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CATALOGUE
OF THE
OFFICERS & STUDENTS
OF
Delaware College.



PHILADELPHIA:
QUINN & SWAN, PRINTERS, THIRD & MARKET STS.
1853.

CATALOGUE
OF THE
OFFICERS AND STUDENTS
OF
DELAWARE COLLEGE,

Newark, Delaware.

FOR THE YEAR ENDING SEPTEMBER, 1853.

PHILADELPHIA:
QUINN & SWAN, PRINTERS, THIRD AND MARKET.
1853.

Trustees.

RATHMELL WILSON, Esq.,

PRESIDENT.

COL. JAMES L. MILES,

SECRETARY AND TREASURER.

GEORGE PLATT, Esq.

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PALMER CHAMBERLAIN, M.D.

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HON. GEORGE B. RODNEY,

JAMES COUPER, M.D.

REV. THOMAS BRAINERD, D.D.

REV. JAMES C. HOW,

JACOB FARIS, Esq.

REV. JOHN C. SMITH, D. D.

REV. JAMES McINTYRE,

DAVID C. WILSON, Esq.

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REV. CORNELIUS H. MUSTARD,

HON. WILLIAM TEMPLE,

GEORGE W. CARPENTER, Esq.

HON. ISAAC JONES,

PARIS T. CARLISLE, Esq.

Committee on Real Estate.

RATHMELL WILSON, Esq.

COL. JOHN C. GROOME,

JAMES S. MARTIN, Esq.

COL. JAMES L. MILES,

GEORGE EARLE, Esq.

Faculty.

REV. W. S. F. GRAHAM, A. M.,

PRESIDENT, AND PROFESSOR OF MENTAL AND MORAL PHILOSOPHY.

REV. WILLIAM L. BOSWELL, A. M.,

PROFESSOR OF GREEK AND LATIN LANGUAGES.

DANIEL KIRKWOOD, LL. D.,

PROFESSOR OF MATHEMATICS AND ASTRONOMY.

CHARLES E. FERRIS, A. M., M. D.,

PROFESSOR OF CHEMISTRY AND GEOLOGY.

EDWARD D. PORTER, A. B.,

ADJUNCT PROFESSOR OF ENGINEERING AND NATURAL PHILOSOPHY.

TALLEYRAND GROVER, A. M.,

PROFESSOR OF RHETORIC AND MODERN LANGUAGES.

PROFESSOR OF AGRICULTURAL AND ANALYTIC CHEMISTRY.

Committee on Examinations.

REV. THOMAS BRAINERD, D.D.

REV. CORNELIUS H. MUSTARD,

CHAUNCEY P. HOLCOMB, Esq.

PARIS T. CARLISLE, Esq.

HON. WILLIAM TEMPLE.

Undergraduates.

Senior Class.

Names.	Residence.	Rooms.
JOSEPH C. BAILY,	<i>Lancaster Co., Pa.</i>	No. 29
WILLIAM A. CAMPBELL,	<i>Lancaster Co.,</i>	Mr. Macklem's.
JOHN M. KELSO,	<i>Hopewell, Pa.</i>	No. 11
WILLIAM D. MACKEY,	<i>Chester Co. Pa.,</i>	Mr. Macklem's.
THOMAS M. MARTIN,	<i>Deer Park,</i>	No. 27
JAMES D. THOMAS,	<i>Montgomery Co., Md.</i>	No. 23

Junior Class.

*JACOB B. CAZIER,	<i>New Castle Co.</i>	No. 26
JOHN M. CLYMER,	<i>Jefferson Co., Va.</i>	No. 28
OSCAR D. GROVER,	<i>Bethel, Me.</i>	No. 28
GEORGE C. HARLAN,	<i>Wilmington,</i>	No. 25
JOHN G. McCULLOUGH,	<i>New Castle Co.</i>	Mr. Macklem's.
ROBERT L. McMURRAN,	<i>Winchester, Va.</i>	No. 25
DAVID L. MUSTARD,	<i>Lewes,</i>	No. 11
S. E. TOWNSEND,	<i>Newark, Rev. Mr. Townsend's.</i>	
WALTER E. TURNER,	<i>New Castle Co.</i>	No. 32

* These recite with the Class in one or more studies, but have not "full standing" as Members.

Sophomore Class.

Names.	Residence.	Rooms.
DUFFIELD ASHMEAD,	<i>Philadelphia, Pa.</i>	No. 28
GEORGE M. BARNES,	<i>Washington, D. C.</i>	Mr. Bunker's.
GEORGE W. CARPENTER, JR.	<i>Camden, N. J.</i>	No. 34
WILLIAM S. HUNT,	<i>West Chester, Pa.</i>	No. 8
THEODORE C. HURD,	<i>Framingham, Mass.</i>	Mr. Curtis'.
THOMAS M. MILLER,	<i>Newtown, Va.</i>	No. 27
JAMES M. MORRISON,	<i>Lancaster Co. Pa.,</i>	Mr. Macklem's.
ISAAC M. ONINS,	<i>Hazletville,</i>	No. 20
CHARLES G. POLK,	<i>Milford,</i>	No. 11
ELIAS S. REED,	<i>Frederica,</i>	No. 11
JOHN FRAZER WOODS,	<i>New Castle Co.</i>	No. 25

Freshman Class.

*STEPHEN B. CACY,	<i>Millington, Md.</i>	No. 24
JOHN F. BAIRD,	<i>York, Pa.</i>	No. 24
THOMAS W. BERRY,	<i>Washington, D. C.</i>	No. 27
LAFAYETTE BUSHNELL,	<i>Clinton, Mo.</i>	No. 20
GEORGE W. CHAMBERLAIN,	<i>Newark,</i>	Mrs. Chamberlain's.
SAMUEL M. CLEVELAND,	<i>Philadelphia, Pa.</i>	do.
JAMES T. JOHNSON,	<i>Newark,</i>	Mr. Johnson's.
JAMES HOSSINGER,	<i>New Castle Co.</i>	Mr. Hossinger's.
ISAAC H. HOUSTON,	<i>Millsboro',</i>	No. 27
LONSVILLE TWITCHELL,	<i>Bethel, Me.</i>	No. 27

Senior Class. (Scientific Dep.)

Names.	Residence.	Rooms.
JOHN B. ABRAHAM, S,	Port Deposit, Md.	No. 9
WILLIAM ARMSTRONG,	Newark, Mr. R. Armstrong's.	
PARIS T. CARLISLE, JR.	Frederica,	No. 33
FRANCIS GALE,	Kingston, Md.	No. 36
THOMAS MCKIRACHAN,	Oxford, Pa. Mr. Macklem's.	
JOHN MCKIRACHAN,	Oxford, Pa. Mr. Macklem's.	
WILLIAM M. WATKINS,	Montgomery Co. Md.	No. 23
SAMUEL D. ROE,	Frederica,	No. 33
JOHN W. SAVIN,	Smyrna,	No. 22
JOHN H. THATCHER,	Wilmington,	No. 37
*R. HALL WALTON,	Charlestown, Va. Miss Black's.	

Middle Class. (Scientific Dep.)

GEORGE BIDDLE,	Smyrna,	No. 16
CHARLES G. CARPENTER,	Camden, N. J.	No. 34
JOHN H. COCHRAN,	Perryville, Md.	No. 22
LEON L. EMANUEL,	Marcus Hook, Pa.	No. 35
WILLIAM J. EVANS,	Perryville, Md.	No. 21
MATHEW J. GIBSON,	Chester Co. Pa.	No. 12
*JAMES T. JONES,	New Castle Co. Mrs. Watson's.	
EDWARD L. MARTIN,	Seaford,	No. 24
<u>GEORGE B. PASSMORE,</u>	Chester Co., Pa.	No. 12
JOSEPH W. REYNOLDS,	Port Deposit, Md.	No. 21
JOHN S. STITES,	Cecil Co., Md.	No. 22
EDWIN C. WHITE,	Port Deposit, Md.	No. 9

Junior Class. (*Scientific Dep.*)

Names.	Residence.	Rooms.
JOSEPH CLEAVER, JR.	Port Penn,	No. 32
JAMES F. GRIFFIN,	Smyrna,	No. 16
JOHN C. HIGGINS,	St. Georges,	No. 21
THOMAS J. JONES,	New Castle Co.	No. 28
JOHN T. KEETS,	Kent Co., Md.	No. 36
GEORGE G. KERR,	New Castle Co.	No. 36
AARON M. MARSHALL,	Milton,	No. 36
*ROBERT B. MASSEY,	Kent Co., Md.	No. 27
WILLIAM A. MUSGROVE,	Newark,	Mr. Musgrove's.
*JOHN A. REYNOLDS, JR.	New Castle Co.	Mr. Reynolds.

Irregulars. (*Scientific Dep.*)

HENRY C. BENSON,	Dagsboro',	No. 30
SAMUEL CANBY, JR.	Wilmington,	No. 22
ANDREW B. CARSON,	Port Deposit, Md.	No. 23
NATHANIEL R. CARSON,	Port Deposit, Md.	No. 23
WILLIAMS A. CATHCART,	Shepherdstown, Pa.	No. 39
JOHN L. M. DUFFIELD,	Lancaster Co., Pa. -	No. 30
JOHN P. DU HAMEL,	Kent Co.	No. 20
ROBERT D. HOFFECKER,	Smyrna,	No. 20
JOHN P. HOOPER,	Cambridge, Md.	Mr. Bunker's.
JOSEPH H. HOSSINGER,	Newark,	Mr. Hossinger's.
LUTHER F. JACOBS,	Sussex Co.	No. 24
TRUEMAN S. JONES,	Tennallytown, D. C.	No. 37
CHARLES A. LUM,	New Castle Co.	Mr. Lewis'.

Names.	Residence.	Rooms.
ALBERT P. McILVAINE,	<i>Lancaster Co., Pa.</i>	No. 20
JOHN T. McCrery,	<i>Elkton, Md.</i>	Miss Black's.
JOHN M. McCLENAHAN,	<i>Port Deposit, Md.</i>	No. 21
WILLIAM O'DANIEL,	<i>Wilmington,</i>	No. 37
MILLER D. PENINGTON,	<i>Philadelphia, Pa.</i>	No. 21
WILLIAM REYNOLDS,	<i>Newark,</i>	Mr. Reynolds.
JOHN C. STOCKLY,	<i>Smyrna,</i>	No. 16
JOHN WARREN,	<i>New Castle Co.</i>	No. 29

Monitors.*

WILLIAM D. MACKAY,	JOHN B. ABRAHAMS,
JOHN G. McCULLOUGH,	JOHN MCKIRACHAN,
JAMES M. MORRISON,	JOHN C. STOCKLY,
ISAAC M. ONINS,	GEORGE B. PASSMORE.

* Such Students as maintain a high grade in Conduct and Scholarship, are appointed Monitors for their respective Classes.

Academical Students.

HIRAM P. ARMSTRONG,	<i>Newark.</i>
JOHN W. ARMSTRONG,	<i>Newark.</i>
SPENCER P. ARMSTRONG,	<i>New Castle Co.</i>
WILLIAM T. BENNESON,	<i>Newark.</i>
GRAHAM BLANDY,	<i>Newark.</i>
JAMES H. BLANDY,	<i>Newark.</i>
AMOS T. BRADLEY,	<i>New Castle Co.</i>
GEORGE K. BROWN,	<i>New Castle Co.</i>
WILLIAM H. BROWN,	<i>Philadelphia, Pa.</i>
THOMAS H. BYRNES,	<i>Philadelphia, Pa.</i>
GEORGE W. CHAMBERLAIN,	<i>Newark.</i>
CALEB CHURCHMAN,	<i>Naaman's Creek.</i>
THEODORE F. CLARK,	<i>Delaware City.</i>
PENNOCK COATES,	<i>Chester Co. Pa.</i>
JAMES B. COCHRAN,	<i>Havre de Grace, Md.</i>
OLIVER COCHRAN,	<i>Havre de Grace, Md.</i>
JOHN M. COLLINS,	<i>Smyrna.</i>
JOSEPH W. COOCH,	<i>New Castle Co.</i>
JOHN O. DAY,	<i>Baltimore Co., Md.</i>
BERNADOTTE DEAKYNE,	<i>Smyrna.</i>
JOSEPH DEAN,	<i>New Castle Co.</i>
URIAH DRAKE, JR.	<i>New Castle Co.</i>
LEON L. EMANUEL,	<i>Marcus Hook, Pa.</i>

JOHN L. EVANS,	<i>New Castle Co.</i>
GEORGE T. FERGUSON,	<i>Newark.</i>
JAMES D. FERGUSON,	<i>Newark.</i>
EDGAR A. FINLEY,	<i>Newark.</i>
SAMUEL FITZHUGH,	<i>Hagerstown, Md.</i>
JAMES S. FORD,	<i>Cecilton, Md.</i>
STEPHEN H. FORD, JR.	<i>Cecilton, Md.</i>
CHARLES H. GHEEN,	<i>New Castle Co.</i>
MATTHEW M. C. GIBSON,	<i>Chester Co., Pa.</i>
JOSEPH T. GRIFFITH,	<i>New Castle Co.</i>
JEROME H. HARDCASTLE,	<i>New York, N. Y.</i>
JOHN S. HOFFECKER,	<i>Smyrna.</i>
JAMES HOSSINGER,	<i>New Castle Co.</i>
JOHN S. HOWARD,	<i>Harford Co., Md.</i>
H. M. HUSBAND,	<i>Philadelphia, Pa.</i>
WM. D. JOHNSON,	<i>Newark.</i>
JOSEPH C. JUSTICE,	<i>Accomac Co., Va.</i>
JOHN T. KENNEDY,	<i>Newark.</i>
THOMAS KERSHAW,	<i>New Castle Co.</i>
GEORGE G. KERR,	<i>New Castle Co.</i>
JAMES B. KERR,	<i>New Castle Co.</i>
ADAM E. KING,	<i>Delaware City.</i>
ALEX. L. LEWIS,	<i>Kent Co.</i>
EDGAR A. LEWIS,	<i>Newark.</i>
ALEX. LOWBER,	<i>Newark.</i>
CHARLES A. LUM,	<i>Summit Bridge.</i>
LOUIS M. LUSSON,	<i>Cuba.</i>
THEODORE K. MACKAY,	<i>Port Deposit.</i>
JOHN MARTIN,	<i>Draw Bridge.</i>

LEWIS B. MARTIN,	<i>Deer Park.</i>
THEODORE P. MARTIN,	<i>Deer Park.</i>
JOSHUA MARIS,	<i>Wilmington.</i>
WM. C. MCAULEY,	<i>Luzerne Co., Pa.</i>
THOMAS B. MCCONAUGHEY,	<i>New Castle Co.</i>
GEO. K. McVEY,	<i>Perryville, Md.</i>
JOHN T. McVEY,	<i>Perryville, Md.</i>
GEORGE P. MILLER,	<i>Newark.</i>
HARVEY R. MITCHELL,	<i>New Castle Co.</i>
THOS. M. MOORE,	<i>Cantwell's Bridge.</i>
WM. A. MUSGROVE,	<i>Newark.</i>
JAMES B. NELSON,	<i>Harford Co. Md.</i>
EDWIN R. PAYNTER,	<i>Draw Bridge.</i>
JOHN H. PAYNTER,	<i>Draw Bridge.</i>
ROBERT H. PENINGTON,	<i>Philadelphia, Pa.</i>
JOHN A. REYNOLDS,	<i>New Castle Co.</i>
SAMUEL M. REYNOLDS,	<i>New Castle Co.</i>
WASHINGTON E. REYNOLDS,	<i>New Castle Co.</i>
WM. B. RIDDLE,	<i>New Castle.</i>
COMEGYS SEMANS,	<i>Cecilton, Md.</i>
JOHN G. SCOTTEN,	<i>Kent Co.</i>
LEWIS B. SCOTTEN,	<i>Kent Co.</i>
LEWIS R. SPRINGER,	<i>New Castle Co.</i>
BENJ. A. STARR,	<i>Camden, N. J.</i>
JAMES B. STIDHAM,	<i>Newark.</i>
BENJ. H. TATEM,	<i>St. Georges.</i>
HOWARD TAYLOR,	<i>Baltimore, Md.</i>
WM. G. TEMPLE,	<i>Smyrna.</i>
GEO. A. TOWNSEND,	<i>Newark.</i>

ERNEST H. TROTH,	<i>Christiana.</i>
JOSEPH E. TROTH,	<i>Christiana.</i>
MANSEL TWEED,	<i>Chester Co., Pa.</i>
GEO. T. VANDIVER,	<i>Havre de Grace, Md.</i>
JAMES H. WALKER,	<i>Marcus Hook, Pa.</i>
EDWARD S. WATTSON,	<i>Newark.</i>
LEWIS F. WATTSON,	<i>Newark.</i>
GEO. W. WILKINS,	<i>Newark.</i>
EDWARD WILSON,	<i>Newark.</i>
JOHN T. WILSON,	<i>North East, Md.</i>
WM. A. WILSON,	<i>North East, Md.</i>
WARREN D. WOOD,	<i>Salem, N. J.</i>
SAMUEL WORRALL,	<i>Pleasant Hill.</i>
TOTAL,	94

SUMMARY.

SENIORS,	6
JUNIORS,	9
SOPHOMORES,	11
FRESHMEN,	10
SENIORS, (<i>Scientific Department</i>),	11
MIDDLE CLASS, "	12
JUNIORS, "	10
IRREGULARS, "	21
ACADEMICAL DEPARTMENT,	95
Total,	185

N. B. This Catalogue contains the names of all the Students who have been connected with the Institution during the year ending Sep. 1853.

Collegiate Department.

ADMISSION. Candidates for admission to the Freshman Class must be at least fourteen years of age, must give satisfactory evidence of good moral character, and must sustain an examination in the following studies, viz.: *Arithmetic, Elements of Algebra, Latin and Greek Grammar, Greek Reader, and the First two Books of Xenophon's Anabasis; Latin Reader, Sallust or Caesar, Cicero's Select Orations, and Virgil*—or what shall be deemed equivalent.

COURSE OF INSTRUCTION.

Freshman Class.

- | | | |
|------|---|--|
| I. | { | Livy, begun; <i>Lincoln's</i> . |
| | | Xenophon's <i>Anabasis</i> ; <i>Owen's</i> . |
| | | Algebra, begun; <i>Loomis'</i> . |
| | | History, begun; <i>Taylor's Manual</i> . |
| II. | { | Livy, finished. |
| | | Homer's <i>Odyssey</i> , begun; <i>Owen's</i> . |
| | | Algebra, finished. Geometry, begun; <i>Loomis'</i> . |
| | | History, continued. |
| III. | { | Horace, begun; <i>Lincoln's</i> . |
| | | Homer's <i>Odyssey</i> , finished. |
| | | Geometry, five books; <i>Loomis'</i> . |
| | | History, finished. Review. |

Sophomore Class.

- I. { Horace, finished.
 Xenophon's Memorabilia; *Robbins'*.
 Geometry, finished.
 Rhetoric, begun; *Whately's*.
- II. { Cicero de Amicitia and de Senectute.
 Herodotus, begun; *Wheeler's*.
 Plane Trigonometry. Spherical Trigonometry; *Loomis'*.
 Rhetoric, continued.
- III. { Cicero de Officiis; *Dillaway's*.
 Herodotus, finished.
 Surveying; *Davies'*.
 Rhetoric, finished.
 Review.

Junior Class.

- I. { Tacitus, begun; *Kingsley's*.
 The Prometheus of Æschylus; *Woolsey's*.
 The Electra of Sophocles; *Woolsey's*.
 Analytical Geometry; *Loomis'*.
 Natural Theology. Evidences of Christianity; *Paley's*.
- II. { Logic; *Whately's*. Mental Philosophy; *Upham's*.
 The Alcestis of Euripides; *Woolsey's*.
 Tacitus, finished.
 Calculus, begun.
 Natural Philosophy. Mechanics, begun; *Lardner's*.

- III. { Moral Philosophy; *Wayland's*.
 Plato's *Gorgias*; *Woolsey's*.
 The *Captivi* of *Plautus*.
 Calculus, finished.
 Mechanics. Hydrostatics. Pneumatics and Meteorology.
 Review.

Senior Class.

- I. { Political Economy; *Wayland's*.
 The *Andria* of *Terence*.
 The *Clouds* of *Aristophanes*; *Felton's*.
 Chemistry, begun.
 Acoustics. Optics. The Science of Heat.
- II. { Elements of Criticism; *Kames'*. *Butler's Analogy*.
Cicero's Tusculan Questions.
Demosthenes de Corona.
 Electricity, Magnetism, Electro-Magnetism.
 Voltaic Electricity, or Galvanism.
 Astronomy, begun. Chemistry, finished.
- III. { The Constitution of the United States; *Story*.
 Astronomy, finished.
 Magneto-Electricity, Thermo-Electricity.
 Electro-Dynamics.
 Geology and Mineralogy.
 General Review.

Throughout the entire course, Greek Testament every Monday morning.

The Freshman and Sophomore Classes have frequent exercises in making Greek and Latin. The Text Books are *Arnold's Greek and Latin Prose Composition*.

Scientific Department.

ADMISSION. Candidates for admission into this Department must be fourteen years of age; must produce testimonials of good moral character; and must sustain an examination in English Grammar, Geography, Arithmetic, the Elements of Algebra and History, and in general, in such branches as form the basis of a complete English education, without which, no student can reap the proper advantages of this course.

COURSE OF INSTRUCTION.

Junior Class.

- I. { History, begun; *Taylor's*.
Algebra, begun; *Loomis's*.
Higher Arithmetic; *Chase and Mann's*.
Penmanship.
- II. { Algebra, finished.
History, continued.
Geometry, begun; *Loomis's*.
Mensuration; *Davies's*.
- III. { Geometry, continued.
History, finished.
Book-keeping.
Review.

Middle Class.

- | | | |
|------|---|---|
| | { | Geometry, finished. |
| | { | Surveying; <i>Davies'</i> . |
| I. | { | Rhetoric, begun; <i>Whately's</i> . |
| | { | Natural Theology; <i>Paley's</i> . |
| | { | Evidences of Christianity; <i>Paley's</i> . |
| | { | Plane Trigonometry; <i>Loomis'</i> . |
| | { | Spherical Trigonometry; <i>Loomis'</i> . |
| II. | { | Rhetoric. Logic, begun. |
| | { | Natural Philosophy. |
| | { | Mechanics, begun; <i>Lardner's</i> . |
| | { | Mental Philosophy; <i>Upham's</i> . |
| | { | Rhetoric, finished. |
| | { | Logic, finished. |
| III. | { | Mechanics. Hydrostatics. Pneumatics. Meteorology. |
| | { | Analytical Geometry; <i>Loomis'</i> . |
| | { | Review. |

Senior Class.

- | | | |
|-----|---|--|
| | { | Political Economy; <i>Wayland's</i> . |
| I. | { | Chemistry, begun. |
| | { | Science of Heat. Optics and Acoustics. |
| | { | Engineering, by Lectures. |
| | { | Elements of Criticism; <i>Kames'</i> . Butler's Analogy. |
| | { | Chemistry, finished. Astronomy, begun. |
| II. | { | Electricity; Magnetism. |
| | { | Voltaic Electricity, or Galvanism. |
| | { | Engineering, finished. |
| | { | Calculus, begun. |

- Constitution of the United States; *Story's*.
- Astronomy, finished.
- Agricultural Chemistry.
- Electro-Magnetism.
- III. Magneto-Electricity. Thermo-Electricity.
- Electro-Dynamics.
- Geology and Mineralogy, by Lectures.
- Calculus, finished.
- Review.

This entire course of study will embrace three years. Students who have completed it will be entitled to a diploma conferring the degree of Bachelor of Philosophy. Those who prefer it may make such selection of studies from either course as they see fit.

Systematic instruction is given in *Elocution*, and Exercises in *Declamation* and in *English Composition*, are steadily required of all the Students connected with the Institution.

The regular Examinations for Admission are on the day preceding the Annual Commencement, and on the first day of the Fall Term. But candidates for an advanced standing may be admitted upon examination, at any time during the Collegiate terms. It is earnestly recommended, however, that the application be made, if possible, at the commencement of a term.

If the applicant has been a member of any other College, he will be expected to present a certificate of regular dismissal.

The following is an outline of the course of instruction adopted in the several Departments. The instruction will be given in practical exercises, and by lectures or recitations, according to the nature of the studies, and at the discretion of the instructor. The number and choice of studies to be pursued are optional with the student, who will, however, be counselled on these points by the Professors.

I. THE DEPARTMENT OF ENGLISH LITERATURE will embrace History, Ancient and Modern, Rhetoric, Logic, Natural History, Botany, Mental Philosophy, Moral Philosophy, Evidences of Christianity, Political Economy, Elements of Criticism, Constitution of the United States, and International Law.

II. THE DEPARTMENT OF MATHEMATICS will embrace Higher Arithmetic, Algebra, Plane and Solid Geometry, Plane and Spherical Trigonometry, Mensuration, Analytical Geometry, Differential and Integral Calculus, Analytical Mechanics, and Astronomy.

III. THE DEPARTMENT OF LATIN AND GREEK will comprise Livy, Xenophon's *Anabasis*, Homer's *Odyssey*, Horace (*Odes* and *Satires*), Xenophon's *Memorabilia*, Cicero de *Amicitia* and de *Senectute*, Herodotus, Cicero de *Officiis*, Tacitus, Prometheus of Æschylus, and *Electra* of Sophocles, *Alcectis* of Euripides, Plato's *Gorgias*, the *Captivi* of Plautus, the *Andria* of Terence, *Clouds* of Aristophanes, Cicero's *Tusculan Disputations*, and Demosthenes de *Corona*.

IV. DEPARTMENT OF NATURAL PHILOSOPHY AND CIVIL ENGINEERING. *Natural Philosophy* will embrace the study of Mechanics, Hydrostatics, Pneumatics, Optics, Science of Heat and Sound, Electricity and Magnetism, Voltaic Electricity or

Galvanism, Electro-Magnetism, Magneto-Electricity and Electro-Dynamics, and Thermo-Electricity.

Civil Engineering embraces the following studies and exercises, Analytical Geometry, Theory of Shades, Shadows, and Linear Perspective, Drawing, Geometrical, Mechanical, Topographical, and Outline, including Plans, Sections, and Elevations of proposed Structures, Theoretical and Practical Mechanics, including combinations of Machinery, Principles of Architecture, Nature and Properties of Building Materials, and their application to the construction of Rail-roads, Canals, Bridges and Buildings. *Field Work*, Surveying with the Compass and Theodolite. *Levelling*, Locating Roads and Canals, Surveys for the Estimates of Excavations and Embankments; Astronomical Observations for the determination of Time, Latitude and Longitude.

The full course of Civil Engineering occupies one year, commencing with the First Collegiate Term, and the studies are distributed in the following manner :—

First Term.

Drawing, Geometrical and Mechanical.	Analytical Geometry.
Shades, Shadows, and Perspective.	Science of Heat, Optics and Acoustics.
Surveying and Levelling.	

Second Term.

Drawing, (Architectural, Shading and Tinting.)	Differential Calculus.
Mechanics, with application to Engineering.	Astronomy, begun.
	Science of Construction.
	Chemistry.

Third Term.

Hydrostatics and Pneumatics.	Principles of Architecture.
Integral Calculus.	Astronomy, finished.
Science of Construction.	

The Studies required for an admission to the full course are Arithmetic, Algebra, Geometry, and Trigonometry; but without this amount of preparation, persons may be admitted to any portion of the course which they are able to pursue to advantage.

V. DEPARTMENT OF AGRICULTURE. This department consists of a selection of such studies from the other departments, as will best meet the wants of those intending to pursue Practical Agriculture, or Manufacturing, as well as those who propose to engage in teaching. It embraces Algebra, Geometry, Mensuration, and Drawing, in all its branches, Surveying, Botany, Mineralogy, Natural History, and the application of Chemistry to the determination of the Specific Gravity of Solids, Liquids, and Gases; and the Analysis of Soils, grains, and manures, generally; and for the detection of vegetable and mineral poisons.

As the Agricultural are the great interests of our country, it is intended to make this department the centre of Agricultural knowledge.

VI. DEPARTMENT OF MODERN LANGUAGES.—

French.

Grammar; <i>Ollendorff's</i> .	Extraits Dramatiques; <i>Collot's</i> .
Elementary French Reader;	Picot's Series.
<i>Fivas</i> .	Dictionary; <i>Surrene's</i> .

German.

Grammar; <i>Ollendorff's</i> .	Fables; <i>Lessing's</i> .
German Reader; <i>Adler's</i> .	Schiller's Works.
	Dictionary; <i>Flugel's</i> .

Spanish.

Grammar; <i>Ollendorff's</i> .	Colmena Española.
Grammar; <i>Jose's</i> .	Cartas Marruecas.
Gil Blas.	Don Quixote.
Dictionary; <i>Neuman's</i> .	

Italian.

Grammar; <i>Ollendorff's</i> .	Poesie Italiene.
Nouvelle Italiene.	Prose Italiene.
Dictionary; <i>Graglia's</i> .	

Those Students who wish to take a thorough course, have the opportunity of doing so; while others, whose object may be to acquire sufficient knowledge to translate with facility, and to pronounce with tolerable correctness, *in as short a time as possible*, are also provided for.

Calendar.

1853.

August 31, FIRST TERM begins—Wednesday evening.

Dec. 15–21, FIRST TERM Examinations.

Decem. 21, FIRST TERM ends—Wednesday morning.

VACATION of Two Weeks.

1854.

January 4, SECOND TERM begins—Wednesday evening.

Mar. 22–28, SECOND TERM Examinations.

March 28, JUNIOR EXHIBITION—Tuesday evening.

March 29, SECOND TERM ends—Wednesday morning.

VACATION of Four Weeks.

April 26, THIRD TERM begins—Wednesday evening.

July 11–17, THIRD TERM and Annual Examinations.

July 18, ORATION before the Literary Societies—Tuesday evening.

July 19, COMMENCEMENT—Wednesday morning.

VACATION of Six Weeks.

August 29, EXAMINATIONS for Admission into College.

August 30, FIRST TERM commences Wednesday evening.

EXPENSES.

ENTRANCE FEE. If the Student enters College as Freshman, \$5; if as Sophomore, \$10; if as Junior, \$15; and if as Senior, \$20. If he enter the Scientific Department as a Junior, \$5; as Middle, \$10; as Senior, \$15.

This fee, however, is not required when the Student comes from another College.

	FIRST TERM.	SECOND TERM.	THIRD TERM.
Tuition	\$16 00	\$12 00	\$12 00
Room Rent	4 00	3 00	3 00
Fuel for Oratory and Recitation Rooms,	75	75	
Janitor's Wages	75	75	75
Use of Library	75	75	50
Incidental Expenses	75	75	75
	\$23 00	\$18 00	\$17 00

The Bill for each Term *must* be paid in advance. Tuition is remitted to such as come on the right of Scholarships. The Fee for instruction in Modern Languages, is \$5 per Term.

Board may be had in the College, at a table with Professors and their families, or in the Village, from \$1 75 to \$2 00 per week. Washing may be had at the usual rates.

Fuel is furnished to the Students at cost. A sum equal to the probable cost is advanced by each Student; if more is consumed it is charged to him—if less, the balance is refunded.

Students provide for themselves bed and bedding, furniture for their rooms, lights, books, stationery and washing. The Literary Societies also require small sums each session. If the furniture and books are sold when the student has no further necessity for them, the expenses incurred by their use will not be great.

PAYMENT. All College dues, for each term, must be paid in advance. The Treasurer's receipt must be exhibited to the President before the Student can be admitted to his recitations. Students entering before the middle of the term, will be charged with full Tuition, Room Rent, and other items for the term. When entering at or after the middle of a term, with one half such Tuition, Room Rent, &c.

If a student be removed from the College by his parent or guardian, by the Faculty, or by sickness or other casualty, before the middle of the term, the money paid by him for the latter half will be refunded, otherwise not; but the whole of the money paid for his board for the time he is absent will be refunded.

Damages are assessed on the perpetrators, if discovered; otherwise, on all the students.

PHILOSOPHICAL APPARATUS. The College is provided with a most complete Philosophical Apparatus, that furnishes ample means of experimental illustration in all the different branches of Natural Philosophy.

A course of illustrated and experimental lectures upon the Physical and Mechanical Sciences, is given to the two upper classes:—embracing, in addition to the illustration of the general principles of Mechanics, Hydrostatics, Pneumatics, Meteorology, Optics, Electricity, Magnetism and Astronomy, taught in all colleges; a full exhibition of the interesting phenomena of Polarized Light, and Diffraction; the theory of Musical Vibrations; a detailed exposition of the sciences of Galvanism, Electro-Magnetism and the kindred branches, Thermotics, or the science of Heat, and Thermo-Electricity, with the aid of Melloni's Thermo-Electric apparatus; and the explanation of the arts of Photography and the Electrotype.

The Astronomical Instruments consist of a Transit Circle, of thirty inches focus, and three and a quarter inches aperture, made

by Simms, of London; a Sextant and Artificial Horizon, by the same maker; a Chronometer, made by Molineux, of London; a Reflecting Telescope, of fourteen feet focus; and a large Celestial Globe. The explanation of the construction and use of these instruments, forms a part of the regular instruction of the Senior class in Astronomy.

This class has also an opportunity of inspecting objects of Natural History, through a very superior Achromatic Compound Microscope, made by Spencer, the distinguished American Optician.

RESIDENCE. Students are required to occupy such rooms as may be assigned them in the College building, unless for special reasons permitted by the Faculty to room elsewhere. No student is permitted to change his room without leave of the Faculty. Each Student must provide the furniture necessary for his own accommodation.

A student who does not return punctually at the commencement of the Term forfeits his room, and cannot take his place in his class, unless he present a satisfactory excuse from his parent or guardian, and sustain an examination in the studies pursued by the class during his absence. The same rule applies to such as lose any part of their course by absence during the term, unless specially excused by the Faculty.

EXAMINATIONS. At the close of each study, or branch of study, the members of the class are carefully examined, in the presence of the Faculty. At the close of each year the students are examined *in all the studies of the year*, in the presence of the Faculty and a Committee of the Trustees, and their attainments are communicated to the Board of Trustees. The names of such as stand in the first and second classes, are read in public by the President at Commencement.

RELIGIOUS INSTRUCTION. In addition to daily morning and evening prayers, divine worship is attended twice on every

Sunday, and the recitation on Monday morning is always in the Greek Testament. At the request of his parent or guardian, a student is permitted to attend any place of worship which the parent or guardian may select.

DISCIPLINE. The discipline is administered by the Faculty. The object is to join, as much as possible, mildness with effectiveness; to prevent, rather than to punish offences; to govern by the inculcation of correct principles more than by mere coercion. Extreme punishments, involving disgrace, are resorted to as seldom as possible. If immediate action be not necessary, the parent or guardian is generally informed of the misconduct, and advised to remove the delinquent. For the purpose of exercising greater vigilance, several members of the Faculty reside in the same building with the students.

No student is allowed to visit taverns, or other places of resort, that might injuriously affect his morals.

Particular note is taken of the *conduct* of each student, and the result for each session communicated in the Circular to the parent or guardian.

CABINET AND LIBRARIES. Through the liberality of DR. THOMAS B. WILSON, the College possesses an extensive Cabinet of Natural History, consisting chiefly of specimens in the following departments, viz. :

Ornithology,	500 Specimens.
Conchology,	300 Specimens.
Mineralogy,	2000 Specimens.

By an Act of the Legislature, the State Cabinet has recently been transferred to Delaware College.

The different Libraries in the Institution, contain about Seven Thousand Volumes.

Academical Department.

INSTRUCTORS.

REV. W. S. F. GRAHAM, A. M.,

PRINCIPAL.

SAMUEL R. GRAHAM, A. B.,

TEACHER OF LATIN AND GREEK.

JOSEPH W. WESTON, A. M.,

TEACHER OF NATURAL SCIENCE.

LORING JOHNSON, A. M.,

TEACHER OF MATHEMATICS.

WILLIAM D. MACKEY,

ASSISTANT TEACHER OF ENGLISH BRANCHES.

T. GROVER, A. M.,

COLLEGE PROFESSOR OF MODERN LANGUAGES.

NEWARK ACADEMY, DELAWARE,

ON THE PHILADELPHIA AND BALTIMORE RAIL-ROAD, ABOUT THREE
HOURS RIDE FROM EITHER CITY.

CIRCULAR.

THIS Department of Delaware College, through the liberality of the State Legislature and the Board of Trustees, is endowed with rare advantages as an Academy, while it enjoys peculiar additional privileges from its connexion with the College proper.

THE BUILDINGS are large and convenient, and fully provided with all the necessary fixtures of a complete Boarding establishment.

The smaller building is divided into rooms suitable for *private* study; thus affording accommodations equal to those enjoyed by the students of many of our Colleges.

FROM ITS RELATION TO THE COLLEGE, students of the Academy enjoy many advantages not generally obtained at institutions of this kind. Those who wish to pursue some particular branch, which falls more properly within the College course, may be admitted, as irregular students, to recite in any of the College classes. Students also of proper age and discretion, by recommendation of the Principal and permission of the Faculty, may enjoy the use of the College Library, without additional charge. Admission also may be had to the Lectures and to such other privileges of the College as can be profitably enjoyed by Academical Students.

The Course of Instruction

INCLUDES

THE VARIOUS BRANCHES OF A SUBSTANTIAL ENGLISH EDUCATION, AS
WELL AS THE USUAL PREPARATION FOR COLLEGE.

It comprises an English course; a Classical course; and a course
of Modern Languages; the studies of which are as follows:

English.

Orthography,	<i>Northend's.</i>
Penmanship,	<i>Plain and Ornamental.</i>
Reading,	<i>National Speaker.</i>
Geography,	<i>Mitchell's.</i>
Grammar,	<i>Brown's.</i>
History,	<i>Willard's.</i>
Arithmetic,	<i>Greenleaf's.</i>
Algebra,	<i>Davies'.</i>
Mensuration,	<i>Davies'.</i>
Geometry,	<i>Davies'.</i>
Surveying,	<i>Davies'.</i>
Physiology,	<i>Cutter's.</i>
Natural Philosophy,	<i>Gray's.</i>
Chemistry,	<i>Fownes'.</i>
Botany,	<i>Gray's.</i>
Book-Keeping,	<i>Fulton and Eastman's.</i>
Geology,	<i>Hitchcock's.</i>
Composition,	<i>Parker's Aids.</i>
Rhetoric,	<i>Newman's.</i>
Elocution,	
Drawing,	
Music. . . .	

Latin.

Latin Grammar,	<i>Andrews and Stoddard's.</i>
Latin Reader,	<i>Andrews'.</i>
Cornelius Nepos,	<i>Arnold's.</i>
Cæsar's Commentaries,	<i>Andrews'.</i>
Latin Prosody,	<i>Moore's.</i>
Virgil,	<i>Cooper's.</i>
Cicero's Orations,	<i>Abbott's.</i>
Sallust,	<i>Andrews'.</i>
Horace,	<i>Lincoln's.</i>
Cicero de Officiis,	<i>Dillaway's.</i>
Cicero de Senectute et Amicitia,	<i>Dillaway's.</i>

Greek.

Greek Grammar,	<i>Sophocles'.</i>
Greek Lessons,	<i>Sophocles'.</i>
Greek Reader,	<i>Felton's.</i>
Xenophon's Anabasis,	<i>Owen's.</i>
Homer's Odyssey,	<i>Owen's.</i>
Xenophon's Memorabilia,	<i>Robbin's.</i>
Greek Syntax,	
Greek Testament.	

Throughout the Classical Course, frequent recitations in *Ancient Geography*, *Greek and Roman Antiquities* and *Mythology*, with Exercises and Translations, of *English* into *Greek* and *Latin*. *Andrews' Latin Lexicon*, and *Liddell's & Scott's Greek Lexicon*, are particularly recommended.

MODERN LANGUAGES. This Department is under the charge of the College Professor. The Student may either take a thorough course and learn to speak correctly any language he may choose ; or he may learn to translate with facility, and pronounce with tolerable accuracy, in as short a time as possible.

ADMISSION. In order to admission to the Academy, the Student must be at least ten years old, must be able to read and write, and must have made some progress in Arithmetic and Geography. It is not our design to do the work of the Primary School, and under no circumstances will a student be admitted unless fully prepared to enter the above classes.

EXPENSES. The charge for Boarding, Washing, Fuel, etc., with tuition in English, Latin and Greek, is \$70 for the Summer Session, and \$75 for the Winter Session. The only extra charges are for French, Drawing and Music. The fee for each is \$10 per term. Those who study in their rooms during the winter term, will also incur their proportion of the expenses of a *private* fire, and furnish their own light. The bill for each term must be paid in advance. In case of absence occasioned by sickness, the proper portion will be refunded. The charge for Tuition (\$15 per term) is remitted to such as come on the right of scholarships.

TERMS AND VACATIONS. The Academic year is divided into two *terms* or *sessions* of twenty-one weeks each. The first commences Wednesday the 26th of October, 1853, and ends the 22nd of March, 1854. The second commences Wednesday the 26th of April, 1854, and ends the 20th of September.

Each session is followed by a *vacation* of five weeks. The proper time to enter is at the beginning or middle of a session, but admission may be obtained at other times, if desired. It is

important that students for the whole session be present at the formation of the classes, on the first or second day of the term. Besides the opportunity of selecting a room, it is no inconsiderable advantage to obtain a fair start with the various classes in the studies to be pursued.

RESIDENCE. The students board and occupy rooms in the Academy buildings. The furniture necessary for the accommodation of the pupil is furnished.

In the smaller house, rooms are furnished, as in colleges, for *private* study. This privilege will be granted to such older students as prefer it, and whose studious habits and general good conduct will justify it.

The *smaller boys* will room in the Main Building, under the immediate charge of an experienced *Matron*, whose special province it will be to attend to the *rooms, clothes, and persons* of those entrusted to her care. Their studies and recitations will proceed under the eye of their teachers, in the school-room, during the day and in the evening. By this arrangement, the neatness, health and comfort of the younger pupils will be effectually secured, whilst their industry and improvement will receive the immediate and constant attention which their age requires.

THE GYMNASIUM. With a view to preserve and promote the general health of the pupils, a Gymnasium has been fitted up, and furnished with all the necessary apparatus. Here the student may find exercise and sport in the stormiest weather.

THE LIBRARY. Besides an Academical Library, and one belonging to the Literary Society, the College Library will also be open to Academical Students, of proper age and discretion.

RELIGIOUS INSTRUCTION. Morning and evening worship is maintained in the school-room, which all the students attend. On the Sabbath, students will attend such one of the Churches in the Village as the Parent or Guardian may request, and in the afternoon a Biblical Exercise, conducted by the Principal and the Teachers.

EXAMINATIONS. An examination of all the students will be held at the close of each term, in the presence of the Faculty, the Trustees, and such other persons as may wish to attend. Exhibitions in Elocution and Music will also be given at the close of the Sessions.

GOVERNMENT. The government of the school will be gentle, but *decided*; maintained by appeals to the affections, the conscience, and honorable feelings of the pupil, rather than by less noble and more violent means. The experience of many years has convinced the Principal that, in nine cases out of ten, a proper development and cultivation of the better qualities of the heart will more effectually bind a pupil to his teacher, and secure obedience, in presence or in absence, than any other means whatever. Whilst particular attention will be paid to the morals and health of the pupil, a prominent object will be to make *scholars*. The Principal does not hesitate to pledge himself to parents and guardians who may place their boys under his charge, that where natural defect or sickness does not interfere, his scholars shall make a *constant, real and honorable* advance in all their studies. Idleness or immorality will not be tolerated. No student will be retained whose conduct furnishes an example dangerous to the morals of his companions, or whose progress in study is not deemed sufficient to justify the expense incurred.

REPORTS. A report will be sent, at the close of every session, to the parents or guardian of each pupil, presenting a faithful account of his *Industry, Scholarship, and general deportment*. These reports will be carefully made out from records preserved of all the particular recitations and delinquencies of the pupil. Parents will thus have the satisfaction of knowing the exact standing and improvement of their sons; while they, on the other hand, will regard themselves as still under the eye of their parents. Notice moreover will be given by letter to the parents of the younger pupils, from time to time, of their progress and conduct.

BILLS AND POCKET MONEY. No student is allowed to contract bills at a store or elsewhere, without an order from the Principal. It is desirable that boys should not be allowed much pocket money; whatever is deemed a suitable allowance should be placed in the hands of the Principal, or one of the other Officers of the school, to be regularly dispensed, in such sums as the parent may prescribe, provided it does not tend to promote indolence or any other vicious habit.

CLOTHING. It is desirable that each pupil, *on entering*, should be furnished with a sufficiency of external clothing, and have all his clothes marked with his name in full. He should also have *slippers, overshoes, an umbrella, and towels*.