

SWARTHMORE COLLEGE,

1873-74.

TO THE STOCKHOLDERS.

THE ANNUAL MEETING OF THE STOCKHOLDERS is held in Race Street Meeting House, Philadelphia, on the first Third-day in Twelfth month, at three o'clock P. M. Public notice of this meeting is given in one or more newspapers published, respectively, in Philadelphia, New York, and Baltimore.

It is desirable that Stockholders should be furnished with the Annual Catalogues, and all other publications issued by the authority of the College. This has been but imperfectly done, as we have never had the addresses of many Stockholders, and those of others have been changed since their names were entered upon the lists. That a list, corrected to date, may be kept at the College, Stockholders are requested to forward to the President their names and addresses in full, giving the Post-Office, County, and State.

SWARTHMORE COLLEGE



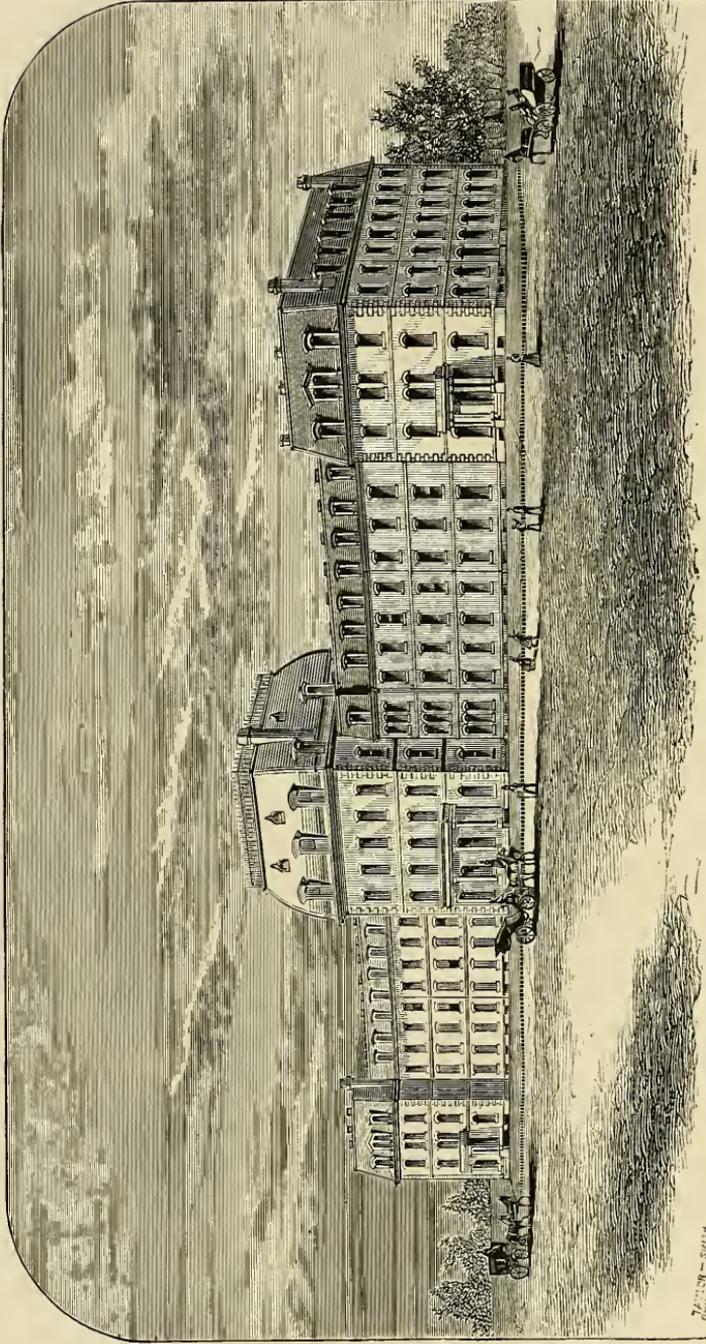
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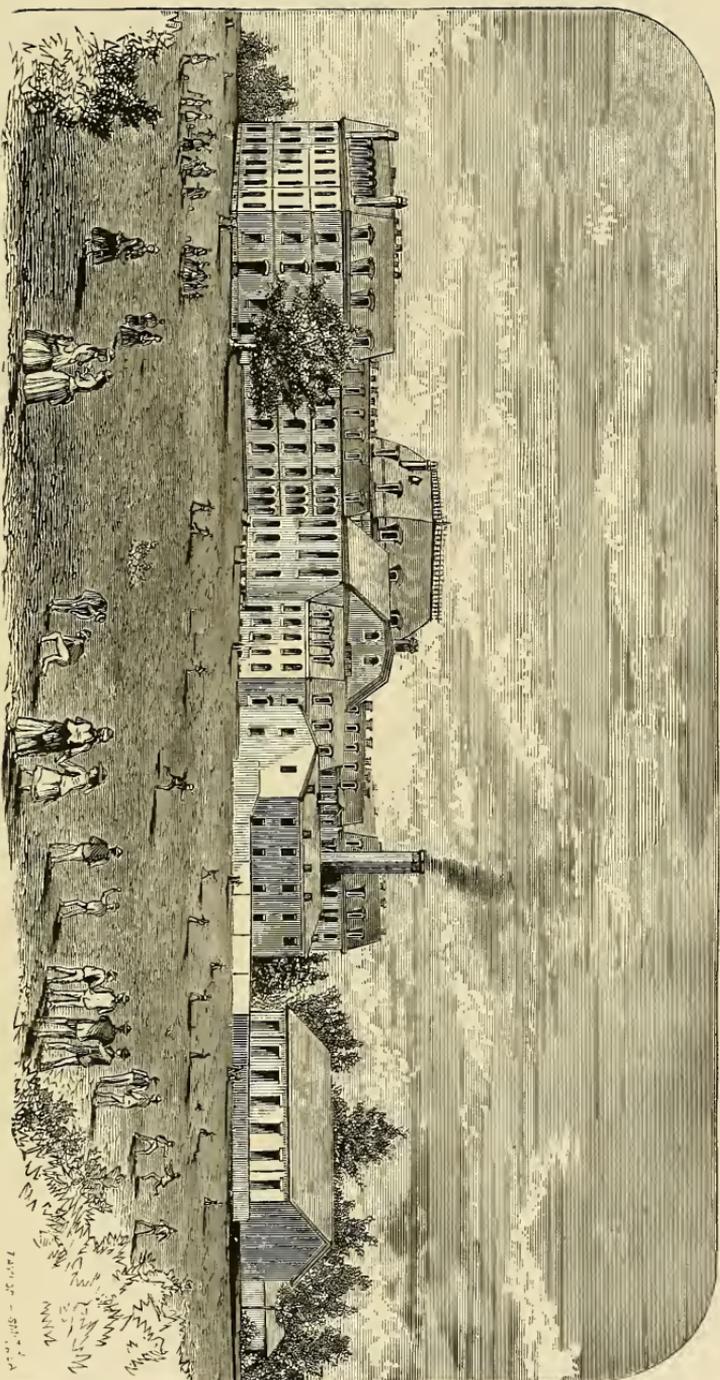
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SWARTHMORE COLLEGE, DELAWARE COUNTY, PA.

[FRONT VIEW.]

TRAVERS & SMITH
PHILA.



SWARTHMORE COLLEGE, DELAWARE COUNTY, PA.

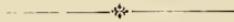
[REAR VIEW.]

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F I F T H
A N N U A L C A T A L O G U E
O F
S W A R T H M O R E C O L L E G E,
S W A R T H M O R E, P A.
1873-74.
W I T H M I N U T E S O F T H E
T E N T H A N N U A L M E E T I N G
O F T H E
S T O C K H O L D E R S.



P R E S S O F J . B . L I P P I N C O T T & C O . , P H I L A D E L P H I A .

CALENDAR.

1873-74.

1873.	Sixth month 18th,	Fourth-day.	COMMENCEMENT.
"	Sixth month 19th,	Fifth-day.	Summer Vacation begins.
"	Ninth month 2d,	Third-day.	Examinations for admission begin.
"	Ninth month 4th,	Fifth-day.	Examinations for admission completed, and old Students return.
"	Ninth month 5th,	Sixth-day.	Regular Exercises begin.
"	Ninth month 9th,	Third-day.	Meeting of the Board of Managers.
"	Twelfth month 1st,	Second-day.	Meeting of the Board of Managers.
"	Twelfth month 2d,	Third-day.	Annual Meeting of the Stockholders.
"	Twelfth month 2d,	Third-day.	Meeting of the Board of Managers.
"	Twelfth month 24th,	Fourth-day.	Holidays begin.
1874.	First month 5th,	Second-day.	Students return.
"	First month 6th,	Third-day.	Regular Exercises begin.
"	Second month 10th,	Third-day.	Meeting of the Board of Managers.
"	Fifth month 11th,	Second-day.	Senior Examinations begin.
"	Fifth month 19th,	Third-day.	Senior Examinations completed; the result announced, and parts for Commencement assigned.
"	Sixth month 8th,	Second-day.	Annual Examinations begin.
"	Sixth month 15th,	Second-day.	Annual Examinations completed, and the result announced.
"	Sixth month 15th,	Second-day.	Meeting of the Board of Managers.
"	Sixth month 16th,	Third-day.	COMMENCEMENT.
"	Sixth month 17th,	Fourth-day.	Summer Vacation begins.
"	Ninth month 1st,	Third-day.	Examinations for admission begin.
"	Ninth month 3d,	Fifth-day.	Examinations for admission completed, and old Students return.
"	Ninth month 4th,	Sixth-day.	Regular Exercises begin.
"	Ninth month 8th,	Third-day.	Meeting of the Board of Managers.
"	Eleventh month 31st,	Second-day.	Meeting of the Board of Managers.
"	Twelfth month 1st,	Third-day.	Annual Meeting of the Stockholders.
"	Twelfth month 1st,	Third-day.	Meeting of the Board of Managers.
"	Twelfth month 24th,	Fifth day.	Holidays begin.
1875.	First month 4th,	Second-day.	Students return.
"	First month 5th,	Third-day.	Regular Exercises begin.

CORPORATION.

Officers.

CLERKS.

ISAAC H. CLOTHIER, SARAH F. CORLIES.

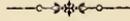
BOARD OF MANAGERS.

ISAAC STEPHENS,*	MARTHA G. McILVAIN,
S. B. WORTH,	ANNA M. HOPPER,
CLEMENT BIDDLE,	ÉLIZA H. BELL,
EDWARD TAYLOR,	CHARLES T. BUNTING,
JOHN D. HICKS,	HANNAH W. HAYDOCK,
ROBERT WILLETS,	ANNA M. FERRIS,
JOSEPH WHARTON,	MARY T. LONGSTRETH,
M. FISHER LONGSTRETH,	HENRY C. HALLOWELL,
EDWARD HOOPES,	RACHEL T. JACKSON,
WILLIAM H. MACY,	RACHEL M. BIDDLE,
ELLWOOD BURDSALL,	CAROLINE UNDERHILL,
B. RUSH ROBERTS,	ELIZABETH S. WORTH,
SAMUEL WILLETS,	JANE P. DOWNING,
WILLIAM DORSEY,	MARGARET G. CORLIES,
HUGH McILVAIN,	LOUISA M. STABLER,
DANIEL UNDERHILL,	ELIZABETH T. YARDLEY.

TREASURER.

CLEMENT M. BIDDLE, No. 513 Commerce Street, Philadelphia.

Officers and Committees of the Board.



PRESIDENT.

SAMUEL WILLETS.

SECRETARY.

M. FISHER LONGSTRETH.

AUDITORS.

M. FISHER LONGSTRETH, EDWARD TAYLOR.

INSTRUCTION.

CLEMENT BIDDLE,	HANNAH W. HAYDOCK,
JOHN D. HICKS,	HENRY C. HALLOWELL,
WILLIAM DORSEY,	M. FISHER LONGSTRETH,
ANNA M. HOPPER,	JOSEPH WHARTON.

MUSEUM.

JOSEPH WHARTON,	RACHEL T. JACKSON,
JOHN D. HICKS,	RACHEL M. BIDDLE,
EDWARD TAYLOR,	MARY T. LONGSTRETH.

ANSON LAPHAM REPOSITORY.

RACHEL T. JACKSON,	ANNA M. FERRIS,
ISAAC STEPHENS,	HENRY C. HALLOWELL.

FINANCE.

WILLIAM DORSEY,	EDWARD HOOPES,
	HUGH McILVAIN.

BUILDING.

HUGH McILVAIN,	EDWARD HOOPES,
S. B. WORTH,	ELLWOOD BURDSALL.

EXECUTIVE COMMITTEE.

EDWARD HOOPES,	RACHEL T. JACKSON,
HUGH McILVAIN,	ANNA M. HOPPER,
WILLIAM DORSEY,	MARTHA G. McILVAIN,
CLEMENT BIDDLE,	JANE P. DOWNING,
S. B. WORTH,	HANNAH W. HAYDOCK,
DANIEL UNDERHILL,	MARGARET G. CORLIES,
JOHN D. HICKS,	ANNA M. FERRIS,
ISAAC H. CLOTHIER,	ELIZABETH S. WORTH.

Faculty of Government.



THE PRESIDENT.

THE MATRON.

MARIA L. SANFORD.

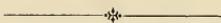
EUGÈNE PAULIN.

ARTHUR BEARDSLEY.

WILLIAM HYDE APPLETON.

THOMAS S. FOULKE.

Officers of Government and Instruction.



EDWARD H. MAGILL, A.M.,
PRESIDENT, AND PROFESSOR OF MENTAL AND MORAL PHILOSOPHY.

PHEBE W. FOULKE,
MATRON.

MARIA L. SANFORD,
PROFESSOR OF HISTORY.

EUGÈNE PAULIN, A.M.,
PROFESSOR OF THE LATIN AND FRENCH LANGUAGES.

ARTHUR BEARDSLEY, C.E.,
PROFESSOR OF APPLIED MATHEMATICS AND PHYSICS.

WILLIAM HYDE APPLETON, A.M., LL.B.,
PROFESSOR OF THE GREEK AND GERMAN LANGUAGES.

THOMAS S. FOULKE,
SUPERINTENDENT.

SUSAN J. CUNNINGHAM,
ASSISTANT PROFESSOR OF MATHEMATICS.

FREDERICK S. CURTIS, Ph.B.,
ASSISTANT PROFESSOR OF CHEMISTRY.

SUSAN W. JANNEY,
INSTRUCTOR IN PENMANSHIP AND BOTANY.

ELIZABETH G. MACY,
INSTRUCTOR IN ELOCUTION.

MARY L. AUSTIN,
INSTRUCTOR IN LATIN AND IN ENGLISH BRANCHES.

ESTHER J. TRIMBLE,
INSTRUCTOR IN ENGLISH LITERATURE, RHETORIC, AND ELOCUTION.

SAMUEL S. GREEN, B.S.,
INSTRUCTOR IN PHYSICS.

ELIZABETH S. OWEN,
INSTRUCTOR IN MATHEMATICS.

MARY P. H. ROCKWELL,
INSTRUCTOR IN LATIN, RHETORIC, AND COMPOSITION.

ELIZABETH PAULIN,
INSTRUCTOR IN FRENCH.

MARY M. COLEMAN,
INSTRUCTOR IN ENGLISH BRANCHES.

GEORGE W. INGRAHAM, A.B.,
INSTRUCTOR IN LATIN AND IN ENGLISH BRANCHES.

KATE LOUISE ROCKWELL,
LIBRARIAN.

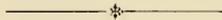
L. MARIA C. PIERCE, A.B.,
ASSISTANT INSTRUCTOR IN GERMAN AND IN ENGLISH BRANCHES.

ELIZABETH C. MILLER, A.B.,
ASSISTANT INSTRUCTOR IN FRENCH AND IN ENGLISH BRANCHES.

HETTY T. MOORE, A.B.,
ASSISTANT INSTRUCTOR IN MATHEMATICS.



NON-RESIDENT OFFICERS.



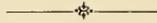
• JOSEPH LEIDY, M.D., LL.D.,
PROFESSOR OF NATURAL HISTORY.

SUSANNA P. CHAMBERS,
INSTRUCTOR IN FREE-HAND DRAWING.

LOUIS LEWIS,
INSTRUCTOR IN GYMNASTICS.



Students.



RESIDENT GRADUATES.

HELEN MAGILL, A.B.
ELIZABETH CLARKE MILLER, A.B.
HETTY TOWNSEND MOORE, A.B.
LYDIA MARIA CHILD PIERCE, A.B.



UNDERGRADUATES.

SENIOR CLASS.

CLASSICAL SECTION.

EVANS, ELLEN H.	. . . . .	West Chester.
HALL, AMY WILLIAMS	. . . . .	Swarthmore.
HIBBARD, MARY	. . . . .	Philadelphia.
PRICE, FERRIS WALTON	. . . . .	Philadelphia.
WOOLSTON, ELIZABETH STOCKTON	. . . . .	Mt. Washington, Md.

SCIENTIFIC SECTION.

HAVILAND, ALFRED TREDWAY	. . . . .	Millbrook, N. Y.
HOOPES, HERMAN	. . . . .	Philadelphia.

JUNIOR CLASS.

CLASSICAL SECTION.

BOOTH, JOHN BROOMALL	. . . . .	Chester.
CAVENDER, MARY	. . . . .	Philadelphia.
COMLY, HELEN TRUMP	. . . . .	Byberry.
HANES, LIZZIE	. . . . .	Woodstown, N. J.
HOOPER, EDITH ROBINSON	. . . . .	Titusville.
LIPPINCOTT, HOWARD WHITE	. . . . .	Philadelphia.
McILVAIN, MARTHA	. . . . .	Philadelphia.

JUNIOR CLASS.

SCIENTIFIC SECTION.

CORLIES, FRANKLIN HAINES	Poughkeepsie, N. Y.
HOOPES, BARTON, JR.	Philadelphia.
KEESE, OLIVER, JR.	Titusville.
LEWIS, JOHN REECE	Media.
RICHARDS, JOHN KELVEY	Ironton, O.
RIDGWAY, WILLIAM HANCE	Coatesville.

SOPHOMORE CLASS.

CLASSICAL SECTION.

BEDELL, MATILDA	Norristown.
BRADLEY, ARTHUR WADSWORTH	Germantown.
LINTON, FRANCES	Fox Chase.
LONGSTRETH, ELIZABETH JACKSON	Darby.
MAGILL, EUDORA	Swarthmore College.
MCILVAIN, EMMA	Philadelphia.
MITCHELL, EDWIN, JR.	Philadelphia.
MORRILL, SARAH HOLDEN	Vineland, N. J.
PRICE, LUCY	West Chester.
SMYTH, HERBERT WEIR	Wilmington, Del.
WALTER, EMILE	Englewood, N. J.
WILLITS, MARY	Maiden Creek.

SCIENTIFIC SECTION.

BASSETT, FRANK LIPPINCOTT	Salem, N. J.
MCCLURE, JAMES TRAQUAIR	Philadelphia.
SMEDLEY, ISAAC GARRETT	Willistown.
TAYLOR, MAHLON KIRKBRIDE	Burlington, N. J.

FRESHMAN CLASS.

CLASSICAL SECTION.

BRINGHURST, ANNA	Wilmington, Del.
CHANDLEE, ELIZA	Poughkeepsie, N. Y.
GROVER, RALPH WALDO	Earlville, Ill.
HILL, LIBBIE JANE	Erie.
JANNEY, REBECCA TALBOTT	Hillsboro', Va.
KIRBY, GEORGIANA BRUCE	Santa Cruz, Cal.
LUKENS, JOSEPH PAUL	Newport, Del.
MCDOWELL, CHARLES	Brooklyn, L. I.
MUSSER, EMMA ALDEN	Muncy.

NORTON, JESSE ROWLAND	Ironton, O.
PAINE, CHARLES WILLIAM	Philadelphia.
PEARSON, JAMES	Mercer.
POWELL, SALLIE WARE	Hancock's Bridge, N. J.
PRIESTLEY, ANNA SARAH	Northumberland.
REEDER, WATSON KENDERDINE	New Hope.
RICHARDSON, MAGGIE	Wilmington, Del.
RICHARDSON, MARY ANDREWS	Wilmington, Del.
ROBERTS, REBECCA HUNT	Burlington, N. J.
TAGGART, DAVID	Northumberland.
WILLETS, ISAAC D.	Flushing, L. I.
WILLIAMS, CARROLL REEVES	New Hope.
YEATMAN, MARIE FLORENCE	Fairville.

FRESHMAN CLASS.

SCIENTIFIC SECTION.

ALLDERDICE, WILLIAM HILLARY	Richmond, Va.
BARKER, WILLIAM S.	New Brighton.
BURDSALL, ELLWOOD, JR.	Port Chester, N. Y.
BURDSALL, RICHARD HOWARD	Port Chester, N. Y.
CHAMBERS, J. HOWARD	Wilmington, Del.
CHAMBERS, SIMON BERNARD	Philadelphia.
CORSON, NORMAN BENJAMIN	Norristown.
FRANKLIN, JOSEPH FREDERICK	Flushing, N. Y.
HALLOWELL, WILLIAM S.	Fairton, N. J.
HATCH, CHARLES EDWARD LEX	Titusville.
INGRAM, HARRY ATLEE	Philadelphia.
IVINS, HORACE FREMONT	Bristol.
JOHNSON, HELEN ROWLAND	Germantown.
KNIGHT, MARY LOUISA	Philadelphia.
LANG, JAMES TRAQUAIR	Media.
MERRITT, DANIEL TOBEY	Millbrook, N. Y.
OSBORN, FRANK	Middletown, N. J.
POTTS, GEORGE HENRY	New York City.
PRICE, GEORGE WARD	Chestnut Hill, Phila.
STEWART, THOMAS SELBY, JR.	Milton.
WATSON, HENRY WINFIELD	Attleborough.

STUDENTS PURSUING IRREGULAR OR PARTIAL COURSES.

BIDDLE, ANNE	Chadd's Ford.
BOLTON, PHILIP SCHUYLER	West Chester.
CANBY, LAURA	Baltimore, Md.
DOW, HERBERT GEORGE	Bangor, Me.
EYRE, CLARENCE PRESTON	Woodbury, N. J.
LOBDELL, FLORENCE DELANO	Wilmington, Del.
MCKINLEY, WILLIAM GIBSON	Harrisburg.
PEIRCE, HOWELL	South Charleston, O.
SHANNON, MARY MATILDA	Philadelphia.
WORTH, WILLIAM PENN	Coatesville.

S U M M A R Y .

Resident Graduates 4

UNDERGRADUATES.

CLASSICAL DEPARTMENT.

Senior Class	5
Junior Class	7
Sophomore Class	12
Freshman Class	22

SCIENTIFIC DEPARTMENT.

Senior Class	2
Junior Class	6
Sophomore Class	4
Freshman Class	21

Students pursuing Irregular or Partial Courses 10

Total 93

CLASSICAL DEPARTMENT.

FACULTY OF INSTRUCTION.

- EDWARD H. MAGILL, A.M., *President.*
PROFESSOR SANFORD, *History.*
PROFESSOR PAULIN, *Latin and French.*
PROFESSOR APPLETON, *Greek and German.*
PROFESSOR CUNNINGHAM, *Pure Mathematics.*
PROFESSOR CURTIS, *Chemistry and Physiology.*
PROFESSOR LEIDY, *Zoology, Comparative Anatomy, Comparative Physiology, Mineralogy, and Geology.*
SUSAN W. JANNEY, *Instructor in Botany.*
ELIZABETH G. MACY, *Instructor in Elocution.*
MARY L. AUSTIN, *Instructor in Latin.*
ESTHER J. TRIMBLE, *Instructor in English Literature, Rhetoric, and Elocution.*
SAMUEL S. GREEN, *Instructor in Physics.*
MARY P. H. ROCKWELL, *Instructor in Latin, Rhetoric, and Composition.*
ELIZABETH PAULIN, *Instructor in French.*
L. MARIA C. PIERCE, *Instructor in German.*

CONDITIONS OF ADMISSION.

Every applicant for admission must submit to the President satisfactory testimonials of good moral character; and students coming from another college must present certificates of honorable dismissal from the institution left.

Examinations for admission will be held on Third-, Fourth-, and Fifth-days, the 1st, 2d, and 3d of Ninth month, 1874. Candidates must present themselves at two o'clock P.M., on Third-day, the 1st of Ninth month.

To secure places, the accommodations being limited, applications for admission for the next scholastic year should be made, as early as possible, by letter to the President.

Candidates for admission to the Freshman Class will be examined on the following subjects and text-books, or their equivalents :

Latin.—Harkness's Grammar ; Harkness's Reader ; Harkness's Composition, first thirty lessons ; Cæsar's Gallic War, first three books ; and Virgil's Æneid, first two books.

French.—Magill and Paulin's First Lessons ; Magill's Grammar and Magill's Introductory Reader.

Mathematics.—Arithmetic ; Algebra, to Equations of the Second Degree ; Davies' Legendre's Geometry, first three books.

English.—English Grammar and Spelling ; Modern Geography, Descriptive and Physical ; Ancient Geography (Baird's Classical Manual) ; Physics (Rolfe and Gillet's Natural Philosophy) ; Barnes's History of the United States ; Anderson's History of England ; Smith's History of Greece.

Candidates for advanced standing must first be examined for admission to the Freshman Class ; then in all the *required* studies already gone over by the class for which they are offered, and in as many *elective* studies as they would have pursued if they had entered at the beginning of the course.

Especial attention is called to the importance of a thorough preparation in the studies required for admission. The want of this is a serious source of embarrassment to future progress, and is rarely repaired by subsequent study. The work is arranged for those only who enter the classes thoroughly prepared.

Students are not considered as regular members of the College until, after a residence of at least four months, they have been admitted to matriculation on satisfactory evidence of good moral character. Before this they are students on probation.

COURSE OF STUDY.

ELECTIVE STUDIES must be selected in the beginning of the year only, and, unless completed, must not be dropped or changed during the year.

A sufficient number of electives must be taken to make not less than *sixteen* nor more than *twenty-one* exercises per week, exclusive of those studies requiring no immediate preparation out of the classroom.

The required studies of each class in any course are among the electives for students *of that class* in any other course, if they are prepared to pursue them, and pass the necessary preliminary examination.

Students in any of the courses may receive instruction in **Phonography**, **Penmanship**, and **Free-hand Drawing**.

FRESHMAN CLASS.

I. Required Studies.

	<i>No. of Ex. per week.</i>
Latin. —Harkness's Grammar and Latin Prose Composition; Virgil's <i>Æneid</i> , Books III., IV.; Livy, Book XXI.	4
German. —Otto's Beginning German; Otto's Conversation Grammar; <i>Der Neffe als Onkel</i>	4
Mathematics. —Olney's Algebra, through Quadratic Equations; Davies' Legendre's Geometry, Books IV.—VI.; Chauvenet's Plane Trigonometry	4
History. —Liddell's History of Rome; Schmitz's Manual of Ancient History; Student's Gibbon	3
Chemistry. —Wilson's Inorganic Chemistry, with Lectures	2
Natural History. —Zoology; Comparative Anatomy; Comparative Physiology (Lectures)	1
Elocution. —Murdock and Russell's Vocal Culture; Coates's Speaker; Selections from English Classical Authors; Declamations	1
Rhetoric and Composition. —Hart's Rhetoric; Essays	1

II. Elective Studies.

Greek. —Hadley's Grammar; Boise's Xenophon's <i>Anabasis</i> , Books I., II.	3
French. —Magill's Grammar; <i>Siège de la Rochelle</i>	3
English Literature. —Cleveland's English Literature of the Nineteenth Century; Cleveland's Compendium of American Literature; Cleveland's Compendium of English Literature	2

SOPHOMORE CLASS.

I. Required Studies.

	<i>No. of Ex. per week.</i>
Latin. —Harkness's Grammar and Latin Prose Composition; Cicero's Orations; Livy, Book XXII.	4
German. —Otto's Conversation Grammar; Wilhelmi's Einer muss heirathen; Lessing's Minna von Barnhelm	4
Mathematics. —Gillespie's Surveying; Davies' Legendre's Geometry, Books VII.—IX. (four exercises per week first half-year)	2
English Literature. —Lectures on English and General Lit- erature (once a week first half-year)*	½
Shaw's Manual of English Literature and Lectures (four exercises per week last half-year)	2
Physics. —Atkinson's Ganot's General Physics; Lectures (Botany after 4th mo. 1st)	4
Natural History. —Zoology; Comparative Anatomy; Com- parative Physiology (Lectures)	1
Elocution. —Selections from Classical English Authors; De- clamations, Original and Selected	1
Rhetoric and Composition. —Quackenbos's Rhetoric; Essays	1

II. Elective Studies.

Greek. —Hadley's Grammar; Boise's Xenophon's Anabasis, Books III., IV.; Homer's Iliad, Books I.—III.; Jones and Boise's Greek Prose Composition; Goodwin's Greek Moods and Tenses	4
French. —Magill's Grammar; Fénelon's Télémaque; Dumas' Napoléon	3
History. —Student's History of France; History of England (Lectures)	3

* This course, for the present year, is delivered by Joseph Thomas, M.D., LL.D., of Philadelphia. The Lectures are attended by all the students of the Sophomore Class, in both departments, and such other members of the College classes as desire to do so.

JUNIOR CLASS.

*I. Required Studies.**No. of
Ex. per week.*

French. —Noël and Chapsal's Grammaire Abrégée; Fleury's Histoire de France; Magill's Prose and Poetry	4
English Literature. —Lectures on English and General Literature (once a week first half-year)	½
Political Economy. —John Stuart Mill's Principles of Political Economy	1
Natural History. —Lectures on Mineralogy and Geology (once a week last half-year)	½
Elocution. —Declamations, original and selected	1
Rhetoric and Composition. —Blair's Rhetoric; Abbott's Lessons in English; Essays	1

II. Elective Studies.

Latin. —Horace's Odes; Cicero's De Claris Oratoribus, De Senectute, and De Amicitia	4
German. —Schiller's Maria Stuart and Wilhelm Tell; Eichen-dorff's Aus dem Leben eines Taugenichts; Exercises in writing German	4
Greek. —Felton's Greek Historians; Plato's Apology and Crito.	4
History. —History of the United States (Lectures); History of Modern Europe (Lectures)	2
English Literature. —Shaw's Manual of English Literature, and Lectures	2

SENIOR CLASS.

I. Required Studies.

	<i>No. of Ex. per week.</i>
Mental Philosophy. —Wayland and Hamilton, with Lectures (once a week first half-year)	½
Moral Philosophy. —Wayland, with Lectures (once a week last half-year)	½
History. —Guizot's History of Civilization; De Tocqueville's Democracy in America	2
Natural History. —Lectures on Mineralogy and Geology (once a week last half-year)	½
Elocution. —Original Orations	1
Rhetoric and Composition. —Whately's Elements; Campbell's Philosophy of Rhetoric; Essays	1

II. Elective Studies.

Latin. —Horace's Satires and Epistles; Tacitus' Agricola and Germania; Selections from Juvenal	4
German. —Schiller's Geschichte des Abfalls der vereinigten Niederlande; Lessing's Emilia Galotti; Goethe's Egmont and Faust; Exercises in Writing German; History of German Literature (Lectures)	4
Greek. —Sophocles' Antigone; Euripides' Alcestis; Demosthenes' de Coronâ; History of Greek Literature (Lectures)	4
French. —Duruy's Histoire Grecque; Duruy's Histoire Romaine; Voltaire's Louis XIV; Madame de Staël's L'Allemagne; Compositions	4
English Literature. —Schlegel's Lectures on the History of Literature; Whitney's Language and the Study of Language	2



SCIENTIFIC DEPARTMENT.

FACULTY OF INSTRUCTION.

- EDWARD H. MAGILL, A.M., *President.*
PROFESSOR SANFORD, *History.*
PROFESSOR PAULIN, *Latin and French.*
PROFESSOR BEARDSLEY, *Applied Mathematics and Physics.*
PROFESSOR APPLETON, *Greek and German.*
PROFESSOR CUNNINGHAM, *Pure Mathematics.*
PROFESSOR CURTIS, *Chemistry.*
PROFESSOR LEIDY, *Zoology, Comparative Anatomy, Comparative Physiology, Mineralogy, and Geology.*
SUSAN W. JANNEY, *Instructor in Botany.*
ELIZABETH G. MACY, *Instructor in Elocution.*
ESTHER J. TRIMBLE, *Instructor in English Literature, Rhetoric, and Elocution.*
SAMUEL S. GREEN, *Instructor in Physics.*
MARY P. H. ROCKWELL, *Instructor in Rhetoric and Composition.*
ELIZABETH PAULIN, *Instructor in French.*
L. MARIA C. PIERCE, *Instructor in German.*

CONDITIONS OF ADMISSION.

The conditions of admission to the Scientific Department are the same as those for admission to the Classical Department, except that Latin is not required, although a knowledge of Latin accidence and a sufficient knowledge of the construction to read easy Latin Prose is earnestly recommended. It is also very desirable that all applicants for admission to this department should have had at least one year's instruction in Free-hand Linear Drawing.

In the courses of study which follow, it will be observed that in the requirements for the scientific degrees care has been taken to secure *general culture*, and not to make of students of this department mere chemists or engineers.

COURSES OF STUDY.

The studies named in the following courses are all REQUIRED STUDIES, the ELECTIVES being the same as those for students of the Classical Department.

The Rules for Elective Studies, given on pages 14, 15, are the same for the students of all the courses.

FRESHMAN CLASS.

	<i>No. of Ex. per week.</i>
Chemistry. —Wilson's Inorganic Chemistry, with Lectures	4
Graphics. —Construction of Plane Problems in Geometry; Projection Drawing	4
Mathematics. —Olney's Algebra, through Quadratic Equations; Davies' Legendre's Geometry, Books IV.—VI.; Chauvenet's Plane Trigonometry	4
German. —Otto's Beginning German; Otto's Conversation Grammar; Der Neffe als Onkel	4
History. —Liddell's History of Rome; Schmitz's Manual of Ancient History; Student's Gibbon	3
Natural History. —Zoology; Comparative Anatomy; Comparative Physiology (Lectures)	1
Elocution. —Murdock and Russell's Vocal Culture; Coates's Speaker; Selections from English Classical Authors; Declamations	1
Rhetoric and Composition. —Hart's Rhetoric; Essays	1

SOPHOMORE CLASS.

Chemistry. —Laboratory Practice; Qualitative Analysis—Johnson's Fresenius; Determinative Mineralogy—Elderhorst; Preparation of Reagents	4
Descriptive Geometry. —Orthographic Projections; Spherical Projections; Shades, Shadows, and Perspective, with Drawing	4
Physics. —Atkinson's Ganot's General Physics; Lectures (Botany after 4th mo. 1st)	4
Mathematics. —Gillespie's Surveying; Davies' Legendre's Geometry, Books VII.—IX.; Chauvenet's Spherical Trigonometry; Olney's Higher Algebra	4
German. —Otto's Conversation Grammar; Wilhelm's Einer muss heirathen (four exercises per week first half-year)	2

*No. of
Ex. per week.*

English Literature. —Lectures on English and General Literature (once a week first half-year)	1/2
Shaw's Manual of English Literature, and Lectures (four exercises per week last half-year)	2
Natural History. —Zoology; Comparative Anatomy; Comparative Physiology (Lectures)	1
Elocution. —Selections from Classical English Authors; Declamations, Original and Selected	1
Rhetoric and Composition. —Quackenbos's Rhetoric; Essays	1

JUNIOR CLASS.

I. Chemical Course.

Chemistry. —Quantitative Analysis—Johnson's Fresenius; Spectrum Analysis—Kirchhoff's Researches, Secchi's Le Soleil, Scheller's and Roscoe's Spectrum Analysis; Assaying—Mitchell, Crookes	4
Physics. —Acoustics; Optics; Heat; Electricity	4
Mathematics. —Olney's Analytical Geometry; Olney's Differential and Integral Calculus	4
French. —Noël and Chapsal's Grammaire Abrégée; Fleury's Histoire de France; Magill's Prose and Poetry	4
Political Economy. —John Stuart Mill's Principles of Political Economy, with Lectures	1
Natural History. —Lectures on Mineralogy and Geology (once a week last half-year)	1/2
Elocution. —Declamations, Original and Selected	1
Rhetoric and Composition. —Blair's Rhetoric; Abbott's Lessons in English; Essays	1

II. Engineering Course.

Applied Mathematics. —Analytical Mechanics of Solids and Fluids; <i>Geodesy</i> —Theory, Adjustment, and Use of Engineering Field Instruments; Farm Surveying; Leveling; Topographical, Triangular, and Hydrographical Surveying; Field Practice and	4
Physics. —Acoustics, Optics, Heat, Electricity; Astronomy—Determination of Time, Latitude, and Longitude	4

	<i>No. of Ex. per week.</i>
Graphics. —Topographical, Structure, and Machine Drawing; Principles of Mechanism; Visits to and Sketches of Special Machinery and Structures	4
Mathematics. —Olney's Analytical Geometry; Olney's Differential and Integral Calculus	4
French. —Noël and Chapsal's Grammaire Abrégée; Fleury's Histoire de France; Magill's Prose and Poetry	4
Political Economy. —John Stuart Mill's Principles of Political Economy, with Lectures	1
Natural History. —Lectures on Mineralogy and Geology (once a week last half-year)	½
Elocution. —Declamations, Original and Selected	1
Rhetoric and Composition. —Blair's Rhetoric; Abbott's Lessons in English; Essays	1

SENIOR CLASS.

I. Chemical Course.

Chemistry. —Quantitative Analysis continued, with Special Determinations; Wöhler's Mineral Analysis; Sutton's Volumetric Analysis; Crookes's Select Methods of Chemical Analysis; Original Investigation	10
Physics. —Work in the Physical Laboratory	4
Mental Philosophy. —Wayland and Hamilton, with Lectures (once a week first half-year)	½
Moral Philosophy. —Wayland, with Lectures (once a week last half-year)	½
Natural History. —Lectures on Mineralogy and Geology (once a week last half-year)	½
Elocution. —Original Orations	1
Rhetoric and Composition. —Whately's Elements; Campbell's Philosophy of Rhetoric; Essays	1

II. Engineering Course.

Engineering.—*Road Engineering*—Theory and Practice; *Physical Mechanics*—Friction and other resistances, Stress and Strength of Materials, Practical Hydraulics, Water Engineering, Practical Pneumatics; *Machines*—General

*No. of
Ex. per week.*

Theory of Machines, Theory of Prime Movers, Steam-Engines, Water-Wheels, Wind-Mills; <i>Constructions</i> —Stability of Structures, Building Materials, Foundations and Superstructures, Bridge Engineering; Field Practice and	4
Physics. —Work in the Physical Laboratory	4
Graphics. —Plans, Profiles, and Sections of Road Surveys; Machine and Structural Drawing	4
Mental Philosophy. —Wayland and Hamilton, with Lectures (once a week first half-year)	½
Moral Philosophy. —Wayland, with Lectures (once a week last half-year)!	½
Natural History. —Lectures on Mineralogy and Geology (once a week last half-year)	½
Elocution. —Original Orations	1
Rhetoric and Composition. —Whately's Elements; Campbell's Philosophy of Rhetoric; Essays	1



DEGREES.

THE Degree of A.B. is conferred upon students who complete the Classical Course, and pass the examinations in the same.

The Degree of B.S. is conferred upon students who complete either of the Scientific Courses, and pass the examinations in the same.

The Degree of A.M. will be given, three years after graduation, to all Bachelors of Arts who shall have engaged, during that period, in professional or literary studies, and who shall present an acceptable thesis.

The Degree of M.S. will be given, three years after graduation, to all Bachelors of Science of the Chemical Course who shall have engaged, during that period, in professional or scientific studies, and who shall present an acceptable thesis upon subjects pertaining to Chemistry or Physics.

The Degree of C.E. will be given, three years after graduation, to all Bachelors of Science of the Engineering Course who shall have engaged, during that period, in professional or scientific studies, and who shall present an acceptable thesis upon subjects pertaining to Civil Engineering.

The Second Degrees will also be conferred upon those Bachelors of Arts or of Science who, as Resident Graduates, shall continue their studies under the advice and direction of the Faculty for one year after graduation, and pass the examinations in the same.



GENERAL INFORMATION.

SITUATION.

SWARTHMORE COLLEGE is situated on the West Chester and Philadelphia Railroad, ten miles from Philadelphia. Cars leave the depot at Thirty-first and Chestnut Streets, West Philadelphia, ten times daily.

POST-OFFICE ADDRESS AND CITY OFFICE.

The Post-Office address is SWARTHMORE, DELAWARE CO., PA. Express packages may be sent to this address, or, if small, may be left in care of William Dorsey, 923 Market Street, Philadelphia. *No food except ripe fruit should in any case be sent to students.*

LIBRARIES.

The Libraries of the College now contain over two thousand volumes. Each department of study is supplied with a good and steadily increasing library of reference. The General Library is accessible to all the students, according to the rules established by the Faculty, and is open twice a week during term-time for the delivery of reading books, and daily for the delivery of books of reference needed by the students. It is open at all times to teachers and members of the household.

The Anson Lapham Repository, which contains a small but increasing collection of Friends' books, photographs of representative Friends, and manuscripts relating to the Society and its history, is at all times accessible to teachers, students, and members of the household.

PHYSICAL CULTURE.

Regular daily exercise in the open air is required of all the students, for which the extensive grounds connected with the College afford ample facilities. The gymnasium, which is well supplied with

suitable apparatus, is open every day for the voluntary exercise of boys and girls in separate classes. They also receive regular instruction from a teacher of Gymnastics. These exercises, which consist almost entirely of the so-called *light gymnastics*, are required of all the students, unless they bring a certificate from a physician that it would be injurious to their health to take them; but no effort is required which cannot be safely and profitably undertaken by any one in good health. Girls must be provided with dresses suitable for these exercises.

RELIGIOUS EXERCISES.

While care is taken to inculcate the doctrine that religion is a matter of practical daily life, and is not confined to the observance of set forms or the promulgation of religious tenets, the regular assembling for religious purposes is carefully observed. On First-day morning a religious meeting is held, attended by students, teachers, and members of the household, and occasionally by visiting Friends. The meeting is preceded by First-day school exercises, consisting of the recitation of passages of Scripture prepared by members of the different classes, and the reading of a portion of Scripture selected for the exercises of the following week. The exercises of each day are terminated by a general meeting for reading selected portions of Scripture, or other suitable books, and imparting such moral lessons as circumstances seem to require, followed by a period of silence before retiring for the night.

VISITING AND LEAVE OF ABSENCE.

Parents and guardians are especially requested not to visit their children at the College on the first day of the week, nor to ask permission for them to leave the College during term-time, unless circumstances render it necessary. Requests for leave of absence should in all cases be accompanied by reasons satisfactory to the Faculty.

Students may be visited, on week-days, by parents or guardians, or by near relatives or others approved by parents or guardians; but general visiting is discouraged. *Students must not be interrupted in their studies or recitations at any time.*

All persons who are interested in Education, and who are desirous of examining the methods of instruction and discipline at Swarthmore, will always be welcome, and should, when convenient, visit the institution between the hours of 8 A.M. and 12 M.

COMMENCEMENT AND VACATIONS.

Commencement Day is the third Third-day of Sixth month. The scholastic year commences eleven weeks thereafter, and continues forty-one weeks. Students are not admitted for a shorter period than the current scholastic year, but may enter at any time if prepared to join existing classes.

Besides the vacation of eleven weeks in summer, there will be a vacation of one week at Christmas.

OUTFIT.

Although no form of dress is prescribed for either sex, such simple attire as is appropriate to school-life is earnestly recommended. Ear-rings, bracelets, necklaces, and elaborately trimmed dresses are prohibited.

Students should be supplied with six towels, six napkins, two clothes-bags, a wrapper, slippers, an umbrella, and the requisite toilet articles. Girls must also be provided with gymnasium dresses. Every article must be marked with the full name of the owner.

USE OF TOBACCO.

The use of tobacco in any form being strictly prohibited, those addicted to its use, if not prepared to renounce it entirely, should not apply for admission.

EXPENSES.

For RESIDENT STUDENTS the price of board and tuition is \$350 per year, of which \$200 is payable in advance, and \$150 on the first of Second month.

For DAY SCHOLARS the price is \$200 per year, of which one-half is payable in advance, and the remainder on the first of Second month. The day scholars dine with the resident students.

A proportionate deduction is made to those students who enter after the opening of the scholastic year.

When a student is absent, from sickness, or other approved cause, for more than one month at a time, a return will be made at the rate of \$25 a month.

When a student is withdrawn for any approved cause, a return will be made at the same rate. The time of withdrawal is reckoned from

the date of a written application to that effect, directed to the President.

Students buy their own stationery and drawing instruments, and those who pursue the study of Practical Chemistry pay for the chemicals which they use in the Laboratory.

There is no additional charge in case of sickness except for doctor's fees, and extra expenses actually incurred.

Books are furnished for the use of students without expense, but they are held responsible for the abuse of these as well as of all other College property.

THERE ARE NO EXTRA CHARGES.

PAYMENTS.

Payments are to be made by check or draft to the order of CLEMENT M. BIDDLE, Treas., No. 513 Commerce Street, Philadelphia.



PREPARATORY SCHOOL.

GENERAL STATEMENT.

THIS school is intended to prepare students for the Classical and Scientific Departments of the College, or to furnish a good practical education to those desiring a shorter course. Most of the studies pursued are required of all, but few being optional, as experience has clearly shown that young students make much more satisfactory progress when pursuing a regular required course, even for a single year without any idea of graduation, than when they select all their studies for themselves. The course of study in this school, while it is an essential preparation for the two departments of the College, is also believed to be the best training for those whose means or circumstances require that they should finish their studies in the Preparatory School, or before reaching the end of the College course. Attention is invited to the course of study as here arranged, and the various Preparatory Schools among Friends throughout the country are requested to conform to it, as far as practicable, and prepare students to enter our Freshman Class either in the classical or the scientific course. To secure this end, a thorough mastery of the elementary principles of the *subject* taught, and not a mere knowledge of the text-books required, is most earnestly recommended. Subsequent study can rarely, if ever, atone for deficient preparation.

ORGANIZATION.

This school is at present divided into three classes, A, B, and C. Classes A and B are divided into classical and scientific sections, preparing for these respective departments in the College. Class C will be given up in 1876, and the requirements will, at the same time, be advanced to the requirements for entering Class B as at present organized.

GOVERNMENT AND INSTRUCTION.

The students of the Preparatory School are under the same general management as the College classes. With a few exceptions, the same general rules are applicable to both, and the students of this school receive instruction from teachers employed especially for this purpose, and also from professors and instructors of the College.

EXPENSES, Etc.

The expenses of students of this school are the same as those of students of the College classes, and the various remarks under the head of GENERAL INFORMATION* in the College Catalogue are applicable alike to the College and Preparatory School.

CONDITIONS OF ADMISSION TO THE PREPARATORY SCHOOL.

Applicants for admission must be at least thirteen years old, and should submit to the President, from their last teacher, satisfactory testimonials of good moral character.

Examinations for admission will be held on Third-, Fourth-, and Fifth-days, the 1st, 2d, and 3d of Ninth month, 1874. Candidates must present themselves at two o'clock P.M., on Third-day, the 1st of Ninth month. To secure places, the accommodations being limited, applications for admission for the next scholastic year should be made, as early as possible, by letter to the President.

Candidates for admission to Class C will be examined as follows :

In Elements of English Grammar, embracing a knowledge of the Parts of Speech, and their uses; Reading and Spelling; Geography of the United States; Arithmetic, through Decimal Fractions.

None who are not sufficiently advanced in their studies to undergo this examination should present themselves for admission, as the third or lowest division of Class C is to be given up at the close of the present scholastic year.

Candidates for admission to the advanced classes of the Preparatory School will be further examined in the studies of the classes below that which they propose to enter.

* See pages 25-28.

COURSES OF STUDY.

ELECTIVE STUDIES.

THE elective studies in *all* the classes of the Preparatory School are **Natural History** (lectures), **Phonography**, and **Free-hand Drawing**. **Latin** and **French** are also elective studies in Class C.

CLASS C.

*No. of
Ex. per week.*

Arithmetic. —Brooks's Normal Written and Brooks's Normal Mental Arithmetic, through Percentage	4
Geography. —Guyot's Grammar School Geography; Map Drawing	4
Grammar. —Brown's First Lines of English Grammar	4
Reading and Speaking. —Phonetic Spelling; Enunciation of Words; Monroe's Fifth Reader; Declamations	3
Spelling. —Leach's Speller, and Dictations	2
Composition	1
Writing	3

Elective Studies.

Latin. —Harkness's Introductory Latin Book	2
French. —Magill and Paulin's First Lessons in French	2

CLASSICAL DEPARTMENT OF THE PREPARATORY SCHOOL.

CLASS B.

No. of
Ex. per week.

Latin. —Harkness's Grammar and Reader; Cæsar begun	4
French. —Magill and Paulin's First Lessons in French; Magill's Introductory French Reader	3
Arithmetic. —Brooks's Normal Written and Brooks's Normal Mental Arithmetic, completed	4
Geography. —Warren's Physical Geography	2
History. —Barnes's History of the United States; Anderson's History of England	4
Reading and Speaking. —Phonetic Spelling; Enunciation of Words; Hillard's Fifth Reader; Declamations	2
Spelling. —Leach's Speller, and Dictations	2
Composition	1
Writing	2

CLASS A.

Latin. —Harkness's Grammar; Harkness's Latin Prose Compo- sition, first thirty lessons; Cæsar's Gallic War, through Book III. ; Virgil's Æneid, first two books	4
French. —Magill's French Grammar; Magill's Introductory French Reader	3
Mathematics. —Brooks's Algebra, to Quadratic Equations; Davies' Legendre's Geometry, Books I.—III.	4
Physics. —Rolfe and Gillet's Natural Philosophy	2
Uranography. —(Twice a week first half-year)	1
Physiology. —(Twice a week last half-year)	1
History and Geography. —Smith's History of Greece; Baird's Classical Manual; Review of the History of the United States, and England	3
Reading and Speaking. —Hillard's Sixth Reader; Murdock and Russell's Vocal Culture; Declamations	2
Spelling. —General Exercises upon Lists of Difficult Words; Dictations	2
Composition	1
Writing	2

SCIENTIFIC DEPARTMENT OF THE PREPARATORY SCHOOL.

CLASS B.

*No. of
Ex. per week.*

Arithmetic.—Brooks's Normal Written and Brooks's Normal Mental Arithmetic, completed	4
*English Grammar.—Brown's Institutes of English Grammar	4
French.—Magill and Paulin's First Lessons in French; Magill's Introductory French Reader	3
Geography.—Warren's Physical Geography	2
History.—Barnes's History of the United States; Anderson's History of England	4
Reading and Speaking.—Phonetic Spelling; Enunciation of Words; Hillard's Fifth Reader; Declamations	2
Spelling.—Leach's Speller, and Dictations	2
Composition	1
Writing	2

CLASS A.

Mathematics.—Brooks's Algebra, to Quadratic Equations; Davies' Legendre's Geometry, Books I.—III.	4
Graphics.—Free-hand Linear Drawing	2
Physics.—Rolfe and Gillet's Natural Philosophy	2
*English Grammar.—Analysis and Parsing; Merchant of Venice	4
French.—Magill's French Grammar; Magill's Introductory French Reader	3
Uranography.—(Twice a week first half-year)	1
Physiology.—(Twice a week last half-year)	1
History and Geography.—Smith's History of Greece; Baird's Classical Manual; Review of the History of the United States, and England	3
Reading and Speaking.—Hillard's Sixth Reader; Murdock and Russell's Vocal Culture; Declamations	2
Spelling.—General Exercises upon Lists of Difficult Words; Dictations	2
Composition	1
Writing	1

* Latin may be substituted for English Grammar in this course, at the request of parents or guardians.

List of Students of the Preparatory School.

CLASS A.

CLASSICAL SECTION.

BURR, CAROLINE ELIZABETH	Germantown.
DÁVISON, ALEXANDER YOUNG	Morton.
DAWSON, HOWARD	Plainfield, N. J.
ELY, SALLIE WILHELMINA	Lambertville, N. J.
FOWLER, CHARLOTTE ELIZABETH	Orange, N. J.
GLEIM, ANNA COOK	Lebanon.
GOULD, REBEKAH WRIGHT	Hudson, N. Y.
HALL, ESTELLE	West Chester.
HALLOWELL, MARY ASHBRIDGE	Horsham.
HALLOWELL, MARY PAUL	Horsham.
HAWKINS, CHARLES AUGUSTINE	Cincinnati, O.
JONES, ABBIE CONRAD	Conshohocken.
LOFLIN, ELLA	Philadelphia.
MARTIN, EDWARD	Germantown.
MULFORD, ELLA	Millville, N. J.
PANCOAST, SALLIE EMMA	Philadelphia.
PORTER, FLORENCE MARIA	Titusville.
PURDY, GEORGE WASHINGTON, JR.	Cold Spring, N. Y.
SMITH, GEORGE PEYTON	Philadelphia.
SMITH, MARY ELIZABETH	Philadelphia.
VALENTINE, MARY JANE	Glen Cove, L. I.

CLASS A.

SCIENTIFIC SECTION.

BATTELLE, WILLIAM SMULL	Philadelphia.
BIDDLE, MARTHA CANBY	Philadelphia.
CHAMBERS, JOHN PAUL	Philadelphia.
DEACON, GEORGE HARTLEY	Mount Holly, N. J.
DELL, FRANK PIERCE	Philadelphia.

FIELD, HENRY CROMWELL	Brooklyn, L. I.
GRISCOM, WALTER DAVIS	Salem, N. J.
HALL, WILLIAM JOHN	West Chester.
JOHNSON, LLEWELLYN HASKELL	Orange, N. J.
LIPPINCOTT, ELISHA EDEN	Long Branch, N. J.
LOBDELL, ALICE DIKE	Wilmington, Del.
MCALLISTER, HARRY	Wallingford.
MCALLISTER, OSWALD	Wallingford.
MILLER, HANNAH JOHN	Media.
MUDGE, HENRY WILLETS	Glen Cove, L. I.
PALMER, FRANCIS JACKSON	Brooklyn, L. I.
POWNALL, JOHN GEST	Christiana.
RANDOLPH, NATHANIEL ARCHER	Chadd's Ford.
SEAMAN, SAMUEL JACKSON UNDERHILL .	Jericho, L. I.
SEAMAN, WILLIAM	Brooklyn, L. I.
SHARP, BENJAMIN	Germantown.
SHOEMAKER, CHARLES HARRY	Philadelphia.
WEBSTER, MARY ADELAIDE	Fanwood, N. J.
WILLIAMS, HOWARD	Goshenville.

CLASS B.

CLASSICAL SECTION.

ALBERTSON, SILAS LYON	Roslyn, L. I.
BARNARD, ELIZABETH HANNAH	Doe Run.
BEATTY, JOHN FRANKLIN	Media.
BUNTING, HARRY MULFORD	Philadelphia.
CONROW, HOWARD F.	Philadelphia.
DORSEY, FRANCES	Germantown.
ERRINGTON, GEORGE EATON	Staten Island, N. Y.
FENDER, WILLIAM PRESTON	Ralston.
FRENCH, CATHERINE ANN	Philadelphia.
HOPPER, LESLEY	Baltimore, Md.
HUFNAL, HENRY GLENN	Oakdale.
LEISENRING, WALTER	Upper Lehigh.
LINDERMAN, HENRY RICHARD	Washington, D. C.
LLOYD, CHARLES WHITE	Philadelphia.
LLOYD, MORRIS	Philadelphia.
LOVETT, MARGARET THOMPSON	Penn's Manor.
MAGILL, BEATRICE	Swarthmore College.
MILLER, CHARLES ROBERT	West Chester.
NEWHALL, ANNA PETERSON	Germantown.

PAULIN, AMÉLIE ANTOINETTE	Swarthmore College.
PAXSON, HELEN FISHER	West Chester.
RIEGEL, HARRY	Philadelphia.
SINN, HOWARD	Philadelphia.
TAGGART, JAMES MCCURLEY	Litiz.
WEBSTER, JOSEPH GOLDIE	Fanwood, N. J.
WHITE, JOSEPHINE	Yardleyville.

CLASS B.

SCIENTIFIC SECTION.

BAILEY, JOSEPH TROWBRIDGE, JR.	Philadelphia.
EDGERTON, THEODORE TRACY	Brooklyn, N. Y.
GILLINGHAM, HELEN DIKE	Philadelphia.
GILLINGHAM, MARY ELIZABETH	Moorestown, N. J.
HALL, HARRISON C.	Swarthmore.
HALLOWELL, FANNY	Huntingdon Valley.
HUNT, JOSHUA	Catasauqua.
LIPPINCOTT, CHARLES CASSIDY	Marlton, N. J.
MERRITT, ANNA FROST	Poughkeepsie, N. Y.
MORRIS, ELIZABETH	Philadelphia.
PENROSE, GEORGE DILKS	Maiden Creek.
SCATTERGOOD, ISRAEL MIDDLETON	Moorestown, N. J.
SHARP, LEEDOM	Germantown.
SHOEMAKER, CLARA HARPER	Jenkintown.
SPEAKMAN, HORACE	Philadelphia.
STELWAGON, WEIGHTMAN	Philadelphia.
STOCKER, LIBBIE ALLISON	St. Clair.
TAYLOR, HENRY MENDINHALL	Wilmington, Del.
WILLIAMS, JULIA MATILDA	Newark, N. J.
WILLIAMSON, CYNTHIA JENNIE	Jamaica, L. I.
WRIGHT, FRANCES PALMER	Germantown.

CLASS C.

ABBOTT, CHARLES WALLAR	Bethlehem.
ALBERTSON, CARRIE	Roslyn, L. I.
ALBERTSON, IDA	Roslyn, L. I.
AMES, GEORGIANNA BUCKHAM	Titusville.
BOND, ALFRED HUIDEKOPER	Germantown.
BOND, GEORGE GORHAM	Germantown.
BRODHEAD, WESSALES	Media.
BROOMALL, HARRY LEWIS	Media.

BRUERE, JOHN HANKENS	Recklesstown, N. J.
BURR, WALTER LINCOLN	Philadelphia.
CANBY, WILLIAM, JR.	Baltimore, Md.
COMLY, ESTHER SHALLCROSS	Holmesburg.
COMLY, JOHN IREDELL	Horshamville.
CONE, LORENZO HALL	Bristol.
CORLIES, MARGARET LONGSTRETH	Philadelphia.
DANKEL, NATHANIEL	Alburtis.
DAVISON, LEWIS DREXEL	Morton.
DICKSON, FANNY WALLACH	New York City.
EDGE, JOSEPH GEORGE	Long Branch, N. J.
ELLISON, JOHN BARKER	Philadelphia.
FRENCH, CLARA ANGELINA	Philadelphia.
FRENCH, MAGGIE BAVINGTON	Haddonfield, N. J.
FRENCH, SAMUEL HARRISON	Philadelphia.
GLOVER, JAMES	Mt. Ephraim, N. J.
GRAY, EUGENE WESLEY	Lock Haven.
HANKINS, MARY BELLE	Connerville, Ind.
HOPPER, GEORGE	Baltimore, Md.
LEE, WILLIAM FAWKES	West Chester.
LEEDOM, CHARLES	Philadelphia.
LEWIS, JOHN HOWARD	Oakdale.
LOVETT, GEORGE SIDNEY	Washington, D. C.
MAGILL, GERTRUDE BURLEIGH	Swarthmore College.
MAITLAND, EDWARD VINCENT	Philadelphia.
MAITLAND, VIRGINIA KATHRINE	Philadelphia.
MCILVAIN, EDWIN PEARSON	Chester.
MCILVAIN, HARRY SPENCER	Chester.
MCILVAIN, JAMES STERLING	Mt. Holly, N. J.
MOORE, THOMAS LEGGETT	Sandy Spring, Md.
MORRELL, ANNIE	Brooklyn, L. I.
MUSSER, FRANCIS REBER	Muncy.
PARKE, THOMAS	Trenton, N. J.
PASSMORE, MARY CATHERINE	West Chester.
PAULIN, EUGÈNE, JR.	Swarthmore College.
PETERSON, JOHN BOUVIER	Philadelphia.
POLK, WILLIAM, JR.	Odessa, Del.
PORTER, ALTAMONT WILSON	Titusville.
POTTS, FREDERICK	New York City.
POUND, ROBINSON	Eatontown, N. J.
PRICE, HARRIE BERTSCH	Upper Lehigh.

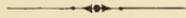
RAMSAY, JAMES B., JR.	. . . . .	Philadelphia.
REED, LORING WOODS	. . . . .	New Castle, Ind.
RICE, PHILIP HALLOWELL	. . . . .	Media.
ROOTS, MARY BELLE	. . . . .	Connersville, Ind
ROWLAND, HENRY WARD BEECHER	. . . . .	Media.
SCATTERGOOD, GEORGE KIEM	. . . . .	Moorestown, N. J.
SCHULTZ, EULA	. . . . .	Ellenville, N. Y.
SCOTT, TOWNSEND, JR.	. . . . .	Baltimore, Md.
SHALKOP, ALONZO HAGY	. . . . .	Philadelphia.
SHOEMAKER, ALVIN TOMLINSON	. . . . .	Baltimore, Md.
SMEDLEY, HARRY LEEDOM	. . . . .	Media.
SMITH, JAMES CHALMERS	. . . . .	Philadelphia.
SPEAKMAN, LILLIAN HARVEY	. . . . .	Chester.
STELWAGON, FRANK MELVILLE	. . . . .	Philadelphia.
STEWART, GEORGE CHILDS	. . . . .	Baltimore, Md.
STRAUS, LOUIS NAPOLEON BONAPARTE	. . . . .	Philadelphia.
TOMLINSON, LAURA	. . . . .	Huntingdon Valley.
TRAVILLA, ELIZABETH NEWPORT	. . . . .	West Chester.
TRUMP, JULIA EPLEY	. . . . .	Jersey Shore.
WALTER, HELEN	. . . . .	Englewood, N. J.
WHITELOCK, ELIZABETH STOCKTON	. . . . .	Mt. Washington, Md.
WILBUR, WARREN ABBOTT	. . . . .	Bethlehem.
WILLIAMSON, JOHN NICHOLAS	. . . . .	Jamaica, L. I.
WILLIS, GILBERTA	. . . . .	Philadelphia.
WILLITS, SAMUEL	. . . . .	Maiden Creek.
WILSON, ANNA BEULAH	. . . . .	Connersville, Ind.
WOOD, HENRY SHOTWELL	. . . . .	Bristol.
WOOD, ANNA MARIA	. . . . .	Winchester, Va.
YOUNG, ALEXANDER	. . . . .	Morton.

UNCLASSIFIED STUDENTS.

DAVIS, MAYBELL PAULINA	. . . . .	Providence, R. I.
MOORE, SALLIE MARIA	. . . . .	Orange, N. J.
ROOT, ANNA CORNELIA	. . . . .	Port Chester, N. Y.
TAYLOR, HELEN	. . . . .	West Chester.
VAIL, FRANCIS NEWTON	. . . . .	Newburg, N. Y.
WEIDNER, HENRY NORTON	. . . . .	Chester.

SUMMARY.

Class A	45
Class B	47
Class C	78
Unclassified Students	6
	<hr/>
Total in Preparatory School	176



GENERAL SUMMARY
OF THE
COLLEGE AND PREPARATORY SCHOOL.

Resident Graduates	4
Seniors	7
Juniors	13
Sophomores	16
Freshmen	43
Students pursuing Irregular or Partial Courses with the Col- lege Classes	10
Preparatory Students (regular)	170
Unclassified Students in the Preparatory School	6
	<hr/>
Total	269

SUMMARY BY STATES.

Pennsylvania	165
New Jersey	35
New York	32
Maryland	11
Delaware	10
Ohio	4
Indiana	4
Virginia	3
District of Columbia	2
Maine	1
Rhode Island	1
Illinois	1
California	1
	<hr/>
Total	269

WEEKLY PROGRAMME OF EXERCISES.

The letters indicate the class-room in which the recitation is held.

	SENIOR CLASS.	JUNIOR CLASS.	SOPHOMORE CLASS.	FRESHMAN, CLASSICAL.
SECOND-DAY.	8.00—8.45 8.45—9.30 10.00—10.45 10.45—11.30 2.00—2.45 2.45—3.30 3.30—4.15	German, N. Latin, F. App. Mathematics, R. Pure Mathematics, R. French, F. Pure Math., M, or Greek, N. Political Economy, Lyc.	History, S. Chem. (Sci.), Mus., or Greek, N. Pure Mathematics, M. French, F. German, N. Latin, F, or Descriptive Geom., R. Descriptive Geom., R.	Pure Mathematics, M. Literature, L. French, H, or Latin (bg.), I. History, Lyc. German, K. Physics, Mus.
THIRD-DAY.	8.00—8.45 8.45—9.30 10.00—10.45 10.45—11.30 2.00—2.45 2.45—3.30 3.30—4.15	Latin, F, or Drawing, R. Drawing, R. French, F. Pure Mathematics, M. App. Physics, R. Greek, N. German, N.	History, S. Chem. (Sci.), Mus., or Greek, N. Pure Mathematics, M. French, F. German, N. Latin, F, or Descriptive Geom., R. Chemistry (Cl.), Lyc.	Pure Mathematics, M. Greek, N. Latin (bg.), I. Latin, I. German, K. Physics, Mus.
4TH-DAY.	8.00—8.45 8.45—9.30 10.00—11.30	History, S. Rhet. and Comp., L. Elocution, Lyc.	Literature, L. Elocution, Lyc. Lecture on Nat. Hist., Mus.	French, H. Latin, I. Lecture on Nat. Hist., Mus.
FIFTH-DAY.	8.00—8.45 8.45—9.30 10.00—10.45 10.45—11.30 2.00—2.45 2.45—3.30 3.30—4.15	Latin, F, or Engineering, R. Engineering, R. French, F. Pure Mathematics, M. Literature, L, or App. Phys., R. Greek, N. German, N.	History, S. Chem. (Sci.), Mus., or Greek, N. Pure Mathematics, M. French, F. Latin, F. Chem. (Cl.), Mus.	Pure Mathematics, M. Literature, L, or Greek, N. French, H, or Latin (bg.), I. History, Lyc. Elocution, Lyc. Latin, I.
SIXTH-DAY.	8.00—8.45 8.45—9.30 10.00—10.45 10.45—11.30 2.00—2.45 2.45—3.30 3.30—4.15	Latin, F, or Drawing, R. Drawing, R. French, F. Pure Mathematics, M. App. Physics, R. Greek, N. German, N.	Chem. (Sci.), Mus., or Greek, N. Pure Mathematics, M. Rhet. and Comp., F. German, N. Latin, F, or Descriptive Geom., R. Elocution, Lyc.	Pure Mathematics, M. Greek, N. History, Lyc. Latin, I. German, K. Physics, Mus. Latin, (bg.), I.
7TH-DAY.	8.00—8.45 8.45—9.30 9.30—10.15	History, S. Lecture on Eng. Lit., Lyc.	Literature, L. Lecture on Eng. Lit., Lyc.	Rhet. and Comp., F. Lecture on Eng. Lit., Lyc.

The exercises in Free-hand Drawing are held in room O, on Second-, Third-, and Fifth-day afternoons.

WEEKLY PROGRAMME OF EXERCISES.

The letters indicate the class-room in which the recitation is held.

	FRESHMAN, SCIENTIFIC.	A, CLASSICAL.	A, SCIENTIFIC.	B, CLASSICAL.
SECOND-DAY.	8.00—8.45 German, K. Literature, L. 8.45—9.30 French, H. 10.00—10.45 History, Lyc. 2.00—2.45 Pure Mathematics, M. 2.45—3.30 Physics, Mus. 3.30—4.15	Latin, G. Mathematics, E. Latin (bg.), I. Physics, Mus. Physiology, Mus. Composition, L.	French, H. Mathematics, E. Eng. Gram., G. Elocution, Lyc. Writing, D.	History, Lyc. Arithmetic, E. Reading and Speaking, I. Latin, I.
THIRD-DAY.	8.00—8.45 Greek, N. 8.45—9.30 Projection Drawing, R. 10.00—10.45 Projection Drawing, R. 2.00—2.45 Pure Mathematics, M. 2.45—3.30 Physics, Mus. 3.30—4.15	Latin, G. Mathematics, E. French, H, or Latin (bg.), I. Spelling, Lyc. History, Lyc.	Mathematics, E. Eng. Gram., G. Spelling, Lyc. History, Lyc. Geometrical Drawing, R. Physics, Mus. Writing, D.	French, H. History, Lyc. Spelling, G. Composition, E. Geography, J. Latin, I. Writing, D.
4TH DAY.	8.00—8.45 French, H. 8.45—9.30 Rhet. and Comp., F. 10.00—11.30 Nat. Hist., Mus.	Elocution, Lyc. French, H.	Physics, Mus. Writing, D.	Writing, D.
FIFTH-DAY.	8.00—8.45 German, K. 8.45—9.30 Literature, L, or Greek, N. 10.00—10.45 French, H. 10.45—11.30 History, Lyc. 2.00—2.45 Pure Mathematics, M. 2.45—3.30 Projection Drawing, R. 3.30—4.15	Latin, G. Mathematics, E. Latin (bg.), I. History, Lyc. Writing, D.	French, H. Mathematics, E. Eng. Gram., G. Physiology, Mus. History, Lyc. Elocution, Lyc.	French, H. History, Lyc. Arithmetic, E. Reading and Speaking, I. Latin, I.
SIXTH-DAY.	8.00—8.45 Elocution, Lyc. 8.45—9.30 Greek, N. 10.00—10.45 History, Lyc. 10.45—11.30 Projection Drawing, R. 2.00—2.45 Pure Mathematics, M. 2.45—3.30 Physics, Mus. 3.30—4.15	Latin, G. Mathematics, E. French, H. Spelling, Lyc. History, Lyc. Latin (bg.), I.	Composition, L. Mathematics, E. Eng. Gram., G. Spelling, Lyc. History, Lyc. Geometrical Drawing, R.	French, H. History, Lyc. Arithmetic, E. Latin, I. Geography, J.
7TH DAY.	8.00—8.45 German, K. 8.45—9.30 Lecture on Eng. Lit., Lyc. 9.30—10.15 Lecture on Eng. Lit., Lyc.	Elocution, Lyc. Physics, Mus. Writing, D.	French, H. Physics, Mus.	Writing, D. Spelling, G.

The exercises in Free-hand Drawing are held in room O, on Second-, Third-, and Fifth-day afternoons.

WEEKLY PROGRAMME OF EXERCISES.

The letters indicate the class-room in which the recitation is held.

	B, SCIENTIFIC.	CLASS C 1.	CLASS C 2.	CLASS C 3.
SECOND-DAY.	8.00—8.45 8.45—9.30 10.00—10.45 10.45—11.30 2.00—2.45 2.45—3.30 3.30—4.15 8.00—8.45 8.45—9.30 10.00—10.45 10.45—11.30 2.00—2.45 2.45—3.30 3.30—4.15	Latin, I, or French, E. Reading and Speaking, I. Geography, K. Writing, D. (n) Eng. Gram., G. Writing, D. (o) Arithmetic, E. Latin, I, or French, E. Reading and Speaking, I. Geography, K. Writing, D. (n) Eng. Gram., G. Arithmetic, E. Spelling, K.	Latin, I, or French, E. Eng. Gram., G. Geography, J. Arithmetic, E. Latin, I, or French, E. Geography, J. Writing, D. Arithmetic, E. Reading and Speaking, J. Spelling, E. Eng. Gram., G.	Latin, I, or French, E. Eng. Gram., J. Writing, D. Geography, J. Reading and Speaking, H. Arithmetic, M. Latin, I, or French, E. Eng. Gram., J. Writing, D. Geography, J. Reading and Speaking, H. Arithmetic, M. Spelling, M.
THIRD-DAY.	8.00—8.45 8.45—9.30 10.00—10.45 10.45—11.30 2.00—2.45 2.45—3.30 3.30—4.15	Latin, I, or French, E. Reading and Speaking, I. Geography, K. Writing, D. (n) Eng. Gram., G. Arithmetic, E.	Latin, I, or French, E. Eng. Gram., G. Geography, J. Writing, D. Arithmetic, E. Reading and Speaking, J.	Latin, I, or French, E. Eng. Gram., J. Writing, D. Geography, J. Reading and Speaking, H. Arithmetic, M.
FOURTH-DAY.	8.00—8.45 8.45—9.30 10.00—10.45 10.45—11.30	Spelling, K.	Latin, I, or French, E. Eng. Gram., G.	Latin, I, or French, E. Eng. Gram., J.
FIFTH-DAY.	8.00—8.45 8.45—9.30 10.00—10.45 10.45—11.30 2.00—2.45 2.45—3.30 3.30—4.15	Latin, I, or French, E. Reading and Speaking, I. Geography, K. Writing, D. (n) Eng. Gram., G. Arithmetic, E.	Latin, I, or French, E. Eng. Gram., G. Geography, J. Writing, D. Arithmetic, E.	Latin, I, or French, E. Eng. Gram., J. Writing, D. Geography, J. Reading and Speaking, H. Arithmetic, M.
SIXTH-DAY.	8.00—8.45 8.45—9.30 10.00—10.45 10.45—11.30 2.00—2.45 2.45—3.30 3.30—4.15	Latin, I, or French, E. Composition, I. Geography, K. Writing, D. (o) Eng. Gram., G. Arithmetic, E.	Latin, I, or French, E. Writing, D. Composition, I. Geography, J. Arithmetic, E. Reading and Speaking, J.	Latin, I, or French, E. Eng. Gram., J. Writing, D. Geography, J. Arithmetic, M.
SEVENTH-DAY.	8.00—8.45 8.45—9.30 9.30—10.15	Reading and Speaking, I. Writing, D. Composition, K.	Spelling, E. Reading and Speaking, J. Eng. Gram., G.	Spelling, J. Composition, J.

The exercises in Free-hand Drawing are held in room O, on Second-, Third-, and Fifth-day afternoons.

MINUTES

OF THE

TENTH ANNUAL MEETING

OF THE

STOCKHOLDERS

OF

SWARTHMORE COLLEGE,

HELD

TWELFTH MONTH, SECOND,

1873.

MINUTES.

At the Tenth Annual Meeting of the Stockholders of Swarthmore College, held at Race Street Meeting House, Philadelphia, Twelfth month 2d, 1873, according to public notice given, as required by the Charter :

One of the clerks being absent, Lydia W. Parrish was appointed Clerk for the Day.

The Minutes of the last Annual Meeting were read and approved.

The Report of the Board of Managers was read, and the action of the Board, as therein set forth, was approved and confirmed. The Report of the Treasurer was also read and approved, and both reports were referred to the incoming Board for publication.

The terms of office of the following Managers expired at this time :

Samuel Willets,	Jane P. Downing,
William Dorsey,	Margaret G. Corlies,
Hugh McIlvain,	Louisa M. Stabler,
Daniel Underhill,	Elizabeth T. Yardley.

Robert Willets, Ellwood Burdsall, Henry C. Hallowell, Hannah W. Haydock, Joseph Matthews, Anna M. Hopper, Edward Hoopes, Susan M. Parrish, William P. Bancroft, Henry M. Laing, and Isaac H. Clothier were appointed to nominate the officers of the Corporation required by the Charter,—*i.e.* two Clerks, a Treasurer, and eight Friends, who are Stockholders, to fill the vacancies in the Board of Managers.

Daniel Underhill, Thomas H. Speakman, and B. Rush Roberts were appointed Inspectors of Election.

The Nominating Committee made the following report :

CLERKS.

ISAAC H. CLOTHIER,	SARAH F. CORLIES.
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MANAGERS FOR FOUR YEARS.

SAMUEL WILLETS,	JANE P. DOWNING,
WILLIAM DORSEY,	MARGARET G. CORLIES,
HUGH MCILVAIN,	LOUISA M. STABLER,
DANIEL UNDERHILL,	ELIZABETH T. YARDLEY.

TREASURER.

CLEMENT M. BIDDLE.

An election by ballot was held, and the Inspectors reported the above officers elected, without opposition.

A proposition was received from the Board of Managers to make the following changes in the By-Laws :

In By-Law I. strike out the words "on the Third-day following Philadelphia Yearly Meeting in the Fifth month," and insert, "on the day preceding the Commencement."

Add to By-Law IV., "He shall be ex officio a member of the Executive Committee."

In By-Law VIII. strike out the words "twice in the year to," and insert, "to each stated meeting of."

The proposition was approved, and the By-Laws, as changed, were adopted.

The following change in the Constitution was proposed for consideration next year, and the clerks were directed to give the required notice to the Stockholders :

Change the first sentence in Article 2d, to read as follows : "The Annual Meeting of the Stockholders shall be held on the third Fourth-day in the Ninth month, at half-past one o'clock P.M., at Swarthmore College."

Then adjourned.

CLEMENT M. BIDDLE, *Clerk*.

LYDIA W. PARRISH, *Clerk for the Day*.

MANAGERS' REPORT.

SINCE the issue of the last Annual Report the first class in the College has been graduated, after completing the regular four years' course required. This class at graduation numbered six, of whom three remain at the College as post-graduates and assistant teachers, and one as a post-graduate, continuing her studies. It will thus be seen that Swarthmore has at once inaugurated the practice of supplying herself with instructors from the list of her graduates, than whom none could better understand and appreciate the duties required ; and surely none could more readily identify themselves with the life of the institution.

The whole number of students in the College, exclusive of those

in the Preparatory School, is 89, being an increase of 19 over the number of last year. These are classified as follows:

Seniors	7
Juniors	13
Sophomores	16
Freshmen	43

The remaining 10 are pursuing irregular or partial courses in the different classes.

The organization of the separate Classical and Scientific Departments, referred to in the report of last year, has now been fully carried into effect; and the classes are all divided into classical and scientific sections as follows:

Seniors . . .	Classical . . .	5,	Scientific . . .	2
Juniors . . .	Classical . . .	7,	Scientific . . .	6
Sophomores . .	Classical . . .	12,	Scientific . . .	4
Freshmen . . .	Classical . . .	22,	Scientific . . .	21
Total	Classical . . .	46,	Scientific . . .	33

It will be observed that nearly all of the students are pursuing one or the other of the regular courses of study provided, and this is desirable, both for the interests of the College, and of the individual students, who almost invariably make more satisfactory progress when pursuing a regular course, even for a short time, without any idea of graduation, than when they select all their studies for themselves. Of course the elective system is so far combined with the regular system that the Electives increase as the students advance in their course, and in the Junior and Senior Classes the studies are largely elective. Upon the same principle, the Electives are very few in the Preparatory School, and students in that school are expected to pursue the regular work of the classes in which they are placed. Substantially the same foundation must be laid for all students, whatever is to be their subsequent course. Hence, while the courses of study are almost coincident at first, they diverge more and more as the students advance.

Facilities will continue to be offered to those who wish to pursue special courses of study, but only to those so far advanced as to be able to pursue them in the College classes, and especially in the last two years of the course. It is a serious error to suppose that the pursuit of a select course is adapted to immature minds, that especially need the advantages of systematic training in a well-arranged course of study.

The study of the Greek language will continue to be optional, even in the Classical Course, and the study of Latin is not required of students of the Scientific Course, though a sufficient knowledge of that language to enable the student to construe easy Latin prose is earnestly recommended. The study of the two leading languages of modern continental Europe, French and German, is required in both the Classical and Scientific Courses. The Scientific Department is now separated into two distinct courses during the Junior and Senior years, and for completing the one the degree of Bachelor of Science in Chemistry is awarded, for the other the degree of Bachelor of Science in Civil Engineering. A considerable sum has been expended during the past year in increasing the facilities for instruction in these departments, and, when the improvements now in progress are completed, Swarthmore will compare favorably in this respect with many of our older institutions of learning. Attention is earnestly invited to our courses of study as now arranged, and clearly set forth in the Fifth Annual Catalogue, and the schools among Friends throughout the country are requested, as far as practicable, to conform to this course, and prepare students to enter the Freshman Class, in either the Classical or the Scientific Course.

The Preparatory School numbers 176 students, divided as heretofore into three classes, A, B, and C; but Classes A and B are now divided, as the College classes, into Classical and Scientific Sections, preparing for the corresponding departments of the College. It is the intention of the Board to give up Class C in 1876, and the requirements for admission will, at the same time, be advanced to the requirements for entering Class B, as at present organized. The lowest division of Class C will be dropped at the close of the present scholastic year. These changes are warranted by the large number of applicants for admission who cannot be received for want of room. Over 40 have been declined for this cause during the past summer, several of whom are still waiting for places. An increasing interest is felt in establishing good Preparatory Schools among Friends throughout the country, where children can be prepared for Swarthmore; and this, together with the dropping of our lower classes, will prove an important movement toward making the College what it must eventually become, the culmination of our system of schools. When the C class shall have been dropped entirely, those who enter the lowest class in the Preparatory School will require but two years for preparation for the College, and many can hope to give their

children the full course of study in one of the departments, and thus receive all the benefits which the institution was intended to confer.

With the exception of the addition of three resident graduates as assistant teachers, the corps of instructors remains the same as last year. This, together with the fact that a very large majority of last year's students returned to continue their studies, enabled the College to begin the present year under favorable auspices, and has been to the managers a source of much encouragement. The accommodations being now altogether insufficient for the applicants, especially in the west end, the most feasible plan for increasing them, and at the same time advancing the interests of the College in other respects, is building for the Professors who have families separate residences upon the College-grounds. The erection of one of these during the coming year would considerably increase the capacity of the College. The net income from this increase would be a large interest upon the capital invested, and an important step would be taken toward furnishing the Professors who have families with comfortable homes, which would contribute directly to the welfare of the College by more thoroughly identifying them, in feeling and interest, with the institution. It is of the utmost importance that the Professors should have every facility possible to enable them to pursue their arduous labors with success, and to elevate the standard of scholarship in their respective departments. About \$8000 expended in the construction of a house would be a most judicious and economical outlay. Let the work be undertaken without delay.

The various departments of study, all continuing under the same charge as last year, are in a satisfactory condition, and are earning for the College that solid reputation upon which its ultimate success depends. While the need, referred to last year, of apparatus, books of reference, maps, charts, etc., for the use of the instructors, has been met to a considerable extent, increased expenditures for these objects, as well as for the enlargement of the general library, are still greatly needed. A sum sufficient for these purposes should be appropriated yearly, to be expended as required, or, if possible, a permanent fund, to be called the Library Fund, should be created, by gift or otherwise, the interest of which should be available for uses so indispensable to success.

The Reading-Room has been liberally supplied with the leading magazines and journals, both literary and scientific. This has been done for the past two years by an annual appropriation; but it would

be better to make it dependent upon the Library Fund, if such a fund is established.

The department of Natural History has been provided with further means of illustration since last year by valuable additions to the mineralogical cabinet, and a fine collection of native and foreign shells. Cases for the reception of these, and other specimens on hand not previously arranged, are being fitted up, and it is now confidently believed that this department will, in a few years, be amply supplied, through the liberality of interested friends, and that it will prove, not a mere museum of curiosities, but a museum in the true and original sense,—*a place of study*; the study of nature in her various forms.

The Anson Lapham Repository, referred to in the last two annual reports, has been somewhat increased during the year by donations from a few friends. Provision has been made for a complete record or descriptive catalogue of every book and other object deposited here, with a full account of the articles themselves, and the source whence they came. Through the liberality of the founder, a large number of photographs and engravings of the present and past representatives of our religious society is about to be added to the Repository. That the collections here made during the year have been few should not be a source of discouragement. This must be a gradual growth, and its full development a work of time.

Our confidence in the co-education of the sexes has been fully confirmed by another year's experience, the results of which clearly disprove the fallacies of those who oppose the system. The objection to co-education, and even to all higher education for women, based upon supposed injury to their health, which has recently been so urgently pressed upon purely theoretical grounds, and supported by the citation of a few strongly marked exceptional cases, is completely disproved by our experience. The five young women who graduated at Swarthmore last year had quite as good health at the end of their four years' course as at the beginning of it, and the amount of work which they accomplished would compare favorably with that of any class of young men in a four years' college course. It may well be doubted whether the health of an equal number of young women in any other pursuit in life is better than that which exists to-day among those who are pursuing their studies at Swarthmore. Our experience has been that the proportion of boys and young men absent from recitations during the year on account of sickness is fully equal to that of the girls and young women. The

statistics of Swarthmore, as of Michigan University, of Oberlin, and of the various colleges and high schools of the West where this system has been fairly tried, lead to conclusions directly opposite to those reached by the opponents of co-education.

Physical training, to secure the health and strength of the students, has received that attention which its great importance deserves. Regular exercise in the open air at stated periods has been rigidly insisted upon, with the most beneficial results. All, not physically incapacitated, are required to take regular exercise in the gymnasium, under a teacher appointed for that purpose. The general good health of the students throughout the year proves the wisdom of the sanitary regulations to which they have been subjected. The attention given to this important subject by those at the head of the household, and by all in authority at Swarthmore, may well entitle the institution to the confidence of parents and guardians who intrust to us the education of their children.

The managers desire to call especial attention to the fact that, while the intellectual training of the students has been a subject of anxious care, and their physical well-being secured by regular and appropriate exercise, their moral and spiritual welfare has been sedulously guarded, and, as a tangible result, the discipline of the institution was never in a more satisfactory condition. The students are daily learning the great lesson that those are best governed who are taught to be a law unto themselves. The cheerful and prompt obedience to authority, and the kindly relations subsisting between the governing and the governed, prove that the system adopted is productive of the best results. It is no mere arbitrary announcement and rigid enforcement of a set of "rules and regulations." Reasons accompany necessary prohibitions, and the students are made to feel that the authorities are not arrayed against them, but that they are on their side, that their interests are identical, and that all are working together for the same end. It is believed that there are few large institutions of this character where the true family relation is so perfectly preserved. The principles of our religious society are taught in that most effective of all ways, the lessons of daily life and daily example, while spoken words, in season, are not neglected. The managers feel deeply impressed with the conviction that they would be reporting but a part, and that the least important part, of the work which is being accomplished at Swarthmore, were no allusion made to the religious training which the children here receive.

The strictly material improvements made during the past year are deserving of mention in this Report. The grounds in front have been improved by laying out a new walk from the Railroad Station, and planting it with shade-trees on each side; painting and varnishing many of the rooms and halls, and furnishing for the increased number of students, occupied much of the summer vacation; heat has been introduced into the north chambers in the east end of the College, to render them equally comfortable and desirable with those on the south side of the building; new water-works have been completed, by which an ample supply of water from a fine spring south of the College is obtained, thus preventing the recurrence of the imperfect supply of last year; and a new farm-house is in process of erection.

The Finance Committee would refer the Stockholders to the Treasurer's Report for a full statement of the present financial condition of the College. They desire, however, to state that it has been self-supporting during the past year,—*i.e.*, the receipts from the students have met all the current expenses. It could not, of course, be expected that the various additions and improvements which have been enumerated in this Report should be made from the regular receipts. For the means to accomplish so many of these in a single year we are still further indebted to those friends of the College who have heretofore supplied them when improvements were demanded. We most earnestly commend their example to those who have means at their command, and entreat their aid in a work fraught, as we believe, with the highest interests of the rising generation among us, and of the religious society to which we belong.

TREASURER'S REPORT OF SUBSCRIPTIONS.

WM. CANBY BIDDLE, *Treasurer, in account with Swarthmore College.*

DR.

11th mo. 30th, 1872.		
To balance on hand as per last report	\$465.84	
To cash from Philadelphia Yearly Meeting :		
Capital Stock	\$5,800.00	
Donations	422.00	
Interest	311.07	
	6,533.07	
To cash from New York Yearly Meeting :		
Capital Stock	10,675.00	
	10,675.00	
Total Receipts, including balance		\$17,673.91

CR.

By Drafts of Finance Committee :		
	For Construction account	\$5,921.79
	For Furnishing account	1,125.66
12th mo. 4th, 1872, to	} For Care of Grounds account	1,037.25
11th mo. 26th, 1873.		790.00
	Tuition account, return of money advanced to meet bill on Construction account	4,000.00
		12,874.70
Loan account on call at interest to pay appropriation for improve- ment of grounds		4,112.75
Balance on hand, deposited in Philadelphia National Bank		686.46
		\$17,673.91

WM. CANBY BIDDLE,
Treasurer.

We have examined the above account of Wm. Canby Biddle, Treasurer of Swarthmore College, compared it with his vouchers, and find it correct.

EDWARD TAYLOR,
M. FISHER LONGSTRETH,
Auditors.

PHILADELPHIA, *Eleventh month, 29th, 1873.*

GENERAL STATEMENT OF RECEIPTS AND EXPENDITURES.

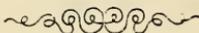
RECEIPTS.

PHILADELPHIA :	
Capital Stock	\$194,900.00
Donations	21,833.22
Endowment Fund	10,000.00
Educational Endowment Fund	100.00
Interest	7,193.23
	<u>\$234,026.45</u>
NEW YORK :	
Capital Stock	\$107,475.00
Donations	2,664.00
Endowment Fund	5,000.00
Interest	6,036.73
	<u>121,175.73</u>
BALTIMORE :	
Capital Stock	\$10,400.00
Donations	555.00
	<u>10,955.00</u>
Profit and Loss on Tuition account	5,563.89
	<u>\$371,721.07</u>

EXPENDITURES.

Expenses of Organization	\$10,686.55
PROPERTY :	
Westdale	\$27,036.13
Construction account	289,546.17
Furnishing account	27,825.76
Care of Grounds account	1,037.25
Educational Assistance	790.00
	<u>346,235.31</u>
INVESTMENTS :	
Loan account—Care of Grounds	4,112.75
Ground Rents	10,000.00
Cash in Bank	686.46
	<u>14,799.21</u>
	<u>\$371,721.07</u>

WM. CANBY BIDDLE,
Treasurer.



CHARTER.

An Act to incorporate Swarthmore College.

SECTION 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met, and it is hereby enacted: That James Martin, John M. Ogden, Ezra Michener, Mahlon K. Taylor, Thomas Ridgway, James Mott, Dillwyn Parrish, William W. Longstreth, William Dorsey, Edward Hoopes, William C. Biddle, Joseph Powell, Joseph Wharton, John Sellers, Clement Biddle, P. P. Sharpless, Edward Parrish, Levi K. Brown, Hugh McIlvain, Franklin Shoemaker and their associates and successors forever be, and they are hereby made and constituted a body politic and corporate, under the corporate title of Swarthmore College, and under that name shall have perpetual succession, and are hereby empowered, and made capable in law, to purchase, take, hold, and enjoy to them and their successors, lands, tenements, and hereditaments, stock, goods, chattels, and effects; *provided*, the clear annual value thereof shall not exceed thirty thousand dollars; and to sell, demise, convey, assure, transfer, and dispose of their estate or interest therein, and also to improve and augment, and apply the same, with the rents, issues, profits, and income thereof, to the purposes of their institution; and the said corporation, by the name aforesaid, shall and may sue and be sued, plead and be impleaded, answer and be answered, defend and be defended, in all courts of law and equity, and shall have power to make, have, and use a common seal, and the same to change, alter, and renew at their pleasure, and also to make and execute such by-laws, ordinances, and regulations, not contrary to the laws and constitution of this Commonwealth, as to them shall seem meet.

SECTION 2. That the said corporation be authorized to establish and maintain a school and college, for the purpose of imparting to persons of both sexes knowledge in the various branches of science, literature, and the arts, and the Board of Managers shall have power

to confer upon the graduates of the said College, and upon others, when, by their proficiency in learning, they may be entitled thereto, such degrees as are conferred by other colleges or universities in the United States.

SECTION 3. That the capital stock of the said corporation shall be fifty thousand dollars, divided into two thousand shares of twenty-five dollars each, with the privilege to increase the same from time to time to a sum not exceeding three hundred thousand dollars, and the said school or college may go into operation when the sum of fifty thousand dollars has been subscribed, and the stock shall be transferable in conformity with the rules and by-laws of the corporation. The meetings shall be held annually; twenty-five stockholders shall form a quorum, and special meetings may be called by the Managers at their discretion, and notice shall be given of the annual and special meetings of the corporators, at least ten days previous to the time at which they are to be held, by advertisement in three daily newspapers, one published in the city of New York, one in the city of Philadelphia, and one in the city of Baltimore; the officers of the corporation shall be two clerks, a treasurer, and thirty-two managers, all of whom shall be members of the religious society of Friends, and shall be chosen by ballot from among the Stockholders at their annual meeting; but in case of failure to elect the officers at the stated time, those in office shall continue until others are chosen. The clerks shall be *ex officio* members of the Board of Managers, and eleven members shall constitute a quorum for the transaction of business. The government and direction of the said school and college, the appointment and employment of professors and other officers concerned therewith, and the general management of the affairs of the College, shall be entrusted to the Board of Managers, who shall have power to enact such rules and regulations not inconsistent with the constitution and amendments thereto, adopted by the corporators as they shall see fit.

Signed,

HENRY C. JOHNSON,
Speaker of the House of Representatives.

JOHN P. PENNEY,
Speaker of the Senate.

Approved the first day of April, A.D. 1864.

A. G. CURTIN,
Governor.

A SUPPLEMENT

To "*An Act to incorporate Swarthmore College,*" authorizing an increase of Capital Stock.

SECTION 1. Be it enacted by the Senate and House of Representatives of the Commonwealth of Pennsylvania in General Assembly met, and it is hereby enacted by the authority of the same: That the Board of Managers shall consist of thirty-two Managers, who shall choose a President and Secretary from their own number, and said officers shall affix the corporate seal and attest all documents as may be directed by the Board of Managers.

SECTION 2. That the capital stock of said corporation may be increased so as to amount in the whole to five hundred thousand dollars, and the said Managers may borrow money on bonds, to be secured by mortgage on the real estate of the corporation to trustees for the bondholders, to an amount not exceeding one hundred thousand dollars.

SECTION 3. That women, single or married, may be members of said corporation and Managers thereof.

B. B. STRANG,
Speaker of the House of Representatives.

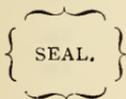
CHARLES H. STINSON,
Speaker of the Senate.

Approved the fourteenth day of April, Anno Domini one thousand eight hundred and seventy.

JOHN W. GEARY.

OFFICE OF THE SECRETARY OF THE COMMONWEALTH,
HARRISBURG, April 30, A. D. 1870.

PENNSYLVANIA, ss.:



I DO HEREBY CERTIFY, That the foregoing and annexed is a full, true, and correct copy of the original Act of the General Assembly, entitled "A Supplement to 'An Act to incorporate Swarthmore College,' authorizing an increase of capital stock," as the same remains on file in this Office.

IN TESTIMONY WHEREOF, I have hereunto set my hand and caused the Seal of the Secretary's Office to be affixed, the day and year above written.

J. M. WEAKLEY,
Deputy Secretary of the Commonwealth.

CONSTITUTION

OF

SWARTHMORE COLLEGE.

ARTICLE I.—The capital stock shall be fifty thousand dollars, which may be increased from time to time to any sum not exceeding three hundred thousand dollars, to be divided into shares of the value of twenty-five dollars each, transferable on the books of the Association only with the consent of the Board of Managers.

ARTICLE II.—The annual meeting of the Stockholders shall be held on the first Third-day in the Twelfth month, at three o'clock P.M., in the city of Philadelphia. A clerk and assistant clerk, who shall be *ex officio* members of the Board of Managers, shall be appointed at each annual meeting, who shall make and preserve regular minutes of the proceedings, subject to the adoption of the meeting at the time. Special meetings may be called by the clerks, at the written request of any twenty Stockholders.

ARTICLE III.—The management of the institution shall be under the direction of thirty-two managers, sixteen of each sex, who shall be elected at an annual meeting, under the care of three inspectors, to be appointed at the time. Eight of said managers shall be elected for one year, eight for two years, eight for three years, and eight for four years.

The term of service for each manager shall be decided by mutual agreement among themselves, and eight members shall be elected to serve for four years, annually thereafter. They shall have power to fill any vacancy that may occur in their Board. They shall all be Stockholders and members of the Society of Friends, and an equitable proportion of them shall belong to each of the Yearly Meetings of Philadelphia, Baltimore, and New York, and other Yearly Meetings the members of which subscribe to the stock.

The election of managers shall be by ballot, and votes by proxy shall be received, each Stockholder having one vote; and a majority of votes so cast shall determine the election, and also all other subjects voted upon.

Provided, that all questions affecting the purchase of real estate, or location of the College, the removal of the same after location, or the sale of the whole or any portion of the real estate, shall be decided only at a stated or special meeting, by a majority of the votes cast, each share being entitled to one vote; and no such purchase, sale, or transfer of the real estate shall be made without having been proposed at a stated or special meeting held at least three months previously.

And further provided, that no alteration to this Constitution shall be made except at a stated meeting of the Stockholders, by a vote in its favor, either in person or by proxy, of the majority of all the stock.

Notice of any proposed change in the Constitution shall be given at the annual meeting and decided upon at the next annual meeting; the said proposed change shall be placed in full upon the minutes, and each Stockholder shall be notified thereof.

Should the Stockholders fail to elect at any annual meeting, the managers of the previous year shall continue in office until successors are elected.

ARTICLE IV.—The Board of Managers shall appoint their own officers, and frame by-laws for their government, subject to the approval of the Stockholders.

When the amount of capital stock is subscribed and paid in, they shall provide for the purchase, erection, furnishing, and future management of the College.

No contract for real estate, building, or furnishing the institution shall be entered into unless the money for the same be in the hands of the Treasurer, and they shall at no time incur expenses in its management beyond the available resources of the current six months.

The Treasurer of the College shall collect, receive, and hold the funds subject to the order of such committees or officers as they may authorize to draw upon him, and they shall audit and settle his accounts at least twice every year.

They shall make full reports of their proceedings to the members at the annual meeting of the Stockholders, and a printed copy of their report shall be furnished to each of the members.

BY-LAWS.

LAW I.

MEETINGS.

THERE shall be five stated meetings of the Board annually: on the Second Third-day in Second and Ninth months, on the day preceding the Commencement, on the day preceding and on the adjournment of the annual meeting of the Stockholders. Special meetings shall be called by the Secretary when requested by five members. Eleven members constitute a quorum.

LAW II.

OFFICERS AND COMMITTEES.

A President of the Board of Managers, Secretary, Auditors, Finance Committee, Building Committee, Instruction Committee, Committee on Museum, Committee on Anson Lapham Repository, and an Executive Committee, shall be appointed annually at the meeting succeeding the annual meeting of Stockholders; and should none be appointed at that time, those previously appointed shall continue to fulfil the several duties prescribed until others are duly appointed. All the other committees shall be authorized to report to the Executive Committee.

LAW III.

THE PRESIDENT.

The President shall preside at the meetings of the Board and decide all questions of order.

LAW IV.

THE SECRETARY.

The Secretary shall keep regular minutes of the meetings of the Board, as adopted at the time; shall notify the members of the time

and place of meeting, inform committees of their appointment, and act, under direction of the Board, in all matters pertaining to the office. He shall be *ex officio* a member of the Executive Committee.

LAW V.

THE TREASURER.

The Treasurer shall hold the funds belonging to the Corporation, subject to the disposition of the Board; shall sign the certificates of stock, and shall issue these, on demand, to all subscribers who have paid their instalments in full. In the investment of the funds he shall be guided by the advice and direction of the Finance Committee. He shall report to the Board at the stated meetings in the Second and Twelfth months.

LAW VI.

THE FINANCE COMMITTEE.

The Finance Committee shall draw all orders on the Treasurer for expenses authorized by minute of the Board, and the orders shall not be valid without the signatures of at least two of this Committee. They shall also advise with and direct the Treasurer in regard to the investment of the funds of the corporation.

LAW VII.

THE AUDITORS.

The Auditors shall audit the accounts of the Treasurer twice in the year, immediately previous to the time of his reports, to which they shall append the result of their audits.

LAW VIII.

THE EXECUTIVE COMMITTEE.

This Committee shall consist of sixteen members, who shall have the general supervision of the College, etc., during the recess of the Board of Managers, and, subject to its approval, shall decide upon such appointments of Professors and Teachers as may become necessary.

They shall also appoint such other employés as may, in their judgment, be required.

They shall render the Faculty such aid as may be in their power in relation to instruction and discipline, and report their proceedings to each stated meeting of the Board of Managers.

LAW IX.

THE FACULTY.

The President, Matron, and such of the resident Professors and others as may be elected by the Board, shall constitute the Faculty, and shall hold regular meetings, arrange the course of study, determine the qualifications for admission into the several departments and classes, and for graduation, decide upon rules of order, and determine all questions pertaining to the discipline or instruction, subject to the approval of the Executive Committee, to whom they shall report monthly.

LAW X.

ANNUAL REPORT.

The President and the Executive Committee shall frame the Annual Report to the Stockholders, which shall be submitted to the Board for approval at the meeting immediately preceding the annual meeting.

LAW XI.

COMMITTEE ON TRUSTS, ENDOWMENTS, AND SCHOLARSHIPS.

The Managers shall appoint five of their number to constitute the Committee on Trusts, Endowments, and Scholarships, to hold office three years, or during the pleasure of the Board.

It shall be the duty of this Committee to receive, invest in the name of the College, and hold in their custody, all sums of money, stocks, mortgages, and other property that may be given or bequeathed to Swarthmore College for General Endowments, for Special Endowments, or for Educational Endowments.

The Board of Managers shall direct the application of the interest of each of these funds: of General Endowments, to the general purposes of the College; of Special Endowments, to the particular purpose for which the Fund was given; and of Educational Endowments, to the aid of those who would otherwise be excluded, by their limited means, from enjoying the advantages of an education at this College.

SCHOLARSHIPS.

A donation to the College of the sum of five thousand dollars, to be held by this Committee, shall found a scholarship in perpetuity, in the gift of the donor, and of his legal heirs, or of any assignee approved by the Board of Managers.

Nominations under perpetual Scholarships shall be subject to the same limitations and restrictions as are placed on nominations under Scholarships for limited periods.

SCHOLARSHIP FOR TWO LIVES.—Any person giving to the College the sum of Four Thousand dollars, to be held by this Committee, shall have the privilege of nominating, during his or her lifetime, one student, who, when approved, shall be admitted, subject to all the rules and regulations of the College, and shall be entitled to board and tuition without charge.

When from any cause such student's attendance at the College ceases, another may be nominated, and the privilege of nomination shall be extended under such Scholarship to one successor, provided such successor shall be duly appointed by the donor during his or her lifetime.

On the death of the successor, the principal sum of Four Thousand dollars shall merge into the General Endowment Fund.

The College, however, in all cases of Scholarships, whether perpetual or otherwise, reserves to itself the right at any time to return the principal sum to any donor, or his legal representatives, whose right shall thereupon cease and determine.

This Committee shall make a full report, including an audited statement of investments, and of its Treasurer's account, to the Board of Managers at the meeting preceding the annual meeting of the Stockholders.

The interest is to be paid to the Treasurer of the College as received by this Committee.

LAW XII.

ALTERATIONS AND AMENDMENTS.

These By-Laws may be altered or amended at any meeting of the Board next preceding the annual meeting, notice of such change having been given at a previous stated meeting.

