| (From Research Corporation)  | 5,300.00    |                |
| For Radio Club   | 0,000.00    |                |
| (From interest on funds)   | 81.47       |                |
| For National Heart Institute Project   | 2,394.52    |                |
| For Reading  |             |                |
| (From Rockefeller Foundation)  | 4,926.06    |                |
| For Benfey Project   |             |                |
| (From T. Benfey)   | 11.50       |                |
| For Gold Coast Project   | 15 101 11   |                |
| (From Ford Foundation)   | 15,464.41   |                |
| Forward  | \$03 407 73 | \$1 707 116 69 |
| Forward  | φ33,431.12  | \$1,797,116.68 |

| Forward  | \$93,497.72         | \$1,797,116.68 |
|--|---------------------|----------------|
| Donations other than Funds (continued)               |                     |                |
| For Chemistry  |                     |                |
| (From E. I. DuPont Co.)                              | 2,500.00            |                |
| For Biology  |                     |                |
| (From Transfer)                                      | 172.89              |                |
| From National Science Foundation                     | 13,307.25<br>25.00  | 109,502.86     |
| For Alumni Fund                                      |                     | 14,843.63      |
| For Human Relations (dividends)                      |                     | 162.00         |
| Additions to Funds - Income Transferred To Principal |                     |                |
| 1949 Campaign Salary Fund                            | 1,159,94            |                |
| Rufus M. Jones for Advancement of Teaching           | 2,306.09            |                |
| J. Horace Cook Fund                                  | 704.96              |                |
| Moses Brown Fund                                     | 2,390.08            |                |
| 1949 Campaign Library Fund                           | 225.78              |                |
| 1949 Campaign Scholarship Fund                       | 302.24              |                |
| Mary Farnum Brown Library Fund.                      | 44.24               |                |
| Max Leuchter Scholarship Fund                        | 463.52              |                |
| Isaac Thorne Johnson Scholarship Fund                | 156.08<br>1,129.44  |                |
| George Peirce Prize Fund.                            | 171.84              |                |
| Mathematics Department Prize Fund                    | 66.99               |                |
| Jacob & Eugenie Bucky Foundation                     | 82.56               | 9,203.76       |
| Reserve for Non-Faculty Pensions (see account)       |                     |                |
| Pensions   | 8,689.50            |                |
| Interest   | 2,494.44            | 11,183.94      |
| Death Benefit for Non-Faculty                        |                     | 1,000.00       |
| Miscellaneous Items to Balance Accounts              |                     |                |
| Library Collections                                  | 438.01              |                |
| Skating Pond Receipts                                | 2,035.50            |                |
| Taxes Withheld                                       | 112,670.65          |                |
| Sales Tax Collections                                | 305.60              |                |
| In and Out.  | 1,030.86            |                |
| Collections from Faculty, Students &                 |                     |                |
| others for work done                                 | 6,855.24            |                |
| Student Store - gross sales                          | 22,047.69<br>660.00 |                |
| Student Affairs.                                     | 929.25              |                |
| Bookstore - collections                              | 48,664.39           |                |
| Medical Re-imbursement Plan                          | ,                   |                |
| Budget   |                     |                |
| Donation - Phila. Quartz Co                          | 10,000.00           |                |
| Accounts Receivable from Students.                   | 766,825.99          |                |
| Accounts Receivable from Employees                   | 51,128.81           |                |
| Accounts Receivable U. S. Gov't                      | 38,547.71           |                |
| Measey Trust - receipts.  Over & Short.              | 12,787.77<br>270.74 |                |
| Treasurer's In and Out                               | 1,486.63            | 1,076,684.84   |
| Forward  |                     | \$3,019,697.71 |
|  |                     | 40,010,001.11  |

| Forward   | \$3,019,697.71                       |
|---|--------------------------------------|
| Items Relating to other Fiscal Years  |                                      |
| Advance receipts for following years       25,01         Rooms paid for in advance       4,47         Expenses for following years       69,78         Prepaid Insurance       13,31         Accounts Payable       11,04         Inventories       14,36         Reserve for New Boiler - applied       3,90         Reserve for Barclay Hall - applied       2,93 | 4.46<br>9.80<br>8.43<br>9.98<br>0.24 |
| New Construction  |                                      |
| From Corporation of Haverford College         187,44           for Merion Hall         3,45           For other real estate         3,45           For Building Program         703,40  | 8.17                                 |
| Investments Realized  |                                      |
| Consolidated Investments   Bonds  |                                      |
| William Maul Measey Investments   |                                      |
| Common Stock Industrial   | 4.88                                 |
| John Farnum Memorial Fund   | 6.00 1,313,897.06                    |
| Money Borrowed - temporarily  | 110,000.00                           |
| Balances September 1, 1955  |                                      |
| Treasurer's Account       141,589         President's Account       11,416         Wm. Maul Measey Trust       30,450   | 3.71                                 |
| TOTAL RECEIPTS  | \$5,666,198.75                       |

#### EXPENDITURES

#### 1955-1956

#### Expenses of Running the College

| Administration                         |                         |                |
|--|-------------------------|----------------|
| Salaries                               | 86,883,91               |                |
| Supplies & Postage                     | 7,278.20                |                |
| Services,                              | 4.016.16                |                |
| Telephone & Telegraph                  | 2,035.75                |                |
| Replacement & Repair.                  | 826.47                  |                |
| Additional Equipment                   | (5.00)                  |                |
| Taxes                                  | 1.443.50                |                |
| Insurance.                             | 509.34                  |                |
| Traveling.                             | 2,347.60                |                |
| Public Relations                       | 8,109.54                |                |
| Printing                               | 13,473.93               |                |
| Entertainment                          | 3,856.46                | 130,775.86     |
| Educational Departments                |                         | ,              |
|  | 405 000 05              |                |
| Salaries                               | 425,993.65              |                |
| Supplies & Postage                     | 23,700.65               |                |
| Services                               | 4,609.41                |                |
| Water, Heat, Light, Power              | 23.19                   |                |
| Telegraph & Telephone                  | 3,159.59                |                |
| Replacement & Repair                   | 418.68                  |                |
| Equipment                              | 256.60                  |                |
| Taxes                                  | 6,098.11                |                |
| Insurance                              | 2,657.80                |                |
| Traveling.                             | 5,712.43                | 404 779 69     |
| Not Elsewhere Classified               | 12,142.52               | 484,772.63     |
| Maintenance & Operation                |                         |                |
| Wages                                  | 98,062.45               |                |
| Supplies & Inventories                 | 8,252.44                |                |
| Contracts                              | 14,531,75               |                |
| Water, Heat, Light, Power              | 40,800.75               |                |
| Telephone & Telegraph                  | 476.37                  |                |
| Equipment                              | 4,048.55                |                |
| Replacement & Repair                   | 17,462.97               |                |
| Taxes                                  | 8,202.59                |                |
| Insurance                              | 8,072.60                |                |
| Not Elsewhere Classified               | 327.33                  | 200,237.80     |
| Kitchen                                |                         | ,              |
| Salarios                               | 6E 097 06               |                |
| Salaries                               | 65,827.86<br>105,638.36 |                |
|  |                         |                |
| Services                               | 7,697.96<br>5,698.93    |                |
|  | 357.35                  |                |
| Telephone & Telegraph                  | 36,945.47               |                |
|  | 1,036.14                |                |
| Taxes                                  | 377.20                  |                |
| Traveling                              | 164.45                  | 223,743.72     |
| ************************************** | 104.40                  | 220,170.12     |
| Forward                                |                         | \$1,039,530.01 |

| Forward  | \$1,039,530.01   |                             |
|--|--|-----------------------------|
| Expenses of Running the College (continued)  |  |                             |
| Development  |  |                             |
| Salaries       13,551.08         Supplies       5,399.84         Services       1,588.07         Telephone & Telegraph       317.53         Taxes       230.85         Insurance       122.18         Traveling       386.97   | 21,596.52  | 1,061,126.53                |
| Total Expenses of Running the College  |  | 1,061,126.53                |
| Miscellaneous Expenses           Treasurer's, Secretary's, Legal           Expenses & Services.         12,110.33           Old Style Pensions.         26,474.50           Interest.         2,804.84           Final 1/10th cost of New Boiler         3,900.99           Final 1/10th cost of Barclay Hall         2,930.64           Work Aid to Students.         6,298.82           Pensions to Non-Faculty & Reserve         8,689.50           Reserve for Death Benefit for         Non-Faculty.         1,000.00           Alumni Expenses charged off         18,033.48           Expenditures from Income of Funds         1 | _82,243.10   | 82,243.10                   |
| For Scholarships   |  |                             |
| From General Funds. 4,848.67 21,850.00  From Charles McCaul Fund. From Scholarship Funds. For Annuity. For Fellowships For Clementine Cope Fellowships.  Expenditures from Income of Augustus Taber Murray Fund  | 26,698.67<br>500.00<br>28,560.84<br>269.10<br>1,900.00<br>2,600.00 | 60,528.61                   |
|  |  | 000.00                      |
| Annuity.   |  | 980.00                      |
| Expenditures of Income from Wm. Maul Measey Trust  |  |                             |
| For Scholarships   |  |                             |
| To Haverford College   | 12,787.77<br>11,000.00   | 23,787.77                   |
| Expenditures from Income of Funds for Library  |  |                             |
| Lectures   | 403.78<br>10,935.39  | 11,339.17<br>\$1,240,005.18 |

| Forward   |  | \$ 1,240,005.18 |
|---|--|-----------------|
| Expenditures from Income of Funds for Special Purposes  |  |                 |
| Lectures. Prizes. Books Planting & grounds Observatory. Work Camp Fees Students Trips. Religious Education Committee Miscellaneous. | 1,247,90<br>540,00<br>205,57<br>1,135,76<br>241,86<br>270,18<br>183,79<br>200,00<br>450,00 | 4,475.06        |
| Expenditures from Principal of Funds  |  |                 |
| To Building Program   |  | 120,000.00      |
| Expenditures from Principal of Wm. Pyle Philips Fund  |  |                 |
| Payment made in accordance with agreement with Executors  |  | 4,000.00        |
| Expenditures from Wm. Pyle Philips Fund - Special   |  |                 |
| Visitors.<br>Library.<br>Miscellaneous  | 28,230.64<br>17,919.05<br>10,549.59  | 56,699.28       |
| Expenditures from Donations other than Funds  |  |                 |
| For Music. For Athletics For Library:   | 795.68<br>69.60  |                 |
| Books.       294.59         Honoraria       180.00         Miscellaneous       280.81   | 755.40   |                 |
| For Prizes. For Scholarships.   | 25.00<br>27,492.74   |                 |
| For Alumni Association Salaries   | 4,763.50<br>273.33   |                 |
| For Faculty Publications  | 750.00<br>7,177.98   |                 |
| For I. Reid Project. For Lemonick Project.  | 463.56<br>831.90   |                 |
| For Green Project.  For Fund for Republic Project.  | 2,274.40<br>2,625.09   |                 |
| For T. O. Jones Project. For Public Health Project.   | 130.70<br>2,394.52   |                 |
| For Senior Seminar. For Benfey Project.   | 6,200.00<br>62.30  |                 |
| For Gold Coast Project. For Chemistry Department.   | 12,358.21  |                 |
| For Biology Department  | 2,562.97<br>3,774.71   |                 |
| For Mathematics Department,   | 8,283.98<br>2,574.44   | 86,640.01       |
| Non-Faculty Pensions  |  |                 |
| Paid from reserve   |  | 3,504.50        |
|   |  |                 |

| Forward  | \$1,51  | 5,324.03 |
|--|---|----------|
| Miscellaneous Items to Balance Account   |   |          |
| Library. Skating Pond Taxes Withheld - Paid. Penna. Sales Tax - Paid. In & Out. Work in Progress Student Store Loans. Student Affairs. Bookstore - Purchases & Operations Medical Re-imbursement Plan. Accounts Receivable from Students - Charges. Accounts Receivable from Employees - Charges. Accounts Receivable from Government - Charges Measey Trust - Scholarships granted. Treasurer's In & Out - transfers to proper places. Over & Short | 206.36<br>762.80<br>118,916.42<br>305.60<br>400.00<br>6,522.86<br>22,888.51<br>7,570.32<br>665.95<br>49,706.47<br>2,875.26<br>767,241.51<br>52,077.16<br>36,673.39<br>12,787.77<br>41,830.70<br>31.50<br>1,12 | 1,462.58 |
| Items Relating to other Fiscal Years   |   |          |
| Advance Receipts - applied. Rooms paid in advance - applied. Expenses for following years - applied Prepaid Insurance. Accounts Payable Inventories.   | 23,211.72<br>40,288.57<br>49,260.68<br>12,190.13<br>2,927.58<br>10,993.20   | 8,871.88 |
| New Construction   |   |          |
| Leeds Hall. Field House Renovations - Founders Hall Renovations - Gymnasium. New Roads. Relocation of Facilities Sheds & Garages. Power House & Boilers Merion Hall.   | 112,553.55<br>479,146.21<br>5,253.52<br>1,775.00<br>10,226.85<br>2,550.00<br>1,772.93<br>26,480.22<br>167,337.10  | 7,095.38 |
| Income Transferred to Principal (See Receipts for items)   |   | 9,203.76 |
| Description  | #2 FO   | 1077.00  |
|  | \$3,59  | 1,957.63 |

| Forward   |                        | \$3,591,957.63 |
|---|------------------------|----------------|
| Investments made or donated (continued)   |                        |                |
| Consolidated Investments (continued)  |                        |                |
| Mortgages - New.       26,000.00         Miscellaneous.       4,258.17         College Real Estate       187,441.12 | 1,627,407.96           |                |
| Wm. Pyle Philips Investments  |                        |                |
| Common Stock  |                        |                |
| Banks & Insurance.       23,055.54         Public Utility.       108,672.74   | 131,728.28             |                |
| Wm. Maul Measey Investments   |                        |                |
| Common Stock  |                        |                |
| Industrial.       160,169.14         Public Utility.       42.50  | 160,211.64             |                |
| John Farnum Memorial Fund   | 16,728.00              | 1,936,075.88   |
| Balance August 31, 1956   |                        |                |
| Treasurer's Account   | 61,764.63<br>14,174.05 |                |
| Principal. 4,387.90 Income. 57,838.66   | 62,226.56              | 138,165.24     |
| TOTAL EXP   | PENDITURES             | \$5,666,198.75 |
|   |                        |                |



### Universe E. Vrown & Company

ESTABLISHED 1882

#### Certified Jublic Accountants

PENNSYLVANIA)

1917 FIDELITY-PHILADELPHIA TRUST BUILDING

PHILADELPHIA

October 10, 1956

Board of Managers
The Corporation of Haverford College
Haverford Penna.

Dear Sirs:

ADDISON R. BROWN W. EDWIN DILL ROBERT W. JOHNSTON

R. CARL RHOADS

ADDISON R. BROWN, JR

ALBERT F. ZANGER

We have examined the statement of receipts and expenditures and the operating statement for the fiscal year ended 8th Month 31, 1956, 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 March 31, 1956 with the balance on deposit in bank; and the examination of the securities held by the Provident Trust Company and Fidelity Philadelphia Trust Company as fiscal agents 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, 1956, in conformity with generally accepted accounting Principles applied on a basis consistent with that of the preceding year.

Very truly yours,

Laurence E. Bemurt

LAWRENCE E. BROWN & CO. Certified Public Accountants.

#### DONATIONS FOR ADDITIONS TO FUNDS

1955 - 1956

| GENERAL ENDOWMENT FUND  |              |
|---|--------------|
| Received from Mathew Watson, Jr. & George D. Hackett U/W of Elizabeth S. Dillinger - directed by Bessie Kohne Schenck | 3,000.00     |
| CORPORATION FUND  |              |
| Contribution received for Extinguishment of Easement  | 300.00       |
| WILLIAM B. BELL FUND  |              |
| Supplemental distribution   | 115.90       |
| J. HORACE COOK FUND   |              |
| Bequest from J. Horace Cook - effective on termination of life estate   | 122,036.54   |
| THE FORD FOUNDATION ENDOWMENT FUND  |              |
| Grant from Ford Foundation for Faculty Salaries   | 170,000.00   |
| THE FORD FOUNDATION ACCOMPLISHMENT FUND   |              |
| Grant from Ford Foundation in recognition of improvement in faculty salaries.   | 95,000.00    |
| LOUIS JAQUETTE PALMER SCHOLARSHIP FUND  |              |
| From Triangle Society   | 365.00       |
| CLASS OF 1917 SCHOLARSHIP FUND  |              |
| Jesse G. Forsythe   |              |
| Edmund T. Price   |              |
| Weston Howland       100.00         Donald Chandler, M.D.       100.00  |              |
| Joseph W. Greene, Jr  |              |
| William H. Chamberlin   |              |
| H. Lawrence Jones   |              |
| M. Alexander Laverty  |              |
| Arthur H. Napier  |              |
| Newlin F. Paxson, M.D   |              |
| Loring Dam  |              |
| Carl M. Sangree   |              |
| John W. Spaeth, Jr  |              |
| Arthur E. Spellissy   | 005.00       |
| Prof. Hugh E. McKinstry   | 865.00       |
| Forward   | \$391,682.44 |

| Donations for Additions to Funds (continued)  |              |
|---|--------------|
| Forward   | \$391,682.44 |
| A. CLEMENT WILD SCHOLARSHIP FUND  |              |
| (through 1949 Campaign) From Mrs. Gertrude A. Wild  | 2,587.50     |
| INAZO NITOBE SCHOLARSHIP FUND   |              |
| Bequest U/W of Anna H. Chace  | 10,000.00    |
| THE SUMMERFIELD FOUNDATION SCHOLARSHIP FUND   |              |
| Gift received through William Felstiner President of Solon E. Summerfield Foundation, Inc | 1,000.00     |
| TILNEY MEMORIAL FUND  |              |
| Gift of I. Sheldon Tilney   | 500.00       |
| WILLIAM MAUL MEASEY TRUST   |              |
| Gifts of Wm. Maul Measey  | 40,000.00    |
| TOTAL DONATIONS FOR ADDITIONS TO FUNDS  | \$445,769.94 |

#### CONTRIBUTORS TO THE "LIBRARY ASSOCIATES"

| Name                             | Amount   |
|----------------------------------|----------|
| Dr. & Mrs. Kenneth E. Appel      | \$105.00 |
| Mr. & Mrs. Herbert O. Bailey     | 10.00    |
| Mr. & Mrs. William A. Battey     | 5.00     |
| Mrs. Robert M. Bird              | 2.00     |
| Mr. & Mrs. Paul Bleyden          | 5.00     |
| Miss Heloise Brainerd.           | 10.00    |
| Mr. & Mrs. Harold W. Brecht      | 2.00     |
| Mr. & Mrs. Friedrich Bruns.      | 5.00     |
| Mr. & Mrs. W. E. Cadbury, Jr.    | 4.00     |
| Mrs. Richard L. Cary.            | 5.00     |
| Mr. & Mrs. Geo. K. Chandler      | 2.00     |
| Dr. & Mrs. J. Howard Cloud       | 2.00     |
| Mr. & Mrs. Hayward H. Coburn     | 5.00     |
| Mrs. William H. Collins.         | 5.00     |
| Mr. & Mrs. O. L. Coward          | 4.00     |
| Mr. & Mrs. James A. Crawford     | 2.00     |
| Mr. & Mrs. Carlton Cressman      | 2.00     |
| Mr. Claude A. Cubberley          | 2.00     |
| Dr. & Mrs. David M. Davis        | 4.00     |
| Miss Meribah C. Delaplaine.      | 2.00     |
| Dr. & Mrs. T. McK. Downs         | 10.00    |
| Mr. & Mrs. Thomas E. Drake       | 5.00     |
| Mr. & Mrs. Henry S. Drinker, Jr. | 10.00    |
| Mrs. McClure Fahnestock          | 2.00     |
| Dr. & Mrs. Clifford B. Farr      | 2.00     |
| Miss Elizabeth Z. Farrow         | 2.00     |
| Miss Kathryn V. Forrest          | 2.00     |
| Mrs. Herbert Fox.                | 2.00     |
| Mrs. Sara K. Fuller              | 2.00     |
| Mrs. James H. Genung             | 5.00     |
| Mr. & Mrs. Louis C. Green        | 2.00     |
| Miss Gladys H. Griscom           | 5.00     |
| Mr. & Mrs. John F. Gummere       | 5.00     |
| Mr. & Mrs. R. M. Gummere         | 4.00     |
| Mr. & Mrs. Edward Haack          | 4.00     |
| Miss Bertha E. Harding           | 4.00     |
| Mrs. T. H. Hart                  | 2.00     |
| Miss Ethel Hastings              | 10.00    |
| Mrs. John V. Hastings, Jr        | 5.00     |
| Mr. & Mrs. Roy A. Helton         | 5.00     |
| Mr. & Mrs. John G. Herndon       | 4.00     |
| Mr. & Mrs. Harrison S. Hires     | 50.00    |
| Mrs. Gilbert T. Hoag             | 2.00     |
| Mr. & Mrs. Howard J. Hogenauer   | 15.00    |
| Mr. & Mrs. Clayton W. Holmes     | 2.00     |
| Mr. & Mrs. Allen F. Horton       | 5.00     |
| Dr. & Mrs. Orville Horwitz       | 2.00     |
| Mr. & Mrs. Harry A. Houston      | 2.00     |
| Mr. & Mrs. Holland Hunter        | 2.00     |
|                                  |          |

\$355.00

#### Contributors to the "Library Associates" (continued)

| Name Forward.                           | Amount \$355.00 |
|---|-----------------|
| 202100200111111111111111111111111111111 | 400000          |
| Mrs. Ralph D. Jackson                   | 2.00            |
| Mr. & Mrs. Richard Jenney               | 2.00            |
| Mr. & Mrs. Ames Johnston                | 5.00            |
| Mr. & Mrs. J. Barclay Jones             | 5.00            |
| Miss Mary Hoxie Jones                   | 2.00            |
| Mr. John A. Kelly                       | 3.00            |
| Mr. John D. Kenderdine                  | 5.00            |
| Mrs. W. M. Kift                         | 2.00            |
| Mr. & Mrs. M. Alexander Laverty         | 4.00            |
| Mrs. Arthur Leverkus                    | 4.00            |
| Mr. & Mrs. M. Albert Linton             | 10.00           |
| Mr. & Mrs. Robert A. Locke              | 10.00           |
| Mr. & Mrs. Dean P. Lockwood             | 2.00            |
| Mr. & Mrs. Arthur B. Loder              | 10.00           |
| Mrs. J. Henry Longmaid                  | 3.00            |
| Mrs. Balduin Lucke                      | 2.00            |
| Mr. & Mrs. W. M. Maier                  | 5.00            |
| Miss Belle Matheson                     | 5.00            |
| Miss Beatrice MacGeorge                 | 5.00            |
| Mr. & Mrs. Archibald MacIntosh          | 2.00            |
| Miss Virginia A. McCall                 | 2.00            |
| Mr. & Mrs. Richard W. Mecaskey          | 3.00            |
| Mr. Samuel S. McNeary.                  | 2.00            |
| Mrs. Bingham Milne                      | 10.00           |
| Dr. & Mrs. Stuart Mudd                  | 10.00           |
| Mr. & Mrs. Clarence N. Myers            | 2.00            |
| Miss Caroline Newton                    | 10.00           |
| Dr. & Mrs. Jesse T. Nicholson           | 20.00           |
| Mrs. Frank Niles.                       | 2.00            |
| Mr. & Mrs. Robert S. Noone              | 25.00           |
| Mr. & Mrs. Cletus O. Oakley             | 4.00            |
| Mr. & Mrs. Frederic Palmer.             | 5.00            |
| Dr. Ethel G. Peirce.                    | 3.00            |
| Mr. & Mrs. Charles Perry                | 2.00            |
| Mr. & Mrs. Harry W. Pfund               | 4.00            |
| Mr. & Mrs. L. Arnold Post               | 5.00            |
| Miss Ida W. Pritchett                   | 5.00            |
| Mr. & Mrs. Conyers Read.                | 10.00           |
| Mr. & Mrs. G. R. Rebmann, Jr.           | 5.00            |
| Mr. & Mrs. Layton B. Register           | 5.00            |
| Mr. Legh W. Reid, ,                     | 3.00            |
| Mr. Thomas C. Reid                      | 5.00            |
| Dr. Jonathan E. Rhoads                  | 10.00           |
| Mr. & Mrs. John F. Rich.                | 2.00            |
| Mr. Chas. S. Ristine                    | 5.00            |
| Mr. & Mrs. L. H. Rittenhouse            | 2.00            |
| Mrs. Louis Barclay Robinson             | 10.00           |
| Mrs. John M. Rusby                      | 2.00            |
|   |                 |
| Forward                                 | \$616.00        |

#### Contributors to the "Library Associates" (Continued)

| Name                              | Amount   |
|-----------------------------------|----------|
| Forward                           | \$616.00 |
|                                   |          |
| Mr. & Mrs. William P. Sadler      | 10.00    |
| Mr. & Mrs. Ralph M. Sargent       | 10.00    |
| Mrs. Samuel Scoville, Jr          | 2.00     |
| Miss H. Louise Searle             | 4.00     |
| Dr. & Mrs. Frederic C. Sharpless  | 6.00     |
| Mr. & Mrs. Thomas Kite Sharpless  | 2.00     |
| Mr. Lucius R. Shero.              | 5.00     |
| Miss Mary C. Smith                | 5.00     |
| Mrs. Earnshaw Smythe              | 2.00     |
| Mr. Freas B. Snyder               | 2.00     |
| Dr. & Mrs. William C. Stadie      | 2.00     |
| The Misses Steen                  | 5.00     |
| Mr. & Mrs. Douglas V. Steere      | 25.00    |
| Mr. & Mrs. Jonathan M. Steere     | 5.00     |
| Mrs. J. Stogdell Stokes           | 5.00     |
| Mr. Hugh E. Stone.                | 10.00    |
| Mrs. Kenneth E. Stuart            | 5.00     |
| Mr. & Mrs. Philip S. Sweetser.    | 2.00     |
| Mr. & Mrs. Emmett R. Tatnall      | 8.00     |
| Mr. & Mrs. Allen M. Terrell.      | 2.00     |
| Miss Frances W. Terry.            | 2.00     |
| Mrs. Arthur H. Thomas.            | 5.00     |
| Miss Marjorie L. Thompson         | 10.00    |
| Mr. & Mrs. Revnolds Tilden.       | 5.00     |
| Dr. & Mrs. Owen Jones Toland      | 2.00     |
| Mr. & Mrs. Frank D. Watson.       | 2.00     |
| Mr. & Mrs. Nelson West, III       | 4.00     |
| Mr. & Mrs. Laurence W. Wiley      | 2.50     |
| Mr. H. Justice Williams.          | 2.00     |
| Mr. & Mrs. William M. Wills       | 2.00     |
| Mr. Albert H. Wilson.             | 5.00     |
| Mr. & Mrs. D. Wright Wilson       | 4.00     |
| Miss Rebecca B. Wistar.           | 5.00     |
| Mr. & Mrs. Thomas Wistar          | 10.00    |
| Mr. & Mrs. Alexander C. Wood, Jr. | 2.00     |
| MI, & MID, INCAMINET C. WOOD, UI  | 2.00     |
|                                   |          |

\$795.50

#### THE FRIENDS OF MUSIC AT HAVERFORD

| Name   | Amount        |
|--|---------------|
| Janet M. Agnew                               | \$ 2.50       |
| Edward P. Alexander                          | 10.00         |
| Mrs. Kenneth E. Appel                        | 5.00          |
| Manuel J. Asensio                            | 2.50          |
| Mrs. Howard K. Banernfeind                   | 5.00          |
| George Baron.                                | 5.00          |
| Miss Alice Biddle                            | 30.00         |
| Harriet Budke                                | 2.50          |
| Robert H. Butman                             | 2.50          |
| Mrs. Theodore D. Casto                       | 5.00          |
| Carolyn D. Chandler                          | 2.50          |
| Mrs. W. H. Collens.                          | 5.00          |
| Mrs. Charles Wood Collier                    | 5.00          |
| Peter Colonna                                | 2.50          |
| Mrs. Howard Comfort                          | 5.00          |
| Mrs. W. W. Comfort                           | 5.00          |
| Francis Brown Conti.                         | 2.50          |
| Ralph T. K. Cornwell                         | 5.00          |
| Miss Elinor E. Curwen                        | 5.00          |
| Arthur P. Dudden.                            | 10.00         |
| Robert & Rita Durling.                       | 5.00          |
| Elkan-Vogel Company, Inc.                    | 15.00         |
| Miss Gertrude Ely.                           | 10.00         |
| Mrs. Samuel Emlen                            | 5.00          |
| Mrs. Edmund C. Evans.                        | 2.50          |
| Miss Mary Evans                              | 5.00<br>2.50  |
| Mrs. McClure Fahnestock                      | 5.00          |
| Alice L. Farr                                | 2.50          |
| Clare Ray Ford                               | 5.00          |
| Robert S. Forster (Dr.)                      | 2.50          |
| Mrs. Sara K. Fuller.                         | 10.00         |
| Isabel E. Gamble.                            | 5.00          |
| Miss Mary K. Gibson                          | 5.00          |
| Robert L. Goodale.                           | 5.00          |
| Edwin Gorgas                                 | 5.00          |
| Miss Cynthia Griffins                        | 5.00          |
| Miss Gladys H. Griscom                       | 5.00          |
| Robert Hackenburg.                           | 10.00         |
| Mrs. J. S. C. Harvey                         | 10.00         |
| Miss Ethel Hastings                          | 5.00          |
| Mrs. Walter Hayward                          | 7.50          |
| Mrs. Charles J. Hepburn, Jr                  | 2.50          |
| Mrs. Gilbert T. Hoag.                        | 5.00          |
| Blanche Holmes.                              | 2.50          |
| Holland Hunter                               | 5.00          |
| Harry Ingersoll.                             | 5.00          |
| Marion Ives.                                 | 5.00          |
| John A, Kelly                                | 2.50          |
| Mrs. William M. Kift Mr. & Mrs. Philip Klein | 2.50<br>50.00 |
| William Kohler                               | 2.50          |
| **************************************       | 2.00          |
| Forward                                      | \$332.50      |

#### The Friends of Music at Haverford (continued)

| Name                         | Amount   |
|------------------------------|----------|
| Forward                      | \$332.50 |
|                              |          |
| Alice Lattimore              | 5.00     |
| John A. Lester               | 2.50     |
| Dean P. Lockwood             | 2.50     |
| Angeline H. Lograsso         | 2.50     |
| Wallace T. MacCaffrey        | 10.00    |
| Marjorie N. MacCoy           | 5.00     |
| Mrs. Archibald MacIntosh     | 2.50     |
| Mrs. Frederick Manning       | 25.00    |
| Edmund A. Mennis             | 5.00     |
| Fritz Mezger                 | 5.00     |
| Miss A. Katherine Miller     | 5.00     |
| Miss Caroline Newton         | 5.00     |
| Robert Scott Noone           | 10.00    |
| Mildred B. Northrop          | 2.50     |
| Prof. Cletus Oakley          | 7.50     |
| Mrs. F. H. Osborn, Jr.       | 5.00     |
| Orlando Otey                 | 5.00     |
| George W. Patterson          | 2.50     |
| Harry & Marie Pfund          | 5.00     |
| L. A. Post.                  | 5.00     |
| Mr. & Mrs. Frank Quinn       | 5.00     |
| Mrs. Richard Reckmagel       | 5.00     |
| William H. Reese             | 2.50     |
| Dr. Jonathan E. Rhoads       | 10.00    |
| Mr. & Mrs. John T. Rich.     | 10.00    |
| Norman & Martha Robbin       | 5.00     |
| Caroline Robbins             | 10.00    |
| Leon C. Robbins, Jr.         | 2.50     |
| Mr. & Mrs. Richard M. Rush   | 5.00     |
| Mr. & Mrs. Ralph Sargent     | 5.00     |
| Mr. & Mrs. Lawrence Saunders | 5.00     |
| Mrs. Charles C. Savage       | 10.00    |
| James B. Sax.                | 5.00     |
| Mrs. John D. Sharpe          | 2.50     |
| Mr. H. Singer                | 2.50     |
| Miss Mary C. Smith           | 5.00     |
| Dr. & Mrs. Alexander Soper   | 5.00     |
| Cornelia Starks              | 2.50     |
| Miss Margaret H. Steen       | 5.00     |
| Miss Mary H. Steen           | 5.00     |
| Mrs. J. Stogdell Stokes      | 5.00     |
| S. Emlen Stokes, M.D.        | 10.00    |
| Mrs. Ferdinando J. Talone    | 2.50     |
| Mrs. Arthur H. Thomas        | 5.00     |
| Miss Carol H. Thomas         | 5.00     |
| Miss Helen Norris Tuttle     | 2.50     |
| Mr. M. L. Van Moppes         | 2.50     |
| Mrs. George Vaux             | 5.00     |
| Adolph Vogel                 | 15.00    |
|                              |          |

Forward....

\$610.00

#### The Friends of Music at Haverford (continued)

| Name                        | Amount   |
|-----------------------------|----------|
| Forward                     | \$610.00 |
|                             |          |
| Jane Walker                 | 2.50     |
| Mr. Henry F. Wanning        | 10.00    |
| Mrs. Herbert Stetson Warren | 5.00     |
| Mr. & Mrs. Frank D. Watson. | 5.00     |
| Lise Wertheimer             | 2.50     |
| Mrs. William T. West        | 2.50     |
| Mrs. William White          | 5.00     |
| H. Justice Williams.        | 2.50     |
| Albert H. Wilson.           | 5.00     |
| Ellen Winser                | 5.00     |
| Prof. Robert Wisner.        | 2.50     |
| Miss R. B. Wistar.          | 2.50     |
| Mr. Owen J. Wister.         | 20.00    |
| Alexander C. Wood, Jr.      | 2.50     |
| Mr. Ken Woodroofe.          | 2.50     |
| Mrs. Raymond D. B. Wright.  | 5.00     |
| Mrs. C. L. Wylie.           | 5.00     |
|                             | 10.00    |
| Mr. George L. Zimmerman     | 10.00    |
| Total                       | \$705.00 |
| AVIII                       | Ψ.00.00  |

#### THE CORPORATION OF HAVERFORD COLLEGE

#### NON-FACULTY PENSIONS ACCOUNT

#### RECEIPTS

| Balance September 1, 1955   |
|---|
| Composed of Reserves and Interest Accumulated 49,888.83   |
| Added:  |
| Yearly payment for future services  |
| Toward funding liability for past services 4,448.00   |
| On account of payments to retired persons   |
| Interest  |
|   |
| EXPENDITURES  |
| Pensions paid to five persons:  Mabel Beard, Alfred Harris, Mary Norris,  J. Otto Rantz & H. Wilson |
| Balance August 31, 1956   |

#### HAVERFORD COLLEGE August 31, 1956

#### REPORT NO. 30 OF "LOAN FUND" ESTABLISHED IN 1926

#### Current Year 1955-1956

| Cash balance on hand August 31, 1955.  9 Loans repaid during year.  13 Partial Payments on Loans during year.  Interest received during year.  Advanced from Corporation of Haverford College.  | \$ 3,444.22<br>2,020.76<br>811.92<br>582.77<br>5,000.00<br>\$ 11,859.67                                      |
|---|--|
| Operating Expenses 17 Loans made during year  | 5,776.04   |
| Printing cost   | 94.33  |
| Cash on hand August 31, 1956  | 5,989.30   |
| Loans Outstanding August 31, 1956.  | 18,913,10  |
| Interest Outstanding August 31, 1956  | 400.34   |
| Total Resources, August 31, 1956  | \$ 25,302.74   |
|   |  |
| Total to August 31, 1955  |  |
| Gifts and Donations   | \$ 28,131,14   |
|   |  |
| 439 Loans Repaid.   |  |
| 439 Loans Repaid. 585 Payments on Loans.  | 68,435.14<br>26,517.02   |
| 585 Payments on Loans   | 68,435.14  |
|   | 68,435.14<br>26,517.02   |
| 585 Payments on Loans   | 68,435.14<br>26,517.02<br>17,111.34<br>5,000.00<br>50.02   |
| 585 Payments on Loans   | 68,435.14<br>26,517.02<br>17,111.34<br>5,000.00  |
| 585 Payments on Loans. Interest paid up. Advance received from Corporation of Haverford College Other sundry collections.  Repayments of Gifts & Donations \$21,708.05  | 68,435.14<br>26,517.02<br>17,111.34<br>5,000.00<br>50.02   |
| 585 Payments on Loans.  Interest paid up.  Advance received from Corporation of Haverford College Other sundry collections.  Repayments of Gifts & Donations.  \$21,708.05 Loss on funds and Merion Title & Trust Co.  582.01   | 68,435.14<br>26,517.02<br>17,111.34<br>5,000.00<br>50.02   |
| 585 Payments on Loans Interest paid up. Advance received from Corporation of Haverford College Other sundry collections.  Repayments of Gifts & Donations . \$21,708.05 Loss on funds and Merion Title & Trust Co. 582.01 Expenses. 254.54  | 68,435.14<br>26,517.02<br>17,111.34<br>5,000.00<br>50.02<br>\$145,244.66                                     |
| 585 Payments on Loans. Interest paid up. Advance received from Corporation of Haverford College Other sundry collections.  Repayments of Gifts & Donations \$21,708.05 Loss on funds and Merion Title & Trust Co. 582.01  | 68,435.14<br>26,517.02<br>17,111.34<br>5,000.00<br>50.02   |
| 585 Payments on Loans         Interest paid up.         Advance received from Corporation of Haverford College         Other sundry collections.         Repayments of Gifts & Donations       \$21,708.05         Loss on funds and Merion Title & Trust Co.       582.01         Expenses.       254.54         Loans granted       116,710.76  | 68,435.14<br>26,517.02<br>17,111.34<br>5,000.00<br>50.02<br>\$145,244.66                                     |
| 585 Payments on Loans Interest paid up. Advance received from Corporation of Haverford College Other sundry collections.  Repayments of Gifts & Donations \$21,708.05 Loss on funds and Merion Title & Trust Co. 582.01 Expenses. 254.54 Loans granted 116,710.76  Cash Balance on Hand August 31, 1956   | 68,435.14<br>26,517.02<br>17,111.34<br>5,000.00<br>50.02<br>\$145,244.66                                     |
| 585 Payments on Loans         Interest paid up.         Advance received from Corporation of Haverford College         Other sundry collections.         Repayments of Gifts & Donations       \$21,708.05         Loss on funds and Merion Title & Trust Co.       582.01         Expenses.       254.54         Loans granted       116,710.76         Cash Balance on Hand August 31, 1956       Outstanding Interest to August 31, 1956 | 68,435.14<br>26,517.02<br>17,111.34<br>5,000.00<br>50.02<br>\$145,244.66                                     |
| 585 Payments on Loans Interest paid up. Advance received from Corporation of Haverford College Other sundry collections.  Repayments of Gifts & Donations \$21,708.05 Loss on funds and Merion Title & Trust Co. 582.01 Expenses. 254.54 Loans granted 116,710.76  Cash Balance on Hand August 31, 1956   | 68,435.14<br>26,517.02<br>17,111.34<br>5,000.00<br>50.02<br>\$145,244.66<br>139,255.36<br>5,989.30<br>400.34 |

#### TRUST FUNDS

#### WILLIAM MAUL MEASEY TRUST

This Trust was established by William Maul Measey by Agreement dated June 27th, 1952 and supplementary Agreement dated April 26th, 1956.

The Trust Agreements provide that the income shall be granted as aid to students without restrictions as to sex, race or religious affiliation, in selected secondary schools or colleges, who on the basis of character, scholarship and financial situation, merit assistance in continuing their education.

In secondary schools aid is to be given to students who live in the institutions

during school terms, and not to day students.

The Capital of the Trust is to be invested solely in common or ordinary

corporate shares.

During the past fiscal year ending August 31st, 1956, the income was \$57,-900.89, and for the academic year 1955-56, out of the previous year's income \$12,787.77 was granted to 26 students at Haverford College, and \$12,500 to 24 students at secondary schools or other colleges.

#### W. PERCY SIMPSON TRUST

#### Provident Trust Co. and William J. Clark Trustees

This perpetual Trust was established under the will of W. Percy Simpson, Class of 1890, who died Second Month 19, 1938. The will provides that one fourth of the net income from the residuary estate, after the death of his widow (who died in 1940) and of his son (who died in 1946), shall go to two grandchildren, and of the remaining three quarters one tenth shall go to Haverford College. Thus Haverford's share of the income now is 3/40th. The income comes partly from securities but largely from Texas Oil Royalties and rentals. Of the present income as estimated by the Trustees, Haverford's share is about \$1,875 per annum.

The will further provides "without imposing any obligation upon Haverford"

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.

#### HENRY C. BROWN TRUST

#### Pennsylvania Co. for Banking and Trusts, Trustee

Founded Eighth Month 18, 1948, by bequest of estimated value of \$183,000 from Henry C. Brown, of Philadelphia, ex Class of 1866, to the Pennsylvania Co., in trust for benefit of Haverford College. The will provides that the income is to be used for current expenses. The will further provides that "the said College shall have power in its discretion to use a portion of the principal of the said trust estate not exceeding in any one year twenty per cent of the original fund for permanent purposes such as buildings, books and equipment proper for conducting the work of instruction and education."

#### NATHAN BRANSON HILL TRUST

Founded in 1904 by deposit with First National Bank and Trust Company of Minneapolis, Minn., Trust, of a paid up life insurance policy for \$5,000 by Samuel Hill, '78, being in memory of his father, Nathan Branson Hill. The income is to be used to aid in the maintenance of Haverford College so long as it shall remain under the auspices of the Society of Friends. In 1931 Samuel Hill died and the policy realized \$5,039. The Trust is to remain in the care of the above named bank, now known as First National Bank of Minneapolis, until twenty-one years after the death of Samuel Hill's son, James N. Hill, who is still alive. At that time, the Trust is to terminate and the principal is to be vested in Haverford College absolutely.

#### 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; 1954, Maria Luisa Gildemeister, \$500. Present book value, \$100,795.14. The income is used for salaries and scholarships.

#### JOHN FARNUM MEMORIAL FUND

Founded in 1878 by the heirs of John Farnum by gift of \$25,000 as a memorial to him. Added to in 1899 by legacy of \$10,000 from Elizabeth II. 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, \$33,087.87.

#### JOHN M. WHITALL FUND

Founded in 1880 by bequest of \$10,000 from John M. Whitall, Sr. Present book value, \$10,640.09. The bequest is upon the condition that the art of drawing, especially mechanical drawing, shall be taught, and the income only is to be used, and for this purpose.

#### DAVID SCULL FUND

Founded in 1885 by bequest of \$40,000 from David Scull, Sr. Present book value, \$44,806.59. The income only is to be used to endow a professorship. The chair of biology was designated as the "David Scull Professor of Biology."

#### EDWARD L. SCULL FUND

Founded in 1865 by net bequest of \$9,500 from Edward L. Scull, '64. The legacy was added to the General Endowment Fund, but in 1888 it was set apart as a separate fund. Present book value, \$11,364.35. The income only is to be used. The bequest is free from any legally binding conditions, but it was the testator's desire "that some judicious means shall be employed by the Managers to further advise students on the subjects of diet and reading."

#### WISTAR MORRIS MEMORIAL FUND

Founded in 1892 by gift of \$5,000 in bonds by Mary Morris, widow of Wistar Morris, as a memorial to him. There are no restrictions. The income is used for general college purposes. Present book value, \$5,144.24.

#### ISRAEL FRANKLIN WHITALL FUND

Founded in 1896 by net legacy of \$9,667.83 from Israel Franklin Whitall. Present book value, \$10,781.94. The income only is used for the payment of professors or teachers.

#### JACOB P. JONES ENDOWMENT FUND

Founded in 1897 by residuary legacy of Jacob P. Jones. This amounted when received to par value of \$279,021.60; book value, \$332,301.60, and sundry real estate. The real estate has all been sold, netting \$847,709.92. Present book value, \$1,301,375.34. The income only is to be used for general college purposes, and out of said income there shall be admitted a portion at least of the students either free of charge or at reduced rates. In accordance with this provision, about \$7,500 per annum is used for scholarships, and the balance of income for general college purposes. Jacob P. Jones' will contains the following: "My hope is that under the blessing and favor of God there will come from this source a revenue which shall be productive of growth and vigor in the institution as well as help at this critical period of their lives to many deserving young men of slender patrimony."

## JOHN FARNUM BROWN FUND FOR THE STUDY OF THE BIBLE, BIBLICAL HISTORY AND LITERATURE, PHILOSOPHY, AND KINDRED SUBJECTS

Founded in 1900 by the late T. Wistar Brown as a memorial to his son, John Farnum Brown, '93. The original gift was in cash and securities of a par value of \$43,000, shortly afterwards increased by further gifts of \$15,000. The founder made further gifts of cash and securities until 1915, the total being \$19,381 cash and \$48,500 par of securities with book value of \$41,490. His total gifts therefore had a book value of \$234,970.81. Of this, \$5,000 donated in 1910 is for endowment of prizes in Biblical History and in Philosophy. A portion of the income was capitalized each year to keep intact the full value of the fund until 1940 when this fund was included in the Consolidation of funds. Present book value, \$275,899.76. The income only is to be used for the purpose of making provision for the regular study of the Bible and Biblical History and Literature, and as way opens for religious teaching. In 1910, the scope and title of the Fund were enlarged to include "and Philosophy and Kindred Subjects." Income up to \$200 may be used for prizes in Biblical Literature and Philosophy.

#### CLEMENTINE COPE ENDOWMENT FUND

Founded in 1904 by bequest of \$25,000 from Clementine Cope. There are no restrictions. The income is used for general college purposes. Present book value, \$21,493.67.

#### JOSEPH E. GILLINGHAM FUND

Founded in 1907 by bequest of \$50,000 from Joseph E. Gillingham. The testator said, "I request, but I do not direct, that part of the income of this legacy may be used for free scholarships for meritorious students." In accordance with this request, \$800 was until recently appropriated annually from the income for scholarships, the balance being used for general college purposes. Present book value, \$42,394.72.

#### 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."

#### IAMES R. MAGEE FUND

Founded in 1915 by bequest of \$10,000 from James R. Magee, '59, and added to in 1925, 1926, 1928, 1929, 1930, 1931, 1932, 1936, 1937, 1940, and 1944 by additional payments of \$29,182.84, \$1,694.84, \$499.31, \$499.68, \$488.85, \$207.33, \$400, \$250, \$100, \$449.89, \$175.00, 197.99 (1947-48) and \$7.40 (1948-49), under his legacy. Present book value, \$45,035.96. There are no restrictions except that the income only is to be used. This is applied to general college purposes.

#### ALBERT K. SMILEY FUND

Founded in 1915 by gift of \$1,000 from Daniel Smiley, '78, as a memorial to his brother, Albert K. Smiley, '49, and added to in 1924 and 1926. Present book value, \$1,500.00. There are no restrictions except that preference was expressed that the income only should be used. This is applied to general college purposes.

#### THE HINCHMAN ASTRONOMICAL FUND

Founded in 1917 by bequest of \$10,000 par value securities from Charles S. Hinchman. Increased in 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, and 1936 by donations of \$28,926.95 from a friend of the College. Present book value, \$39,515.48. The income only to be used "to increase the salary of the astronomical professorship so as to provide a suitable instructor in the ennobling study of the heavens."

#### WALTER D. AND EDITH M. L. SCULL FUND

Founded in 1918 by bequest of Walter D. Scull, whose death followed shortly after the death of his sister, Edith M. L. Scull. Each left his or her estate to the other, unless predeceased; in this latter case both American estates were left to Haverford College. Both were children of Gideon D. Scull, '43, and resided in England. Income accumulated before the receipt of the fund by the College amounted to \$16,887.66, of which \$15,078.51 was added to the

principal of the fund. Present book value, \$174,560.31. The fund was created to establish a professorship of modern English constitutional history, and the chair has been designated as the Walter D. and Edith M. L. Scull Professorship of History.

#### ALBIN GARRETT MEMORIAL FUND

Founded in 1919 by legacy of \$25,000 from Mary Hickman Garrett, in memory of her late husband, Albin Garret, '64. Present book value, \$26,771.00. There are no restrictions. The income is used for general college purposes.

#### ARNOLD CHASE SCATTERGOOD MEMORIAL FUND

Founded in 1919 by gift of \$30,000 in securities from Maria Chase Scattergood in memory of her son, Arnold Chase Scattergood, of the Class of 1919, who died in his Junior year. The income only is to be used toward the payment of professors' salaries. Present book value, \$24,381.59.

#### FRANCIS B. GUMMERE MEMORIAL FUND

Founded in 1920. This fund was started by a gift of \$25,000 from the late Miss Emily H. Bourne, of New York, conditional upon the raising of \$100,000 additional for an endowment of the Chair of English Literature in memory of her friend, Professor Francis Barton Gummere. A committee of alumni, consisting of J. Stogdell Stokes, '89, chairman; E. R. Tatnall, '07, treasurer; Hans Froelicher, '12, secretary; Charles J. Rhoads, '93; Alfred M. Collins, '97; Winthrop Sargent, Jr., '08, and Parker S. Williams, '94, working with President Comfort, organized a comprehensive campaign among the alumni and friends of the College to raise \$375,000 for this purpose and for increase of professors' salaries; the first \$100,000 of unspecified gifts was used to complete the Francis B. Gummere Memorial Fund to at least \$125,000, and the balance comprised the Isaac Sharpless Memorial Fund. Total, book value, \$125,569.51.

# ISAAC SHARPLESS MEMORIAL FUND

Founded in 1920. The alumni of the College conducted during 1920 a campaign for \$375,000 additional endowment for the College to make possible additional salaries to the professors. Appeal was made to found two new funds, the Francis B. Gummere Memorial Fund and the Isaac Sharpless Memorial Fund. The funds received, except where otherwise specified, were first applied to the completion of the former up to \$125,000 (see above). Specified gifts and donations thereafter received, were then applied to the Isaac Sharpless Memorial Fund. The income only is to be used for salaries of professors. Total book value, \$218,728.43.

## GENERAL EDUCATION BOARD FUND

The General Education Board of New York appropriated \$125,000 in 1920 to the campaign for increase of endowment when the Francis B. Gummere Memorial Fund and the Isaac Sharpless Memorial Fund, totaling \$375,000, were raised. Interest at five per cent was paid on the full sum for three years, and the \$125,000 in full payment was completed in 1926-1927. Total book value, \$126,076.83.

# HAVERFORD IMPROVEMENT FUND AND CONSOLIDATED CAMPUS HOUSES ACCOUNT

Founded in 1922 to hold the Corporation's undivided share in College Lane land and eight houses. This property was turned over to the Corporation free of debt on Third Month 17, 1922, and with same the then debt of the Corporation amounting to \$155,942.15 was liquidated. The fund started with an

undivided interest of \$19,000. There was added in 1922, \$9,000; and in 1925, \$2,000. In 1926, \$5,000 of this fund was sold and the proceeds were appropriated for the alterations to Roberts Hall. The balance of this fund, \$25,000, was also used in 1927 for the same purpose. The income was used for general college purposes.

The College Lane land was purchased in 1886 for the benefit of the College by David Scull, Justus C. Strawbridge, Richard Wood and Francis Stokes, Managers of the College and now all deceased. With contributions raised by them and by mortgages on which they went on the bonds, funds were raised to build six dwelling houses, and two houses were built by the Corporation itself. From the income of the houses the debt against the properties was gradually reduced until it was entirely liquidated in 1919. The net income from 1919 until 1922, when the property was turned over to the Corporation, was applied toward the reduction of the Corporation's debt.

As of Ninth Month 1, 1944, all of these eight College Lane houses, together with seven houses which had been bought for the College and formed a part of the College debt, and nine other Campus houses which were owned free of debt, were consolidated at a combined valuation of \$281,331.70 into a new Campus Houses Account held by Consolidated Investment Account. There have been additional investments in other College houses from time to time and the present book value is \$396,553.51. A return of 4% interest is to be credited to income to the College and 1½% is to be applied to the annual reduction of the investment.

## WILLIAM PENN FOUNDATION

Started in 1926 toward a fund of \$120,000 to establish a chair or lectureship in Political Science and International Relations. This fund forms a part of the Centenary program to raise \$1,000,000. This foundation is to be devoted, at the discretion of the Managers, to providing adequate undergraduate instruction in the theory and practice of our own and other governments, in the history of past attempts to secure international agreements and in the methods by which good international understanding may be promoted and maintained. Book value to date, \$102,067.43.

#### WALTER CARROLL BRINTON MEMORIAL FUND

Founded in 1920 by gift of \$5,000 by the family of Walter Carroll Brinton, Class of 1915, who died in France Twelfth Month 8, 1918, while engaged in Friends' Reconstruction Work. The fund sustained the Walter Carroll Brinton Scholarship until 1926-1927. It was then increased \$6,000 by further gifts of the founders, and at their request the purpose was changed from a scholarship fund to form a separately named fund of the William Penn Foundation, with its income to be used for the same objects. Present book value, \$14,125.79.

#### **CORPORATION FUND**

Founded in 1928 by setting aside \$70,000 of proceeds from sale of 5.811 acres of land on the southern boundary and at the southeastern corner of the College farm. In 1937, the fund was increased \$8,810, being proceeds of the sale of 1.762 acres of land to the Philadelphia Skating Club and Humane Society for their new ice skating rink. In 1951 the fund was increased by \$4,994.50, being proceeds of the sale of .284 acres of land to Philadelphia Electric Co. In 1953-54 the cost of renovation of Philips wing in the Library was taken from this fund (\$60,175.56). Present book value, \$25,128.94. The fund is invested and the income used for general college purposes, until otherwise directed by the Managers.

# ELIZABETH J. SHORTRIDGE FUND

Founded 12 Month 22, 1930, by bequest from Elizabeth J. Shortridge, without restrictions. Until otherwise directed by the Managers, the income only is used for general purposes. Present book value, \$10,000,00.

#### HOWARD COMFORT MEMORIAL FUND

Founded in 1934 by gift of \$1,000 from President William Wistar Comfort in memory of his father, Howard Comfort, Class of 1870, who was a Manager from 1880 until his death in 1912, and Secretary of the Board of Managers from 1884 until 1908.

The fund was added to by further gifts from the same donor of \$1,000 in 1935, \$1,000 in 1936, \$2,000 in 1937 and \$500 in 1949. The income only is to be used for general purposes. Present book value \$5,527.31.

#### 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, \$104,929.55.

#### ALBERT L. BAILY FUND

Founded in 1936 by an unrestricted bequest of \$5,000 from Albert L. Baily, '78. The income is used for general purposes. Present book value, \$5,000.00.

# ELIZABETH B. WISTAR WARNER FUND

Founded First Month 16, 1937, by unrestricted bequest of \$4,950 from Elizabeth B. Wistar Warner, of Germantown, widow of George M. Warner, '73. The income is used for general purposes. Present book value \$4,950.00.

# T. ALLEN HILLES BEQUEST

Founded First Month 19, 1937, by receipt of the proceeds of a trust fund created in 1935 by T. Allen Hilles, class of 1870, formerly of Wilmington, Delaware, recently of Glen Mills, Pa., who died 11th Month 15, 1935. The amount received in stocks and cash was \$285,000. Proceeds of mortgages of \$7,460.94 in 1938, and final cash from executor in 1939 of \$1,603.37 brought the gross total to \$294,064.31. From this was deducted in 1939 the final settlement of taxes and fees totalling \$13,300, thus making the final net bequest \$280,764.31. Accumulated income of \$12,489.77 was also received on First Month 19, 1937. In the trust created by the donor in 1935 he provided: "The gift to Haverford College shall constitute a fund to be known as 'The Hilles Bequest,' and the income shall be used for repair, upkeep and improvement of the building which I have given to Haverford College known as the Hilles Laboratory of Applied Science of Haverford College. My purpose in making this gift is primarily to relieve the Corporation of Haverford College from any additional expense on account of the erection of the building which I have given

them, and the accompanying expansion of its educational activities, but whenever and if the Board of Managers or other governing body of the College shall determine it to be for the best interest of the College to devote the whole or any part of the income of the fund to uses other than those above specified such income may be applied to such uses and in such manner as the Board of Managers or other governing body may in its absolute discretion determine." Present book value, \$280,764.31.

# LEONARD L. GREIF, JR., AND ROGER L. GREIF FUND

Founded Ninth Month 29, 1937, by gift of \$1,000 from Leonard L. Greif, '34, and Roger L. Greif, '37, of Baltimore. The gift was unrestricted, but the Managers have set aside this fund as endowment for general purposes, the income only to be used, until otherwise determined by them. Further gifts of \$1,000 from each of the above donors were made in 1947-1948. During 1949-1950 an additional gift of \$1,000.00 was received from Leonard L. Greif, Jr. Further gift was made in 1952-1953 of \$1,000.00 by Leonard L. Greif, Jr. Present book value, \$7,000.00.

#### EDWARD M. WISTAR FUND

Founded First Month 9, 1938, by gift of \$2,500 from Edward M. Wistar, '72, for endowment, the income only to be used for general purposes. Present book value, \$2,500.00.

#### MORRIS E. LEEDS FUND

Founded Sixth Month 26, 1941 by a gift of shares of Leeds & Northrup stock, this fund was added to by further gifts of that company's stock during the lifetime of Morris Leeds. Upon his death he bequeathed to the college three quarters of his entire residuary estate which bequest, like the gifts made in his life, was entirely without restrictions either as to principal or income.

The fund with a present book value of \$1,532,110.39 was ordered by the Managers until otherwise directed to be included among the fund for general purposes.

# 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, \$200.00 in 1949-50, \$1,000 in 1950-51 (through 1949 campaign) \$1,000 in 1951-52 (through 1949 campaign), \$1,000 in 1952-53 (through 1949 campaign), and \$6,800.00 in 1953-54 (through 1949 campaign).

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 Professo: 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.

#### GILBERT C. FRY FUND

Founded Fourth Month 2, 1948, by an unrestricted gift of \$1,000 U. S. Treasury Bond from Gilbert C. Fry, of Germantown, Philadelphia, Class of 1923, in remembrance of his 25th anniversary of graduation. A new fund was set up and until otherwise ordered by the Managers, the income only will be used for general purposes. Further gift of \$500.00 was made in 1949-50, \$1,000 was made in 1950-51 (through 1949 campaign), \$1,000 1951-52, and \$1,500 in 1952-53. Present book value \$5,000.00.

# DANIEL B. BOYER FUND

Founded Third Month 3, 1948, with an initial gift of \$2,500 in stock from Daniel B. Boyer, Boyertown, Pa., Class of 1911. The donor's letter states: "It is my desire that the income from the stock be allocated for faculty use. If present reduced College income is not sufficient to cover current faculty needs, the Board of Managers should not hesitate to sell the shares and apply the proceeds for that purpose." A new fund was set up, and until otherwise ordered by the Managers, the income only will be used for faculty salaries.

# MARRIOTT C. MORRIS FUND

Founded Ninth Month 1, 1948, by unrestricted bequest of \$10,000 from Marriott C. Morris, Class of 1885, of Germantown.

The fund is classified among unrestricted funds for General Purposes, and is included in Consolidated Investment Account. Book value, \$10,000.

## 1949 CAMPAIGN SALARY FUND

Founded Sept. 1, 1950 by a transfer of \$107,800.00 from the receipts of the 1949 Haverford Campaign for additional endowment.

The income is to be used to augment faculty salaries and for increasing, where necessary, the teaching staff to make possible the desired ratio between faculty and students.

Until otherwise ordered by the Board, 10% of the income is to be capitalized each year; provided that this shall not reduce the yield from the fund below 4%.

A portion of the Capital of this fund may be expanded at the discretion of the Board of Managers in accordance with the policy stated in the Campaign Appeal. Present book value, \$184,307.07.

# THE RUFUS M. JONES FUND FOR ADVANCEMENT OF TEACHING

Founded Sept. 1, 1950 by a transfer of \$235,000.00 from the receipts of the 1949 Hayerford Campaign for additional endowment.

The income is to be used to stimulate professional growth, encourage desirable research, make possible short-term absences for study or to render special service, and to raise professors' salaries.

Until otherwise ordered by the Board, 10% of the income is to be capitalized each year; provided that this shall not reduce the yield from the fund below 4%.

A portion of the Capital of this fund may be expended at the discretion of the Board of Managers in accordance with the policy stated in the Campaign Appeal. Present book value, \$366,421.52.

### WILLIAM PYLE PHILIPS FUND

Founded on the death of William Pyle Philips, class of 1902, of New York City, N. Y. on December 18, 1950 by the bequest of his entire residuary estate as an endowment fund in perpetuity, the principal is to be invested in such securities as the Board of Managers shall deem advisable "but at least % thereof to be invested in diversified common stocks."

The income is "to be applied from time to time to such purposes as said Board of Managers in their discretion shall deem advisable, provided, however, that approximately one-half (½) of such income be applied to one or more of the following purposes:

"(a) Purchase for the Treasure Room of the College Library of rare books which the College would not otherwise buy and comparable with the books mentioned in *Article Third* hereof;

"(b) Bringing to the College distinguished scientists or statesmen for a lecture or series of lectures, for courses of instruction, for seminars, for research or for other academic purposes; and

"(c) Subscription to important learned periodicals, domestic and foreign, of the various humanities and sciences, purchases of back numbers of such periodicals and binding of the same for permanent preservation in the College Library." Present book value, \$2,067,929.67.

# WILLIAM B. BELL FUND

Founded in Ninth Month 1951 by partial distribution of \$19,444.44 on account of an unrestricted bequest to the College of William B. Bell, Class of 1900, of New York, and in 1953-54 a final distribution of \$14,436.47.

The fund is to be used for General Purposes and is included in Consolidated Investments Account. Present book value is \$36,178,02.

#### DR. THOMAS WISTAR FUND

Founded in 1952, upon the termination of a Trust by the bequest of the residuary estate of Dr. Thomas Wistar, class of 1858, the funds are to be kept invested and the net income used for such purposes either general or special as the Managers of said College may direct. Present book value is \$25,068.15.

#### THE CHARLES McCAUL FUND

Founded in 1953 by a bequest of 1/8th of the residuary estate of Mary N. Weatherly. The fund is to be known as The Charles McCaul Fund, in memory of her step-father. The income only shall be spent.

The use of the fund is unrestricted but it is the hope of the Testatrix that some portion of the income may be used to provide one or more scholarships, and that the rest of the income may be used to provide sound and conservative instruction in the Social Sciences.

It is my preference that such scholarships be awarded to students who show especial interest in the field of religion and the Social Sciences, but I do not specifically limit the use of the Fund, having confidence in Haverford College to teach high ideals." The present book value of this Fund is \$37,187.20.

# ISAAC & LYDIA COPE SHARPLESS FUND

Founded in 1953 by bequest of \$5,000.00 from Lydia Cope Sharpless, who died Sept. 23, 1952, "in memory of my husband, Isaac Sharpless." The fund is without restriction, and has a present book value of \$5,000.00.

## CLASS OF 1937 FUND

Founded Fifth Month 16, 1955 by a gift of \$4,500 from Margaret A. Lester and John A. Lester '96, in appreciation of the benefits rendered to their son, John A. Lester, Jr. '37.

The fund is unrestricted as to principal and income, but an annuity is payable at the rate earned by the Consolidated Funds.

# I. HORACE COOK FUND

"Founded in 1955 by a bequest under the will of J. Horace Cook, Class of 1881, who died March 25, 1939, this bequest became effective on the death of Mary Fuller Cook, his widow. This Fund is "to be kept . . . and the income to be used for the needs of the College as it shall see fit, but preferably for a scholarship one to be awarded each year so there will be a student in each class receiving his tuition from this fund." "Ten per cent of the net income for each and every year shall be added to principal of this Fund." Present book value, \$122,741.50.

#### THE FORD FOUNDATION ENDOWMENT FUND

The Ford Foundation made on July 1st, 1956, the first of two payments of

an Endowment Grant in the amount of \$170,000.

In accordance with the terms of the gift "Until July 1, 1966, the principal of the grant shall be held by the grantee institution only as endowment, and the income from such grant shall be used only to increase faculty salaries. After July 1, 1966, principal and income of the grant may be used for any educational purposes of the institution.

#### THE FORD FOUNDATION ACCOMPLISHMENT FUND

The Ford Foundation also made on July 1st, 1956, the first of two payments of an Accomplishment Grant in the amount of \$95,000. This grant was made in recognition of the fact the college had, with certain other institutions to whom similar grants were made, taken the lead in their regions in improving the status and compensation of American College Teachers.

"The purpose of the grant shall be to advance the academic program of the grantee institution either by increases in faculty salaries or by meeting other pressing academic needs. The grant may be spent in whole or in part, from

time to time, as the grantee institution may determine.

# FUND FOR GRADUATE SCHOOL MOSES BROWN FUND

A trust founded by T. Wistar Brown, in 1906, as a memorial to his father, Moses Brown. Transferred to the College in 1916 after his death, having at that time a par value of \$372,821.91 and book value of \$318,823.56. Present book value, \$379,768.66. 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 éducation under the care of Friends, located

at Wallingford, Pa.

# FUNDS FOR INFIRMARY INFIRMARY ENDOWMENT FUND

Founded in 1911 from subscriptions totaling \$9,072.55, raised among alumni and friends of the College. The income is used toward the expenses of the Morris Infirmary. Present book value, \$9,653.44.

# JOHN W. PINKHAM FUND

Founded in 1911 by legacy of \$5,000 from Dr. John W. Pinkham, '60, being transmitted by gift from his widow, Cornelia F. Pinkham. There are no binding conditions, but as she expressed an interest in the Morris Infirmary, then building, the Board of Managers directed that the income of this fund should be used in the support and maintenance of the Infirmary. Present book value, \$5,059.50.

# FUND FOR HAVERFORD UNION HAVERFORD UNION FUND

Founded in 1920 by gift from the former Haverford Union Members of \$1,000 par value of bond at book value of \$800 and \$678.59 cash, and all the personal property in the Union from the Haverford College Union. The College assumed the responsibility for the care of the building First Month 16, 1920. The income is used toward the maintenance of the Union building. Present book value, \$1,878.82.

# FUNDS FOR SCHOLARSHIPS THOMAS P. COPE FUND

Founded in 1842 by gift of sixty shares of Lehigh Coal and Navigation Co. stock, par value \$3,000, from Thomas P. Cope. Present book value, \$5,257.82. The income only is to be used "for the education of young men to quality them to become teachers, but who are not of ability to pay their own schooling." This fund sustains the Thomas P. Cope Scholarships.

#### EDWARD YARNALL FUND

Founded in 1860 by bequest of \$5,000 from Edward Yarnall. Present book value, \$6,069.23. The income only is to be used for "the support of free scholarships." The fund sustains the Edward Yarnall Scholarships.

# ISAIAH V. WILLIAMSON FUND

Founded in 1876 and increased in 1883 by gifts of sundry ground rents from Isaiah V. Williamson. Present book value, \$19,817.40. The income only is to be used for free scholarships. The fund sustains the Isaiah V. Williamson Scholarships.

# RICHARD T. JONES SCHOLARSHIP FUND

Founded in 1885 by bequest of \$5,000 from Jacob P. Jones as a memorial to his late son, Richard T. Jones, '63. The income only to be used to sustain the "Richard T. Jones Scholarship." Present book value, \$5,056.25.

## MARY M. JOHNSON SCHOLARSHIP FUND

Founded in 1897 by bequest of \$5,000 from Mary M. Johnson. Accrued interest before payment to the College increased the fund by \$3,062.95. The bequest was to establish a "perpetual scholarship." The fund sustains the Mary M. Johnson Scholarships. Present book value, \$7,013.61.

# SARAH MARSHALL SCHOLARSHIP FUND

Founded in 1897 by bequest of \$5,000 from Sarah Marshall. Accrued interest before payment to the College increased the fund by \$2,589.49. The bequest was to establish a "perpetual scholarship." The fund sustains the Sarah Marshall Scholarships. Present book value, \$7,919.76.

#### CLEMENTINE COPE FELLOWSHIP FUND

Founded in 1899 by gift of \$25,000 from Clementine Cope. The gift was to establish the "Clementine Cope Fellowship Fund to assist worthy and promising graduates of Haverford College in continuing their course of study at Haverford or at some other institution of learning in this country or abroad." The selection of the Fellows is made by the Board of Managers upon nomination by the Faculty. Present book value, \$22,845.86.

## ISAAC THORNE JOHNSON SCHOLARSHIP FUND

Founded in 1916 by gift of \$5,000 from Isaac Thorne Johnson, '81. Present book value, \$9,725.64. The gift was to establish "The Isaac Thorne Johnson Scholarship to aid and assist worthy young men of Wilmington Yearly Meeting or of the Central West to enjoy the privileges of Haverford College." Unused income is added to the principal of the fund.

#### CASPAR WISTAR MEMORIAL SCHOLARSHIP FUND

Founded in 1920 by gift of Edward M. and Margaret C. Wistar of \$5,000 par value in bonds in memory of their son, Casper Wistar, of the Class of 1902, who died in Guatemala in 1917 while engaged in mission service in that country. The income only is to be used for scholarships, primarily for sons of parents engaged in Christian service, including secretaries of Young Men's Christian Associations, or students desiring preparation for similar service in America or other countries. Present book value, \$6.951.21.

# J. KENNEDY MOORHOUSE SCHOLARSHIP FUND

Founded in 1926 by gifts totaling \$3,000, with \$1,000 added in 1926, and \$1,000 in 1928 and \$1,000 in 1929 from the Class of 1900 in memory of their classmate, J. Kennedy Moorhouse. The scholarship provided by this fund is "to be awarded, whenever a vacancy shall occur, to the boy ready to enter the Freshman class, who in the judgment of the President of the College appears best fitted to uphold at Haverford the standard of character and conduct typified by J. Kennedy Moorhouse, 1900, as known to his classmates: A man, modest, loyal, courageous, reverent without sanctimony; a lover of hard play and honest work; a leader in clean and joyous living." Present book value, \$5,155.85.

# LOUIS JAQUETTE PALMER SCHOLARSHIP FUND

Founded in 1928 by gift of \$5,000 from Triangle Society, as follows:

"The Triangle Society of Haverford College herewith presents to the Corporation of Haverford College, a fund of Five Thousand Dollars (\$5,000) to be hereafter known and designated as the 'Louis Jaquette Palmer Scholar-

ship Fund';

"This fund represents contributions from the members of the Triangle Society of Haverford College who have been thus inspired to perpetuate the memory of their fellow member, Louis Jaquette Palmer, of the Class of 1894, one of the founders of the Triangle Society, whom they admired for his cooperative spirit and constructive interest in student and community welfare. The fund is placed with the Corporation of Haverford College with the understanding:

"That such student shall be selected from a list of those eligible for entrance to Haverford College, who shall have combined in his qualifications the fulfillment of such conditions as apply to applicants for the Rhodes Scholarships under the terms of its creation, and furthermore that the student so selected and entered in Haverford College may continue to receive said scholarship fund throughout his course at College, subject to the approval of the Committee, otherwise preference shall be given to applications for

the Freshman Class:

"That the selection of said student and the determination of the qualities and conditions hereinbefore mentioned shall be subject to the decision and control of a committee of three (3), which committee shall be composed of two (2) members of the Triangle Society and the President of Haverford College, the said members of the Triangle Society to select and recommend the applicants and the committee as a whole to determine their qualifications and eligibility.

"Finally, in the event that no student is selected by the Triangle Society or that a vacancy occurs, the income from said funds and any additions shall accumulate as provided under the customary rules and regulations of the

Corporation of Havorford College."

In 1950 there was added to this fund the proceeds of ten life insurance policies formerly held in the Triangle Society Endowment Fund amounting to \$2,954.18 plus the balance of \$500 in that Fund and four additional contributions of \$543.01, \$222.00, \$1,000. and \$330 by members of the Society, making the present book value of this Fund \$11,549.19.

#### PAUL W. NEWHALL MEMORIAL SCHOLARSHIP FUND

Established in 1931 by bequest of \$5,045.60 from Mary Newhall in memory of her father, Paul W. Newhall, a Manager, 1844-48, for the establishment of a scholarship fund. The income only to be used for free scholarship purposes. Present book value, \$5,045.60.

#### ROBERT MARTIN ZUCKERT MEMORIAL SCHOLARSHIP FUND

Founded in 1935 by gift of \$750. \$2,000 each year, 1936 to 1940, and in 1942; \$2,500 in 1941; \$1,000 in 1943; \$1,000 in 1944; \$2,000 in 1945; \$2,000 in 1947-1948, \$1,000 in 1949-1950, by Harry M. Zuckert, New York, in memory of his son, Robert Martin Zuckert, of the Class of 1936, who was killed in an accident in June, 1935. The income is to be used for scholarship and the donor said, "I should prefer a boy who is a native of New York or Connecticut and who now resides in one of those States." Present book value, \$22,250.00.

# SAMUEL E. HILLES ENDOWMENT CREATED BY MINA COLBURN HILLES

Founded in 1935 by gift of \$5,000 from Mrs. Mina Colburn Hilles, of Orlando, Fla., in memory of her husband, Samuel E. Hilles, Class of 1874, formerly of Cincinnati, who died in 1931. This fund was created under a trust deed with Central Title and Trust Co., Orlando, Fla., to whom annual reports are to be made. The income only is to be used for scholarships for worthy students who are unable to finance their expenses at Haverford College. Present book value, \$5,017.31.

## CLASS OF 1913 SCHOLARSHIP FUND

Founded Fourth Month 15, 1937, by gift of \$3,000 from Class of 1913 for the endowment of scholarship aid. The income only is to be used for scholarship aid, to be awarded annually to a worthy student of any undergraduate class. Preference is to be given to sons of members of the Class of 1913 who may apply and who meet the usual requirements of the College. Present book value, \$3,000.00.

## THE AUGUSTUS TABER MURRAY RESEARCH SCHOLARSHIP FUND

Founded Fifth Month 31, 1939, by gift from two anonymous friends of Dr. Augustus Taber Murray, '85, by gifts of \$20,000 par value of securities subject to annuity during their lives, and with permission to use principal for the

annuity payments, if necessary.

Upon the deaths of the two annuitants, the remaining principal shall be held in a fund, the "Income to be used for scholarships in recognition of the scholarly attainments of Augustus Taber Murray, a distinguished Alumnus of Haverford College, of the Class of 1885, and for many years a professor of Leland Stanford University, the fund to be known as 'The Augustus Taber Murray Research Scholarship.' Then scholarships in English literature or philology, the classics, German literature or philology (in order of preference) shall be awarded upon such terms and conditions as the College may from time to time establish to students who have received the bachelor's degree at Haverford College, and shall be awarded for the purpose of study in other institutions toward the degree of Doctor of Philosophy or such degree as may in the future correspond to that degree."

The amount of the Scholarship is to be \$900 a year whenever awarded, and only unmarried students are eligible to hold it. Present book value, \$23,904.78.

# THE CLASS OF 1917 SCHOLARSHIP FUND

Founded Seventh Month 13, 1942, by initial gift of \$2,000.00 from the Class of 1917, John W. Spaeth, Jr., Treasurer, as a Twenty-fifth Anniversary Gift. A further gift of \$250.00 was made at the same time to cover the first two years of a scholarship of \$125.00 per year. Preference is to be given to a son of a member of the Class of 1917. The income only is to be used for a scholarship to the extent of \$150.00 per annum. This was increased to \$200.00 per annum in 1947-1948. Further contributions from the members of the Class of 1917 are to be applied in the following order:

- (1)—To supplement the annual income from the principal sum of \$2,000.00, so that the annual scholarship stipend shall be \$150.00 (increased to \$200 in 1947-48, increased to \$300 in 1949-50, increased to \$500 in 1952-53), 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 1946-47; \$985 in 1947-1948; \$250 in 1948-1949; \$450 in 1949-1950; \$670 in 1950-51; \$705 in 1951-52; \$405 in 1952-1953; \$725.00 in 1953-54; \$395.00 in 1954-55; and \$865.00 in 1955-56. Present book value, \$10,221.08.

#### DANIEL B. SMITH FUND

Founded Tenth Month 6, 1943, by gift of \$2,500 from Anna Wharton Wood, of Waltham, Mass., who died in 1944. This was increased Fifth Month 24, 1945 by a bequest of \$2,500 made by Miss Esther Morton Smith, of Germantown, Philadelphia, who died Third Month 18, 1942.

This fund is established by the granddaughters of Daniel B. Smith "in loving memory of their grandfather and his intimate association with the early years of the College."

The income is to be used, in the discretion of the Faculty as an annual scholarship for some young man needing financial aid in his College course. Preference is to be given to a descendant of their father, Benjamin R. Smith, if any such should apply. Present book value, \$5,000.00

#### SARAH TATUM HILLES MEMORIAL SCHOLARSHIP FUND

Founded Eleventh Month 1, 1943 by bequest of \$75,534.58 from Joseph T. Hilles 1888, in memory of his mother "Sarah Tatum Hilles."

The will directs that the income be used "to provide for such number of annual scholarships of \$250 each as such income shall be sufficient to create"; they are to be awarded by the Managers upon "needy and deserving students," and to be known as "Sarah Tatum Hilles Memorial Scholarships."

It is estimated that twelve scholars can be thus provided for at present.

Present book value \$75,534.58.

# ELIHU GRANT MEMORIAL SCHOLARSHIP FUND

Established Second Month 2, 1944 by gift of \$200 from Mrs. Elihu Grant to supplement the simultaneous transfer of \$803.73 to this new fund from Donations Account, being the balance of Donations made by Dr. Grant during his lifetime to the Beth Shemesh account, and \$75.00 realized from the sale of some of his books. Mrs. Grant has made a further gift of \$1,000 in 1943-44 and \$2,000 in 1944-45. And, Grant Foundation, Inc., gave \$10,000, also in 1944-45. Mrs. Grant made a further gift of \$1,000 in 1945-46. In 1949-1950 in connection with the Campaign, the Grant Foundation made a further gift to the College of \$25,000, to be added to this fund. Present book value, \$40,275.01.

With the donor's approval, the terms of the fund are as follows:

"Founded in 1944 to commemorate the service to Haverford College of Dr. Elihu Grant, from 1917 to 1938, a member of the College faculty. The income from this fund is applied to scholarship assistance to students in the Humanities, primarily those specializing in the study of Biblical Literature and Oriental subjects, and is limited to those whose major subject has been approved by the College faculty. In special circumstances the income may be utilized to assist those working for a post-graduate degree at Haverford College." If conditions change, the Managers are given power to change the use of the fund. In making the additional grant in 1949-50, the Foundation stated that "the income from this present gift may be allocated as scholarship or fellowship awards by the proper authorities of the College to under graduate or graduate students without restriction as to courses of studies." Present book value, \$40,275.01.

#### CHRISTIAN FEBIGER MEMORIAL SCHOLARSHIP FUND

Founded Sixth Month 13, 1946 by a gift of \$8,000 from Madeleine Seabury Febiger, of Philadelphia, in memory of her husband, Christian Febiger, Class of 1900.

On Third Month 18, 1949 a bequest of \$9,050 was received from the executors of Mrs. Madeleine Seabury Febiger, who died September 27, 1947, and was added to this fund.

The income only is to be used in paying the tuition or other college expenses of worthy, needy students at Haverford College. Present book value, \$17,050.

#### JOSEPH L. MARKLEY MEMORIAL SCHOLARSHIP FUND

Founded 2nd Month 10, 1947 by gift of \$5,000.00 from Mrs. Mary E. B. Markley of Ann Arbor, Michigan, widow of Joseph L. Markley, A.B. '85, M.A. '86, who was Professor of Mathematics at University of Michigan. The gift was made "to be held as an endowment fund in memory of Joseph L. Markley of the Class of 1885. The income of which is to be granted each year, in the discretion of the faculty, as a scholarship to some student on the basis of character, scholarship and financial need."

#### JOSEPH C. AND ANNE N. BIRDSALL SCHOLARSHIP FUND

Founded 2nd Month 24, 1947 by initial gift of \$10,000 from Dr. Joseph C. Birdsall, Class of 1907, of Haverford, Pa., "for the establishment of a new fund to be known as "Joseph C. and Anne N. Birdsall Scholarship Fund, the income only to be granted each year, in the discretion of the faculty of Haverford College, as scholarship aid to some student or students of Haverford College who are preparing for medicine,—the selection to be upon the basis of character, scholarship and financial need." Further gifts 1947-48, \$5,000; 1948-49, \$5,000; 1949-50, \$5,000. Present book value, \$25,000.

# DANIEL E. DAVIS, JR., MEMORIAL SCHOLARSHIP FUND

Founded by gifts made First Month 20 and Second Month 17, 1948, totalling \$3,000, by Mr. and Mrs. Daniel E. Davis, of Sewickley, Pa., to establish the Daniel E. Davis, Jr., Memorial Scholarship Fund, in memory of their son, ex Class of 1944, who was killed in aerial warfare in the Pacific.

The income from the fund is to be granted each year, in the discretion of the Faculty, as a scholarship to some student on the basis of character, scholar-

ship and financial need.

# JONATHAN M. STEERE SCHOLARSHIP FUND

Founded Twelfth Month 28, 1948 by gift of \$2,300 from Jonathan M. Steere, Class of 1890. Classified among the Scholarship Funds and included in Consolidated Investment Account.

The donor's provisions governing the use of the fund are as follows: "With this stock, or its proceeds, I wish to establish a fund for a scholarship primarily for a graduate of Moses Brown School, Providence, R. I., now under the care of New England Yearly Meeting of Friends. Should the scholarship not be awarded in any one year to a graduate of Moses Brown School, it may be awarded to someone else, preferably from New England, in the discretion of the College. If advisable, it may be given to more than one boy in any year. My preference is that it be awarded to a member of the Society of Friends, but I do not so restrict it. Should the time come when, for any reason, scholarships may not be needed or desirable, having full confidence in the Management of the College, I wish that both the principal and the income be used as the College in its sole discretion shall determine.

"I suggest that at the College it be known as the 'Moses Brown School Scholarship', and at the School as the 'Haverford Scholarship'." A further gift of \$4,985.00 was made in 1949-50 and \$2,715 in 1950-51 (through 1949 campaign). Present book value, \$10,000.

# WILLIAM GRAHAM TYLER MEMORIAL SCHOLARSHIP FUND

Founded Tenth Month 1949 by gift of \$15,000 from Miss Mary Graham Tyler in memory of her father, William Graham Tyler, Class of 1858. Formerly of Philadelphia, William Graham Tyler took an active part in civic improvement in New Jersey and in Iowa, and was concerned with the advancement of Friends Education at both William Penn College and Haverford College.

The income from the fund is to be granted each year, in the discretion of the College, as scholarship aid to some student or students on the basis of character, scholarship, and financial need. Preference is to be given to students from Oskaloosa, Iowa, or William Penn College in that state.

#### 1890 MEMORIAL SCHOLARSHIP FUND

Founded in March 1950 by a gift of \$2500 from Andrew L. Lewis of Worcester, Pennsylvania, in memory of his father, John F. T. Lewis, of Class of 1890, "and in recognition of his father's friendship with the members of his class."

The income from this fund is to be awarded as a scholarship by the College to a deserving student. Since in the beginning the income from this fund will not be large enough to furnish an entire scholarship, it may be used in conjunction with some other scholarship to insure aid of material size, Increased by \$100 in 1951-52 and \$100 in 1952-53. Present book value, \$2,700.

#### 1949 CAMPAIGN SCHOLARSHIP FUND

Founded Sept. 1, 1950 by a transfer of \$38,610.00 from the receipts of the 1949 Haverford Campaign for additional endowment.

The income is to be used to increase funds available for scholarships, in order to maintain the quality and increase the diversity of the student body and to carry on the tradition that personal merit rather than ability to pay is the primary entrance qualification.

Until otherwise ordered by the Board, 10% of the income is to be capitalized each year; provided that this shall not reduce the yield from the fund below 4%.

A portion of the Capital of this fund may be expended at the discretion of the Board of Managers in accordance with the policy stated in the Campaign Appeal. Present book value, \$48,024.43.

#### MAX LEUCHTER SCHOLARSHIP FUND

The plan for this fund was evolved during the life of Max Leuchter, who died in 1949, and carried out upon his death by his wife Cecila P. Leuchter and his sons, Ben Z. Leuchter and Joel C. Leuchter. Self educated after completion of grade school, becoming editor and publisher of the Vineland Times Journal, Max Leuchter wished to benefit the College to which he sent his son, and which he had come to greatly admire.

The purpose of the donors in making this gift in 1950 of \$10,000.00 was to "create a scholarship which shall be given yearly to a student whose need can be demonstrated, whose academic performance meets the College requirements, and who, in addition, gives promise of making an outstanding contribution to the life of the College through his breadth of interest, his love of hard

play and of hard work."

The scholarship shall be in the amount of \$300.00 in the beginning. It may be given to a new student each year or to one student through each of his four years. All income received above \$300.00 shall be capitalized each year.

"When the income from the fund has reached proportions such that an additional scholarship of \$300.00 can be awarded, and that at the same time at least \$300.00 can be returned to the fund, the additional award shall then be made."

"It is the further wish of the donors that, while their interests are primarily as stated above, should the Board of Managers of the College be faced with circumstances which cannot be foreseen now, the Board may, at its discretion, use the income from the fund for College purposes other than the scholarship purposes." The present book value is \$12,519.04.

#### A. CLEMENT WILD SCHOLARSHIP FUND

Founded in 1951 by a first gift of \$4,087.50 of Gertrude T. Wild in memory of her husband, A. Clement Wild, of the class of 1899. The income from the fund is to be used for a scholarship or scholarships, to be granted without

restrictions in the discretion of the College.

In making the gift the donor, though reiterating the freedom from restrictions, expressed the feeling that as A. Clement Wild was born in England, becoming a naturalized American Citizen, a grant to an English Exchange Student or someone in a similar category would be appropriate. Increased by \$4,625.00 in 1951-52; \$4,300.00 in 1952-53; in 1953-54 \$4,100.00; in 1954-55 \$5,300.00; and in 1955-56 \$2,587.50. The present book value is \$25,000.

CLASS OF 1904 SCHOLARSHIP FUND

Founded June 4th, 1954 in commemoration of its fiftieth anniversary by the Class of 1904 and the families of its deceased members, the Fund is to be used for scholarship purposes and has a present book value of \$6,000.

#### CAROLINE CHASE SCHOLARSHIP FUND

Founded December 10, 1951 by payment on a bequest of part of the residue of the estate of Caroline Chase, daughter of Thomas Chase, one time president of the College, of Providence, Rhode Island, whose Will provided:

"This gift is made as an expression of my father's enthusiastic appreciation for its high standards of scholarship in Greek, Latin and English literature.

"It is my intention that the said share given to said Haverford College shall be used for any of the educational purposes of said College according to the discretion of the President of the time being."

Present book value of the fund is \$6,245.11.

## ROY THURLBY GRIFFITH MEMORIAL FUND

Founded in 1953 by a legacy of \$5,000.00 from Grace H. Griffith, who died April 14, 1952, in memory of Roy Thurlby Griffith, class 1919. "The income therefrom to be used for a scholarship or scholarships for such individual or

individuals as in the judgment of the Trustees of said College shall be deserving of the same. The Trustees of said College shall have full power and discretion to determine the number of scholarships, the amount of such scholarships, and the recipients of the same, but it is my desire that wherever possible preference shall be given to boys who have no father and who are in need of financial assistance." Present book value \$5,000.

#### INAZO NITOBE SCHOLARSHIP FUND

"Founded in 11th Month 1955 by a bequest of \$10,000 under the will of Anna H. Chace of Providence, R.I. The fund became payable upon the death

of her sister Elizabeth M. Chace.

"The income, or so much thereof as said College may deem best, (is) to be used and applied for the education at said Haverford College of a Japanese student who shall be a resident of Japan at the time of his appointment to such scholarship and for his traveling expenses from and to Japan and his living expenses during the period he shall hold such scholarship." Present book value, \$10,000.

#### THE SUMMERFIELD FOUNDATION SCHOLARSHIP FUND

Founded February 1956, by a gift of \$1,000 from The Summerfield Foundation, this fund is to be added to the Endowment of the College; the income is to be used for scholarship purposes. Present book value, \$1,000.

# FUNDS FOR THE LIBRARY ALUMNI LIBRARY FUND

Founded in 1863 by contributions from the alumni and other friends of the College. In 1909 the unexpended balance (about \$5,000) of a fund of \$10,000 raised in 1892, and known as the "New Library Fund," was merged into the Alumni Library Fund. Present book value, \$17,435.06. The income is used for binding and miscellaneous expenses of the Library.

#### MARY FARNUM BROWN LIBRARY FUND

Founded in 1892 by gift of \$20,000 from T. Wistar Brown, executor of the Estate of Mary Farnum Brown. Additions were made by T. Wistar Brown in 1894, \$10,000 for a lecture fund, and in 1913, \$20,000. In 1916, after T. Wistar Brown's death, there was added to this fund \$34,499.78 par value of securities, book value, \$30.149.78, being a trust which he had created for this purpose in 1908 and to which he had made additions in subsequent years. Present book value, \$68,108.90. The purpose of this fund (except \$10,000) is for the increase and extension of the Library. The income only is to be used for the purchase of books, and one-fifth of same is to be spent for books promoting the increase of Christian knowledge. The books purchased with the income of this fund are marked by a special book-plate. The income of \$10,000 of the fund is to provide for an annual course of lectures upon Biblical subjects designated "The Haverford Library Lectures." Unused income from the fund, if any, must be capitalized at the end of each fiscal year.

# WILLIAM H. JENKS LIBRARY FUND

Founded in 1910 by gift of \$5,000 from Hannah M. Jenks, widow of William H. Jenks. The fund was first known as "Special Library Fund," but after the death of Hannah M. Jenks was changed, in 1916, to "William H. Jenks Library Fund." The purpose of this fund is that the income shall be used for the care of the collection of Friends' books made by William H. Jenks and given by his widow to Haverford College, and to make appropriate additions thereto. Any income not used for these purposes may be used toward the general needs of the Library. Present book value, \$5,000.00.

#### MARY WISTAR BROWN WILLIAMS LIBRARY FUND

Founded in 1914 by gift of \$20,000 from Parker S. Williams, '94, as a memorial to his late wife, Mary Wistar Brown Williams. The income only is to be used for the purchase of books for the Library, preferably books coming within the classes of history, poetry, art, and English and French literature. The books purchased with the income of this fund are marked by a special book-plate.

## ANNA YARNALL FUND

Founded in 1916 by residuary bequest of \$13,000 par value of securities with book value of \$7,110, and one-half interest in suburban real estate from Anna Yarnall. Additional amount under bequest was received in 1918. Present book value, \$173,078.14. The real estate was sold in 1923 and netted the College \$164,820.50. The bequest was made for the general use of the Library. The Testatrix says, "I do not wish to restrict the managers as to the particular application of this fund, but desire them to use the income arising from it as in their best judgment and discretion shall seem best, for the purchase of books and manuscripts, book cases, rebinding of books, and, if need be, the principal or portions thereof, or the income or portions thereof, for additions to the pres-

ent Library building, or the erection of new Library buildings. I direct that all books purchased with this fund shall be plainly marked 'Charles Yarnall Memorial' in memory of my father, Charles Yarnall."

# F. B. GUMMERE LIBRARY FUND

Founded in 1920 by gift of \$635.41, raised among the students by the Students, Association of the College as a memorial to Professor Francis Barton Gummere. The income only is to be used to buy for the Haverford College Library books on the subjects that he taught or was interested in.

The student's Association voted to raise twenty-five dollars for a special shelf in the Library to be known as the "F. B. Gummere Memorial Shelf." This shelf, with its proper inscription, holds the books purchased by this fund.

Present book value, \$635.47.

# EDMUND MORRIS FERGUSSON, JR., CLASS OF 1920 MEMORIAL FUND

Founded in 1920 by memorial gift of \$1,000 from the family of Edmund Morris Fergusson, Jr., Class of 1920, who died at the College in his Senior year. The income only is to be used for the maintenance and increase of the Library's Department of English and American Literature. The books purchased with the income of this fund are marked by a special book-plate indicating its source. Present book value, \$1,002.34.

#### **CLASS OF 1888 LIBRARY FUND**

Founded Sixth Month 15, 1938, by gifts totaling \$5,250 from members and families of the Class of 1888, on the occasion of their fiftieth anniversary. The conditions of the gift are as follows:

- (1) A fund is to be established, to be known as "THE CLASS OF 1888 LIBRARY FUND."
- (2) The income only of this fund is to be used exclusively for the purchase of books for the Haverford College Library, except as noted below (in Clause 6).
- (3) The fund established now will be added to later by gift or bequest.
- (4) Members of the Class also expect to donate books to the Library, with the understanding that when such books are duplicates of books already in the Library, they may be exchanged for books needed, or sold, and the money so obtained used in the same way as the income of the fund.
- (5) All books purchased by the income of the fund (or obtained as in 4) are to be provided with a special book-plate to be furnished by the Class.
- (6) Income from the Class Fund or moneys obtained by sale of duplicate books may, when necessary, be used for binding or repair of books designated as belonging to the Class collection. Additional donations were made as follows: \$500 in 1939-40; \$100 in 1943-44; \$500 in 1944-45 and \$200 in 1945-46: Present book value, \$6,550.00.

#### CLASS OF 1918 LIBRARY FUND

Founded Third Month 24, 1938 by gift from the Class of 1918 in commemoration of their twentieth anniversary. The gift was \$1,753.52 of which \$500 was spent for a portrait of the late Rayner W. Kelsey, Professor of History, who died Tenth Month 29, 1934; and the balance of \$1,253.52 was used in establishing a new Library Fund, the income to be used for books. Present book value, \$1,253.52.

#### **OUAKERIANA FUND**

Founded 1st Month 8, 1947, by gift of \$600 from President Emeritus William Wistar Comfort '94, as explained in letter from him as follows: "In 1940 some Alumni gave me a sum of money to buy books for myself. This I have done, and now there remains \$600 which I wish to make over to the Corporation, the interest of which may provide books or manuscripts for the Quaker collections. As a compliment to the donors of the fund, I should like the enclosed bookplate to be inserted in such future purchases."

# MOHONK FUND FOR THE RUFUS JONES COLLECTION OF MYSTICISM

Founded Third Month 21, 1949 by gifts totaling \$1,500 from members of the

Albert K. Smiley family of Mohonk Lake, N. Y.

The gift was made "to make possible additions to the Rufus Jones Collection on Mysticism in the College Library," with the further provision that "it may be used at the discretion of Haverford College, if the purpose for which it is intended should no longer be applicable or desirable.

The fund is classified among Library Funds, and is included in Consolidated

Investment Account. Book value, \$1,500.

# RUFUS M. IONES BOOK FUND

Founded Seventh Month 11, 1949 from bequest of \$5,000 through a deed of Trust established by Rufus M. Jones during his life, "the income only to be used-for the purchase of books on Mysticism, to be added to the Collection of books on that subject," which he turned over to the College a few years before his death.

The fund is designated as the Rufus M. Jones Book Fund, is classified among Library Funds, and is included in Consolidated Investment Account. Book value, \$5,000.

## 1949 CAMPAIGN LIBRARY FUND

Founded Sept. 1, 1950 by a transfer of \$22,100. from the receipts of the 1949 Haverford Campaign for additional endowment.

The income is to be used to increase funds with which to buy books, and thus maintain the excellence of the Library.

Until otherwise ordered by the Board, 10% of the income is to be capitalized each year; provided that this shall not reduce the yield from the fund below 4%.

A portion of the Capital of this Fund may be expended at the discretion of the Board of Managers in accordance with the policy stated in the Campaign Appeal. Present book value, \$35,874.62.

#### FUNDS FOR PENSIONS

#### PRESIDENT SHARPLESS FUND

Founded in 1907 by contributions from interested friends of the College, finally amounting to \$40,000. Present book value, \$41,237.08. The income is to be used for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

#### WILLIAM P. HENSZEY FUND

Founded in 1908 by gift of \$10,000 from William P. Henszey, donated in connection with the raising of the President Sharpless Fund, but kept as a separate fund. Increased in 1909 by legacy of \$25,000 from William P. Henszey. Present book value, \$36,758,66. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

# JACOB P. JONES BENEFIT FUND

Founded in 1909 and increased in 1910 by proceeds of land sold for account of Jacob P. Jones legacy. Present book value, \$68,113.78. The income is to be used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. The income from this fund is annually transferred to the Haverford College Pension Fund for old style pensions, or, if not needed for pensions, is capitalized in said fund.

#### PLINY EARLE CHASE MEMORIAL FUND

Founded in 1909 by transfer to the College of a fund raised in 1887 in memory of Professor Pliny Earle Chase, and amounting to par value of \$4,173.04. The income of this fund is used, as in the President Sharpless Fund, for the teachers and professors of Haverford College as the President of the College and his successors, with the approval of the Board of Managers, may decide. This income is transferred annually to the Haverford College Pension Fund, for old style pensions, or, if not needed for pensions, is capitalized in said fund. Present book value, \$3,272.24.

#### HAVERFORD COLLEGE PENSION FUND

Founded in 1920 and added to since, being accumulations of income from the President Sharpless Fund, the William P. Henszey Fund, the Jacob P. Jones Benefit Fund and the Pliny Earle Chase Memorial Fund, not needed for pensions. Present book value, \$112,040.73. The income from this fund, together with the income from the four above-mentioned funds, is used for old style pensions. Income not needed for pensions was capitalized until 1932; then any unused income was used toward the College's share in cost of new contributory pensions with the Teachers' Annuity and Insurance Association. Now the old style pensions call for more than the income of all these Pension Funds. When the proper time comes in an actuarial sense, the principal of this fund can be used as well as the income for the old style pensions until they cease.

# FUNDS FOR SPECIAL PURPOSES

#### THOMAS SHIPLEY FUND

Founded in 1904 by gift of \$5,000 from the late Samuel R. Shipley as a memorial to his father, Thomas Shipley. Present book value, \$5,248.00. The income only to be used for lectures on English Literature at the College. In case of actual need, at the discretion of the President of the College, the income can be used for general expenditures.

# **ELLISTON P. MORRIS FUND**

Founded in 1906 by gift of \$1,000 from Elliston P. Morris, '48. The income is to be used as a prize for essays to be written by students on the subject of Arbitration and Peace. "The Elliston P. Morris Prize" of \$40 is given in each year, the competition being open to all undergraduates and to graduates of not more than three years' standing.

In 1929, it was determined, with the consent of the family of Elliston P. Morris, that when the prize is not awarded the income may be used for the purchase of library books on arbitration and peace. Present book value, \$1,126.75.

# JOHN B. GARRETT READING PRIZE FUND

Founded in 1908 by a gift of \$2,000 par value of bonds by the late John B. Garrett, '54. It was the purpose of the donor to ensure the permanence of a prize or prizes for Systematic Reading, which he had given for a number of years. The prizes were not awarded from 1922 to 1939 on account of default of the bonds. Reorganization has resulted in 1939 in sufficient recovery of value to provide again for this prize. Present book value, \$2,247.87.

#### SPECIAL ENDOWMENT FUND

Founded in 1909 by gift of \$12,000 par value of bonds, book value \$11,800, from an anonymous donor. The income only of this fund to be used "to furnish opportunity for study of social and economic and religious conditions and duties connected therewith, especially from a Christian point of view." The income is used toward the expenses of Summer Schools for Religious Study, which have been held at Haverford and Swarthmore Colleges from time to time, and also for religious education under Friends' care.

On Fifth Month 16, 1930, the Managers adopted the following amendment, made at the suggestion of the donor, now revealed to be John Thompson Emlen, 1900: "If, however, it shall in the course of time be deemed advisable by the President and the Managers that the income of this fund can be used more profitably by the College for other purposes than those herewith stated, it is my desire that they shall act in accordance with their judgment." Present book value, \$9,227.07.

#### SCHOLARSHIP IMPROVEMENT PRIZE FUND

Founded in 1913 by gift of \$2,000 par value of bonds, book value, \$1,200, from John L. Scull, '05. Present book value, \$2,296.88. The income only to be used to establish two prizes of \$50 and \$45 annually to the two students in the graduating class showing the most marked and steady improvement in scholarship during their college course.

# ELIZABETH P. SMITH FUND

Founded in 1915 by bequest of \$1,000 from Elizabeth P. Smith. Present book value, \$1,727.00. The income only to be used as a prize for the best essays on Peace written by students of the College.

#### S. P. LIPPINCOTT HISTORY PRIZE FUND

Founded in 1917 by gift of \$2,500 par value of bonds, book value, \$2,546.88, from beneficiary of the estate of S. P. Lippincott, '86. The income only to be used as an annual history prize, which is designated "The S. P. Lippincott History Prize." The award is to be made on the basis of a competitive essay. In any year when no award is made, the income is to be used for the purchase of library books in the field of the unawarded prize. Present book value, \$2.546.88.

#### FRANCIS STOKES FUND

Founded in 1919 by gift of \$5,000 in securities, book value, \$5,000, from Francis J. Stokes, '94, in memory of his father, Francis Stokes, of the Class of 1852, and a Manager of Haverford from 1885 until his death in 1916. The income is to be used for extending the planting of trees and shrubs on the College grounds. The wish is expressed, but not as a binding condition of the gift, that the Campus Club should have the direction of the expenditure of this income. Present book value, \$5,120.30.

#### GEORGE PEIRCE PRIZE FUND

Founded in 1919 by gift of \$600, and increased in 1920 by further gift of \$400 from Harold and Charlotte C. Peirce in memory of their deceased son, George Peirce, '03. Present book value, \$3,071.60. 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, \$3,674.45.

# LYMAN BEECHER HALL PRIZE FUND

Founded in 1924 by donation of securities of par value, \$2,000, book value, \$1,820, from the Class of 1898 in commemoration of their 25th anniversary of graduation to establish an annual prize of \$100 in Chemistry in honor of Doctor Lyman Beecher Hall, Professor of Chemistry at Haverford College from 1880 to 1917. Present book value, \$2,155.00.

#### **NEWTON PRIZE FUND**

Founded in 1925 by donation of five shares of General Electric Co. stock by A. Edward Newton, par value, \$500, and book value, \$1,348.25. The income only is to be used for "The Newton Prize in English Literature to the undergraduate who shall submit the best essay on some subject connected with English literature." In 1930, the award was changed to be on the basis of Final Honors, and in any year when no award is made the income is to be used for the purchase of library books in the field of the unawarded prize. Present book value, \$1,397.75.

#### EDWARD B. CONKLIN ATHLETIC FUND

Founded in 1925 and added to in 1926, 1927 and 1929 by Frank H. Conklin, '95, in memory of his brother, Edward B. Conklin, '99. Present book value, \$2,400.00. The income is to be used without restriction in any branch of athletics.

# ARBORETUM FUND

Founded in 1928 by setting aside \$5,000 from proceeds from sale of 5.811 acres of land on the southern boundary and southeast corner of the College farm. Until otherwise ordered by the Managers, the fund is to be invested and

the income only is to be used under the direction of the Campus Club for trees and shrubs upon the College grounds, or for their care, or for other similar purposes. Addition in 1951 (through 1949 campaign) of \$4,775 by Edward Wortman. Present book value, \$9,362.75.

# WILLIAM ELLIS SCULL PRIZE FUND

Founded in 1929 by William Ellis Scull, '83, by a gift of \$2,000. The income is to be used annually, so long as the Managers may judge expedient, as a prize to be awarded at Commencement by the Faculty to that upper classman who in their judgment shall have shown the greatest improvement in voice and the articulation of the English Language. The prize is to be known as "The William Ellis Scull Prize." Present book value, \$2,000.00.

### PAUL D. I. MAIER FUND

Founded Tenth Month 7, 1936, by bequest of \$1,000 from Paul D. I. Maier, '96, of Bryn Mawr, Pa. The bequest provides for the continuance of the Class of 1896 Prizes of \$10 each in Latin and Mathematics, and any balance of income is to be used for general purposes. Present book value, \$1,000.00.

#### STRAWBRIDGE OBSERVATORY MAINTENANCE FUND

Founded Second Month 13, 1937, from donations of \$5,627.37 from members of the Strawbridge family, being the amount in excess of the actual cost of the rebuilding and reequipment of the William J. Strawbridge, '94. Memorial Astronomical Observatory. The income is used for the maintenance and equipment of the observatory. The principal can be used for additional equipment, if so determined by the Board of Managers. In 1938 and 1939 an astrographic camera was so purchased at a cost of \$1,787.83. Present book value, \$3,839.54.

#### 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.

#### JACOB AND ENGENIE BUCKY MEMORIAL FOUNDATION

Founded Sixth Month 4, 1942 by gift of \$2,000.00 from Colonial Trust Company of New York and Solomon L. Fridenberg of Philadelphia, co-trustees under the will of Eugenie Bucky, deceased (late of New York), the income only to be used. At the same time accumulated income of \$2,000.00 was also donated as Bucky Foundation Gift, this amount to be available for use for the same purposes as the income of the Foundation. Extracts from Mrs. Bucky's will and codicils in reference to the purposes of the Bucky Foundation are here made as follows:

"The purpose or object of such a Foundation or Fund is and shall be for the encouragement of them who seek new truths, and who endeavor to free and clear from mystery and confusion our knowledge concerning God¹; and thereby to enforce more effectively the common laws of mutual love and obligation, peace and goodwill, between and among our several creeds, races, nations, and markets.²

"My aim, intention, purpose and object is to help in promoting piety among men, enlightening their ignorance and bettering their condition, by making more and more extensive and by spreading among the public at large not only the preaching but also the practicing of the words of the . . . American motto 'In

God We Trust,' and of the . . . Preamble to the Constitution for the United States of America. I believe and therefore I aim, intend and purpose that the uplifting of men, women and children to the standard of life taught in the Scriptures and the Constitution for the United States of America is indeed the work of Charity, dispels ignorance, inculcates generous and patriotic sentiments, and fits the public groups and the individual men or women for their good usefulness in the American Commonwealth."

1. Associated with the American motto "In God We Trust."

2. Associated with the Preamble of the Constitution for the United States of America—"to form a more perfect union, establish justice, insure domestic tranquility, provide the common defense, promote the public welfare, and secure the blessings of liberty to ourselves and our posterity."

In 1945-1946 and 1954-1955 further gifts from the Trustees were added to the fund. Unused income, if any, has also been capitalized. Present book value, \$5,652.06.

# 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, \$1,519.40.

# WILLIAM T. ELKINTON FUND

Founded Ninth Month 6, 1944, by bequest from William T. Elkinton, of Philadelphia, arising from a Trust set up by him during his lifetime. The principal was \$2,491.50 and income received, \$11.11, a total of \$2,502.61. After the death of a life beneficiary, the Trust provided: "to pay over, assign and transfer one of said equal parts unto the Corporation of Haverford College (a corporation of the State of Pennsylvania); the principal fund thus passing to said Corporation to constitute a part of such endowment as may be established at Haverford College as a fitting memorial of Friends' relief work abroad, which memorial 'should foster the peaceful relations of the United States with foreign countries by acquainting our youth with the principles of European governments and with international problems'; provided however, that if no such Endowment should be established at Haverford College prior to the expiration of one year after the principal of the Fund hereby conveyed becomes distributable under the provisions of this deed, the said one-third part of the fund hereby conveyed shall be devoted by the Corporation of Haverford College for such other purpose as the Trustees acting hereunder, their survivor or successor, shall designate, preferably for the furtherance of education in some form at Haverford College or for providing assistance in the form of scholarships to promote education."

In accordance with a suggestion from President Morley, concurred in by Thomas W. Elkinton representing the Trustees, the Managers voted on Ninth Month 22, 1944, that "the income until otherwise directed, is to be used for traveling and other expenses in the attendance at intercollegiate conferences for discussion of international problems by representatives of the International Relations Club at Haverford." The Trustee further stated "as long as the activities of the Club are closely related to 'acquainting our youth with the principles of European governments and with international problems,' the use of the income by the Club would be satisfactory."

# TILNEY MEMORIAL FUND

Founded in First Month, 1945, by gifts totaling \$2,000 by I. Sheldon Tilney, 1903, in memory of his parents, John S. and Georgiana E. Tilney. The income is to be used "to try to influence the student body towards a more religious viewpoint of life." Permission was also granted by the donor that "the income may be used also in connection with a scholarship for students in the field of Philosophy or Biblical Literature."

In 1945-1946 the fund was increased to \$5,000, by gifts of \$1,000 from Georgiana S. Kirkbride and \$2,000 from Robert W. Tilney, sister and brother of I. Sheldon Tilney. In 1948-49 a further gift of \$250 was received from I. Sheldon Tilney. In 1949-50 a further gift of \$1,000 and in 1952-53 \$500

was received from I. Sheldon Tilney. Present book value, \$7,000.

# 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." Present book value is \$6,315.00.

# EDMUND J. LEE MEMORIAL AWARD FUND

Founded Eighth Month 31, 1948, by donations totaling \$906.50 from members of the Class of 1943 on the occasion of their Fifth Reunion. The Class desired "to perpetuate the memory of Edmund Jennings Lee, 2nd, its sole member killed in the past war, and to stimulate in the College that spirit of service for which he was known. In 1948-1949 a further gift of \$100 was received from Miss Mildred W. Lee, sister of Edmund J. Lee.

"The proceeds from the invested fund shall be used to establish an annual award to be known as the Edmund J. Lee Memorial Award to be awarded annually beginning in 1949, to the recognized undergraduate organization which has contributed most toward the furtheranec 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."

#### THE DAVID R. BOWEN PREMEDICAL FUND

Established in 1950 by the family and friends of the late Dr. David R. Bowen, who, regretting a definite lack in his own training, believed strongly that men preparing to be physicians should receive a basic liberal education of the kind offered at Haverford College. The income is to be used at the discretion of the President of Haverford College, to purchase books for the use of premedical students, pay for professional magazine subscriptions, for lecturers, or for any other projects closely related to premedical training. Further gifts have been made yearly to the fund. Present book value, \$792.55.

### **IONATHAN & RACHEL COPE EVANS FUND**

"Founded in 1952, through gifts to the 1949 Campaign by the children and grandchildren of Jonathan and Rachel Cope Evans. The principal is to be invested and the income used one-half for scholarships and one-half for the purposes of the Rufus M. Jones Fund for Advancement of Teaching. If, however, at the expiration of twenty-five years the Board of Managers deems it advisable to use the income, or if necessary the principal, of the Fund for other purposes, it shall be free to do so." A further gift was made in 1952-53 of \$500. Present book value is \$14,043.62.

# EDWARD HAWKINS MEMORIAL FUND

Established in 1953 by a gift to the College from the Class of 1937. The Fund is given in memory of Edward Hawkins, a member of that class.

The income to be used for the purchase of equipment required for intramural athletics. If such becomes impracticable, the income is to be used as directed by the Managers. Present book value is \$1,457.44.

# WILLIAM W. BAKER PRIZE FUND

"Founded in 1954 by bequest of \$500.00 from Mertie Gay Baker, who died January 31st, 1954, the fund is to be invested and the income given as a prize in the study of Greek. If the study of Greek at the said College should be discontinued, I direct that the income be given as a prize for the study of Latin and should the study of Latin be discontinued, I direct that the income be used as a prize in the study of Ancient History or Biblical Literature."

#### **FUNDS WITHDRAWN**

The following funds left to the college with no restrictions, have been wholly consumed to meet in part the Corporations' share of the Building Program of 1953-1956:

Ellen Waln Fund Henry Norris Fund Clarence W. Bankard Fund Mary Brown Fund Emma Ridgway Comly Fund Mary K. Comly Fund

# STATED MEETINGS OF THE CORPORATION AND THE MANAGERS

The Annual Meeting of "The Corporation of Haverford College" is held in Tenth Month at such time and place as the Board of Managers may determine.

The Stated Meetings of the Managers for 1953-54 will be held on the third Sixth-day of First, Third, Fifth, Ninth and Eleventh months.

#### **LEGACIES**

The friends of the College, including former students, and all who are interested in the promotion of sound learning, are invited to consider the College in the disposition of their estates by will.

# FORM OF BEQUEST OF PERSONAL PROPERTY

I give and bequeath, free and clear of all estate, inheritance 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 estates: (Here describe the real estate.)











