Catalogue of Trinity College, 1891-92 (Officers and Students)

Trinity College, Hartford Connecticut

CATALOGUE

OF

TRINITY COLLEGE

1891-1892

CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF

TRINITY COLLEGE

1891-92

Pro Ecclesia et Patria

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TRINITY COLLEGE

HARTFORD CONNECTICUT

THE charter of Washington College was granted in 1823 by the General Assembly of the State of Connecticut ; and by vote of the Trustees, in consequence of the liberal gifts of citizens of Hartford, the College was located in that city. In 1824 the work of instruction was begun; and two buildings, Seabury Hall and Jarvis Hall, were erected on an ample site near the city. In 1845 Brownell Hall was built; and in the same year, on the petition of the Alumni and the Corporation, the name of the College was changed to TRINITY COLLEGE; and the Alumni, who had formed a voluntary Association in 1831, were organized into a constituent part of the Academic body. In 1883 the charter was so amended as to provide for the election of three of the Trustees by the Alumni.

The College campus having been sold in 1872 to the city of Hartford as a site for the State Capitol, a new site of about eighty acres was purchased; and ground was broken in 1875 for the new buildings, which were occupied in 1878. Five years later the west side of the great quadrangle, more than six hundred feet in length, was completed by the erection of the central building, which, after the name of its donor, is called Northam Towers. On the campus, facing the buildings, stands the colossal statue of Bishop Brownell, Founder and first President of the College, which was presented by Gordon W. Burnham, Esq., of New York, in 1867. The St. John Observatory was built in 1883, and the President's house in 1885. The new Gymnasium and Alumni Hall, erected by the generosity of Junius S. Morgan, Esq., of London, and others whose names are printed in the catalogue for 1886 – 87, was completed in 1887; and the Jarvis Hall of Science, the gift of George A. Jarvis, Esq., of Brooklyn, N. Y., was completed in 1888.

Five professorships have been wholly or partially endowed: the Hobart Professorship, founded in 1834 by gifts from the corporation of Trinity Church, New York, the Messrs. Warren, of Troy, and other donors for the most part resident in the State of New York; the Seabury Professorship, founded in 1837 by the legacy of Nathan Warren, Esq., of Troy, N. Y., and by other subscriptions; the Scovill Professorship, founded in 1854 by Messrs. J. M. L.

Scovill and William H. Scovill, of Waterbury, Conn.; the Brownell Professorship, founded in 1856 by the legacy of Mrs. Sarah Gregor, of Norwalk, Conn.; and the Northam Professorship, founded in 1882 by the legacy of Charles H. Northam, Esq., of Hartford.

The names of other benefactors who have founded scholarships or established special funds are given on later pages of this catalogue. The college has also, at different times, received liberal gifts for the Academic funds, of which the largest have been those from the legacies of Chester Adams, Esq., of Hartford, in 1871, of Charles H. Northam, Esq., in 1882, and of Stephen M. Buckingham, Esq., of Poughkeepsie, N. Y., in 1887. The largest gifts to the building funds, besides those already mentioned, have been from the legacies of the Rev. Dr. Wheaton, ex-President of the College, in 1862, and of Mrs. Charles H. Northam in 1884.

During the past year, the College has received $25,000, a gift from Mrs. Walter Keney and Henry Keney, Esq., of Hartford, and two other gifts of $2,000 each from an anonymous donor, for the increase of the general Academic funds; notice has been given of an intended gift of $50,000 from the residuary estate of the late David B. Fayerweather, Esq., of New York, to be used for some special purpose not yet designated; and the sum of $50,000, provided by the legacy of Mrs. Frances J. Holland, daughter of Bishop Brownell, for the endowment of scholarships in memory of her husband, the late Thomas Holland, Esq., has become available for that purpose. Generous friends have promised $10,000 for a biological laboratory and $15,000 for a Professor in Biology; and a gift of $6,000 has been made for the improvement of the grounds on the west of the College buildings. Miss Sallie Eigenbrodt, of New York, has presented to the Alumni a massive silver loving-cup in memory of her brother, the late David L. Eigenbrodt, M.D., of the class of 1831. The Library has been increased by numerous gifts and by the purchase of books to the value of nearly $1,000 from the income of funds; and also, since the opening of the new year, by the legacies of the Rt. Rev. Dr. B. H. Paddock of the class of 1848, and the Rev. Sheldon Davis of the class of 1837. The Cabinet has been enriched by a collection of Rocky Mountain views, presented by Frederick H. Chapin, Esq., of

Hartford, and by other gifts. The Trustees have made provision for the fitting up of additional rooms in connection with the physical laboratory and for an assay room in connection with the chemical laboratory. Besides the gifts already mentioned, others have been received for special scholarships, for the increase of the English prize fund, and for the furtherance of the athletic interests of the students.

The College has no preparatory department or professional school for graduates, but its purpose is to afford the opportunity for obtaining a liberal education. The requirements for admission and the course of instruction for degrees in the Arts have always been practically the same as in the other New England colleges. The College has from the first made provision for the admission of students in special courses; and in 1884 three new courses of study were established, two of which lead to a degree in Science, and elective studies were introduced into all the courses. In the present year, the amount of time assigned to elective work in Junior and Senior years has been nearly doubled, and the number of elective courses correspondingly increased. As a consequence of these changes, the several courses of study have been rearranged, as will appear in later pages of this Catalogue. It may be specially noted here, that the Modern Languages now enter into the studies of both Freshman and Sophomore year in the course in Arts, that Sanskrit has been made a regular elective, and that provision has been made for more extended work in the physical and the chemical laboratories. Attention is also called to the requirement of elementary French or German for admission to the courses in Science, in Letters and Science, and in Letters. Additional opportunities have been provided this year for the instruction of all the students in the several departments of gymnasium work; and a certain amount of attendance upon this instruction is required of the Freshmen.

Copies of catalogues and examination papers, and information concerning the courses of instruction, scholarships, etc., can be obtained from the President or from the Secretary of the Faculty.

A new edition of the Quinquennial Catalogue of the officers and graduates of the College was published in 1890. It is requested that memoranda of errors or omissions in this catalogue be sent to the Professor of Latin.

COLLEGE CALENDAR

1891

Sept.	18	*Thursday*	Christmas Term begins
Nov.	2	*Monday*	Holiday (for All Saints' Day)
"	26	*Thursday*	Thanksgiving-Day
Dec.	23	*Wednesday*	Christmas Recess begins

1892

Jan.	13	*Wednesday*	Christmas Recess ends
Feb.	1	*Monday*	Christmas Examinations
"	2	*Tuesday*	" "
"	3	*Wednesday*	" "
"	4	*Thursday*	" "
"	5	*Friday*	" "
"	6	*Saturday*	" " Toucey Scholar appointed
			Trinity Term begins
Feb.	22	*Monday*	Washington's Birthday Oratorical Prize Contest
March	2	*Wednesday*	Ash-Wednesday
April	15	*Friday*	Good Friday
"	22	*Friday*	Easter Recess begins
May	2	*Monday*	Easter Recess ends
"	3	*Tuesday*	English Literature Prize Examination
"	4	*Wednesday*	Chemical Prize Essays handed in
"	6	*Friday*	Tuttle Prize Essays handed in
"	7	*Saturday*	Latin Prize Examination
"	7	*Saturday*	History Prize Examination
"	14	*Saturday*	Mathematical Prize Examination
"	19	*Thursday*	Prize Version Declamations
"	26	*Thursday*	Ascension-Day
June	3	*Friday*	Senior Examinations
"	4	*Saturday*	" "
"	6	*Monday*	" "
"	7	*Tuesday*	" "
"	8	*Wednesday*	" "

June	9	*Thursday*	Senior Examinations Trinity Examinations
'	10	*Friday*	" " " "
"	11	*Saturday*	Trinity Examinations Senior Standing published
"	12	*Sunday*	Trinity-Sunday
"	13	*Monday*	Trinity Examinations
"	14	*Tuesday*	" "
"	15	*Wednesday*	" "
' "	16	*Thursday*	" "
"	17	*Friday*	Award of Prizes Holland Scholars appointed
"	19	*Sunday*	Baccalaureate Sermon
"	20	*Monday*	Annual Meeting of the Board of Fellows
"	20	*Monday*	Examinations for Admission Junior Standing published
"	21	*Tuesday*	Examinations for Admission Class-Day
"	21	*Tuesday*	Annual Meeting of the Corporation (evening)
"	22	*Wednesday*	Examinations for Admission
"	22	*Wednesday*	Annual Meetings of the Corporation and the Association of the Alumni
"	23	*Thursday*	SIXTY-SIXTH COMMENCEMENT Trinity Vacation begins

Sept.	13	*Tuesday*	Examinations for Admission begin
"	15	*Thursday*	Christmas Term begins
Dec.	22	*Thursday*	Christmas Recess begins

In 1892–93 the Christmas Recess will be three weeks

SENATUS ACADEMICUS

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115 Vernon Street (office, 13 Seabury Hall)

The Rev. THOMAS R. PYNCHON, D.D., LL.D.
Brownell Professor of Moral Philosophy
90 Vernon Street

The Rev. SAMUEL HART, D.D.
Professor of the Latin Language and Literature
22 Jarvis Hall

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14 Seabury Hall

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Seabury Professor of Mathematics and Astronomy; and Secretary
111 Main Street

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Northam Professor of History and Political Science
123 Vernon Street

CHARLES FREDERICK JOHNSON, M.A.
Professor of English Literature
69 Vernon Street

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Professor of Modern Languages
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21 Jarvis Hall

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Professor of Oriental and Modern Languages
3 Northam Towers

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Lecturer on Anatomy and Physiology
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Lecturer on Law
372 Main Street

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Lecturer on Hygiene
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Lecturer on English Literature
37 Forest Street

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New Haven

The Rev. FREDERIC GARDINER, Jr., B.A.

Instructor in Natural Science
Pomfret

EDWIN F. LAWTON, B.S.

Assistant in the Chemical and Physical Laboratories
19 Northam Towers

Lieut. H. BÄRENSPRUNG

Instructor in the Gymnasium
13 Northam Towers

The stated meetings of the Faculty are held every Wednesday morning at 11 o'clock

GRADUATE STUDENT

NAME	RESIDENCE	ROOM
Edwin Franklin Lawton, B.S.	*West Cheshire, Ct.*	19 N. T.

UNDERGRADUATES

SENIORS

NAME	RESIDENCE	ROOM
Stephen Howard Alling	*Suffield, Ct.*	18 J. H.
Albert Crabtree	*Fall River, Mass.*	14 J. H.
Thomas Langdon Elwyn (L. S.)	*Philadelphia, Pa.*	33 J. H.
Frederic Beecher Fuller (s.)	*Concord, N. H.*	11 J. H.
Thaddeus Welles Goodridge	*Exeter, N. H.*	18 S. H.
Harmon Sheldon Graves	*Burlington, Vt.*	28 J. H.
Clarence Loines Hall (s.)	*Hartford* 61 Wethersfield Av.
Gordon Hall (L. s.)	*Pasadena, Cal.*	15 J. H.
Elijah Kent Hubbard, Jr. (L. s.)	*Middletown, Ct.*	18 S. H.
Romilly Francis Humphries	*New York City*	25 J. H.
Charles Amos Johnson (s.)	*Norwich, Ct.*	16 J. H.
Hugh Kidder	*Owego, N. Y.*	1 J. H.
Malcolm Stuart McConihe	*Troy, N. Y.*	31 J. H.
Thomas McKean, Jr. (L. s.)	*Philadelphia, Pa.*	30 J. H.
Roland Hawley Mallory (L.)	*Bridgeport, Ct.*	28 J. H.
William Joseph Miller	*Newport, Del.*	15 N. T.

SENIORS

NAME	RESIDENCE	ROOM
John Paine	*Troy, N. Y.*	29 J. H.
Ernest Randall	*Essex, Ct.*	1 J. H.
Rollin Sanford Saltus	*Orange, N. J.*	16 S. H.
Alexander Hamilton Sibley	*Detroit, Mich.*	9 J. H.
Charles Edward Taylor	*Nashua, N. H.*	30 J. H.
Charles Christopher Trowbridge(L.S.)	*New Haven, Ct.*	9 J. H.

SPECIAL STUDENTS, NOT CANDIDATES FOR A DEGREE

William Osgood Orton	*Philadelphia, Pa.*	7 J. H.
Thomas Henry Yardley	*Newport, R. I.*	19 S. H.

JUNIORS

NAME	RESIDENCE	ROOM
Edwin Stanton Allen (L. S.)	*Hartford*	12 J. H.
Harry Ward Baldwin	*Mendon, Ill.*	8 N. T.
Charles Clarence Barton, Jr.	*Newton, Mass.*	10 J. H.
Robert Peck Bates	*Willimantic, Ct.*	16 J. H.
Carter Lee Bowie	*Collington, Md.*	4 J. H.
William Bowie (s.)	*Annapolis Junc., Md.*	17 J. H.
John Charles Bulkeley (L. S.)	*Hartford*	7 J. H.
Lawson Averell Carter	*Cooperstown, N. Y.*	122 Ver'n St.
Clarke Churchman (s.)	*Wilmington, Del.*	57 Allen Pl.
Frederick Bradford Cole	*Warren, R. I.*	39 J. H.
William French Collins	*Brattleboro', Vt.*	27 J. H.
William Eugene Conklin	*Hartford*	1 Wolcott St.
James Cullen, Jr.	*Cincinnati, O.*	35 J. H.
Ellis Bedell Dean	*Hartford*	43 J. H.
William Leslie French	*New York City*	24 J. H.
Henry Closson Gilbert	*Randolph, Vt.*	3 J. H.
George Derwent Hartley	*New York City*	17 S. H.
Charles Albert Horne	*Dover, N. H.*	2 N. T.
Louis deKoven Hubbard	*Middletown, Ct.*	17 S. H.
Frederick Brisco Hubbell (s.)	*Newtown, Ct.*	26 J. H.
Samuel Henry Jobe	*New York City*	5 N. T.

JUNIORS

NAME	RESIDENCE	ROOM
Charles Judd	*Kent, Ct.*	26 J. H.
Charles Augustus Lewis	*New London, Ct.*	11 J. H.
John Williams Lewis	*Bridgeport, Ct.*	8 J. H.
Luke Vincent Lockwood	*Riverside, Ct.*	122 Vernon St.
March Chase Mayo	*Hartford*	38 J. H.
William Porter Niles	*Concord, N. H.*	19 S. H.
Burton Parker	*Hartford*	19 J. H.
Reginald Pearce	*Portsmouth, R. I.*	5 N. T.
Henry Hubbard Pelton	*Middletown, Ct.*	33 J. H.
William Hermon Rouse	*Cobalt, Ct.*	26 J. H.
Herbert Mendenhall Smith	*Bridgewater, Ct.*	43 J. H.
William Croswell Doane Willson (L. s.)	*Lansingburgh, N. Y.*	12 J. H.
George Hewson Wilson	*Albany, N. Y.*	122 Vernon St.
Richard Henry Woffenden	*North Adams, Mass.*	39 J. H.

SPECIAL STUDENTS, NOT CANDIDATES FOR A DEGREE

Charles Andrew Monaghan	*Bristol, Ct.*	5 J. H.
Paris Becker Stauffer	*Mount Joy, Pa.*	8 N. T.

SOPHOMORES

NAME	RESIDENCE	ROOM
Louis Isaac Belden	*Thomaston, Ct.*	40 J. H.
James Birckhead Birckhead	*Newport, R. I.*	34 J. H.
James Briscoe, Jr. (s.)	*Baltimore, Md.*	6 J. H.
Shirley Carter	*Baltimore, Md.*	4 J. H.
Cameron Josiah Davis	*Watkins, N. Y.*	11 N. T.
Francis Cruger Edgerton (s.)	*Middletown, Ct.*	20 J. H.
John Warren Edgerton	*Middletown, Ct.*	20 J. H.
George William Ellis	*Hartford*	27 J. H.
Fred D Gallup	*Smethport, Pa.*	3 J. H.
Richard Stayner Graves	*New Haven, Ct.*	30 J. H.
Howard Trescott Greenley (s.)	*Perth Amboy, N. J.*	6 N. T.
Harry Richard Humphries (s.)	*New York City*	25 J. H.
Horton Gregory Ide (s.)	*Boston Highlands, Mass.*	38 J. H.
Francis Porter Johnson	*Hartford*	4 N. T.
Frederick Foote Johnson	*Newtown, Ct.*	11 N. T.
Samuel Harrington Littell	*Wilmington, Del.*	37 J. H.
Palmer Bennett Morrison	*New York City*	41 J. H.
Robert Lewis Paddock	*Tacoma, Wash.*	16 S. H.
Robert Prescott Parker	*Hartford*	19 J. H.
Philip DeWitt Phair (l.)	*Presque Isle, Me.*	10 N. T.
Nathan Tolles Pratt	*New Britain, Ct.*	40 J. H.

SOPHOMORES

NAME	RESIDENCE	ROOM
George Albert Quick (s.)	*Chicago, Ill.*	32 J. H.
Walter Stanley Schütz	*Concord, N. H.*	37 J. H.
*Oliver Alcott Smith	*Chicopee, Mass.*	17 J. H.
Floyd Thomas Steele (s.)	*Tacoma, Wash.*	2 J. H.
Solomon Stoddard	*Jersey City, N. J.*	13 J. H.
Albert William Strong (L. s.)	*Minneapolis, Minn.*	15 J. H.
William Welsh Vibbert	*New York City*	8 J. H.
Edward Conrad Wagner (s.)	*New York City*	6 J. H.
Charles Frederick Weed	*Claremont, N. H.*	13 J. H.
Perley Raymond Wesley (L. s.)	*Hartford*	51 Seymour St.

SPECIAL STUDENTS, NOT CANDIDATES FOR A DEGREE

Willie Masten Bours	*Stockton, Cal.*	7 N. T.
Harrie Renz Dingwall	*Detroit, Mich.*	2 J. H.
Myron Potter Robinson	*Glastonbury, Ct.*	14 N. T.

* Died 4 December 1891

FRESHMEN

NAME	RESIDENCE	ROOM
Charles DuBois Broughton	Salem, N. Y.	23 J. H.
Frank Sumner Burrage	Denver, Col.	24 J. H.
Sydney Key Evans	Scranton, Pa.	18 J. H.
Charles Gallagher, Jr.	Steubenville, O.	42 J. H.
James Daton Gallagher	Steubenville, O.	42 J. H.
Edward Percy Hamlin	New York City	35 J. H.
George Edwin Hamlin	Willimantic, Ct.	44 J. H.
Richard Henry Macauley	Detroit, Mich.	10 J. H.
Philip James McCook	Hartford	114 Main St.
Arthur Fletcher Miller	Meriden, Ct.	Meriden
Ogle Tayloe Paine	Troy, N. Y.	29 J. H.
John Jesse Penrose, Jr.	Central Village, Ct.	1 N. T.
Frederic Ernest Pratt (l. s.)	Hartford	59 Wethersfield Av.
Ward Winters Reese	Lancaster, Pa.	3 J. H.
Brian Chadwick Roberts (l. s.)	Concord, N. H.	34 J. H.
John Harrow Smart (l. s.)	Willoughby, O.	14 J. H.
Harvey Emerson Taylor	Nashua, N. H.	32 J. H.
Robert Clarkson Tongue (l. s.)	New Haven, Ct.	14 N. T.
Jonathan Mayhew Wainwright	Hartford	36 J. H.
David Willard	Greenfield, Mass.	36 J. H.

FRESHMEN

NAME	RESIDENCE	ROOM
Edward Myron Yeomans	*Andover, Ct.*	44 J. H.
Frank Raymond Young (L. S.)	*Smethport, Pa.*	23 J. H.

SPECIAL STUDENTS, NOT CANDIDATES FOR A DEGREE

Edward Gilpin Churchman	*Wilmington, Del.*	57 Allen Pl.
John Moore McGann	*Philadelphia, Pa.*	41 J. H.
Samuel Wilkinson Maguire	*Meriden, Ct.*	Meriden
Alfred Hallet Wedge	*East Derry, N. H.*	18 N. T.

SUMMARY

	Course in Arts	Course in Letters and Science	Course in Science	Course in Letters	Special Students	Total
Graduate Student	..	..	1	..	..	1
Seniors	13	5	3	1	2	24
Juniors	29	3	3	..	2	37
Sophomores	20	2	8	1	3	34
Freshmen	17	5	..	..	4	26
	79	15	15	2	11	122

ABBREVIATIONS

S. H.	.	Seabury Hall
J. H.	.	Jarvis Hall
N. T.	.	Northam Towers
L. S.	.	Course in Letters and Science
S.	.	Course in Science
L.	.	Course in Letters

COURSES OF INSTRUCTION

The College offers four Courses of Instruction, viz.:

    i. A COURSE IN ARTS

    ii. A COURSE IN LETTERS AND SCIENCE

    iii. A COURSE IN SCIENCE

    iv. A COURSE IN LETTERS

The courses extend over four years, with the exception of the Course in Science, which is completed in three years.

Students completing the Course in Arts receive the degree of Bachelor of Arts. Students completing the Course in Letters and Science, or the Course in Science, receive the degree of Bachelor of Science.

Students who do not propose to pursue all the studies of any of the regular courses are permitted, under the name of Special Students, to recite with any class in such studies as upon examination they are found qualified to pursue. They are subject to the same rules and enjoy the same privileges as other students ; and, upon honorable dismissal, they are entitled to a certificate from the President, stating the studies which they have pursued during their residence in the College.

The degree of Master of Arts will be conferred upon Bachelors of Arts of three years' standing, who shall, by examination or otherwise, satisfy the Faculty that they have successfully pursued a course of study equivalent to the work of one academic year. Candidates for this degree desiring to be examined by the Faculty must make application before the first day of May. Candidates desiring to offer certificates of examinations passed elsewhere, in place of an examination by the Faculty, are required to present such certificates before the fifteenth day of June. Communications concerning courses of study and examinations should be addressed to the Professor of Greek. A diploma-fee of five dollars is charged, which should be sent to the Treasurer of the College before Commencement-week.

REQUIREMENTS FOR ADMISSION

I. Course in Arts

Candidates for admission to the Freshman Class are examined in the following studies :

GREEK

Grammar (Hadley or Goodwin).
Xenophon : Anabasis, four Books.
Homer : Iliad, three Books, with Prosody.
Prose Composition (Jones or White : the exercises in the first half of the book).
History of Greece.
[The translation of average passages, not previously read, from Xenophon and Homer, will be accepted as an alternative to the above-mentioned quantities in these authors.]

LATIN

Grammar.
Caesar : Gallic War, four Books.
Virgil : Aeneid, six Books, with Prosody.
Cicero : The Orations against Catiline, and that for the Poet Archias.
Prose Composition : Translation into Latin of a passage of connected English narrative, based upon some passage in Caesar's Gallic War.
Roman History : Outlines, to the death of Marcus Aurelius.
Ancient Geography.
Candidates are also examined at sight upon average passages from Caesar's works and Cicero's Orations, and from Virgil's Aeneid and Ovid's Metamorphoses.

MATHEMATICS

Arithmetic, including the Metric System.
Algebra, through Radicals and Quadratic Equations, together with Proportion, Progressions, and the Binomial Theorem.
Plane Geometry.

ENGLISH

Each candidate is required to write a short English composition, correct in spelling, punctuation, grammar, division by paragraphs, and expression, upon a subject announced at the time of the examination. In 1892 the subject will be chosen from the following works : Shakspeare's *Julius Caesar* and *As You Like it ;* Scott's *Marmion ;* Longfellow's *Courtship of Miles Standish ;* The *Sir Roger de Coverley Papers* in the *Spectator ;* Macaulay's *Second Essay on the Earl of Chatham ;* Webster's *First Bunker Hill Oration ;* Irving's *Alhambra ;* Scott's *Talisman ;* George Eliot's *Scenes from Clerical Life ;* Hawthorne's *House of the Seven Gables.*

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Each candidate will also be required to criticise specimens of English composition.

Note.—The works from which the subject of the composition will be chosen in the following years are :

In 1893 : Shakspeare's *Julius Caesar* and *Twelfth Night ;* Scott's *Marmion;* Longfellow's *Courtship of Miles Standish;* The *Sir Roger de Coverley Papers* in the *Spectator;* Macaulay's *Second Essay on the Earl of Chatham;* Emerson's *American Scholar ;* Irving's *Sketch Book ;* Scott's *Ivanhoe ;* Dickens's *David Copperfield.*

In 1894 : Shakspeare's *Julius Caesar* and *Merchant of Venice ;* Scott's *Lady of the Lake ;* Arnold's *Sohrab and Rustum;* The *Sir Roger de Coverley Papers* in the *Spectator;* Macaulay's *Second Essay on the Earl of Chatham;* Emerson's *American Scholar;* Irving's *Sketch Book ;* Scott's *Abbot ;* Dickens's *David Copperfield.*

In 1895 : Shakspeare's *Merchant of Venice* and *Twelfth Night ;* Milton's *L'Allegro, Il Penseroso, Comus,* and *Lycidas;* Longfellow's *Evangeline;* The *Sir Roger de Coverley Papers* in the *Spectator;* Macaulay's *Essays* on *Milton* and on *Addison;* Webster's *First Bunker Hill Oration;* Irving's *Sketch Book;* Scott's *Abbot.*

II. Course in Letters and Science

The requirements for admission are the same as in the Course in Arts, with the omission of Greek and extempore Latin translation and the addition of elementary French or German (see next page).

III. Course in Science

Candidates for the Course in Science are examined in Mathematics and in English, as for the Course in Arts, and also in the following studies :

Algebra from Progressions to the Theory of Equations, Solid Geometry, and Plane Trigonometry.

Six books of Caesar's Gallic War (or three books of Caesar and three books of Virgil's Aeneid), together with Latin Grammar and the elements of Latin Composition.

Elementary French or German (see next page).

Johnston's or Scudder's History of the United States.

Trench's *Study of Words* (Supplée's edition).

IV. Course in Letters

The requirements for admission are the same as in the Course in Arts, with the omission of Greek and the addition of elementary French or German (see next page).

Copies of papers used at the Examinations in 1891 are printed at the end of this Catalogue.

Requirements for Admission in the Modern Languages

Candidates for admission to the Course in Letters and Science, the Course in Science, or the Course in Letters, are examined in either French or German, at their option, as follows :

FRENCH

(1) Sight-reading ; in place of which may be presented, for translation and grammatical explanation, one hundred 12mo pages of French, to be selected by the candidate from prose or poetry.

(2) Elementary Grammar, including inflections of nouns, pronouns, adjectives, the regular and the more usual irregular verbs, such as *dire, faire,* and the classes represented by *ouvrir, sentir, venir, paraître, conduire,* and *craindre* ; also word-order, especially the positions of the personal pronouns.

(3) Ability to pronounce French with reasonable accuracy and facility. and to recognize and write at dictation simple words and phrases.

GERMAN

(1) Sight-reading ; in place of which may be presented, for translation and grammatical explanation, fifty 12mo pages of German, to be selected by the candidate from prose or poetry.

(2) Elementary Grammar, including inflection of the more easily classified nouns, of adjectives and pronouns, of the auxiliaries, including the modals, of the weak (regular) and the more usual strong (irregular) verbs, three lists of prepositions (dative, accusative, dative and accusative); also the simpler rules of syntax and word-order.

(3) Ability to pronounce German with reasonable accuracy and fluency, and to recognize and write at dictation, in German script, simple words and phrases.

NOTE.— It is believed that the requisite facility in sight-reading can be acquired by reading, concurrently with elementary grammar work, from two to four hundred 12mo pages in French, and from one to two hundred 12mo pages in German, from two authors.

It is recommended that, in spelling, the alphabet names of the French and German letters be systematically used, and that careful attention be given from the beginning to the fluent and intelligent reading aloud of all works used in the class-room.

Any candidate for the Course in Arts, satisfying the examination for admission in elementary French or German as specified above, will be permitted to enter upon advanced work at the time assigned in the course for the beginning of the study of the language.

EXAMINATIONS FOR ADMISSION

Two Examinations for Admission are held at the College in each year: the first at the end of June, in Commencement Week; and the second in September, immediately before the beginning of Christmas Term.

In 1892 the order of examinations will be as follows :

JUNE	SEPTEMBER

Monday, June 20th
   2 P.M. Greek ; Modern Languages
Tuesday, June 21st
   8½ A.M. Algebra and Trigonometry
   2 P.M. Latin; U. S. History
Wednesday, June 22d
   8½ A.M. Arithmetic and Geometry
   2 P.M. English
	Tuesday, September 13th
	   8½ A.M. Greek ; Modern Languages
	   2 P.M. Algebra and Trigonometry
	Wednesday, September 14th
	   8½ A.M. Latin; U. S. History
	   2 P.M. Arithmetic and Geometry
	Thursday, September 15th
	   8½ A.M. English

Candidates are required to present themselves at the hours appointed for the beginning of the examinations.

Examinations for admission will also be held on the specified days of June in New York, Philadelphia, Pittsburgh, Chicago, and San Francisco, and in other places, due notice of which will be given.

No candidate can be admitted to the College before he has completed his fifteenth year.

Candidates are allowed to divide the examinations and to pass a portion of the requirements a year before they propose to enter, except that no candidate is examined in advance on the whole of the requirements in any department. Applicants for admission to any of the higher classes must sustain, besides the examination for admission to the College, a further examination on the studies already pursued by the class which they propose to enter.

All candidates for admission must bring testimonials of good moral character; and those who are from other Colleges must produce certificates of dismissal in good standing. These testimonials and certificates should be presented at the time of the examinations.

Candidates for admission to the Freshman Class, presenting certificates from certain schools which have courses of instruction approved by the Faculty, are admitted without examination on the studies covered by the certificates.

SCHEMES OF STUDY IN THE FOUR COURSES

The following schedules show the studies of the several terms and the number of hours a week assigned to each department of instruction.

The Freshmen and the Sophomores are assigned fifteen hours of attendance upon prescribed studies in each week, besides one hour in religious studies. The Juniors and the Seniors are assigned fewer hours of attendance upon prescribed studies, and are required to choose electives in order to complete, besides their religious studies, at least the number of fifteen hours in each week. In computing this number, each hour of work in the Chemical, Physical, or Biological Laboratory or in the Observatory, and each hour in Drawing or in Mineralogy, is to be reckoned as a half-hour. The arrangement of the hours of attendance sometimes places limits to the choice of electives ; but within these limits the students may choose from the elective studies of any term such as they desire, subject to the approval of the Faculty. Students are required to signify their choice of electives for any term before the close of the preceding term.

It will be observed that, in all the courses, about two-fifths of the work of Junior year and three-fifths of the work of Senior year is in elective studies; and the students thus have ample opportunity of pursuing advanced studies in the departments which they may elect.

Students are allowed to pass from one course to another at the beginning of any term, provided they have satisfied all their former examinations.

The first recitation on Monday morning throughout the College course is devoted to religious studies. These comprise the following subjects: The New Testament in Greek; Old and New Testament History and Biblical Literature; Natural Theology; the Foundations of Religious Belief; the Evidences of Christianity; the Historical Coincidences and Evidences of the Holy Scriptures.

I. COURSE IN ARTS
FOR THE DEGREE OF BACHELOR OF ARTS

FRESHMAN YEAR
CHRISTMAS TERM

French (3 hours a week). I. *Elementary Course*. Grammar, to the Irregular Verb (Keetels). Les Prosateurs français (Roche), begun. II. *More advanced Course*. Chardenal's French Exercises for advanced pupils. L'Abbé Constantin.

Greek (4 hours). Herodotus. Homer: Odyssey. History of Literature. Grammar.

Latin (4 hours). Cicero: De Senectute and Somnium Scipionis. Livy: selections. Latin Composition.

Mathematics (4 hours). Algebra: Undetermined Coefficients, Series, Determinants, Logarithms, Theory of Equations. Solid Geometry.

TRINITY TERM

English (2 hours). English Words (Johnson). Rhetoric (Hill).

French (3 hours). I. *Elementary Course*. Grammar, finished. Les Prosateurs français, continued. II. *More advanced Course*. Chardenal, continued. About. Sandeau.

Greek (3 hours). Homer: Odyssey, continued. Xenophon: Hellenica. History. History of Literature. Greek Composition: Oral and Written Exercises.

Latin (3 hours). Catullus. Horace: Odes. Pliny: Epistles (extempore translation). Latin Composition.

Mathematics (4 hours). Solid Geometry. Plane Trigonometry. Surveying, with field-practice. Navigation.

SOPHOMORE YEAR
CHRISTMAS TERM

English (2 hours). Minto's Manual. History of Literature (Shaw).

German (3 hours). Grammar, through the Irregular Verb (Cook's Otto). Easy selections in prose and poetry. Dictations.

Greek (4 hours). Euripides: Medea. Sophocles: Antigone. History of the Drama. Reading at sight, with oral exercises.

Latin (4 hours). Tacitus: Germania and Agricola. Suetonius. History of the Roman Constitution (Mommsen).

Mathematics (2 hours). Spherical Trigonometry. Navigation. Analytic Geometry.

TRINITY TERM

English. Themes.

German (3 hours). Grammar, finished. Reader of German Literature (Rosenstengel): Lyric Poems and Ballads. Dictations. Composition.

COURSE IN ARTS

Greek (4 hours). Demosthenes: Popular Orations. Plato: Apology. Reading at sight, with oral exercises. Athenian Antiquities.

Latin (4 hours). Horace: Satires. Tibullus, Propertius, Lucan: selections (with extempore translation). Virgil: Eclogues.

Mathematics (2 hours). Analytic Geometry. Lectures.

Physics (2 hours). Experimental Lectures: Mechanics; Physics of Solids, Liquids, and Gases; Sound.

JUNIOR YEAR

CHRISTMAS TERM

English. Themes.

Chemistry (2 hours). Lectures on General Chemistry (Roscoe's Elementary Chemistry; Stoddard's Outlines). [In place of this Course may be substituted Elective Course 39, the additional two hours counting as an elective.]

Physics (4 hours). Experimental Lectures: Light, Heat, and Electricity and Magnetism.

Political Economy (3 hours). Elementary Course (Walker).

Elective Studies (6 hours). See pages 39–42.

TRINITY TERM

Astronomy (3 hours). Mathematical and Descriptive Astronomy. Lectures.

English (2 hours). History of Literature (Shaw, finished). Stedman's Victorian Poets.

Geology (1 hour). Lectures on dynamic Geology.

History (3 hours). Constitutional History of the United States.

Elective Studies (6 hours). See pages 39–42.

SENIOR YEAR

CHRISTMAS TERM

English. Themes.

Ethics (2 hours). Wayland's Moral Science.

Metaphysics (3 hours). Hamilton's Metaphysics (Bowen). Cousin's Psychology (Henry). Theories of Knowledge (Wilson). Lotze's Outlines of Psychology (Ladd).

Elective Studies (10 hours). See pages 39–42.

TRINITY TERM

English. Themes.

Ethics (2 hours). Butler's Sermons and Analogy.

Metaphysics (3 hours). Psychology. Logic. Ontology. History of Philosophy.

Elective Studies (10 hours). See pages 39–42.

II. COURSE IN LETTERS AND SCIENCE

FOR THE DEGREE OF BACHELOR OF SCIENCE

FRESHMAN YEAR

CHRISTMAS TERM

French (3 hours a week). I. *Elementary Course.* Grammar, to the Irregular Verb (Keetels). Les Prosateurs français (Roche), begun. II. *More advanced Course.* Chardenal's French Exercises for advanced pupils. L' Abbé Constantin.

German (3 hours). Grammar, through the Irregular Verb (Cook's Otto). Easy selections in prose and poetry. Dictations.

Latin (4 hours). Cicero : De Senectute and Somnium Scipionis. Livy : selections. Latin Composition.

Mathematics (4 hours). Algebra: Undetermined Coefficients, Series, Determinants, Logarithms, Theory of Equations. Solid Geometry.

TRINITY TERM

English (2 hours). English Words (Johnson). Rhetoric (Hill).

French (3 hours). I. *Elementary Course.* Grammar, finished. Les Prosateurs français, continued. II. *More advanced Course.* Chardenal, continued. About. Sandeau.

German (3 hours). Grammar, finished. Reader of German Literature (Rosenstengel) : Lyric Poems and Ballads. Dictations. Composition.

Latin (3 hours). Catullus. Horace : Odes. Pliny : Epistles (extempore translation). Latin Composition.

Mathematics (4 hours). Solid Geometry. Plane Trigonometry. Surveying, with field practice. Navigation.

SOPHOMORE YEAR

CHRISTMAS TERM
[French and German are alternate studies]

Chemistry (4 hours). General experimental Chemistry : Lectures and Laboratory work (Stoddard's Outlines).

Drawing (2 hours). Projection Drawing; Intersections; Shadows.

English (2 hours). Minto's Manual. History of Literature (Shaw).

French (2 hours). One modern comedy. One story. La Convention (Tableaux de la Révolution française). Brachet's Petite Grammaire. Dictations and Composition.

German (2 hours). Wilhelm Tell. One modern comedy. One short story.

Latin (4 hours). Tacitus: Germania and Agricola. Suetonius. History of the Roman Constitution (Mommsen).

Mathematics (2 hours). Spherical Trigonometry. Navigation. Analytic Geometry.

TRINITY TERM
[French and German are alternate studies]

Chemistry (4 hours). Qualitative Analysis: Lectures and Laboratory work.

Drawing (1 hour). Geometric Drawing; Linear Perspective.

English. Themes.

French (2 hours). Molière: one comedy. Les Poëtes français (Roche). One modern play. Sight reading. Composition and dictations.

German (2 hours). Heine's Ballads. Goethe's Faust, first part. Selected prose. Dictations and Composition.

Latin (4 hours). Horace: Satires. Tibullus, Propertius, Lucan: selections (with extempore translation). Virgil: Eclogues.

Mathematics (2 hours). Analytic Geometry. Lectures.

Physics (2 hours). Experimental Lectures: Mechanics; Physics of Solids, Liquids, and Gases; Sound.

JUNIOR YEAR

CHRISTMAS TERM

English. Themes.

Mathematics (2 hours). Differential and Integral Calculus.

Natural History (2 hours). Elementary Lectures and Laboratory work in Zoölogy and Botany.

Physics (4 hours). Experimental Lectures: Light, Heat, and Electricity and Magnetism.

Physical Laboratory (2 hours). Measurements in Mechanics, Sound, and Light.

Elective Studies (6 hours).

TRINITY TERM

Astronomy (3 hours). Mathematical and Descriptive Astronomy. Lectures.

English (2 hours). History of Literature (Shaw, finished). Stedman's Victorian Poets.

Geology (1 hour). Lectures on dynamic Geology.

Mathematics (2 hours). Differential and Integral Calculus.

Natural History (2 hours). Elementary Lectures and Laboratory work in Zoölogy and Botany.

Physics (2 hours). Laboratory work and Lectures: Measurements in Heat, and in Electricity and Magnetism.

Elective Studies (4 hours).

COURSE IN LETTERS AND SCIENCE

SENIOR YEAR

CHRISTMAS TERM

English. Themes.

Metaphysics (3 hours). Hamilton's Metaphysics (Bowen). Cousin's Psychology (Henry). Theories of Knowledge (Wilson). Lotze's Outlines of Psychology (Ladd).

Political Economy (3 hours). Elementary Course (Walker).

Elective Studies (9 hours).

TRINITY TERM

English. Themes.

History (3 hours). Constitutional History of the United States.

Metaphysics (3 hours). Psychology. Logic. Ontology. History of Philosophy.

Elective Studies (9 hours).

III. COURSE IN SCIENCE

FOR THE DEGREE OF BACHELOR OF SCIENCE

SOPHOMORE YEAR

CHRISTMAS TERM

Chemistry (4 hours a week). General experimental Chemistry: Lectures and Laboratory work (Stoddard's Outlines).

Drawing (2 hours). Projection Drawing; Intersections; Shadows.

English (2 hours). Rhetoric (Genung). History of Literature (Shaw).

French (3 hours). I. *Elementary Course.* Grammar, to the Irregular Verb (Keetels). Les Prosateurs français (Roche), begun. II. *More advanced Course.* Chardenal's French Exercises for advanced pupils. L'Abbé Constantin.

German (3 hours). Grammar, through the Irregular Verb (Cook's Otto). Easy selections in prose and poetry. Dictations.

Mathematics (2 hours). Spherical Trigonometry. Navigation. Analytic Geometry.

TRINITY TERM

Chemistry (4 hours). Qualitative Analysis: Lectures and Laboratory work.

Drawing (1 hour). Geometric Drawing; Linear Perspective.

English. Themes.

French (3 hours). I. *Elementary Course.* Grammar, finished. Les Prosateurs français, continued. II. *More advanced Course.* Chardenal, continued. About. Sandeau.

German (3 hours). Grammar, finished. Reader of German Literature (Rosenstengel): Lyric Poems and Ballads. Dictations. Composition.

Mathematics (3 hours). Analytic Geometry. Surveying, with field-practice. Lectures.

Physics (2 hours). Experimental Lectures: Mechanics; Physics of Solids, Liquids, and Gases ; Sound.

JUNIOR YEAR

CHRISTMAS TERM

English. Themes.

Mathematics (2 hours). Differential and Integral Calculus.

Natural History (2 hours). Elementary lectures and Laboratory work in Zoölogy and Botany.

Physics (4 hours). Experimental Lectures: Light, Heat, and Electricity and Magnetism.

COURSE IN SCIENCE

Physical Laboratory (2 hours). Measurements in Mechanics, Sound, and Light.

Elective Studies (6 hours). See pages 39–42.

TRINITY TERM

Astronomy (3 hours). Mathematical and Descriptive Astronomy. Lectures.

Mathematics (2 hours). Differential and Integral Calculus.

English (2 hours). History of Literature (Shaw), finished. Stedman's Victorian Poets.

Geology (1 hour). Lectures on dynamic Geology.

Natural History (2 hours). Elementary lectures and Laboratory work in Zoölogy and Botany.

Physics (2 hours). Laboratory work and Lectures: Measurements in Heat, and in Electricity and Magnetism.

Elective Studies (4 hours). See pages 39–42.

SENIOR YEAR

CHRISTMAS TERM

English. Themes.

Metaphysics (3 hours). Hamilton's Metaphysics (Bowen). Cousin's Psychology (Henry). Theories of Knowledge (Wilson). Lotze's Outlines of Psychology (Ladd).

Political Economy (3 hours). Elementary Course (Walker).

Elective Studies (9 hours). See pages 39–42.

TRINITY TERM.

English. Themes.

History (3 hours). Constitutional History of the United States.

Metaphysics (3 hours). Psychology. Logic. Ontology. History of Philosophy.

Mineralogy (1 hour). Determinative Mineralogy.

Elective Studies (8 hours). See pages 39–42.

IV. COURSE IN LETTERS

FRESHMAN YEAR

CHRISTMAS TERM

French (3 hours a week). I. *Elementary Course*. Grammar, to the Irregular Verb (Keetels). Les Prosateurs français (Roche), begun. II. *More advanced Course*. Chardenal's French Exercises for advanced pupils. L' Abbé Constantin.

German (3 hours). Grammar, through the Irregular Verb (Cook's Otto). Easy selections in prose and poetry. Dictations.

Latin (4 hours). Cicero : De Senectute and Somnium Scipionis. Livy: selections. Latin Composition.

Mathematics (4 hours). Algebra : Undetermined Coefficients, Series, Determinants, Logarithms, Theory of Equations. Solid Geometry.

TRINITY TERM

English (2 hours). English Words (Johnson). Rhetoric (Hill).

French (3 hours). I. *Elementary Course*. Grammar, finished. Les Prosateurs français, continued. II. *More advanced Course*. Chardenal, continued. About. Sandeau.

German (3 hours). Grammar, finished. Reader of German Literature (Rosenstengel) : Lyric Poems and Ballads. Dictations. Composition.

Latin (3 hours). Catullus. Horace : Odes. Pliny : Epistles (extempore translation). Latin Composition.

Mathematics (4 hours). Solid Geometry. Plane Trigonometry. Surveying, with field-practice. Navigation.

SOPHOMORE YEAR

CHRISTMAS TERM

Chemistry (2 hours). Lectures in General Chemistry (Roscoe's Elementary Chemistry ; Stoddard's Outlines).

English (2 hours). Minto's Manual. History of Literature (Shaw).

French (2 hours). One modern comedy. One story. La Convention (Tableaux de la Révolution française). Brachet's Petite Grammaire. Dictations and Compositions.

German (2 hours). Wilhelm Tell. One modern comedy. One short story.

Latin (4 hours). Tacitus : Germania and Agricola. Suetonius. History of the Roman Constitution (Mommsen).

Mathematics (2 hours). Spherical Trigonometry. Navigation. Analytic Geometry.

COURSE IN LETTERS

English (2 hours). History of Literature (Shaw, finished). Stedman's Victorian Poets.

French (2 hours). Molière : one comedy. Les Poëtes français (Roche). One modern play. Sight reading. Composition and Dictations.

German (2 hours). Heine's Ballads. Goethe's Faust, first part. Selected prose. Dictations and Composition.

Latin (4 hours). Horace : Satires. Tibullus, Propertius, Lucan : selections (with extempore translation). Virgil : Eclogues.

Mathematics (2 hours). Analytic Geometry. Lectures.

Physics (2 hours). Experimental Lectures : Mechanics ; Physics of Solids, Liquids, and Gases ; Sound.

JUNIOR YEAR

English. Themes.

Physics (4 hours). Experimental Lectures : Light, Heat, and Electricity and Magnetism.

Political Economy (3 hours). Elementary Course (Walker).

Elective Studies (8 hours). See pages 39–42.

English. Themes.

Astronomy (3 hours). Mathematical and Descriptive Astronomy. Lectures.

Geology (1 hour). Lectures on dynamic Geology.

History (3 hours). Constitutional History of the United States.

Elective Studies (8 hours). See pages 39–42.

SENIOR YEAR

English. Themes.

Ethics (2 hours). Wayland's Moral Science.

Metaphysics (3 hours). Hamilton's Metaphysics (Bowen). Cousin's Psychology (Henry). Theories of Knowledge (Wilson). Lotze's Outlines of Psychology (Ladd).

Elective Studies (10 hours). See pages 39–42.

English. Themes.

Ethics (2 hours). Butler's Sermons and Analogy.

Metaphysics (3 hours). Psychology. Logic. Ontology. History of Philosophy.

Elective Studies (10 hours). See pages 39–42.

ELECTIVE STUDIES

Note. — The courses of Elective Studies are open to all Seniors and Juniors, unless otherwise specified.

I. MENTAL SCIENCE

1 *Anthropology.* Outline Study of Man (Hopkins). Tylor's Anthropology. Lectures. (Christmas term, 2 hours.)

2 *Metaphysics.* Intuitions of the Mind (McCosh). (Trinity term, Seniors, 2 hours.)

II. ETHICS

3 Haven's Moral Philosophy. (Christmas term, 2 hours.)

4 Whewell's Elements of Morality. (Christmas term, Seniors, 2 hours.)

5 Whewell's Elements of Morality. Whewell's History of Moral Philosophy. (Trinity term, Seniors, 2 hours.)

III. LATIN

6 Cicero: Epistles. Life of Cicero. Early Latin. (Christmas term, Seniors, 2 hours).

7 Lucretius. Ovid: Fasti (with extempore translation). (Trinity term, Seniors, 2 hours.)

8 *a* Cicero: Brutus. Seneca: Moral Essays. Froude's Life of Caesar. (Christmas term 1891, 2 hours.)

8 *b* Tacitus: Selections from the Annals and the Histories. History of the early Empire. (Christmas term 1892, 2 hours.)

9 *a* Juvenal and Persius: Satires. Quintilian (extempore translation). (Trinity term 1892, 2 hours.)

9 *b* Horace: Epistles. Quintilian (extempore translation). (Trinity term 1893, 2 hours.)

IV. GREEK

10 *a* Herodotus: Egyptian History and Antiquities. Other parts of Herodotus, read at sight. History of Literature. (Christmas term 1891, 2 hours).

10 *b* Homer: Last half of the Odyssey. Study of the Homeric Age and Homeric Criticism. (Christmas term 1892, 2 hours.)

11 *a* Sophocles: Oedipus Tyrannus. Aeschylus: Prometheus. Selections from Lyric Poets, read at sight. (Trinity term 1892, 2 hours.)

11 *b* Plato: Phaedo. History of Greek Philosophy. (Trinity term 1893, 2 hours.)

12 Exegesis of the Acts of the Apostles. (Throughout the year, Seniors, 2 hours.)

V. MATHEMATICS AND ASTRONOMY

13 Differential and Integral Calculus. (Christmas term, 2 hours.)

14 Differential and Integral Calculus. (Trinity term, 2 hours.)

15 Integral Calculus. Differential Equations. (Christmas term, Seniors, 2 hours.)

ELECTIVE STUDIES

32 *b* Les Poëtes français (XIX. Century, Roche). Tartuffe (Molière). French Prosody (de Banville). Sight reading. (Christmas term 1892, 2 hours.)

33 *a* Les Précieuses Ridicules (Molière). Athalie (Racine). Sight reading. Composition and Dictation. (Trinity term 1892, 2 hours.)

33 *b* Prose selections, to Pascal, in Les Prosateurs français (Roche). Chrestomathie de l'ancien français (Bartsch). (Trinity term 1893, 2 hours.)

X. PHYSICS

34 Laboratory work: Measurements in Mechanics, Sound, and Light. (Either term, two hours ; open to those who have had the experimental lectures of one term.)

35 Laboratory work and Lectures: Measurements in Heat and in Electricity and Magnetism. (Either term, 2 hours; open to those who have taken Course 34.)

36 Laboratory work: Continuation of the work of Courses 34 and 35. (Throughout the year, 2, 3, or 4 hours; open to those who have taken Course 35.)

37 Lectures: Light or Thermodynamics. (Christmas term, 2 hours; open to those who have taken the Calculus and Course 35.)

38 Lectures: Electricity and Magnetism. (Trinity term, 2 hours; open to those who have taken the Calculus and Course 35.)

XI. CHEMISTRY

39 General experimental Chemistry : Lectures and Laboratory work. (Christmas term, 4 hours.)

40 Qualitative Analysis. (Trinity term, 4 hours; or throughout the year, 2 hours; open to those who have taken Course 39 or the prescribed lectures in General Chemistry)

41 Quantitative Analysis: Volumetric. (Either term, 2, 3, or 4 hours; open to those who have taken Course 40.)

42 Quantitative Analysis: Gravimetric. (Either term, 2, 3, or 4 hours; open to those who have taken Course 41.)

43 Quantitative Analysis, continued. (Throughout the year, 2, 3, or 4 hours ; open to those who have taken Course 42.)

44 Chemistry of the Carbon Compounds: their preparation, analysis, etc. (Either term, 2, 3, or 4 hours; open to those who have taken Course 42.)

XII. HEBREW

45 Introductory Hebrew Method and Elements of Hebrew (Harper). (Christmas term, 2 hours.)

46 Introductory Hebrew Method and Elements of Hebrew. Easy narrative Hebrew and selected Psalms. (Trinity term, 2 hours; open to those who have taken Course 45.)

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ELECTIVE STUDIES

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47 Hebrew Syntax (Harper, Driver). Selections from the Historical Books. (Christmas term, Seniors, 2 hours; open to those who have taken Course 46.)

48 Hebrew Syntax (Harper, Driver). Selections from the Psalms and the Prophets. (Trinity term, Seniors, 2 hours; open to those who have taken Course 47.)

XIII. SANSKRIT

49 Sounds and Inflections (Whitney's Grammar). Elementary translation and Composition. Perry's Primer, through Lesson XII., and then alternate lessons in Perry and in Lanman's Sanskrit Reader (Nala). (Christmas term, 2 hours.)

50 Whitney, Perry, Lanman. Hitopadeça and Kathāsaritsāgara. (Trinity term, 2 hours; open to those who have taken Course 49.)

51 Manu. Rigveda. (Christmas term, Seniors, 2 hours; open to those who have taken Course 50.)

52 Rigveda. Brāhmaṇas. Sūtras. (Trinity term, Seniors, 2 hours ; open to those who have taken Course 51.)

XIV. BIOLOGY

53 Elementary lectures and Laboratory work in Zoology and Botany. (Throughout the year, 2 hours.)

54 Embryology and Physiology: Lectures and microscopic Laboratory work. (Throughout the year, 2 hours ; open to those who have taken Course 53.)

XV. DRAWING

55 Projection Drawing; Intersections; Shadows. (Christmas term, 2 hours.)

56 Geometric Drawing; Linear Perspective. (Trinity term, 1 hour; open to those who have taken Course 57.)

57 Advanced Perspective; Descriptive Geometry, begun. (Christmas term, 2 hours; open to those who have taken Course 58.)

58 Descriptive Geometry. (Trinity term, 2 hours; open to those who have taken Course 59.)

XVI. MINERALOGY

59 Determinative Mineralogy. (Trinity term, 1 hour ; open to those who have taken Course 40.)

XVII. ELOCUTION

60 (Trinity term, 2 hours.)

LECTURES

Besides the lectures given by the Professors in the several departments, the following courses of lectures are delivered each year:

By Bishop Williams: to the Seniors, on Ancient History and the History of the Holy Roman Empire; to the Juniors, on the History of England and of the United States

By Dr. Wainwright: to the Seniors, on Anatomy and Physiology

By Mr. Hamersley: to the Seniors, on the Constitution of the United States

By Dr. Scudder: to the Freshmen, on Hygiene

By Dr. Warner : on English Literature

VOLUNTARY STUDIES

In addition to the regular courses of instruction, arrangements are made for the following courses of special study. The names of undergraduates pursuing voluntary studies in any term are publicly announced at the end of the term.

Greek
> SENIORS AND JUNIORS: Aristotle
> SOPHOMORES: Xenophon's Hellenica
> FRESHMEN: Homer

History and Political Science
> SENIORS: History of the Origins of Modern Europe
> SENIORS: History of Socialism
> JUNIORS: History of the Renaissance

Latin
> SENIORS: Patristic Latin
> JUNIORS: Virgil; Martial
> SOPHOMORES: Livy; Plautus
> FRESHMEN: Cicero de Amicitia; Terence

Mathematics
> SENIORS AND JUNIORS: Differential and Integral Calculus
> SOPHOMORES; Analytic Geometry; Quaternions
> FRESHMEN: Higher Algebra; Geometrical Exercises

Metaphysics
> SENIORS: Berkeley's Principles of Knowledge (Krauth); McCosh on the Divine Government; Porter's Human Intellect; History of Philosophy

Modern Languages
   Sophomores: French; Reading at sight and Conversation
   Juniors: German; Reading at sight and Conversation
   Seniors and Juniors: Italian; Grandgent's Grammar; Thouar's
   Letture Graduali (iii.)
   Spanish: Knapp's Grammar; Libro de lectura, No. 3 (Mantilla)

RELIGIOUS SERVICES

The hours of daily Prayers in the College Chapel are 8:30 o'clock
A.M. and 5:45 P.M. The students are required to attend one service
each week-day.

On Sundays the services are at 10:30 A.M. (with Sermon) and
at 5 P.M. The students attend both Morning and Evening Prayer
in the Chapel, unless excused to attend their own places of wor-
ship in the city. The Holy Communion is administered every
Sunday at a voluntary service at 8:10 o'clock, except on the first
Sunday of the month, when the celebration is after Morning
Prayer.

TERMS AND VACATIONS

The academic year is divided into two equal parts, called Christ-
mas Term and Trinity Term. Christmas Term begins about the
middle of September and closes about the first of February.
Trinity Term begins at the close of the former term and extends
to Commencement-day. In Christmas Term there is a recess of
two or three weeks at Christmas, and in Trinity Term a recess of
ten days in the spring.

The Sixty-sixth Commencement falls on Thursday, the 23d day
of June, 1892.

MATRICULATION

Matriculation consists in signing, in the presence of the Presi-
dent and Professors, the following promise:

"I promise to observe the Statutes of Trinity College; to dis-
charge faithfully all scholastic duties imposed upon me; and to

maintain and defend all the rights, privileges, and immunities of the College, according to my station and degree in the same."

All students are matriculated immediately on their admission to College.

DISCIPLINE

TITLE XIII. OF THE COLLEGE STATUTES

SECTION 1. The Faculty shall keep a record of the progress in study, punctuality in attendance, and the general conduct of students.

SEC. 2. The students shall be ranked in the several classes according to their progress in study. At the close of each term an account of the scholarship of each student shall be transmitted to his parent or guardian.

SEC. 3. The punishments of the College shall be demerit marks, admonition, suspension, dismission, and expulsion, together with fines and extra work.

SEC. 4. All offences against the laws of the land; all riotous or noisy behavior in or about the College premises or elsewhere : all intoxication, or bringing into the College building or on the College grounds, without permission, any intoxicating liquors; all profaneness, indecency, or carrying weapons; all acts of profligacy or disorder; all violations of the College laws; all attempts to resist the Faculty, or any member thereof, in the discharge of duty, or refusals to attend when sent for by an officer of the College, shall render the offender liable to punishment.

SEC. 5. Any student found guilty of interfering with the rights and lawful privileges of any other student, by hazing or otherwise, or who shall aid or abet in such interference, or who shall incite or provoke thereto, shall be punished by suspension, or by dismission or expulsion. Any student suspended for such cause may be required, upon his return to College, to join the next lower class.

SEC. 6. When a student is suspended or dismissed, he is required to leave the College and the city of Hartford at such time as the President may designate; and a failure so to do shall be considered a ground of additional censure.

EXAMINATIONS

Examinations are held at the close of each term upon all the studies of that term. These examinations are partly oral and partly written.

No student is admitted to examination in any department unless his average mark for the term in that department is at least five on a scale of ten.

When a student is excluded from examination, or fails to pass any examination, he is conditioned, and is required to pass a special examination at a time appointed by the Faculty.

No student is advanced to the studies of any year until he has passed the examinations of the preceding year.

HONORS

If a student attains in any department throughout a College year an average of nine on a scale of ten in the marks for his recitations, and also an average of nine in the marks for his examinations, it is publicly announced that he has the honor-grade in that department for the year. In case, however, he pursues the studies of a department in any year for one term only, he may obtain the honor-grade for that term on the same conditions.

Honors at graduation are conferred in the following studies or groups of studies: (1) Astronomy, (2) Chemistry, (3) English, (4) Ethics and Metaphysics, (5) French, (6) French and German, (7) German, (8) Greek, (9) Hebrew, (10) History and Politics, (11) Latin, (12) Mathematics, (13) Physics, (14) Political Economy, (15) Sanskrit. In order to be graduated *cum honore* in any of these branches, a student must have attained the honor-grade in all the courses required for honors; but if more than the required number of courses are taken in any study, the honor-grade must be maintained.

The courses required for honors are as follows: In group 1, three courses; in groups 2 and 13, courses equivalent to four hours a week for two years; in groups 3, 4, 5, 6, 7, 8, 11, and 12, six courses; in groups 9 and 15, four courses; in group 10, all prescribed work and four two-hour courses or their equivalents; in group 14, all prescribed work and all elective work. If the elective course in European History is taken for honors, it must be carried

through the year. The elective course in the Greek Testament is not counted for honors. The prescribed studies of each term in any department are reckoned as one course.

A list of students attaining the honor-grade in any College year is published in the Catalogue of the following year. The names of the members of each graduating class are printed in the next annual Catalogue in the following order: first, the names of those who have been graduated *cum honore*, with a statement of the branches of study in which they have attained honors; then, the names of the others alphabetically.

A student attaining the honor-grade in all his studies throughout the College course is graduated with the title of OPTIMUS.

STANDING AND APPOINTMENTS

The standing of a student is reckoned from the beginning of Freshman year, and is determined by his scholarship, as shown in recitations and examinations.

At the close of each term a report of the scholarship, attendance, and conduct of each student is transmitted to his parent or guardian.

The aggregate standing attained by each member of a class is published at the end of Junior year and at the end of Senior year. When a student has entered College after the beginning of Freshman year and before the beginning of the second term of Sophomore year, his standing for the term or terms during which he was absent is considered to have the same ratio to the maximum as that which he gains while in residence up to the time of the first publication of his aggregate standing, and, having been once published, is not recomputed. The standing of a student entering later in the course is computed in the same manner, with a deduction of five per cent.

Each student, the sum of whose marks for the entire course is to the maximum attainable in the ratio of at least seven and three-fourths to ten, receives an appointment for Commencement; and the names of students receiving appointments are printed on the programme in the order of their standing, followed by the names of the rest of the class in alphabetical order.

The first three appointments to speak at Commencement are given according to the aggregate of marks in the entire College

course. Not less than two nor more than four other speakers are selected, after competition before a special committee of the Faculty; those members of the class being eligible who, besides receiving appointments for Commencement, have attained a mark of seven and three-fourths on the Theme-writing of the course and a mark of nine on the Graduating Oration.

No appointment is ordinarily assigned to any student who has entered College at or after the beginning of Senior year.

LIBRARY

The Library is open for three hours on each week-day; and the students are allowed free access to the shelves. It contains a valuable collection of more than 33,000 volumes in the various departments of literature, besides 3,200 duplicates and 21,000 unbound pamphlets. During the last academic year there were added to the library by purchase 447 volumes, by exchange 27 volumes, and by gift, not counting duplicates, 329 volumes; the net increase of the Library for the year was 803 volumes. Besides the books consulted in the Library, over 1,400 volumes were taken out by the students in the course of the year.

The funds for the increase of the Library are as follows:

The Burgess Fund, founded in 1843 by a gift of $500 from the Rev. George Burgess of Hartford, afterwards Bishop of Maine.

The Elton Fund, founded in 1854 by a gift of $5,000 from John P. Elton, Esq., of Waterbury.

The Sheffield Fund, founded in 1856 by a gift of $5,000 from Joseph E. Sheffield, Esq., of New Haven.

The Peters Fund, founded in 1858 by a legacy of $2,000 from the Hon. John S. Peters, LL.D., of Hebron.

The Alumni Fund, founded in 1859 by subscriptions from the Alumni, and now amounting to about $3,300.

The Athenæum Fund, founded in 1870 by a gift of $300 from the Athenæum Literary Society at the time of its dissolution.

The Northam Fund, founded in 1887 by a legacy of $12,000 from Charles H. Northam, Esq., of Hartford.

The College Reading-Room, temporarily placed in the old gymnasium, is supplied with newspapers and periodicals published in this country and in England.

The Watkinson Library, a valuable collection of books for reference, containing more than 40,000 volumes, is also accessible to the students.

CABINET

The College possesses valuable collections in Botany, Zoology, Geology, and Mineralogy, which are displayed in a hall specially arranged for that purpose. During the past year, several new cases have been filled with specimens for examination and study.

Instruction in Geology is aided by a complete suite of Ward's casts of celebrated fossils, and by a series of carefully selected actual fossils, representing characteristic forms in each geological period from the earliest Silurian to the Tertiary. Students are also referred to a suite of typical rocks of the State of New York, a series of rocks arranged both lithologically and stratigraphically, and a number of geological and relief maps.

Instruction in Natural History is aided by a valuable collection of mounted skeletons of modern animals, by Blaschka's glass models of invertebrata, and by a collection of typical specimens of invertebrata in alcohol.

The Cabinet is open every week-day.

OBSERVATORY

The Observatory, erected on the College Campus in 1883, is furnished with sufficient apparatus for elementary astronomical work. The transit instrument and the telescope, which is a six-inch Fitz refractor equatorially mounted, were presented by Dr. and Miss St. John of Hartford, from the estate of their father, the late Professor St. John of New Canaan, Conn., and in his memory. The sidereal clock is of the best modern manufacture. There are also in the observatory a smaller refractor and a portable transit.

JARVIS HALL OF SCIENCE

The Jarvis Hall of Science is devoted to the departments of Physics and Chemistry. For the department of Physics there are, besides the lecture-room and general laboratory, several rooms prepared for special work in light and electricity, together with a work-shop and dynamo and engine-room. The physical laboratory is thoroughly equipped for courses in practical work in the various branches of physics. Special attention has, however, been given, in the arrangement and equipment of the laboratory, to making

the facilities for work in electricity as complete as possible ; and the department is furnished with the necessary apparatus for a thorough course in practical electrical measurements, and has a dynamo and engine for its special use.

The Chemical department is provided with a lecture-room and all necessary laboratories. Its equipment is such as is required for good work in general experimental chemistry and in qualitative and quantitative analysis. In the course of the year an assay plant will be added.

EXPENSES

The amount of the Treasurer's bills each year is as follows :

Tuition	. . . . . .	$100.00
Room-rent for each person	. from $100.00 to	35.00
Incidentals	. . . .	30.00
Heat	. . . . .	12.50
Total	. . . from $242.50 to	$177.50

Board can be obtained at $3.50 a week and upward, making the cost for thirty-seven weeks at the lowest rate, $129.50. To this must be added laundry charges, together with the expense of books, furniture, clothing, travel, and society-fees, which varies according to the taste and habits of the student, and of which no estimate can be given.

For the use of the Chemical Laboratory a fixed charge is made of $10 each term ; and students are further required to pay for breakages, to cover which charge a deposit of $5 must be made with the Treasurer of the College. For the use of the Physical Laboratory a fixed charge is made of $5 each term ; and students are further charged for all apparatus broken or injured while in their care.

SCHOLARSHIPS

The amount of the Treasurer's bills can be considerably reduced to holders of scholarships. The income of these scholarships, which are of different values, is placed to the credit of students of limited means, and serves to meet the charges for tuition and room-rent in whole or in part. A list of the scholarships is given at page 66 of this Catalogue. Other funds are sometimes placed

at the disposal of the President for the assistance of students in special emergencies.

For holders of those scholarships which remit the entire charges for tuition and room-rent, the Treasurer's bills are reduced to $42.50 ; and the necessary expenses of such students, including board and other personal items, will not exceed $250 or $300 a year.

Application for any scholarship should be made in writing to the President by the parent or guardian, at or before the beginning of the term in which the student intends to enter.

Students can be provided to some extent with text-books by means of a free lending library established for that purpose, which is under the charge of the Professor of Greek. This library has been endowed with $500 from the legacy of the late Rev. J. G. Jacocks of the Class of 1847.

ROOMS

Most of the rooms in the College buildings are so arranged as to provide that two students rooming together have a common study and separate bedrooms. All the rooms are heated by steam, and ventilation is secured by open fire-places. Water is carried to every floor in each section.

All students are required to reside in the College buildings unless they have special permission from the President to room elsewhere.

The College bills are due at the beginning of each term, and should be settled at the Treasurer's office, No. 39 Pearl Street, on the arrival of the student ; if not so paid, an additional charge of five per cent. is made for each term's delay. All checks and drafts are to be made payable to the order of Charles E. Graves, Treasurer.

By vote of the Trustees, the Treasurer, with the approval of the President, is authorized to exclude from recitations students who neglect to pay their College bills when due.

Students admitted to advanced classes, except those from other Colleges, are required to pay $12 for each term of their advancement. This charge is sometimes remitted.

No student can receive his degree or an honorable dismissal until the Treasurer certifies that all his College bills are paid and that, so far as the Treasurer knows, there are no lawful claims against him for board, washing, or other necessary expenses.

GYMNASIUM

The Gymnasium and the field of the Athletic Association provide opportunities for physical exercise, which are offered to all the students free of charge in consequence of a partial endowment of the gymnasium by a gift of $10,000 from Robert H. Coleman, Esq., of the Class of 1877. The main hall of the gymnasium building is amply supplied with the best modern apparatus, in the use of which the students are trained by a special instructor. A padded running-track is laid on the floor of a gallery surrounding the main hall. In the basement are bowling alleys, lockers, shower-baths, etc. The Freshmen are required to attend two hours in each week for gymnasium practice. Class instruction is also given throughout the year to such other students as desire it. The field for out-of-door sports has been recently enclosed, re-graded, and put in excellent condition, and a structure affording accommodation for three hundred spectators has been erected, at a total expense of about $3,400, of which $1,000 was appropriated by the Trustees and the remainder contributed by alumni and other friends of the College.

PRIZES

TUTTLE PRIZE

The Tuttle Prize of thirty dollars was founded in 1859 by the late Miles A. Tuttle, Esq., of Hartford. It will be awarded to that member of the Senior Class who shall write the best essay on "*Sir William Hamilton's Contributions to Philosophy.*" The essays must be submitted to the President on or before the 6th of May, 1892. No award will be made except for distinguished merit.

TUTTLE PRIZE ESSAYISTS SINCE 1876

1877	"The Roman Empire as Foreshadowed in Prophecy"	
		John Henry King Burgwin
1878	"The Philosophy of Waste in Nature"	[Not awarded]
1879	"The Causes and the Results of the Crimean War"	
		[Not awarded]
1880	"The Doctrine of Evolution, as tested by the Principles of the Inductive Philosophy"	[Not awarded]
1881	"The Development of Civil Liberty in the Anglo-Saxon Race"	
		Alfred Poole Grint
1882	"The Roman Tribunate"	[Not awarded]
1883	"The Respective Provinces of Thought and Imagination"	
		Edward Stevens Beach
1884	"The Future of Astronomy"	Charles McLean Andrews
1885	"The Relation of the People to the Land"	[Not awarded]
1886	"The Connection of Philosophy with the French Revolution"	
		Hermann Lilienthal
1887	"The Influence of Italian Literature on the Elizabethan Drama"	
		[Not awarded]
1888	"The Influence of Mechanical Inventions upon Industrial Conditions"	
		Louis LeGrand Benedict
1889	"The Philosophy of Spinoza"	Prosser Hall Frye
1890	"The Athenian Democracy"	Gilbert Payson Coleman
1891	"The Ethical Import of Browning's Poetry"	[Not awarded]

CHEMICAL PRIZES

Established in 1858

A Prize of thirty dollars will be awarded to that member of the Junior Class who shall write the best thesis on "*The Treatment of Sewage*"; and a second prize of twenty dollars will be awarded to that member of the class who shall write the second-

best thesis on the same subject. The theses must be submitted to the Professor of Chemistry on or before the 4th of May, 1892.

CHEMICAL PRIZE ESSAYISTS SINCE 1876

1877 "Potassium and its Compounds." STEPHEN GERMAIN HEWITT
    Second Prize: EDWARD MANSFIELD SCUDDER
1878 "Combustion." HORACE BROWN SCOTT
    Second Prize: GEORGE SUMNER CHIPMAN
1879 "Sulphur." SYDNEY GEORGE FISHER
    Second Prize: ALFRED HARDING
1880 "The Atomic Constitution of Matter." ROBERT BARCLAY
    Second Prize: WILLIAM RIDGLEY LEAKEN
1881 "Explosives." GEORGE SUMNER HUNTINGTON
    Second Prize: FRANK EBENEZER MILLER
1882 "Electrolysis." WILLIAM WALTER WEBB
    Second Prize: CHARLES ERLING HOTCHKISS
1883 "Bleaching Agents." WILLIAM SEYMOUR SHORT
    Second Prize: ROBERT THEODORE REINEMAN
1884 "Ozone." HARWOOD HUNTINGTON
    Second Prize: WILLIAM STANLEY BARROWS
1885 "The Chemical Effects of Light." FREDERICK HUBBARD WOLCOTT
    Second Prize: GEORGE EMERSON BEERS
1886 "Common Salt." FREDERICK FITZGERALD
    Second Prize: FRANCIS BANKS WHITCOME
1887 "Fluorine." CHARLES EDWARD PURDY
    Second Prize: LOUIS LeGRAND BENEDICT
1888 "Aluminium." ANDREW ELLICOTT DOUGLASS
    Second Prize: PROSSER HALL FRYE
1889 "Disinfectants or Germicides." JOHN WILLIAMS
    Second Prize: GILBERT PAYSON COLEMAN
1890 "Drinking Water." HARRY HOWARD
    Second Prize: FRANK MARSHALL BARBER
1891 "Beet Sugar." ALBERT CRABTREE
    Second Prize: STEPHEN HOWARD ALLING

PRIZE VERSION DECLAMATIONS

A PRIZE, first offered in 1863, will be awarded on the following conditions :

There must be six competitors; two from the Senior Class, two from the Juniors, and two from the Sophomores. The two members of each class whose rank is highest in the studies of the preceding year in the department of English will be appointed competitors. Passages from Latin authors, distributed by lot and then translated into English and submitted to the Professor of Latin and the Professor of English, will be pronounced in public on the 19th of May, 1892, in the presence of a committee of award

on the delivery. The merits of the version as a translation and as an English composition, together with the merits of the delivery as a declamation, will have equal weight in determining the award of the prize.

The prize-man of the year, if he be still a member of the College, will receive an appointment to pronounce an original version at the Prize Declamations of the following year, without being a candidate for the prize.

PRIZE-MEN SINCE 1876

1877 { Charles Carroll Edmunds, Jr.	1884 Frank Wood Richardson
{ Edward Mansfield Scudder	1885 William Denison McCrackan
1878 John Dows Hills	1886 Louis LeGrand Benedict
1879 Alfred Harding	1887 Willard Scudder
1880 Harry Campbell Black	1888 Reuel Crompton Tuttle
1881 Charles Waring Jones	1889 Francis Goodwin Williams
1882 John Henry McCrackan	1890 John Williams
1883 Hiram Benjamin Loomis	1891 William Eugene Conklin

ORATORICAL PRIZES

THE STUDENTS, in continuation of prizes first offered in 1870 by the Athenæum and Parthenon Literary Societies, offer two Medals as prizes for excellence in writing and pronouncing English Orations. Two members of each of the three upper classes, selected after competition, will deliver their orations in public on the 22d of February, 1892, in the presence of a committee of award. A gold medal will be awarded as the first prize, and a silver medal as the second prize.

PRIZE-MEN SINCE 1876

	Gold Medal	Silver Medal
1877	William Viall Chapin	Edward Mansfield Scudder
1878	David Law Fleming	Robert Lefavour Winkley
1879	David Buchanan Willson	Melville Knox Bailey
1880	Thomas Morduit Nelson George	Harry Campbell Black
1881	Edward Stevens Beach	Alfred Poole Grint
1882	Richard Eugene Burton	Frank Wood Richardson
1883	[Not awarded]	[Not awarded]
1884	Charles McLean Andrews	Edward Sims Van Zile
1885	William Denison McCrackan	William Agur Beardsley
1886	Louis LeGrand Benedict	Henry Reading Heydecker
1887	George Safford Waters	Godfrey Malbone Brinley
1888	Frederick Ferdinand Kramer	Edward McPherson McCook
1889	Lucian Waterman Rogers	Theodore Payne Thurston
1890	George Newell Hamlin	Edward McPherson McCook
1891	Isaac Wayne Hughes	John Fields Plumb

ENGLISH LITERATURE PRIZE

A Prize of sixty-five dollars, the gift of Dr. Charles D. Scudder and Edward M. Scudder, Esq., of New York City, is offered to the Senior Class for the best examination in English Literature from the earliest times to the present day, with special reference, for the Class of 1892, to *The Life and Writings of Keats.* There must be at least five competitors. The examination, which will be held on the 3d of May, 1892, will be in writing, and the questions proposed will not be confined to any text-book. The Professor of English, the Professor of Latin, and a third person, not a member of the Faculty, to be selected by them, will be a committee to hold the examination and award the prizes.

The special subjects of examination for the following classes will be :

For the Class of 1893 *The Lyric Writings of Tennyson*
For the Class of 1894 *The Dramatic Writings of Browning*
For the Class of 1895 *The Poetry of William Morris*
For the Class of 1896 *The Poetry of Rossetti*

SPECIAL SUBJECTS	PRIZE-MEN
1878 *The Writings of the Fourteenth Century*	George Sumner Chipman
1879 *The Era of the Reformation*	[Not awarded]
1880 *The Poetry of the Elizabethan Era*	William Logan Crosby
1881 *The Prose of the Reign of Queen Anne*	William Stanley Emery
1882 *The Poetry of the Nineteenth Century*	William Walter Webb
1883 *The Theological Writings of the Seventeenth Century*	[Not awarded]
1884 *The Poetry of the Eighteenth Century*	Edward Sims Van Zile
1885 *The Historical and Philosophical Writings of the Eighteenth Century*	[Not awarded]
1886 *The Historical Writings of the Nineteenth Century*	[Not awarded]
1887 *American Political Writings*	[Not awarded]
1888 *American Poetry*	[Not awarded]
1889 *American Historical Writings*	[Not awarded]
1890 *Dramatic Literature before Shakspeare*	[Not awarded]
1891 *The Poetry of the Seventeenth Century*	[Not awarded]

LATIN PRIZE

A Prize of twenty-five dollars, first offered in 1870, will be awarded to that member of the Sophomore Class who shall sustain the best examination in Cruttwell's *History of Roman Literature.* The examination will be held on the 7th of May, 1892.

PRIZE-MEN SINCE 1876

Juniors		*Sophomores*	
1877	George Sumner Chipman	1885	Francis Banks Whitcome
1878	Lorin Webster	1886	John William Roy Crawford
1879	Bern Budd Gallaudet	1887	Francis Goodwin Williams
1880	Charles Wright Freeland	1888	Robert Hamilton Hutchins
1881	Charles Anderson Hamilton	1889	Harry Howard
1882	[Not awarded]	1890	[Not awarded]
1883	Henry Ritchie Neely	1891	William Porter Niles
1884	Robert Thorne		
1885	Paul Birdsall		

MATHEMATICAL PRIZE

A PRIZE OF TWENTY DOLLARS, first offered in 1871, will be awarded to that member of the Freshman Class who shall sustain the best examination in the *Theory of Algebraic Equations*. The examination will be held on the 14th of May, 1892.

PRIZE-MEN SINCE 1876

Algebra Prize		*Geometry Prize*
1877	Bern Budd Gallaudet	Thomas Morduit Nelson George
1878	Richard Allyn White	Charles Wright Freeland
1879	Arthur Beach Linsley	William Walter Webb
1880	Clarence Morgan Kurtz	Clarence Morgan Kurtz
1881	George Dudley Buck	William Stanley Barrows
1882	Hiram Benjamin Loomis	Hiram Benjamin Loomis
1883	Hermann Lilienthal	George Emerson Beers
1884		George Washington Rodgers
1885		Henry Marvin Belden
1886		Andrew Ellicott Douglass
1887		[Not awarded]
1888	Frank Marshall Barber	
1889	[Not awarded]	
1890	William Eugene Conklin	
1891	James Birckhead Birckhead	

GOODWIN GREEK PRIZES

TWO PRIZES, one of thirty-five dollars and one of twenty-five dollars, founded in 1884 by the late Mrs. James Goodwin of Hartford, are offered to the Freshman Class for the best examination upon Books xix.–xxii. of Homer's *Iliad*. The examination will be held in May, and no prize will be awarded unless the work offered is excellent.

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PRIZE-MEN

First Prize	Second Prize
1885 Henry Barnard Brownell	John William Roy Crawford
1886 [Not awarded]	[Not awarded]
1887 Gilbert Payson Coleman	Robert Hamilton Hutchins
1888 Harry Howard	Arthur Collins Graves
1889 [Not awarded]	Ernest Randall
1890 William Eugene Conklin	William Porter Niles
1891 [Not awarded]	[Not awarded]

PRIZES IN HISTORY AND POLITICAL SCIENCE

TWO PRIZES, one of thirty-five dollars and one of twenty-five dollars, endowed in 1890, are offered to the Seniors and Juniors for the best examination upon Ely's *Introduction to Political Economy.* The examination will be held on the 7th of May, 1892, and no prize will be awarded unless the work offered is excellent.

PRIZE-MEN

History	Political Science
1886 James Goodwin	Hermann Lilienthal
1887 Frederick Everest Haight	Edward Cullen Niles
1888 Henry Marvin Belden	Lewis Henry Paddock
1889 Joseph William Fell	
1891	{ *1st Prize* Harry Howard { *2d Prize* David Van Schaack

HOLLAND PRIZE SCHOLARSHIPS

THE HOLLAND SCHOLARSHIPS, three in number, each having the probable annual value of $600, were endowed in 1890 by the legacy of Mrs. Frances J. Holland, of Hartford, in memory of her husband, the late Thomas Holland, Esq. It is provided in Mrs. Holland's will that the Faculty of the College shall each year designate the students who shall hold these Scholarships, under such rules and regulations as they shall from time to time prescribe.

The Scholarships will be severally awarded as Prizes for the encouragement of work (1) in Philosophy, (2) in Philological Studies, and (3) in Mathematics and the Physical Sciences. The award will be made at the close of Senior year, to members of

the graduating class, candidates for a degree, who have attained
an average of at least eight on a scale of ten in the aggregate
standing for the entire course, under the following conditions :

(1) The award of the Scholarship in Philosophy will be determined
by the aggregate of marks attained during Junior and Senior years in
Ethics, Metaphysics, History, and Political Science, and by a special
examination on assigned work, in 1892 in Ethics and Metaphysics, and
in 1893 in History and Political Science ; the two elements to have equal
weight in determining the award.

(2) The award of the Scholarship in Philological Studies will be
determined by the aggregate of marks attained during Junior and Senior
years in all philological and linguistic studies,·and by a special examina-
tion on assigned work, in 1892 in English and Modern Languages, and
in 1893 in Greek and Latin ; the two elements to have equal weight in
determining the award.

(3) The award of the Scholarship in Mathematics and the Physical
Sciences will be determined by the aggregate of marks attained dur-
ing Junior and Senior years in Biology, Chemistry, Mathematics, and
Physics, and by a special examination on assigned work, in 1892 in
Biology and Chemistry, and in 1893 in Mathematics and Physics ; the
two elements to have equal weight in determining the award.

The holders of the Holland Scholarships will be under obliga-
tion to devote the whole of the academic year following their
graduation to advanced work either here or elsewhere, as graduate
students of the College, in the departments of study for which the
Scholarships are severally provided, under the direction of the
Faculty, to whom regular reports of progress in such work shall
be furnished. The Scholarships will be held for one year, subject
to the approval of the Faculty ; and the names of the Holland
Scholars will be published in the Catalogues of the College with
those of students who have attained other academic honors.

HONOR-MEN FOR THE YEAR 1890-91

Honors in the Class of 1891

Valedictory	HARRY HOWARD
Salutatory	CHARLES HERBERT YOUNG
Third Appointment . . .	CHARLES NORMAN SHEPARD

Other Speakers at Commencement

John Bird Burnham   Victor Cox Pedersen

Isaac Wayne Hughes   John Fields Plumb

TUTTLE PRIZE ESSAY	[Not awarded]
CHEMICAL PRIZE ESSAY	Albert Crabtree
Second Prize	Stephen Howard Alling
PRIZE VERSION DECLAMATION	William Eugene Conklin
ORATORICAL PRIZES	
Gold Medal	Isaac Wayne Hughes
Silver Medal	John Fields Plumb
LATIN PRIZE	William Porter Niles
MATHEMATICAL PRIZE	James Birckhead Birckhead
GOODWIN GREEK PRIZES	[Not awarded]
POLITICAL SCIENCE PRIZES	
First Prize	Harry Howard
Second Prize	David Van Schaack

HONOR–GRADE

The students whose names follow attained the honor-grade in the several departments (see page 46) during the year 1890–91.

SENIORS

In *Chemistry	I. K. Hamilton, E. F. Lawton
In English	J. B. Burnham, I. K. Hamilton, H. Howard, J. F. Plumb, H. Scudder, C. N. Shepard, G. H. Wright, W. G. Wright, C. H. Young
In †Ethics	A. C. Graves, J. F. Plumb, L. W. Rogers, T. P. Thurston, D. Van Schaack, G. H. Wright, W. G. Wright
In *Physics	I. K. Hamilton, E. F. Lawton
In *Chemistry*	†I. K. Hamilton, †E. F. Lawton, H. Scudder, W. G. Wright
In *English*	J. B. Burnham, *G. N. Hamlin, *H. Howard, *J. F. Plumb, C. N. Shepard, W. G. Wright
In †*Ethics*	A. C. Graves
In †*French*	G. N. Hamlin
In *Hebrew*	H. Howard, I. W. Hughes, *R. Walker
In *Latin*	*F. M. Barber, C. H. Young
In *Physics*	†I. K. Hamilton, †E. F. Lawton, H. Scudder
In *Sanskrit*	H. Howard

JUNIORS

In German	A. H. Sibley
In †*Ethics*	T. L. Elwyn, E. K. Hubbard, R. F. Humphries, J. Paine, E. Randall
In †*Hebrew*	S. H. Alling, R. F. Humphries
In †*Physics*	H. Kidder

SOPHOMORES

In English	W. F. Collins
In Greek	W. F. Collins, C. Judd, W. P. Niles
In Latin	C. Judd
In Physics	W. F. Collins

FRESHMEN

In †English	J. B. Birckhead, W. M. Bours, J. W. Edgerton, F. F. Johnson, P. R. Wesley
In Greek	J. B. Birckhead, N. T. Pratt
In Latin	J. B. Birckhead, C. J. Davis, J. W. Edgerton, F. F. Johnson, N. T. Pratt
In Mathematics	J. B. Birckhead

Prescribed studies in Roman ; Elective studies in *Italic*

* Christmas term only   † Trinity term only

DEGREES CONFERRED IN 1891

The following Degrees, having been voted by the Corporation at their annual meeting held on the 24th day of June, 1891, were duly conferred at the public Commencement on the following day.

BACHELOR OF ARTS IN COURSE

John Bird Burnham
with honors in English
Arthur Collins Graves
with honors in Mathematics
Isaac Wayne Hughes
with honors in Greek
Charles Norman Shepard
with honors in English
George Hermann Wright
with honors in Mathematics
William George Wright
with honors in Mathematics
Charles Herbert Young
with honors in Latin and Mathematics
Edward Bronson Finch
Arthur Leslie Green
George Newell Hamlin
William Cleveland Hicks, Jr.
Harry Howard
Edward Rutledge Lampson, Jr.
William Hugh McCulloch
Herbert Parrish
Victor Cox Pedersen
John Fields Plumb
Lucian Waterman Rogers
Heyward Scudder
Thomas Burke Smith
Theodore Payne Thurston
David Van Schaack
Robert Walker
The Rev. Benjamin Muzzey Bradin
of the Class of 1875

BACHELOR OF SCIENCE IN COURSE

Frank Marshall Barber
with honors in Latin and Mathematics
Irenus Kittredge Hamilton
with honors in Chemistry and Physics
Edwin Franklin Lawton
with honors in Physics
William Hooper Coster
Frederick Reed Hoisington
William Sanford Kingsbury
Charles Hooker Talcott

BACHELOR OF LETTERS

Colin Scott Pitblado

MASTER OF ARTS IN COURSE

Of the Class of 1880
The Rev. Theodore Mount Peck

Of the Class of 1884
The Rev. Edgar Lewis Sanford

Of the Class of 1885
William Denison McCrackan

Of the Class of 1886
Clarence Griffin Child

Of the Class of 1887
The Rev. Charles Ephraim Deuel
Robert Edward Lee Rodgers, M.D.

Of the Class of 1888
Louis LeGrand Benedict
The Rev. William Northey Jones
William John Sheaff Stewart
Albert Rhett Stuart
The Rev. Francis Chetwood Wainwright

DOCTOR OF LAWS HONORIS CAUSA

STEPHEN PAINE NASH, Esq., New York City

DOCTOR OF CANON LAW HONORIS CAUSA

The Rev. CHARLES HENRY HALL, Yale, M.A. 1847, D.D., Rector
of the Church of the Holy Trinity, Brooklyn, N. Y.

DOCTOR OF DIVINITY HONORIS CAUSA

The Rev. ALFRED LEE BREWER, of the Class of 1853, M.A., Rector of St. Matthew's Hall, San Mateo, Cal.

The Ven. JAMES CLARK, University of London, Ph.D., Archdeacon of Antigua

The Rev. GEORGE SHERMAN CONVERSE, Yale, M.A., Rector of St. John's Church, Roxbury, Mass.

SCHOLARSHIPS

TOUCEY SCHOLARSHIPS

These were founded in 1868 by the Hon. Isaac Toucey, LL.D. They are assigned, after a competitive examination, in accordance with the terms of Dr. Toucey's will, to "students obtaining an education with a view to the Sacred Ministry and needing assistance." The appointment is usually made at the close of the first term of Sophomore year, and the mark for the competition is determined as follows: For general scholarship, based on the aggregate standing in the preceding term, on a scale of 60; for excellence in writing English, on a scale of 20; and for excellence in speaking and writing, on a scale of 20. The founder, by making the College the trustee of another fund, has enabled it to appoint the holders of these Scholarships to Scholarships in the Berkeley Divinity School.

SCHOLARSHIPS OF TRINITY CHURCH, NEW YORK

These are five in number, and were founded in 1834, in consideration of the sum of $5,000 granted by the vestry of Trinity Church, New York, toward the endowment of the Hobart Professorship. The students by whom they are held are exempt from all charges for " tuition, room-rent, fuel for recitation-rooms, or other general objects." The right of nomination is in the Rector, Wardens, and Vestry of Trinity Church, or their assigns, or any person by them authorized.

WILLIAM ALLEN MATHER SCHOLARSHIP

This was founded in 1864, and endowed by Mrs. Jane C. Mather, of Hartford, in memory of her son, a member of the class of 1866. The student by whom it is held is exempt from all charges for "tuition, room-rent, fuel for recitation-rooms, or other general objects."

SCHOLARSHIP OF ST. PAUL'S CHURCH, TROY, N. Y.

This was founded in 1830 by members of the Parish whose name it bears. It is "for the benefit of pious and indigent young men studying with a view to the Ministry in the Protestant Episcopal Church." The right of nomination is in the Rector, Wardens, and Vestry of St. Paul's Church, Troy.

HEARTT SCHOLARSHIP

This was founded in 1830, and endowed by Philip Heartt, Esq., of Troy, N. Y. It has the same object with the preceding Scholarship. The

right of nomination was vested in Mr. Heartt during his lifetime, and afterward in the Bishop of the Protestant Episcopal Church in the Diocese of Connecticut; and, during any vacancy in the Episcopate, it devolves on the presiding officer of the College.

THOMAS BACKUS SCHOLARSHIP

This was founded in 1837 by the Rev. Stephen Jewett, M.A., to be held "by some beneficiary designing to enter the Ministry of the Protestant Episcopal Church." The scholarship yields no available income at present.

SCHOLARSHIP OF CHRIST CHURCH, HARTFORD

This was founded in 1839 by J. Smyth Rogers, M.D., Professor of Chemistry. In 1845, in consideration of the subscription from the Parish for the erection of Brownell Hall, the endowment was increased. The right of nomination is vested in the Rector of Christ Church.

GREGOR SCHOLARSHIPS

Through a bequest of $15,000, made in 1856, by Mrs. Sarah Gregor, of Norwalk, Conn., the College is enabled to remit the fees for tuition to a certain number of necessitous students.

KIRBY SCHOLARSHIP

This was founded in 1872, and endowed by a legacy of Miss Harriet Kirby, of Hartford. It yields $300 a year, which is to be appropriated to undergraduates studying with a view to Holy Orders. The right of nomination is vested in the Rector of St. John's Church, Hartford; or, in case he fails to nominate, in the Corporation of the College.

BURHANS SCHOLARSHIP

This scholarship was founded by a bequest of the Rev. Daniel Burhans, D.D. The scholarship is to be held by "such candidates for Orders as shall be nominated from time to time by the Rector and Wardens of Christ Church, Hartford."

DANIEL GOODWIN SCHOLARSHIPS

These scholarships, founded in 1881 by a bequest from Daniel Goodwin, Esq., of Hartford, are four in number, each yielding to the holder the sum of $30 a year in payment of college bills. The scholars, one in each class, are nominated from the public schools of Hartford in such manner as the Board of Education or School Visitors of the Town appoint.

RIPLEY SCHOLARSHIP

This was founded in 1887 by a bequest of $3,000 from Miss M. Louise Ripley, of Hartford. The nomination to the scholarship is in the hands of the President of the College, under certain conditions specified in the will.

LEMUEL J. CURTIS SCHOLARSHIP

This scholarship was founded in 1888 by the legacy of Lemuel J. Curtis, Esq., of Meriden, Conn., and the funds are held by a trustee appointed under the terms of the legacy. The annual value at present is about $350. The appointment to the scholarship is in the hands of the Faculty of the College. It must be held by a candidate for a degree, furnishing satisfactory evidence that he has maintained, during the year previous to his appointment, a standing in his studies of at least eight on a scale of ten.

HOLLAND SCHOLARSHIPS

In the year 1890, by the legacy of Mrs. Frances J. Holland, daughter of the Rt. Rev. Dr. Brownell, Founder and first President of the College, the sum of $50,000 was bequeathed to the College for the endowment of Scholarships in memory of her husband, the late Thomas Holland, Esq. The conditions under which these Scholarships are awarded will be found on an earlier page, under the head of Prizes.

PHILADELPHIA ALUMNI SCHOLARSHIP

A Scholarship is partly endowed by the Philadelphia Alumni Association, the income of which will become available when the endowment is completed.

OTHER SCHOLARSHIPS

The following Scholarships for the remission of fees for tuition were founded in 1844 and 1845 "for the benefit of young men in indigent circumstances, communicants of the Protestant Episcopal Church."

SCOVILL SCHOLARSHIP, founded by William H. Scovill, Esq., of Waterbury

SCOVILL SCHOLARSHIP, founded by J. M. L. Scovill, Esq., of Waterbury.

ELTON SCHOLARSHIP, founded by John P. Elton, Esq., of Waterbury

ST. JOHN'S, WATERBURY, SCHOLARSHIP, founded by Parishioners of St. John's Church, Waterbury

TRINITY CHURCH, NEW HAVEN, SCHOLARSHIP, founded by Parishioners of Trinity Church, New Haven

ST. PAUL'S, NEW HAVEN, SCHOLARSHIP, founded by Parishioners of St. Paul's Church, New Haven

LAKE SCHOLARSHIP, founded by Benjamin T. Lake, Esq., of Bethlehem

HALLAM SCHOLARSHIP, founded by the Rev. Robert A. Hallam, D.D., of New London

ST. JAMES'S, NEW LONDON, SCHOLARSHIP, founded by Parishioners of St. James's Church, New London

SHELTON AND SANFORD SCHOLARSHIP, founded by the Shelton and Sanford families, of Derby

MORGAN SCHOLARSHIP, founded by the Rev. John Morgan, of the class of 1827, of Stratford

Fowler Scholarship, founded by the Fowler family, of Northfield

Cornell Scholarship, founded by Samuel G. Cornell, Esq., of Greenwich

St. Paul's, Norwalk, Scholarship, founded by Parishioners of St. Paul's Church, Norwalk

Trinity Church, Portland, Scholarship, founded by Parishioners of Trinity Church, Portland

Sherman Scholarship, founded by the Sherman family, of Brookfield

Burr Scholarship, founded by Mrs. Sarah Burr, of Hartford

St. John's Church, Hartford, Scholarship, founded by Parishioners of St. John's Church, Hartford

Five other Scholarships were endowed in the same manner, by sundry subscriptions, the nomination to which is vested in the Corporation.

SCHOLARSHIPS OF THE CHURCH SCHOLARSHIP SOCIETY

The Church Scholarship Society of the Diocese of Connecticut aids a few students with loans, not exceeding $100 a year, which are granted only to persons in necessitous circumstances preparing for Holy Orders and sustaining a correct deportment as communicants. Applicants must be furnished with a testimonial of such qualifications, signed by a clergyman to whom they are personally known.

SCHOLARSHIPS OF THE SOCIETY FOR THE INCREASE OF THE MINISTRY

This Society holds the Mark Warner fund, amounting to about $10,000, the income of which, under the conditions of the gift, is to be appropriated to young men, scholars of the Society, studying at Trinity College or the Berkeley Divinity School, and also the Hemingway fund of $5,000, for the benefit of its scholars in Trinity College. The Society is able to grant other scholarships, ranging in value from $100 to $300 a year.

EXAMINATIONS FOR ADMISSION
1891

GREEK

I. GRAMMAR

Decline ῥόος (giving both contracted and uncontracted forms), γονεύς, οὗτος.

Compare κοῦφος, ταχύς.

Inflect (through the persons and numbers) τιμάω, imperf. mid. ; στέλλω, aor. opt. act. ; πείθω, perf. ind. mid. ; ἵστημι, pres. ind. act. ; δίδωμι, 2 aor. imperat. act.

Give the parts of βάλλω, λείπω, ὄλλυμι, ἔρχομαι.

II. XENOPHON

Translate (An., I. 4, 14) :

Ἄνδρες, ἐὰν ἐμοὶ πεισθῆτε, οὔτε κινδυνεύσαντες οὔτε πονήσαντες τῶν ἄλλων πλέον προτιμήσεσθε στρατιωτῶν ὑπὸ Κύρου. Τί οὖν κελεύω ποιῆσαι ; Νῦν δεῖται Κῦρος ἕπεσθαι τοὺς Ἕλληνας ἐπὶ βασιλέα · ἐγὼ οὖν φημι ὑμᾶς χρῆναι διαβῆναι τὸν Εὐφράτην ποταμὸν πρὶν δῆλον εἶναι ὅ τι οἱ ἄλλοι Ἕλληνες ἀποκρινοῦνται Κύρῳ. Ἢν μὲν γὰρ ψηφίσωνται ἕπεσθαι, ὑμεῖς δόξετε αἴτιοι εἶναι ἄρξαντες τοῦ διαβαίνειν καὶ ὡς προθυμοτάτοις οὖσιν ὑμῖν χάριν εἴσεται Κῦρος καὶ ἀποδώσει · ἐπίσταται δ᾽ εἴ τις καὶ ἄλλος · ἢν δ᾽ ἀποψηφίσωνται οἱ ἄλλοι, ἄπιμεν μὲν ἅπαντες εἰς τοὔμπαλιν, ὑμῖν δ᾽ ὡς μόνοις πειθομένοις πιστοτάτοις χρήσεται καὶ εἰς φρούρια καὶ εἰς λοχαγίας · καὶ ἄλλου οὗτινος ἂν δέησθε οἶδα ὅτι ὡς φίλου τεύξεσθε Κύρου.

Where are the following forms made and from what presents : προτιμήσεσθε, διαβῆναι, ἀποκρινοῦνται, ψηφίσωνται ? What is the form of conditional sentence in ἐὰν . . . Κύρου ? The reason for the mode in δέησθε.

Translate (An., III. 4, 27) :

Ἐπεὶ δὲ πιεζόμενοι οἱ Ἕλληνες ἐπεχείρησαν διώκειν, σχολῇ μὲν ἐπὶ τὸ ἄκρον ἀφικνοῦνται ὁπλῖται ὄντες · οἱ δὲ πολέμιοι ταχὺ ἀνεπήδων. Πάλιν δὲ ὁπότε ἀπίοιεν πρὸς τὸ ἄλλο στράτευμα, ταὐτὰ ἔπασχον · καὶ ἐπὶ τοῦ δευτέρου γηλόφου ταὐτὰ ἐγίγνετο · ὥστε ἀπὸ τοῦ τρίτου γηλόφου ἔδοξεν αὐτοῖς μὴ κινεῖν τοὺς στρατιώτας, πρὶν ἀπὸ τῆς δεξιᾶς πλευρᾶς τοῦ πλαισίου ἀνήγαγον πελταστὰς πρὸς τὸ ὄρος. Ἐπεὶ δ᾽ οὗτοι ἐγένοντο ὑπὲρ τῶν ἑπομένων πολεμίων, οὐκέτι ἐπετίθεντο οἱ πολέμιοι τοῖς καταβαίνουσι, δεδοικότες μὴ ἀποτμηθείησαν καὶ ἀμφοτέρωθεν αὐτῶν γένοιντο οἱ πολέμιοι.

The reason for the mode in ἀπίοιεν, γένοιντο. Who are meant by πολέμιοι ?

Translate (An., IV. 3, 24) :

Ξενοφῶν δὲ ἐπεὶ τὰ πέραν ἑώρα καλῶς γιγνόμενα, ἀπεχώρει τὴν ταχίστην πρὸς τὸ διαβαῖνον στράτευμα · καὶ γὰρ οἱ Καρδοῦχοι φανεροὶ ἤδη ἦσαν εἰς τὸ πεδίον καταβαίνοντες ὡς ἐπιθησόμενοι τοῖς τελευταίοις. Καὶ Χειρίσοφος μὲν τὰ ἄνω κατεῖχεν, Λύκιος δὲ σὺν ὀλίγοις ἐπιχειρήσας ἐπιδιῶξαι ἔλαβε τῶν σκευοφόρων τὰ ὑπολειπόμενα καὶ μετὰ τούτων ἐσθῆτά τε καλὴν καὶ ἐκπώματα. Καὶ τὰ μὲν σκευοφόρα τῶν Ἑλλήνων καὶ ὁ ὄχλος ἀκμὴν διέβαινεν · Ξενοφῶν δὲ στρέψας πρὸς τοὺς Καρδούχους ἀντία τὰ ὅπλα ἔθετο.

Explain the use of the participle in καταβαίνοντες, ἐπιθησόμενοι. Give the rules for the place and kind of accent in κατεῖχε, ἐπιδιῶξαι, ἐσθῆτά. The etymology of σκευοφόρος, ἐσθής, ἔκπωμα. Give the story of this encounter with the Carduchi.

III. HOMER

Oral Examination.

IV. COMPOSITION

Translate into Greek :

Tissaphernes said, "I am pleased (ἥδομαι) to hear these words from the men themselves. For if they should plan any evil against me, they would seem to me to be ill-disposed (κακόνοος) toward themselves also. And that you may learn why I say this, listen." And when Tissaphernes had ceased, Clearchus said that he seemed to speak the truth.

V. HISTORY

Give an account of the rebellion of Cylon and its consequences to the family of Megacles. Describe the constitution of the Athenian government in the time of Cleisthenes. Give an account of the Confederacy of Delos, and of the use Athens made of it. The dates of the battles of Marathon and Salamis, and of the death of Socrates. What three events severally mark the termination of the three periods into which the history of the Peloponnesian war is usually divided ?

LATIN

I. CAESAR

Translate :

Caesar, paucos dies in eorum finibus moratus, omnibus vicis aedificiisque incensis, frumentisque succisis, se in fines Ubiorum recepit ; atque iis auxilium suum pollicitus, si a Suevis premerentur, haec ab iis cognovit : 'Suevos, posteaquam per exploratores pontem fieri comperuissent, more suo concilio habito, nuntios in omnes partes dimisisse, uti de oppidis demigrarent, liberos uxores suaque omnia in silvis

deponerent, atque omnes qui arma ferre possent unum in locum con-
venirent ; hunc esse delectum medium fere regionum earum quas Suevi
obtinerent ; hic Romanorum adventum exspectare, atque ibi decertare
constituisse.'

Explain the cases of *dies, vicis, more, locum,* declining each word
throughout. What is the Latin for *one camp* ? for *two camps* ? Give
the principal parts of *incensis, succisis, pollicitus, comperuissent,* marking
the quantity of the penults. Rewrite the latter part of the passage,
beginning with *hunc esse delectum,* in the form of direct narration.

[The following passage from Caesar is to be omitted except by candidates for the Course
in Science.]

Translate :

Ubi eum castris se tenere intellexit, ne diutius commeatu prohiberetur,
ultra eum locum, quo in loco Germani consederant, circiter passus sex-
centos ab iis, castris idoneum locum delegit, acieque triplici instructa ad
eum locum venit. Primam et secundam aciem in armis esse, tertiam
castra munire jussit. Hic locus ab hoste circiter passus sexcentos, uti
dictum est, aberat.

Give the syntax of *intellexit, prohiberetur, consederant, delegit,* stating
where each is made, and giving the reasons for the mood and the tense.
Give some account of the locative case. What is the use of the pronoun
se ?

II. VIRGIL

Oral Examination in Translation and in Prosody.

III. CICERO

Translate :

Quaeso a vobis, ut in hac causa mihi detis hunc veniam, accommo-
datam huic reo, vobis (quem ad modum spero) non molestam, ut me, pro
summo poeta atque eruditissimo homine dicentem, patiamini de studiis
humanitatis ac litterarum paulo loqui liberius. Quod si mihi a vobis
tribui concedique sentiam, perficiam profecto ut hunc A. Licinium non
modo non segregandum, cum sit civis, a numero civium, verum etiam si
non esset, putetis asciscendum esse.

Give the syntax of the verbs in the last sentence, stating where each
is made, and giving the reasons for the mood and the tense. When is
cum followed by the subjunctive ? What are the uses of the supines ?
What verbs are construed with two accusatives ? and what is their con-
struction in the passive ?

IV. EXTEMPORE TRANSLATION

Translate :

Quamobrem vos, dii patrii ac penates, qui huic urbi atque huic reipublicae praesidetis, qui hoc imperium, qui hanc libertatem, qui populum Romanum, qui haec tecta atque templa me consule vestro numine auxilioque servastis, testor, integro me animo ac libero P. Sullae causam defendere ; nullum a me sciente facinus occultari, nullum scelus susceptum contra salutem omnium defendi ac tegi. Nihil de hoc consul comperi, nihil suspicatus sum, nihil audivi. Ut ad sceleratorum poenam amore reipublicae sum adductus, sic ad salutem innocentium voluntate deducor.

Translate :

 Imminet aequoribus scopulus ; pars ima cavatur
fluctibus et tectas defendit ab imbribus undas,
summa riget frontemque in apertum porrigit aequor.
Occupat hunc (vires insania fecerat) Ino,
seque super pontum nullo tardata timore
mittit onusque suum ; percussa recanduit unda.
At Venus immeritae neptis miserata labores
sic patruo blandita suo est : " O numen aquarum,
proxima cui caelo cessit, Neptune, potestas,
magna quidem posco, sed tu miserere tuorum,
jactari quos cernis in Ionio immenso,
et dis adde tuis."

Write the English words which are derived from words in the first three verses.

V. LATIN COMPOSITION

Translate :

At early light, having brought forth all his forces, he waited to see what counsel the enemy were taking. They, though they thought that they could fight safely on account of the fewness of our men, nevertheless wished to gain a victory without wounds and blood ; and when the Romans were led forth by their leaders, they remained in their camp. Crassus saw that the enemy had made our men eager to fight ; and when they all called for battle, he advanced to attack the Gauls.

VI. HISTORY AND GEOGRAPHY

1. What was done for Rome by Servius Tullius ? by Regulus ? by Augustus Caesar ? by Trajan ? 2. Give a brief outline of the campaigns of Pyrrhus in Italy. 3. What was the result of the battle of the Metaurus ? of Zama ? of Actium ? Give the dates. 4. Give some account of Q. Fabius and of Titus. 5. What were the duties of the tribunes of the plebs ? of the censors ?

1. Describe the position of Latium, Apulia, the province of Africa.
2. Where was Veii, Brundisium, Alba, Sybaris ? 3. Give a brief description of Macedonia and of the Peloponnesus. 4. Where was Actium, Zama, Saguntum, Massilia, Carthage ? 5. Where was Aetna, Colchis, Lesbos, Delphi, Olympia ?

MATHEMATICS

ARITHMETIC

1. Find the value to three decimal places of $\sqrt{\dfrac{\frac{5}{6} + \frac{8}{9}}{1\frac{1}{2} + 6.072}}$.

2. A cubical vessel contains 150 lbs. of pure water. Find the length of an inner edge of the vessel in decimeters.

3. Find the compound interest on \$300 for two years, at four per cent., interest being compounded semi-annually.

4. The length of a rectangular field containing 30 acres is three times its width. Find the length of the field in feet.

ALGEBRA

1. Find the numerical value of the expression $\dfrac{e^c - d^c}{e^2 + ed + d^2}$, in which $c = 3, \ d = 4, \ e = 5$.

2. What is the value of $a \div \{x + x + x + \ldots \ldots \text{ written } a \text{ times}\}$?

3. Resolve into prime factors $6x^2 - 12x - 18$.

4. Resolve into prime factors $x^4 + x^2 + 1$.

5. Find the highest common factor of $2x^3 - 4x^2 - 13x - 7$ and $6x^3 - 11x^2 - 37x - 20$.

6. Simplify $\dfrac{\left(\dfrac{a}{b} - \dfrac{b}{a}\right)\left(\dfrac{b}{a} + \dfrac{a}{b}\right)}{1 - \dfrac{a - b}{a + b}}$.

7. Solve the equations $\begin{cases} 5x + 3y - 6z = 4, \\ 3x - y + 2z = 8, \\ x - 2y + 2z = 2. \end{cases}$

8. Solve the equation $\dfrac{x + 2}{x - 1} - \dfrac{4 - x}{2x} = \dfrac{7}{3}$.

9. Solve the equations $\begin{cases} 3x^2 - 2xy = 15, \\ 2x + 3y = 12. \end{cases}$

10. Expand $(a - 2b)^7$ by the binomial theorem.

11. 27,664 cubic inches of material is used in the construction of a cubical box, each side of which is 2 inches thick. Find the length of an outer edge of the box.

12. Derive a formula for the sum of the terms of an arithmetical progression.

GEOMETRY

1. The altitude of a triangle is 6 feet. It is required to divide it into two equivalent parts by a line parallel to the base. Find the altitude of the triangular portion.

2. Four circles, each one foot in diameter, are drawn with their centres at the corners of a square whose side is one foot. Find the area of the figure inclosed by the circles.

Demonstrate the following propositions :

3. If two angles have their sides parallel, they are equal or supplementary.

4. An inscribed angle is measured by one-half its intercepted arc.

5. The area of a parallelogram is equal to the product of its base and altitude.

6. The area of a trapezoid is equal to one-half the product of its altitude and the sum of its parallel sides.

7. If the radius of a circle is divided in extreme and mean ratio, the greater segment is equal to one side of a regular inscribed decagon.

SOLID GEOMETRY

[For Candidates for the Course in Science]

Demonstrate the following propositions :

1. The sum of any two face angles of a triedral angle is greater than the third.

2. Any two rectangular parallelopipeds are to each other as the products of their three dimensions.

3. A triangular pyramid is one third of a triangular prism of the same base and altitude.

4. The sum of the angles of a spherical triangle is greater than two right angles and less than six right angles.

5. The volume of a sphere is equal to the area of its surface multiplied by one-third of its radius.

PLANE TRIGONOMETRY

[For Candidates for the Course in Science]

1. Name and define the trigonometric functions.

2. Prove : $\cos^2 x + \sin^2 x = 1$, $\tan x = \dfrac{\sin x}{\cos x}$, $\tan^2 x = \sec^2 x - 1$.

3. $\operatorname{Sin} 30^\circ = \frac{1}{2}$: find the values of the other trigonometric functions.

4. In which quadrant is an angle whose cosine is negative, and whose cotangent is positive ?

5. $\operatorname{Cos} x = \dfrac{1}{2} \tan x$; find x in degrees, minutes, and seconds.

6. Two sides of a triangle are 738.2 and 571.6. The included angle is 57° 36′ 28″. Find the remaining angles and the third side.

7. The sides of a triangle are 75, 70, and 65. Find the angles.

ENGLISH

I. Correct, criticise, and recast the following sentences :
1. It was decided that Mr. A would accompany them to the city.
2. The last news is that they are to start on Monday.
3. There is a row of elms on either side of the road.
4. Will I find you at home this evening ?
5. Stung by her reproaches he went and hung himself.
6. I have taken somebody else's hat.

II. Write an essay, containing about five hundred words, on one of the following subjects, giving attention to spelling, punctuation, use of capitals, division by paragraphs, and expression :
1. The plot of Shakspeare's *Merchant of Venice.*
2. Longfellow's *Evangeline.*
3. The plot of Scott's *Old Mortality.*
4. Hawthorne's *House of the Seven Gables.*

III. Give the reasons for the use of the points in the first sentence of division II. of this paper.

IV. Give in full the rules for the formation of the possessive case and the plural number of English substantives.

HISTORY OF THE UNITED STATES

[For Candidates for the Course in Science]

1. What nations made settlements within the present territory of the United States, and where were such settlements ?
2. Give an account of the settlement and early history (up to 1650) of any two of the following colonies : Virginia, Plymouth, Massachusetts Bay, Connecticut, Maryland, Rhode Island, and New Haven.
3. What and when was the principal Indian War in the Eastern Colonies ?
4. Give the principal events in the final French War (1755–1763).
5. What were the principal causes of the Revolution ?
6. How was the United States governed from 1776 to 1789, and why was a change necessary ?
7. When and where did the Constitutional Convention meet, and how does the Constitution there framed differ from the preceding form of government ?
8. Mention the various wars in which the United States has taken part, and their results.
9. Why did several States attempt to secede and form a new government in 1860–61 ?
10. Mention the three leading generals on each side in the War of the Rebellion, and the principal battles.
11. Mention the Presidents and Vice-Presidents since 1860, and state to which political party they belonged.