Haverford College,

1861-62.
CATALOGUE

OF THE

Officers and Students

OF

HAVERFORD COLLEGE,

FOR THE

ACADEMICAL YEAR

1861-62.

PHILADELPHIA:

E. KETTERLINUS, PRINTER, N. W. COR. ARCH AND FOURTH STS.

1861.
Corporation.

Secretary,
CHARLES YARNALL.

Treasurer,
JOHN M. WHITALL.

MANAGERS:

THOMAS KIMBER, T. WISTAR BROWN,
CHARLES YARNALL, JOSEPH W. TAYLOR, M. D.,
TOWNSEND SHARPLESS, HARRISON ALDERSON,
SAMUEL HILLES, DAVID SCULL,
ISAIAH HACKER, HENRY HARTSHORNE, M. D.,
SAMUEL RHoadS, WILLIAM S. HILLES,
GEORGE HOWLAND, A. M., JAMES WHITALL,
JEREMIAH HACKER, WILLIAM BETTLE,
MARMADUKE C. COPE, HUGH D. VAIL, A. M.,
JOHN M. WHITALL, HAYDOCK GARRIGUES,
ANTHONY M. KIMBER, EDWARD GARRETT,
THEOPHILUS E. BEESLEY, M. D., BENJAMIN V. MARSH,
WISTAR MORRIS, JAMES CAREY THOMAS, M. D.
Committee on Instruction.

THOMAS KIMBER, CHARLES YARNALL, MARMADUKE C. COPE, JEREMIAH HACKER, JOHN M. WHITALL, HUGH D. VAIL, A. M., SAMUEL RHOADS, HARRISON ALDERSON, WILLIAM S. HILLES, WILLIAM BETTLE, JAMES WHITALL, HENRY HARTSHORNE, M. D.

Committee on Finance and Economy.

WISTAR MORRIS, MARMADUKE C. COPE, JAMES WHITALL, T. WISTAR BROWN.

Committee on Property.

JOHN M. WHITALL, WISTAR MORRIS, JOSEPH W. TAYLOR, M. D., HAYDOCK GARRIGUES, EDWARD GARRETT.

Committee on Library and Apparatus.

CHARLES YARNALL, ANTHONY M. KIMBER, T. WISTAR BROWN, HUGH D. VAIL, A. M.

Committee on Admissions.

CHARLES YARNALL, THOMAS KIMBER, JOHN M. WHITALL, MARMADUKE C. COPE, JAMES WHITALL, GEORGE HOWLAND, A. M., JAMES CAREY THOMAS, M. D.
Faculty.

SAMUEL HILLES,

PRESIDENT PRO TEM.

RESIDENT MEMBERS.

PAUL SWIFT, M. D.,

PROFESSOR OF MORAL, POLITICAL, AND NATURAL SCIENCE.

THOMAS CHASE, A. M.,

PROFESSOR OF THE GREEK AND LATIN LANGUAGES AND LITERATURE.

MOSES C. STEVENS,

PROFESSOR OF MATHEMATICS, NATURAL PHILOSOPHY, AND ASTRONOMY.

WILLIAM F. MITCHELL,

SUPERINTENDENT.

CHARLES ATHERTON,

LIBRARIAN.

THOMAS W. LAMB, A. B.,

TUTOR IN CLASSICS AND HISTORY, AND ASSISTANT LIBRARIAN.

JOHN WILSON,

INSTRUCTOR IN DRAWING.
## Under-Graduates.

### SENIOR CLASS.

<table>
<thead>
<tr>
<th>Names</th>
<th>Residence</th>
</tr>
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<tbody>
<tr>
<td>Farnum, Samuel</td>
<td>Milville, Mass.</td>
</tr>
<tr>
<td>Hadley, Samuel Allen</td>
<td>Oseola, Ia.</td>
</tr>
<tr>
<td>Williams, Horace</td>
<td>Newport, R. I.</td>
</tr>
</tbody>
</table>

### JUNIOR CLASS.

<table>
<thead>
<tr>
<th>Names</th>
<th>Residence</th>
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</thead>
<tbody>
<tr>
<td>Battey, Thomas Jesse</td>
<td>Burrillville, R. I.</td>
</tr>
<tr>
<td>Coates, Jr., George Morrison</td>
<td>Philadelphia, Pa.</td>
</tr>
<tr>
<td>Corbit, Daniel W.</td>
<td>Odessa, Del.</td>
</tr>
<tr>
<td>Handy, Thomas Poulney</td>
<td>Baltimore, Md.</td>
</tr>
<tr>
<td>Pinkham, Joseph Gurney</td>
<td>North Vassalboro', Me.</td>
</tr>
</tbody>
</table>

### SOPHOMORE CLASS.

<table>
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<tr>
<th>Names</th>
<th>Residence</th>
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</thead>
<tbody>
<tr>
<td>Angell, Franklin</td>
<td>South Corinth, N. Y.</td>
</tr>
<tr>
<td>Ashbridge, William</td>
<td>West Whiteland, Pa.</td>
</tr>
<tr>
<td>Cooper, Howard M.</td>
<td>Camden, N. J.</td>
</tr>
<tr>
<td>Dennis, Jr., James</td>
<td>Pawtucket, R. I.</td>
</tr>
<tr>
<td>Garrett, Albin</td>
<td>West Chester, Pa.</td>
</tr>
<tr>
<td>Hall, Frank Stevens</td>
<td>Casco, Me.</td>
</tr>
<tr>
<td>Lindley, John H.</td>
<td>Indianapolis, Ind.</td>
</tr>
<tr>
<td>Longstreth, Morris</td>
<td>Germantown, Pa.</td>
</tr>
</tbody>
</table>
Haverford College.

Names.  Residence.

Sampson, E. Pope       Manchester,         Me.
Shepherd, Caleb William Saratoga,         N.Y.
Thomas, J. Preston     West Whiteland,     Pa.
Zook, John Miller      West Whiteland,     Pa.

Freshman Class.

Clapp, Samuel Hicks    Philadelphia,      Pa.
Downing, Joseph Miller West Whiteland,     Pa.
Drake, James Haines   Cincinnati,        O.
Febiger, Christian Carson Wilmington,      Del.
Gillis, John Pritchard Wilmington,        Del.
Haviland, Arthur      Brooklyn,           N.Y.
Pharo, Joseph John     Tuckerton,         N.J.
Roberts, Edward Churchman Brooklyn,        N.Y.
Smith, Jr., George     Upper Darby,       Pa.
Thomas, Allen Clapp    Baltimore,         Md.
Vail, Benjamin Augustus Rahway,           N.J.
Wistar, Caleb Cresson Philadelphia,        Pa.

Summary.

Seniors, 6
Juniors, 8
Sophomores, 21
Freshmen, 15
Total, 50
Calendar.

Winter Term, 1861-62, began . . . . 9 Mo. 11th.
Winter Term, 1861-62, ends . . . . 1 Mo. 29th.
Summer Term, 1862, begins . . . . 2 Mo. 19th.
Summer Term, 1862, ends . . . . 7 Mo. 9th.
Public Examinations, 1862, 1 Mo. 27th, 28th, and 7 Mo. 7th, 8th.
Biennial Examinations, 1862, begin . . . . 5 Mo. 31st.
Biennial Examinations, 1862, end . . . . 7 Mo. 5th.
Oration before Loganian Society, 1862, . . . . 1 Mo. 28th.
Junior Exhibition, 1862, . . . . 1 Mo. 29th.
Public Meeting of Loganian Society, 1862, . . . . 7 Mo. 7th.
Address before Alumni, 1862; . . . . 7 Mo. 8th.
Commencement, 1862, . . . . 7 Mo. 9th.
Examinations [for Admission, 1862, 2 Mo. 18th, and 9 Mo. 9th.
Winter Term, 1862-3, begins . . . . 9 Mo. 10th.
Course of Study.

FRESHMAN CLASS.

MATHEMATICS.

Geometry, Euclid.
Algebra, Alsop.
Plane Trigonometry, Gummere.

GREEK AND LATIN.

Greek Testament.
The Anabasis of Xenophon, Crosby.
Greek Syntax, Crosby or Hadley.
Greek Prose Composition, Arnold.
Virgil, Schmitz or Frieze.
Latin Prosody.
Latin Prose Composition, Arnold.
Classical Geography and Antiquities, Allen.

ENGLISH.

Compositions.
Universal History, Weber.
Chemistry, Stoeckhardt.
Geology, commenced, Hitchcock.
Biblical Antiquities.
Drawing.

SOPHOMORE CLASS.

MATHEMATICS.

Surveying, Gummere.
Spherical Trigonometry, Conic Sections, and Spherical Projections, Lewis.
Astronomy, Herschel.
GREEK AND LATIN.

The Iliad of Homer, . . . . . Felton.
Greek Prose Composition, continued, . . Arnold.
Cicero's Orations, . . . . . Folsom or Johnson.
Livy, . . . . . Lincoln.
Latin Prose Composition, continued, . . Arnold.

ENGLISH.

Geology, continued, . . . . . Hitchcock.
Physical Geography, . . . . . Guyot.
Evidences of Christianity, . . . Paley.
Zoology, . . . . . By Lectures.
Drawing.

JUNIOR CLASS.

MATHEMATICS.

Astronomy, continued, . . . . . Herschel.
Analytical Geometry, . . . . . Robinson.
Differential and Integral Calculus, . . Robinson.

GREEK AND LATIN.

The Prometheus of Æschylus, . . . . Woolsey.
Plato's Apology and Crito, . . . . Tyler.
Thucydides, . . . . . Owen.
Greek Compositions.
Horace, . . . . . Lincoln.
The Germania and Agricola of Tacitus, . . Tyler.
Latin Compositions.
Greek Testament, . . . . . Tischendorf.
ENGLISH.

Rhetoric, .................. Whately.
English, Past and Present, ...... Trench.
Logic, { the Aristotelian system, .... Whately.
          the Hamiltonian system, .... By Lectures.
Political Economy, .............. Wayland.
The Law of Nations, and American Law, Kent.
Themes.
Drawing.

SENIOR CLASS.

MATHMATICS.

Mechanical Philosophy, ............ Snell's Olmsted.
Optics, ........................ Snell's Olmsted.
Practical Astronomy, .............. Loomis.

GREEK AND LATIN.

Thucydides, ........................ Owen.
The Antigone of Sophocles, .......... Woolsey.
Greek Compositions.
Cicero's Tusculan Disputations, and
           Somnium Scipionis, ............ Chase.
The Captivi of Plautus.
Latin Compositions and Extemporalia.
Greek Testament, ........................ Tischendorf.
Modern Greek, ........................ By Lectures.

ENGLISH.

Moral Philosophy, .................. Dymond.
Analogy of Natural and Revealed Religion, ...... Butler.
Gurney's Observations.
Lectures on Modern History, .......... Arnold.
Mental Philosophy, .................. Haven.
Forensics.
Admissions.

Applications for admission must be made to the Secretary of the Board of Managers, CHARLES YARNALL, No. 109 North Tenth Street, Philadelphia. Candidates will present themselves at the College, for Examination by the Faculty, the morning preceding the opening of the term.

Students can be admitted to Advanced Standing, when they can pass a satisfactory Examination in all the previous studies of the Course.

It is very important that the candidates should be thoroughly prepared, particularly in grammatical and elementary knowledge.

Lectures.

The Course of Lectures for the winter of 1861-62 is as follows:

Chemistry, . . . . . . Professor Swift.
Architecture, . . . . . . Professor Chase.
The Telescope and its Revelations, . . . . Professor Stevens.
The Meanings of Mythology, . . . . Professor Chase.

Examinations.

Near the close of each Summer Term, there is a private Examination, in writing, of the Sophomore and of the Senior Classes—of the former, upon the studies of the first two years of the Course, preparatory to advancement to the Junior Class, and of the latter, upon those of the last two years, for the degree of Bachelor of Arts. The Examinations are conducted upon the following plan:
The members of the Class under Examination are seated in a room by themselves, under the supervision of an officer, and each student is furnished with a set of questions upon some book or subject in the Course, which he is required to answer in writing, without consulting any person or book. The time of writing, for the Examination in each book, is limited to four hours. The questions are upon topics and passages selected throughout the text-books, and are calculated to test as accurately as possible the student's knowledge of the whole subject.

A student's answers must be sufficiently meritorious to receive a mark of at least five, on a scale of ten, in the examination upon each book, and a general average of six and two-thirds in each Department, before he can be advanced to the Junior Class, or receive the Diploma of Bachelor of Arts.

The Examination of each Class occupies about two weeks.

At the end of each Term there is a public oral Examination of all the Classes.

Degree of Master of Arts.

Graduates of three years' standing can take the Degree of Master of Arts, on submitting to the Committee on Instruction satisfactory evidence of continued good moral character, and presenting a well-written Thesis on some literary or scientific subject, which shall receive the approbation of the Faculty. The fee for the Diploma is Five Dollars.
Astronomical Observatory.

The Haverford Observatory affords the Students in the higher Classes the means of becoming familiar with the use of Astronomical Instruments, and of acquiring, from actual observation, a practical acquaintance with Astronomy.

It contains an Equatorial Telescope, mounted in the Fraunhofer style, with an aperture of 8½ inches, and a focal length of 11 feet, and furnished with an annular-micrometer, with six eye-pieces, varying in magnifying power from 60 to 900 times: a Meridian Transit Circle, of the German form, having a Telescope of 4 inches aperture, and 5 feet focus, with a circle at each end of the axis 26 inches in diameter; one reading by four verniers, to two seconds of arc—the other used simply as a finder: a Solar Clock: a Sidereal Clock, with the mercurial compensation: and Bond's Magnetic Chronograph, for the instantaneous recording of observations. The Observatory is lighted, and the instruments illuminated, with gas.

The cost of the Telescope was $2100; of the Transit Instrument, $1000; the Sidereal Clock, $300; the Magnetic Chronograph, $300; the Sextant, $150; the Dolland Prime-Vertical Transit, $200; the Solar Clock, $150: and $2500 was expended upon the building.

Library and Apparatus.

The Library of the College contains about 3000 volumes; that of the Loganian Society about 1500, making the whole number of books in the two Libraries, 4500.

Extensive Apparatus is provided for the illustration of Natural Philosophy and Chemistry.
The large Mineralogical Collection of the late Dr. Troost occupies the cases in the Collection Room. The Geological Cabinet comprises, among other specimens, complete suites illustrating the Geology of New York and South Carolina, prepared for the College by the late Lardner Vanuxem.

In the rear of the Lecture and Apparatus Rooms is a commodious and well-furnished Laboratory, in which the students are familiarized with Chemical Manipulations. These operations are conducted under the supervision of the Professor of Chemistry.

Societies.

The Loganian Society was established by the Officers and Students in 1834. The exercises in its weekly meetings are Discussions, Declamations, Original Essays, etc. The Society publishes a manuscript paper or magazine, "The Collegian," monthly. It has in its possession a carefully selected Library of about 1500 volumes, and cabinets of conchology, geology, natural history, medals, and coins. A large and well-furnished Gymnasium, also, is under its direction.

The Athenæum and Everett are literary societies of the students.

Alumni Prize Essays.

Two prizes are biennially offered by the Alumni Association for English Essays, as follows:—

A prize of thirty dollars, called the Alumni Prize, for the best Essay by any student of the College or member of the Association; and a prize of fifteen dollars, called the Under-Graduates' Prize, for the best Essay by any member of the Senior or Junior Class.
The Essays must be written upon good letter-paper, of the ordinary quarto size, with a margin of not less than one inch at the top and bottom and on each side, and the leaves securely stitched together. No Essay shall exceed in length twenty-five printed pages of the North American Review.

The next competition for these prizes will be in 1863. For the year 1862 an extraordinary prize of fifty dollars is offered, open to the competition of the members of the Association and the under-graduates alike. The Awarding Committee is composed of the following gentlemen:

DR. HENRY HARTSHORNE, No. 1433 Arch Street, Philadelphia.
Benjamin V. Marsh, No. 309 Market Street, Philadelphia.
James Whitall, No. 410 Race Street, Philadelphia.

The Essays must be forwarded to some member of this Committee by the first of the Sixth Month, 1862. Competitors must choose their theme from the following subjects:

1. The causes which chiefly promote or retard the spread of Christianity.
3. The Physical and Moral Effects of the general introduction of Machinery upon mankind.
4. The influence of the teachings of George Fox on Civil and Religious Liberty.

Situation of the College.

The College has a remarkably pleasant and healthy location, in the township of Haverford, on the Pennsylvania Railroad, nine miles west of Philadelphia. The buildings are situated on a lawn of fifty acres, tastefully laid out, and, in the number and variety of its trees and shrubbery, perhaps unsurpassed by any lawn in the State. All the students board at the College.
Commencement, Terms, Tuition, &c.

Commencement is on the second Fourth-day in the Seventh month of each year. The Junior Exhibition is on the last day of the first Term. There are two terms; the first Term, beginning nine weeks after Commencement, and continuing twenty weeks—and the second Term, of twenty weeks, beginning three weeks from the end of the first Term, and closing on Commencement day. There are accordingly two Vacations—one of nine weeks in the Summer—and one of three weeks in the Winter.

No student is admitted except at the opening of a Term, and never for a period less than one year. A rule of the Corporation directs, that "The College shall be open for the admission of the children of Friends, and of those professing with them, who desire their children to be educated in conformity with the principles of our religious Society."

The price of Board and Tuition is $300 per annum, payable as follows:—$100 at the beginning of each Term, and $50 at the middle of it.
Graduates.

1836.
THOMAS F. COCK, M. D., . New York, . N. Y.

1837.
DAVID C. MURRAY, . New York, . N. Y.
LINDLEY MURRAY, . New York, . N. Y.
BENJAMIN V. MARSH, . Rahway, . N. J.
ROBERT B. PARSONS, . Flushing, . N. Y.

1838.

1839.
NEREUS MENDENHALL, M. D., . Guilford Co., . N. C.

1840.
JOHN R. WINSLOW, M. D., . Hertford, . N. C.

1841.
RICHARD H. LAWRENCE, . New York, . N. Y.
ELIAS A. WHITE, . North Carolina, . N. C.
<table>
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<th>Year</th>
<th>Name</th>
<th>City</th>
<th>State</th>
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<tr>
<td>1842</td>
<td>Robert Bowne</td>
<td>New York</td>
<td>N.Y.</td>
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<td></td>
<td>Richard Cadbury</td>
<td>Philadelphia</td>
<td>Pa.</td>
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<tr>
<td></td>
<td>William S. Hilles</td>
<td>Wilmington</td>
<td>Del.</td>
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<tr>
<td></td>
<td>Thomas Rodman</td>
<td>New Bedford</td>
<td>Mass.</td>
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<td></td>
<td>Benjamin R. Smith</td>
<td>Haverford</td>
<td>Pa.</td>
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<tr>
<td></td>
<td>Augustus Taber,</td>
<td>New Bedford</td>
<td>Mass.</td>
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<tr>
<td></td>
<td>Caleb Winslow, M.D.</td>
<td>Hertford</td>
<td>N.C.</td>
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<td></td>
<td>Francis White</td>
<td>North Carolina</td>
<td>N.C.</td>
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<tr>
<td>1844</td>
<td>Evan T. Ellis</td>
<td>Philadelphia</td>
<td>Pa.</td>
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<td></td>
<td>Isaac Hartshorne</td>
<td>Philadelphia</td>
<td>Pa.</td>
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<td></td>
<td>Robert B. Haines</td>
<td>Germantown</td>
<td>Pa.</td>
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<tr>
<td>1845</td>
<td>Edmund Crenshaw</td>
<td>Richmond</td>
<td>Va.</td>
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<td>1849</td>
<td>Albert K. Smiley, A.M.</td>
<td>Vassalborough</td>
<td>Me.</td>
</tr>
<tr>
<td></td>
<td>Alfred H. Smiley</td>
<td>Vassalborough</td>
<td>Me.</td>
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<tr>
<td></td>
<td>Franklin E. Paige, A.M.</td>
<td>Ware</td>
<td>Mass.</td>
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<td></td>
<td>Zaccheus Test, M.D.</td>
<td>Richmond</td>
<td>Ind.</td>
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<td></td>
<td>James C. Thomas, M.D.</td>
<td>Baltimore</td>
<td>Md.</td>
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<tr>
<td>1852</td>
<td>Dougan Clark, M.D.</td>
<td>New Garden</td>
<td>N.C.</td>
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<td></td>
<td>Lewis N. Hopkins</td>
<td>Baltimore</td>
<td>Md.</td>
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<td></td>
<td>William L. Kinsman</td>
<td>Salem</td>
<td>Mass.</td>
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<td>1853</td>
<td>William B. Morgan, A.M.</td>
<td>Raysville</td>
<td>Ind.</td>
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1854.
FREDERICK ARTHUR, Jr., Nantucket, Mass.

1855.
*SAMUEL BETTLE, Philadelphia, Pa.
JOHN R. HUBBARD, A. M., New Garden, N. C.

1856.
JONATHAN J. COMFORT, M. D., Tecumseh, Mich.
JAMES M. WALTON, Philadelphia, Pa.

1857.
†CYRUS MENDENHALL, Plainfield, Ind.
STEPHEN WOOD, Bedford, N. Y.

1858.
THOMAS H. BURGESS, Harveysburg, Ohio.
THOMAS CLARK, Carthage, Ind.
DANIEL W. HUNT, Annapolis, Ind.
SAMUEL T. SATTERTHWAITE, Chesterfield, N. J.
WILLIAM G. TYLER, Salem, N. J.

1859.
RICHARD W. CHASE, Burlington, N. J.
RICHARD C. PAXSON, San Francisco, Cal.
EDWARD RHOADS, Philadelphia, Pa.
EDWARD C. SAMPSON, Manchester, Me.
GEORGE SAMPSON, Manchester, Me.
ABRAM SHARPLES, Ivy Mills, Pa.
BENJAMIN H. SMITH, Upper Darby, Pa.

1860.
†LINDLEY M. CLARK, Carthage, Ind.
WILLIAM B. CORBIT, Odessa, Del.
WILLIAM M. CORLIES, Philadelphia, Pa.
CYRUS LINDLEY, Monrovia, Ind.
RICHARD PANCOAST, Philadelphia, Pa.

*Obit 1850.
†Obit 1858.
‡Obit 1861.
<table>
<thead>
<tr>
<th>Name</th>
<th>Place</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>John W. Pinkham</td>
<td>North Vassalborough</td>
<td>Me.</td>
</tr>
<tr>
<td>Francis Richardson</td>
<td>Philadelphia</td>
<td>Pa.</td>
</tr>
<tr>
<td>Clement L. Smith</td>
<td>Upper Darby</td>
<td>Pa.</td>
</tr>
<tr>
<td>James Tyson</td>
<td>Reading</td>
<td>Pa.</td>
</tr>
<tr>
<td>Silas A. Underhill</td>
<td>Brooklyn</td>
<td>N.Y.</td>
</tr>
<tr>
<td>William B. Broomall</td>
<td>Media</td>
<td>Pa.</td>
</tr>
<tr>
<td>Charles H. Jones</td>
<td>Tamaqua</td>
<td>Pa.</td>
</tr>
<tr>
<td>Thomas W. Lamb</td>
<td>Newby's Bridge</td>
<td>N.C.</td>
</tr>
<tr>
<td>William N. Potts</td>
<td>Philadelphia</td>
<td>Pa.</td>
</tr>
<tr>
<td>Jehu H. Stuart</td>
<td>Westminster</td>
<td>N.C.</td>
</tr>
<tr>
<td>John C. Thomas</td>
<td>Baltimore</td>
<td>Md.</td>
</tr>
</tbody>
</table>

Whole number of Graduates: 110.

Honorary Degrees

1858.

Hugh D. Vail, A. M., Plainfield, N. J.

1859.


1860.

REMARKS
UPON THE
Course of Study and Discipline.

MORAL, POLITICAL, AND NATURAL SCIENCE.

In these Departments the method of instruction aims at making the lessons, whatever the subject, as nearly practical as possible. In Moral or Political Science, for example, the principle is illustrated and enforced by applying it to the practices and the wants of every day life. If the subject be Natural Science, the student is brought into direct communication with the objects studied; so that Nature becomes her own interpreter; her great volume supplying abundant types and analogies to illustrate the teachings of the class-book.

The facilities for this kind of instruction, already in possession of the College, are highly creditable, and are annually becoming more ample; the Mineralogical Cabinet, for example, contains 2700 specimens, and the Geological Cabinet about 2500; together, over 5000. In Zoology, less has been done; yet a beginning has been made, and many valuable specimens are already in the Cabinet. These collections, together with illustrations by diagrams, models, and maps, enable the teacher to occupy the time allotted to these studies, in a manner at the same time profitable and pleasant to the student, and satisfactory to himself.
The course in Chemistry, embraces recitations in Inorganic Chemistry, occupying the greater part of one term, and accompanied with daily exercise in a Laboratory fitted up for this purpose, and well furnished with material and apparatus. Here, students are required to conduct with their own hands, under the direction and supervision of the Professor, experiments illustrative of the day's lesson; thus familiarizing them, by actual practice, with the principles and laws of the science, as well as securing dexterity in manipulation. The study of the Physics of Chemistry, and of Organic Chemistry, occupies a considerable portion of another term, and is accompanied with experiments.

In the study of History, each recitation is connected with the study of the Civil and Physical Geography embraced in the lesson; the pupil being required to come to his recitation prepared to delineate upon the black-board, the region of country to which the lesson refers. Thus, by associating in the mind of the learner, what are so intimately connected in nature—the history of a people and their geographical position—he is greatly assisted in acquiring, and especially in retaining, a knowledge of both.

**RHETORIC, LOGIC, AND MENTAL PHILOSOPHY.**

The recitations in these studies are conducted by the Professor of Classical Literature, and are continued through the first term of the Junior, and the second term of the Senior years. Exercises in the composition of Themes are required; and sufficient instruction is given in Declamation to put the student in the right way of self-improvement. The annual exhibition, at the end of the first term of the Junior year, gives the several members of that class the opportunity of original composition in Latin, Greek, or English, or of translation into Latin or Greek from some other language, and also of the public delivery of their compositions. Original exercises are also required of the graduating class at commencement.
GREEK AND LATIN CLASSICS.

It is aimed in this Department to discipline the mind and cultivate the taste by the study of the great masterpieces of antiquity, and to train and strengthen the reasoning powers, by the analysis of words and thoughts required in translation, and particularly by the investigation of the syntax of Greek and Latin—the best practical logic.

In addition to the text-books read in the course, exercises in writing both languages are required, and instruction in history, antiquities, and classical geography is given in connection with the daily lessons. The most approved mural maps are provided, and the library presents the best manuals of biography, mythology, antiquities, and geography.

MATHEMATICS AND ASTRONOMY.

The object of this course is, first, as a part of general education, to exercise the student in the process of exact reasoning, and thus secure to his mind a thorough logical discipline; and secondly, as a part of special education, to prepare him to apply the mathematical and mechanical knowledge he acquires to various practical purposes.

Suitable text-books are used, but the great aim is to teach the subject and not the book. To test the student's knowledge, and also to accustom him to independent and original investigations, questions and problems not found in the text-book are frequently proposed for solution.

A valuable collection of apparatus belongs to the College, and is used in connection with the instruction in Mechanical Philosophy. Students have an opportunity of performing the experiments themselves, under the direction of the Professor. The well furnished Observatory presents peculiar advantages for the study of Astronomy.
In the College Library there is a large collection of mathematical works. If the more advanced students are disposed to become acquainted with Peirce's Analytical Mechanics, La Place's Mécanique Celeste, Gauss's Theoria Motus, or the Quaternions of Hamilton, they have the opportunity of doing so.

DRAWING.

Instruction in the best methods of Perspective and Mechanical Drawing is given by a competent teacher. A knowledge of this art being regarded as indispensable in a good education, the best facilities are presented for its pursuit.

RELIGIOUS INSTRUCTION.

In addition to the daily readings of the Holy Scriptures, recitations in them are required of each student once a week. In the last two years of the course there are recitations weekly in the Greek Testament. Gurney's Observations, and a treatise on Biblical Antiquities, are also studied.

DISCIPLINE.

In the discipline of the College, while the executive officers endeavor to promote habits of order and regularity, they aim to do this in a spirit of kindness and forbearance. Such restraints only are imposed as are deemed necessary to attain this end, as well as to secure the students from those temptations which are incident to their situation, removed as they are from the protection and preserving influences of home. In carrying out the discipline, private admonition, and appeals to the good sense of the students and their conscientious feelings, are much relied upon, and in most instances are the only means necessary.