1922

Colby College Catalogue 1922 - 1923

Colby College

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Colby College, "Colby College Catalogue 1922 - 1923" (1922). Colby Catalogues. 23.
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THE COLLEGE CALENDAR, 1922-1923

FIRST SEMESTER

1922

SEPT. 19-20, TUESDAY-WEDNESDAY,—Examinations for admission.
SEPT. 21, THURSDAY,—Registration, Men's Division, 9:15 to 12 M.; Women's Division, 2:15 to 5 P.M. Election of Courses by Freshmen, Men's Division, 9:15 to 12 M.; Women's Division, 2:15 to 5 P.M. First Chapel, Men's Division, 9 A.M.; Women's Division, 2 P.M.
SEPT. 22, FRIDAY,—Academic Year begins, 8 A.M.

OCT. 11, WEDNESDAY,—Deficiency Examinations. Schedule to be announced.

NOV. 22, WEDNESDAY,—Thanksgiving Recess begins, 12 M.
NOV. 27, MONDAY,—Thanksgiving Recess ends, 10 A.M.
DEC. 11, MONDAY,—Annual Sophomore Prize Declamation.
DEC. 15, FRIDAY,—Christmas Recess begins, 6 P.M.

1923

JAN. 4, THURSDAY,—Christmas Recess ends, 8 A.M.
JAN. 19, FRIDAY,—Annual Murray Prize Debate.
JAN. 26, FRIDAY,—First Semester ends, 6 P.M.
JAN. 29, MONDAY,—Mid-year Examinations begin, 9 A.M.

SECOND SEMESTER

FEB. 6, TUESDAY,—Second Semester begins, 8 A.M.
FEB. 17, FRIDAY,—Annual Junior-Senior Debate.
FEB. 21, WEDNESDAY,—Deficiency Examinations. Schedule to be announced.
FEB. 23, FRIDAY,—Junior Prize Exhibition Speakers announced.
FEB. 26, MONDAY,—Annual Goodwin Prize Speaking Contest.
MAR. 5, MONDAY,—Senior Commencement Speakers announced.
MAR. 23, FRIDAY,—Easter Recess begins, 12 M.
APRIL 15, THURSDAY,—Easter Recess ends, 8 A.M.
APRIL 16, MONDAY,—Annual Coburn Prize Speaking Contest.
APRIL 19, THURSDAY,—Patriot's Day. A holiday.
APRIL 24, MONDAY,—Annual Hallowell Prize Speaking Contest.
MAY 4, FRIDAY,—Annual Lyford Interscholastic Prize Speaking Contest.
MAY 25, FRIDAY,—Annual Hamlin Prize Speaking Contest.
MAY 30, WEDNESDAY,—Memorial Day. A holiday.
JUNE 8, FRIDAY,—Election of courses for 1923-1924.
JUNE 9, SATURDAY,—Seniors' Last Chapel, 8.30 A.M. Final examinations begin, 9 A.M.
JUNE 15, FRIDAY,—Final examinations end, 5 P.M.

Commencement Program

JUNE 16, SATURDAY,—College Play, 2 P.M. Junior Prize Exhibition, 8 P.M.
JUNE 17, SUNDAY,—Baccalaureate Sermon, 10.30 A.M. Exercises, 2 P.M., and 8 P.M.
JUNE 18, MONDAY,—Junior Class Day Exercises, 9 A.M. College Play, 2 P.M. Phi Beta Kappa Meeting, 5 P.M. President's Reception, 8 P.M.
JUNE 19, TUESDAY,—Meeting Board of Trustees, 10 A.M. Senior Class Day Exercises, 9 A.M. Business Meeting Alumnae Association, 11 A.M. Meeting Alumni Association, 12 M., followed by the Luncheon. Exercises 3 P.M. College Address, 8 P.M.
JUNE 20, WEDNESDAY,—Commencement Exercises, 9.45 A.M. Commencement Dinner, 12 M.

Summer Vacation of Thirteen Weeks
THE COLLEGE CALENDAR, 1923-1924

FIRST SEMESTER

1923

SEPT. 18, 19, TUESDAY-WEDNESDAY,—Examinations for admission.
SEPT. 20, THURSDAY,—Registration.
SEPT. 21, FRIDAY,—Academic Year begins, 8 A.M.
OCT. 10, WEDNESDAY,—Deficiency Examinations.
NOV. 21, WEDNESDAY,—Thanksgiving Recess begins, 12 M.
NOV. 26, MONDAY,—Thanksgiving Recess ends, 10 A.M.
DEC. 14, FRIDAY,—Christmas Recess begins, 6 P.M.

1924

JAN. 3, THURSDAY,—Christmas Recess ends, 8 A.M.
JAN. 25, FRIDAY,—First Semester ends, 6 P.M.
JAN. 28, MONDAY,—Mid-year Examinations begin, 9 A.M.
FEB. 2, SATURDAY,—Mid-year Examinations end, 5 P.M.
COLBY COLLEGE

COLBY COLLEGE originated with the Baptist churches of the District of Maine. The Bowdoinham Association in 1810, the Cumberland Association and the Lincoln Association in 1811, appointed committees to petition the General Court of Massachusetts for the incorporation of an institution of higher learning, and a charter was granted February 27, 1813, entitled "AN ACT to establish a Literary Institution in the District of Maine", and the institution was to be known as THE MAINE LITERARY AND THEOLOGICAL INSTITUTION. The Trustees named in the act of incorporation organized with the choice of Rev. Sylvanus Boardman as president, and Rev. Otis Briggs as Secretary, and entered upon the preliminary work of establishing the College. By a resolve of the Legislature of Massachusetts, passed February 15, 1815, and in pursuance of Section 10 of the ACT of Incorporation, Township No. 3, on the west side of the Penobscot river, was conveyed to the Trustees. It had been the design of the founders to establish the institution upon the township which now includes the towns of Alton and Argyle; but soon becoming convinced of the absurdity of locating a College in a region destitute of common schools and but sparsely inhabited, a petition was presented to the Legislature of Massachusetts requesting that body to authorize a more central location. The request was at once granted in an ACT approved June 12, 1815; and the Trustees were authorized "to locate in any town within the Counties of Kennebec and Somerset". The Trustees fixed upon Waterville, in Kennebec County, as the seat of the proposed College. Here the Theological Department was established July 6, 1818, under the direction of Rev. Jeremiah Chaplin, and the Literary Department in October, 1819.

By an ACT passed June 18, 1820, by the Legislature of the State of Maine, the Trustees were "empowered to confer such degrees as are usually conferred by Universities established for the education of youth." And on the 28th of June, 1820, the Legislature appropriated the sum of one thousand dollars annually for seven years to the Maine Literary and Theological Institution, stipulating that at least one-fourth of the sum to be received should go toward the reduction of the tuition of deserv-
Historical Sketch

ing students. The name of the Institution was changed to Waterville College in 1821, the Act authorizing this change having been passed by the Legislature of Maine on February 5, 1821.

An agent was appointed in 1859 to solicit subscriptions for the Endowment Fund of the College. No marked success attended his efforts until August, 1864, when Mr. Gardner Colby of Boston subscribed $50,000 on condition that $100,000 additional should be raised. This condition was fulfilled, and in 1866, at the suggestion of President Champlin, the Trustees voted to ask the Legislature to change the name of the institution to Colby University in honor of its benefactor, Mr. Colby. By an Act of January 23, 1867, the name of the Corporation was accordingly changed to “The President and Trustees of Colby University”. The benefactions of Mr. Colby, including the bequest received after his death, April 2, 1879, amounted to $200,000. No further change was made in the name of the College until January 25, 1899, when, at the request of the Board of Trustees, the Legislature of Maine changed the style of the Corporation to its present form, “The President and Trustees of Colby College.

In 1871, young women were admitted to the College on the same terms as young men; and in 1890 the Board of Trustees adopted a plan proposed by President Small, and organized within the College a Division for young men, and a co-ordinate Division for young women. The conditions for entrance remain identical in the two Divisions. In class organization, rank, prize contests, appointments, and honors, the members of the two Divisions are treated as independently as though the institutions were distinct.

In June, 1920, the College celebrated its one-hundredth anniversary with appropriate exercises. This occasion was marked by the successful completion of a campaign for $500,000, of which $125,000 was pledged by the General Education Board of New York, a similar amount by Richard Cutts Shannon, of the class of 1862, and the remainder by the graduates and friends of the College.
OFFICERS OF THE CORPORATION

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ARTHUR JEREMIAH ROBERTS, M.A., LL.D. Waterville

Vice-President and ex-officio Chairman, Board of Trustees
LESLIE COLBY CORNISH, M.A., LL.D. Augusta

Secretary
EDWIN CAREY WHITTEMORE, D.D. Waterville

Treasurer
FRANK BAILEY HUBBARD Waterville

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Term Expires in 1923

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WILLIAM CAMPBELL CRAWFORD, L.H.D Allston, Mass.
CHARLES EDSON OWEN, D.D. Waterville, Maine
HARTSTEIN WENDELL PAGE, M.D. Worcester, Mass.
HERBERT WALTER TRAFTON, B.A Fort Fairfield, Maine
HERBERT ELIJAH WADSWORTH, B.A. Winthrop Center, Maine

EDWIN CAREY WHITTEMORE, D.D. Waterville, Maine
†FRANK WENTWORTH ALDEN, B.A. New York, N. Y.
†ALBERT FOSTER DRUMMOND, B.A. Waterville, Maine

Term Expires in 1924

GEORGE CURTIS WING, LL.D. Auburn, Maine
GEORGE OTIS SMITH, Ph.D., LL.D. Washington, D. C.
DUDLEY PERKINS BAILEY, M.A. Everett, Mass.
GEORGE EDWIN MURRAY, B.A. Lawrence, Mass.
FRED MYRON PREBLE, D.D. Ludlow, Vt.
REX WILDER DODGE, B.S. Portland, Maine
REUBEN WESLEY DUNN, M.A. Waterville, Maine
DANA WARREN HALL, B.A. Chicago, Ill.
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†EVERETT CARLTON HERRICK, D.D. Fall River, Mass.

Term Expires in 1925

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Term Expires in 1926

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†EVERETT LAMONT GETCHELL, M.A. Boston, Mass.

Term Expires in 1927

†LEON CLIFTON GUPTILL, LL.B., Boston, Mass.
†CARROLL NORMAN PERKINS, LL.B. Waterville, Maine

†Elected by the Colby Alumni Association.

Committees of the Trustees, 1922-1923

STANDING COMMITTEES

Investment
MESSRS. ROBERTS, MURRAY, AND PERKINS

Finance
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Honorary Degrees
MESSRS. BRADBURY, PADELFORD, AND HALL

Professorships
THE PRESIDENT, MESSRS. CRAWFORD, DODGE, PAGE, AND OWEN

Instruction
THE FACULTY ex-officio AND THE COMMITTEE ON PROFESSORSHIPS
Colby College

Academies
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Nominations
MESSRS. SMITH, LORD, AND JOHNSON

Scholarship Aid
THE PRESIDENT, PROFESSOR WHITE AND THE DEAN OF THE WOMEN’S DIVISION

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Prudential
THE PRESIDENT, MESSRS. DRUMMOND, AND WADSWORTH

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Examining Committee
MESSRS. BRADBURY, CRAWFORD, AND GETCHELL

SPECIAL COMMITTEES

Endowment
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MESSRS. JORDAN, ALDEN, WADSWORTH, SEAVERNS, DRUMMOND, AND ROBERT L. ERVIN
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Moral Philosophy

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Professor of the Greek Language and Literature. Secretary
to the Faculty

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Professor of Public Speaking. Editor of Catalogue

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Professor of Philosophy

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Dean of Women. Assistant Professor of Mathematics

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Assistant Professor of English

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Assistant Professor of Chemistry

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Assistant Professor of Physics

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Instructor in Chemistry

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Instructor in Romance Languages

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JOHN RUSSELL GOW, Physics
EDITH HUNT CHILDS, Secretary to the President

MARY LOW HALL.
ROBERTS HALL.
ROBERTS HALL.
A. T. O. HOUSE.
A. T. O. HOUSE.
A. T. O. HOUSE.
ROBERTS HALL.
HEDMAN HALL.
Φ. Δ. Θ. HOUSE.
Α. X. A. HOUSE.
Α. K. E. HOUSE.
The Melcher.

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Superintendent of Buildings and Grounds

MILDRED D. WRIGHT, Foss Hall.
House Manager and Dietitian

GRACE EVELYN WILDER, Mary Low Hall.
Assistant House Manager

DONNIE CAMPBELL GETCHELL, Dutton House.
Assistant House Manager
Colby College

MELVA MERCEDES MANN  
Assistant House Manager  
Foster House.

FRED P. WEYMOUTH  
Janitor  
Hedman Hall.

GEORGE WEBB  
Janitor  
Foss Hall.

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PRESIDENT ROBERTS, Chairman, PROFESSORS TAYLOR, AND LIBBY

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PROFESSOR TAYLOR, Chairman, PROFESSORS PARMENTER, AND TREFETHEN

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Standing of Students
PROFESSOR CHESTER, Chairman, PROFESSORS CHIPMAN, AND TREFETHEN

Women's Division
PRESIDENT ROBERTS, Chairman, PROFESSORS TAYLOR, BLACK, AND MORROW

Library
PROFESSOR TAYLOR, Chairman, PROFESSORS LIBBY, ANDREW, AND MORROW
HONORS AND PRIZES AWARDED 1921-1922

THE MEN'S DIVISION

Class of 1922

COMMENCEMENT: Prize for excellence in English Composition, Clyde Edwin Russell.


Class of 1923

JUNIOR EXHIBITION: First Prize, Stanley Goddard Estes; Second Prize, John Leslie Dunstan.

Class of 1924

SOPHOMORE DECLAMATION: First Prize, Everett Carter Mars-ton; Second Prize, Verne Everett Reynolds.

Class of 1925

HAMLIN READING: First Prize, Ernest Gordon Harvey; Second Prize, Robert Manley Waugh.

FRESHMAN SCHOLARSHIP PRIZES: First Prize, Ralph M. Lar-rabee; Second Prize, Herbert M. Wortman.

German Prizes

Prizes for excellence in German: First Prize, George J. Odom; Second Prize, Albanus M. Pottle.

Greek Prizes

FOSTER MEMORIAL PRIZE: For excellence in the interpreting of Greek Authors: Not awarded.

Lyford Prizes

Murray Debating Prizes

First Prize: Albanus Moulton Pottle, '22, William John McDonald, '24, Marlin Downer Farnum, '23, representing the affirmative team; Second Prize, John Anthony Coyne, '23, Verne Everett Reynolds, '24, Samuel Pinonsky, '22, representing the negative team.

Hallowell Public Speaking Prizes

First Prize, John Anthony Coyne, '23; Second Prize, William John McDonald, '24; Third Prize, Marlin Downer Farnum, '23; Fourth Prize, Merton Everett Laverty, '23.

Goodwin Public Speaking Prizes

First Prize, George Bernard Wolstenholme, '22; Second and Third Prizes divided between Basil Bartlett Ames, '23, and Samuel Pinonsky, '22; Fourth Prize, John Leslie Dunstan, '23.

The Albion W. Small Prizes

First Prize, Galen Eustis, '23.

THE WOMEN'S DIVISION

Class of 1922

COMMENCEMENT: Prize for excellence in English Composition, Bertha Emily Cobb.


Class of 1923

JUNIOR EXHIBITION: First Prize, Melva Mercedes Mann; Second Prize, Lucy Maria Osgood.

Class of 1924

SOPHOMORE DECLAMATION: First Prize, Marion Doten Brown; Second Prize, Anna Christina Erickson.
Honors and Prizes

Class of 1925

**HAMLIN READING:** First and Second Prizes divided between Clair Alice Crosby and Emily Mae Barrows.

**FRESHMAN SCHOLARSHIP PRIZES:** First Prize, Elsie I. Bishop; Second Prize, Carrie V. Baker.

**German Prizes**

Prizes for excellence in German: First Prize, Bertha M. Otto; Second Prize, Louise L. Steele.

**Greek Prizes**

**FOSTER MEMORIAL PRIZE:** For excellence in the interpreting of Greek Authors: Not awarded.

**Coburn Prize Speaking Contest**

First Prize, Anna Christina Erickson, '24; Second Prize, Melva Mercedes Mann, '23; Third and Fourth Prizes divided between Lucy Maria Osgood, '23, and Louise Madeline Cates, '25.
PROGRAM OF THE ONE HUNDRED AND FIRST ANNUAL COMMENCEMENT OF THE COLLEGE

Wednesday, June 21, 1922

ORDER OF EXERCISES

Music        Prayer        Music
Clifford Peaslee.................An Unrealized Field of Service
Bertha Emily Cobb..............Development of Higher Education for Women in the United States
Clyde Edwin Russell..............Self-Education

COMMENCEMENT ADDRESS by Nathaniel Butler, Jr., D.D., LL.D., Dean of University College, University of Chicago, Graduate of Colby in the class of 1873.

Conferring of Degrees
Awarding of Prizes
Benediction

Honors in General Scholarship

THE MEN'S DIVISION

Cum Laude
Herbert Armond Perkins         Clyde Edwin Russell
Chester LeRoy Robinson        Evan John Shearman
Edwin Wilder Gates            Walter Thomas Moreland

THE WOMEN'S DIVISION

Magna Cum Laude
Catherine Dolley Larrabee      Clara Hammond Wightman
Gertrude Glyndon Willey       Eleanor Clough Bailey

Cum Laude
Beatrice Persis Baker         Dorothy May Crawford
Hazel Goold Dyer              Ruth Goodwin
Ruby Frances Dyer             Edith Louise Harvey
Dorothy Harmon White          Helen Raymond

Emma Moulton
Degrees Conferred in 1922

BACHELOR OF ARTS

The Men's Division

Raymond Joseph Bates ................... Willimantic, Conn.
Ashley Lyndon Bickmore .................. Charleston
Roger Eustace Bousfield .................. Waterville
Thomas Randolph Cook ................... Newport
George Washington Currier ................ Kingston, N. H.
William Franklin Cushman ................ Stonington, Conn.
Charles Hanson Gale ..................... Medford, Mass.
Julius Paul Loeffler ...................... Lisbon Falls
Leonard Withington Mayo ................ New Gloucester
Walter Thomas Moreland ................ Epping, N. H.
Clifford Peaslee ......................... Pittsfield, Mass.
Herbert Armond Perkins ................ Waltham, Mass.
Albanus Moulton Pottle .................. Oxford
Clyde Edwin Russell ..................... Charleston
Evan John Shearman ...................... Woodfords
William James Wallace .................. Penacook, N. H.
Hugh Cram Whittemore .................. Portland

The Women's Division

Eleanor Clough Bailey ..................... Winthrop Center
Beatrice Persis Baker ................... Bingham
Ruth Marie Banghart ..................... Bradford, Vt.
Avis Barton ................................ Westboro, Mass.
Virginia Mary Bean ...................... West Minot
Mary Brier ................................ Oakland
Edna Alice Briggs ....................... Littleton
Gladys Iva Briggs ....................... Littleton
Annie Gilmour Burgess .................. Portland
Mary Dassie Carl ......................... Bingham
Edna Marjorie Chamberlain ............... Fort Fairfield
Bertha Emily Cobb ....................... Waterville
Dorothy May Crawford ................... Pittsfield
Hazel Angelia Drew ...................... North Hampton, N. H.
Hazel Goold Dyer ....................... Portland
Daphne May Fish ......................... Freeport
Bertha Emily Gilliatt .................................. Medford, Mass.
Eva Beatrice Glidden .................................. Waterville
Ruth Goodwin ........................................... Waterville
Miriam Hardy ........................................... Greenwich, Conn.
Edith Louise Harvey ................................... Dover
Catherine Dolley Larrabee ............................. Waterville
Hannah Naomi Maher .................................. Augusta
Emma Moulton ........................................... North Hampton, N. H.
Vina Beatrice Parent .................................. Haynesville
Hazel Beatrice Pratt ................................... Caribou
Irene Doris Purington .................................. Houlton
Helen Raymond .......................................... North Jay
Lorena Estella Scott .................................. Harrington
Mildred Smiley .......................................... Waterville
Laura May Stanley ..................................... Mercer
Mary Anne Sweeney .................................... Waterville
Dorothy Harmon White ................................ Fort Fairfield
Clara Hammond Wightman ................................ Sanford
Gertrude Glyndon Willey ................................ Cherryfield

BACHELOR OF SCIENCE

The Men's Division

Asa Charles Adams .................................. Linneus
Walter Drew Berry .................................. Houlton
George Willard Brier ................................ Oakland
Walter Gilchrist Chamberlain ........................ Wells River, Vt.
Willard James Curtis, Jr. ............................. South Paris
Kenneth Champlin Dolbeare .......................... New London, Conn.
Wendell Fremont Farrington .......................... Livermore Falls
Edwin Wilder Gates .................................. Keene, N. H.
George Fox Hendricks ................................ Cliftondale, N. Y.
Robert Morse Jackson ................................ Waterville
Merle Foster Lowery .................................. Monticello
Irwin Stoll Newbury .................................. Groton, Conn.
Charles James Paddock ................................ Amityville, N. Y.
Samuel Pinonsky ....................................... Brooklyn, N. Y.
Chester Leroy Robinson ................................ Warren
Harold Theodore Smith ................................ Sedgwick
Robert Lincoln Stone ................................ Waterville
Degrees Conferred

Henry Dutton Teague ........................................ Warren
George Fred Terry, Jr. ..................................... Waterville
Elmer Leslie Williams ....................................... Brewer
Phillip Hammond Woodworth ............................... Fairfield

The Women’s Division
Annie Fletcher Choate ....................................... Waterville
Elizabeth Josephine Dyar .................................. Farmington
Ruby Frances Dyer .......................................... Skowhegan
Julia Frances Hoyt .......................................... Fairfield
Louise Elizabeth Jacobs .................................... Vassalboro
Mary Irene Whitcomb ....................................... Waterville

Master of Arts
Justin Owen Wellman, B.A., of the Class of 1898

HONORARY DEGREES

Doctor of Laws
Edward Howard Griggs .......................... Croton-on-Hudson, New York

Doctor of Divinity

Doctor of Letters

Master of Arts
John Francis Sprague .......................... Dover-Foxcroft, Maine
ADMISSION REQUIREMENTS

Candidates for admission to the Freshman Class must present satisfactory qualifications in the following subjects, according to the specifications given under each subject and in accordance with the provisions concerning required and optional subjects which are given in the summary below.

BIOLOGY

Biology may be presented for entrance in one of three ways:

1. A year's work in Botany, consisting of five hours a week, including the subjects covered by Bergen's Foundations of Botany, or its equivalent.

2. A year's work in Zoology, consisting of five hours each week, including the subjects covered by such a book as Davenport's Introduction to Zoology, or its equivalent.

3. A year's work in Biology, consisting of a half-year's work in Botany, and a half-year's work in Zoology. Davison's Practical Zoology includes the amount expected for Zoology, and Bergen's Elements of Botany the amount desired for Botany.

A laboratory notebook, certified to by the teacher, must be presented. The notebook must contain carefully labeled diagrams of forms studied and notes made both in the laboratory and in the field. The laboratory time should include about three-fifths of all the time spent in the course, and living forms should be studied so far as possible. It is desired that these forms be found in the locality where the work is given. The greatest stress should be laid on the macroscopic features and little or no microscopic work will be expected. A herbarium will not be accepted in lieu of a notebook.

CHEMISTRY

A course in Chemistry of five hours a week for one year, equivalent to the work contained in any standard text-books written for preparatory schools.

The student will also be required to present at the time of entrance a notebook guaranteed by the teacher, containing the record of not less than forty experiments performed by himself.
under the direction of the teacher. The notebook should be pre­
sented at the Registrar's office at the time of entrance.
Qualitative analysis will not be accepted as an equivalent for laboratory work prescribed.
Candidates for advanced standing are examined only at Wat
erville, and at the time of the entrance examinations.

ENGLISH

Preparation in English has two main objects: (1) command of correct and clear English, spoken and written; (2) ability to read with accuracy, intelligence, and appreciation.

English Grammar and Composition

The first object requires instruction in grammar and composition. English grammar should ordinarily be reviewed in the secondary school; and correct spelling and grammatical accuracy should be rigorously exacted in connection with all written work during the four years. The principles of English composition governing punctuation, the use of words, paragraphs, and the different kinds of whole composition, including letter-writing, should be thoroughly mastered; and practice in composition, oral as well as written, should extend throughout the secondary school period. Written exercises may well comprise narration, description, and easy exposition and argumentation based upon simple outlines. It is advisable that subjects for this work be taken from the student's personal experience, general knowledge and studies other than English, as well as from his reading in literature. Finally, special instruction in language and composition should be accompanied by concerted effort of teachers in all branches to cultivate in the student the habit of using good English in his recitations and various exercises whether oral or written.

Literature

The second object is sought by means of two lists of books, headed respectively reading and study, from which may be framed a progressive course in literature covering four years. In connection with both lists, the student should be trained in reading aloud and encouraged to commit to memory some of the more notable passages both in verse and in prose. As an aid to literary appreciation, he is further advised to acquaint himself
with the most important facts in the lives of the authors whose works he reads and with their places in literary history.

A. READING AND PRACTICE.

The aim of this course is to foster in the student the habit of intelligent reading and to develop a taste for good literature, by giving him a first-hand knowledge of some of its best specimens. He should read the books carefully, but his attention should not be so fixed upon details that he fails to appreciate the main purpose and charm of what he reads.

The books for Reading and Practice are arranged in the following groups, from each of which at least two selections are to be made, except that for any book in Group 1 a book from any other may be substituted.

GROUP 1. CLASSICS IN TRANSLATION.—The Old Testament, at least the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther; the Odyssey, with the omission, if desired, of Books I-V, XV, and XVI; the Aeneid. (The Odyssey and the Aeneid should be read in English translations of recognized literary excellence.)

GROUP 2. DRAMA.—Shakespeare's Merchant of Venice; As You Like It; Julius Caesar.

GROUP 3. PROSE FICTION.—Dickens' A Tale of Two Cities; George Eliot's Silas Marner; Scott's Quentin Durward; Hawthorne's The House of the Seven Gables.

GROUP 4. ESSAYS, BIOGRAPHY, ETC.—Addison and Steele's The Sir Roger de Coverley Papers; Irving's The Sketch Book—selections covering about 175 pages; Macaulay's Lord Clive; Parkman's The Oregon Trail.

B. STUDY AND PRACTICE:

This part of the requirement is intended as a natural and logical continuation of the student's earlier reading, with greater stress laid upon form and style, the exact meaning of words and phrases, and the understanding of allusions.

The books provided for Study and Practice are arranged in four groups, from each of which one selection is to be made.

GROUP 1. DRAMA.—Shakespeare's Macbeth, Hamlet.

GROUP 2. POETRY.—Milton's L'Allegro, Il Penseroso, Comus; Book IV of Palgrave's Golden Treasury (First Series), with special attention to Wordsworth, Keats, and Shelley.

GROUP 3. ORATORY.—Burke's Speech on Conciliation with America; Washington's Farewell Address, Webster's First Bunker Hill Oration, and Lincoln's Gettysburg Address.

GROUP 4. ESSAYS.—Macaulay's Life of Johnson; Carlyle's Essay on Burns, with a brief selection from Burns's Poems.

Examination

The examination will be divided in two parts, one of which may be taken as a preliminary, the other as a final. The first part of the examination will be upon the books required for Reading and Practice and may include questions upon grammar and the simpler principles of rhetoric. The second part of the examination will test the candidate's knowledge of the books required for Study and Practice, also his ability to develop a theme through several paragraphs. Subjects will be drawn from books required for Study and Practice, from the candidate's other studies, and from his personal knowledge and experience quite apart from reading.

FRENCH

ELEMENTARY FRENCH.

The work to be done the first year should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and the more common irregular verbs, the plurals of nouns, the inflection of adjectives, participles, and pronouns; the use of personal pronouns, common adverbs, prepositions, and conjunctions; the order of words in the sentence, and the elementary rules of syntax; (3) abundant easy exercises, designed not only to fix in the memory the forms
and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 175 duodecimo pages of graduated texts, with constant practice in translating into French easy variations of the sentences read (the teacher giving the English), and in reproduction from memory of sentences previously read; (5) writing French from dictation.

During the second year, the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose in the form of stories, plays, or historical or biographical sketches; (2) constant practice, as in the previous year, in translating into French easy variations upon the texts read; (3) frequent abstracts, sometimes oral and sometimes written, of portions of the text already read; (4) writing French from dictation; (5) continued drill upon the rudiments of grammar, with constant application in the construction of sentences; (6) mastery of the forms and use of pronouns, of pronominal adjectives, of all but the rare irregular verb forms, and of the simpler uses of the conditional and subjunctive.

Suitable texts for the second year are: Bruno’s “Le tour da la France”, Daudet’s easier short tales, La Bédollière’s “La Mère Michel et son chat”, Erckmann-Chatrian’s stories, Foa’s “Contes biographiques” and “Le petit Robinson de Paris”, Foncin’s “Le pays de France”, Labiche and Martin’s “La poudre aux yeux” and “Le voyage de M. Perrichon”, Legouvé and Labiche’s “La Cigale chez les fourmis”, Malot’s “Sans famille”, Mairet’s “La tâche du petit Pierre”, Mérimée’s “Colomba”, extracts from Michelet, and Verne’s stories.

ADVANCED FRENCH.

During the third year the work should comprise the reading of from 400 to 600 pages of French of ordinary difficulty, a portion to be in the dramatic form; constant practice in giving French paraphrases, abstracts or reproductions from memory of selected portions of the matter read; the study of a grammar of moderate completeness; writing from dictation.

Suitable texts are About’s stories, Augier and Sandeau’s “Le Gendre de M. Poirier”, Béranger’s poems, Daudet’s “Le petit Chose”, Coppée poems, La Brète’s “Mon oncle et mon curé”, Halévy’s “L’abbé Constantin”, Labiche’s plays, Loti’s “Pêcheur d’Islande”, Michelet’s “Jeanne d’Arc”, Molière’s
Admission Requirements

"L'Avare", and "Le bourgeois gentilhomme", George Sand's stories, Sandeau's "Mademoiselle de la Seiglière", Scribe's plays, Vigny's "La canne de jonc":

**GERMAN**

**FIRST YEAR.** Pronunciation; memorizing and frequent repetition of easy colloquial sentences; grammar: article, commonly used nouns, adjectives, pronouns, weak verbs and more usual strong verbs, more common prepositions, simpler uses of modal auxiliaries, elementary rules of syntax and word-order; abundant easy exercises in composition; 75-100 pages of graduated texts from a reader; constant practice in translating into German easy variations of text; and reproductions from memory of sentences from text.

**SECOND YEAR.** Continued drill on rudiments of grammar; 150-200 pages of easy stories and plays; continued translation into German of easy variations of matter read; and offhand reproduction, orally and in writing.

The following texts are recommended: (1) Andersen's Märchen or Bilderbuch, or Leander's Träumereien, about forty pages; (2) Hauff's Das kalte Herz or Zschokke's Der zerbrochene Krug; (3) Hillern's Höher als die Kirche, or Storm's Immensee; (4) a short story from Heyse or Baumbach or Seidl; (5) Benedix Der Prozess.

**THIRD YEAR.** Grammar: less usual strong verbs, use of articles, cases, auxiliaries, tenses and moods (particularly the infinitive and subjunctive), word-order and word formation; about 400 pages of moderately difficult prose and poetry; constant practice in paraphrases, abstracts and memory reproductions of passages read.

The following texts are recommended: (1) Chamisso's Peter Schlemihl; (2) a part of Freytag's Bilder aus der deutschen Vergangenheit; (3) a part of Fouqué's Undine, or a part of Schiller's Geisterseher; (4) a short course in Lyrics and Ballads; (5) one classical play by Goethe, or Schiller, or Lessing.

**GREEK**

**READING.** Xenophon's Anabasis, Books I-IV. Homer's Iliad, Books I-III. Equivalent readings will be accepted.
PROSE COMPOSITION. The equivalent of one period a week for two years.

Teachers in the preparatory schools are urged to give particular attention to securing in their pupils (1) by constant drill upon inflections, analysis of forms, mood and tense synopses and principal parts, a mastery of the verb; (2) the habit of noting the derivation and composition of words and the primary meanings contained therein; (3) the ability to attack intelligently and translate at sight the simpler passages of Xenophon and of Homer, the aim being to encourage the student away from a slavish dependence upon lexicon or vocabulary; and (4) above all else, the habit of using simple and idiomatic English in translation. As a helpful means to this last end, it is recommended that occasionally written translations be required, and that these be thoroughly discussed and criticised by teacher and class.

HISTORY

GREEK AND ROMAN HISTORY.

1. Greek History to the death of Alexander, with due reference to Greek life, literature and art.

2. Roman History to the accession of Commodus, with due reference to literature and government.

As a preparation in Greek and Roman History, a course of study equivalent to five hours per week for one year will be necessary, and it will count one unit. The preparation of such a course will call for such general knowledge of each field as may be acquired from the study of an accurate text-book of about 300 pages, in each subject, supplemented by parallel readings, to a similar amount. Due attention should be paid to geography and the preparation of outline maps, and the effort should be made to train the judgment as well as the memory of the student, and to develop comparisons between historical characters and periods; and to require some form of written work, such as abstracts of reading, analyses of the text-book, to develop such faculties.

The following books are recommended for use in the schools:

Greek History.—Myers' or Botsford's or Oman's or Morey's History of Greece, or Breasted's Ancient Times, or West's Ancient History; Plutarch's Lives, or other good authorities.
Admission Requirements

Roman History.—Allen's Short History of the Roman People, or Botsford's or Myers' or Morey's History of Rome, or Breasted's Ancient Times, or West's Ancient History; with additional readings in Plutarch's Lives, Ihne's Early Rome, Froude's Cæsar, or other authorities.

English and American History.

1. English History, with due reference to social and political development.

2. American History, with the elements of Civil Government. The requirements as to quality and methods of work are the same as those prescribed for the courses in Greek and Roman History.

The following books are recommended:

1. English History.—Cheyney's or Andrews' or Larson's or Larned's or Coman and Kendall's History of England, or Montgomery's English History, or Walker's Essentials in English History; with additional readings in Green's History of the English People, Gardiner's Students' History of England, Creighton's Age of Elizabeth, Macaulay's History of England, or other authorities.

2. American History.—Johnston's or Fiske's or Channing's History of the United States, or Hart's Essentials in American History; with additional readings in Lodge's English Colonies in America, Higginson's History of the United States, the works of Parkman, Fiske, the "American Statesmen" series, or other authorities.

Latin


Cicero, seven Orations; or, the Orations against Catiline, the Oration for Archias, and two thousand lines of Ovid's Metamorphoses.

Vergil's Æneid, Books I-VI; or Eclogues and Æneid, I-IV.

Translations, at sight, of ordinary passages from Cæsar, Cicero's Orations, Vergil's Æneid, and Ovid's Metamorphoses. Instructors in the preparatory schools are urged to insist upon the use of simple and idiomatic English in the translation of Latin.
PROSE COMPOSITION. The equivalent of at least one period a week for three years in Prose Composition.

MATHEMATICS

Thorough drill in Arithmetic is of vital importance in the study of Mathematics. It is assumed that facility in the use of integral and fractional numbers has been acquired in the lower grades, and that such topics as decimals, percentage, square and cube root, have been covered in the high school course.

ALGEBRA. The fundamental operations; factoring, including the finding of the highest common factor and lowest common multiple; solution of simultaneous equations of the first degree in two or more variables; the changing of questions into equations; radicals and exponents, solution of quadratic equations by completing the square, and by factoring; problems depending on quadratic equations; ratio and proportion; arithmetical and geometrical progressions; the binomial theorem for positive integral exponents.

PLANE GEOMETRY. The theorems and constructions of good text-books; emphasis is laid on simple exercises.

ADVANCED MATHEMATICS. Students offering Advanced Mathematics for admission to college will be expected to present one or more of the following subjects: Advanced Algebra, including higher quadratic equations, binomial formula for any exponent, logarithms, series, determinants, the complex number and the theory of equations; Plane Trigonometry as treated by the usual text-books; Solid Geometry, including the theorems and exercises of the best text-books, mensuration of solids, and demonstration of simple original theorems.

PHYSICS

A year's work in Physics, five hours a week, covering the subject as presented in Millikan and Gale's First Course in Physics, Black and Davis's Practical Physics, or some equivalent text-book. A note-book containing the complete record of not less than thirty experiments performed by the student, should be presented for examination. At least one-half of these experiments should be quantitative in their character. The note-book should be vouched for in writing by the instructor, and should be presented at the time of entrance.
PHYSIOGRAPHY

A course of five hours a week for one-half year, covering the subject as presented in Davis's Elementary Physical Geography or an equivalent text-book, with practical work in the laboratory or field, preferably in both. A note-book showing an intelligent record of observation study, certified to in writing by the instructor, must be presented on entrance.

PHYSIOLOGY

Students presenting Physiology for entrance must have completed a half-year's work in that subject. Such work should include a general study of the structures of the body, the organs and their functions, and the processes and methods of growth, as given in Blaisdell's Physiology, or its equivalent.

TERMS OF ADMISSION

Candidates for admission to the Freshman class must offer studies amounting to a total of fourteen and one-half units. To count one unit a subject must be pursued for one school year, with five recitation periods a week.

B. A. COURSE

The subjects required of those students who enter the B.A. Course, count ten and one-half units; the remaining four units being chosen from the optional subjects.

If Greek is not presented for admission, French or German must be; and if a modern language is chosen, not less than two years' work, counting two units, will be accepted.

B. S. COURSE

The subjects required of those who enter the B.S. Course, count five and one-half units; the remaining nine units being chosen from the optional subjects. But candidates for the B.S. Course must choose from the optional subjects two years of a modern language, one year of science, and one year of history.
### B. A. COURSE

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**OPTIONAL**

- Greek, each year | 1
- *French, 2 years* | 2
- *German, 2 years* | 2
- Greek History | ½
- ¶English History | ½ or 1
- ¶American History | ½ or 1
- Physics | 1
- Chemistry | 1
- Solid Geometry | ½

### B. S. COURSE

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<th>REQUIRED</th>
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†If three full years of Plane Geometry and Algebra have been taken, credit of three units will be allowed.
§The candidate must present one-half unit in Roman History; the other is to be selected from the optional histories.
*Each additional year counts one unit.
¶Counts one unit, if studied for a full year.

Spanish, Mechanical Drawing, Manual Training and other preparatory subjects not named in the above lists, will be referred for credit to the committee on entrance examinations.

### SPECIAL STUDENTS

At the discretion of the Faculty, students will be received to pursue special courses, providing they satisfy the instructors of such courses of their earnestness of purpose and their ability to pursue successfully the college studies they elect.

No special student is admitted to regular course except by certificate or examination; no special student is allowed to continue such more than two years; and no special student is allowed to take part in intercollegiate athletics.
METHODS OF ADMISSION

1. BY EXAMINATION

Candidates for admission will be received on passing preliminary and final examinations in the required and optional subjects prescribed for entrance (p. 31-32). Candidates who desire to do so may enter on passing complete examinations at one time in four fundamental subjects, and presenting principal’s statement covering the remainder of the units prescribed for admission; for the B.A. Course the subjects are English, Latin, Mathematics, and one optional subject; for the B.S. Course, English, French or German, Mathematics, and one optional subject.

(A) At the College

Examinations for admission are held on the Tuesday and Wednesday preceding Commencement. Candidates will assemble at 8 A.M., Tuesday, June 12, at Chemical Hall. Examinations for admission are also held at the opening of the first semester, September 18-19, 1923.

(B) At Preparatory Schools

Examination papers in all the required and optional subjects for admission to Colby (p. 31-32) will be furnished to the principal of any high school or academy of good standing for such of his pupils as wish to take examinations for admission to college. These examinations will be held in 1923 on May 22-23. Applications for papers should be made to the Registrar and must be received not later than May 17. With the papers will be sent directions about the manner of conducting the examinations.

Examinations in admission subjects may be taken by candidates at the end of the second and third years of the preparatory school course. Examinations will not be given, however, on less than two years of English, French, or German.

(C) For Advanced Standing

Candidates for advanced standing are examined in the preparatory studies, and in the various studies that have been taken by the classes which they wish to enter. Those who are
admitted from other colleges must present certificates of regular admission.

2. BY CERTIFICATE

Entrance certificates will be received from such schools in New England as are approved by the College Entrance Certificate Board. The associated colleges are Amherst, Bates, Boston University, Bowdoin, Brown, Colby, Massachusetts Agricultural College, Middlebury, Mount Holyoke, Smith, Tufts, University of Vermont, Wellesley, Wesleyan, and Williams. All schools desiring the certificate privilege should apply before April 1st of each year to the Secretary of the Board, Professor Frank W. Nicholson, Wesleyan University, Middletown, Conn. The qualifications of candidates for admission by certificate from schools outside New England will be determined by the Committee on Entrance Certificates.

Candidates for admission who can secure certification in only a part of the entrance requirement will be permitted to take examinations on other preparatory subjects which they have successfully completed but with too low a grade for certification.

It is understood that students admitted on certificate are on probation for the first semester, during which they must prove their ability to do college work as a necessary condition of their continuing with the class.

REQUIREMENTS FOR GRADUATION

1. PRESCRIBED AND ELECTIVE COURSES

FRESHMAN YEAR. Candidates for the B.A. degree are required to take Mathematics 1, 3 or 2, 4; Public Speaking 1, 3; Bibliography A; Latin 1, 3 or 2, 4, if Greek 5, 6 or 7, 8 is not substituted; Greek 5, 6 or 7, 8, if Latin 1, 3 or 2, 4 is not substituted.

Candidates for the B.S. degree are required to take Mathematics 1, 3 or 2, 4; Public Speaking 1, 3; Bibliography A; Physics 1, 3 or 2, 4.

Candidates for the B.A. or B.S. degree will be required to elect eighteen (18) semester-hours, in addition to the hours prescribed above, from the following courses open to Freshman students:
Biology 1, 2
Chemistry 1, 2
Drawing 1, 2
French 1, 2
French 3, 4

French 5, 7 or 6, 8
Geology 1, 2
German 1, 3 or 2, 4
German 5, 6
Greek 1, 2

Greek 5, 6 or 7, 8
Spanish 1, 2
Rhetoric 1, 3 or 2, 4
Physics 1, 3 or 2, 4
Latin 1, 3 or 2, 4

SOPHOMORE YEAR. Candidates for the B. A. degree are required to take (1) the first year of English Composition (1, 3 or 2, 4) if not taken in the Freshman Year; (2) the first year of German (German 1, 3 or 2, 4,) or French (French 1, 2), or Spanish (Spanish 1, 2), but with this restriction, namely, that a language shall be taken which has not been offered for admission.

Candidates for the B. S. degree are required to take the same courses as prescribed for Candidates for the B. A. degree, except that Chemistry 1, 2 is required unless taken in the Freshman Year.

Candidates for the B. A. or B. S. degree will elect additional hours required from such courses open to Sophomores as are found listed under Courses of Instruction.

JUNIOR YEAR. Ten courses, all elective.

SENIOR YEAR. Ten courses, all elective.

NOTE: A student who has not completed sufficient work in Latin to satisfy the entrance requirement of four years in that subject, but desires to pursue the course leading to the degree B.A., may do so by electing three years of Greek in college (one year in addition to the two years of Elementary Greek).

2. SEMESTER-HOURS

Beginning with the class of 1923, a total of one hundred and twenty-two (122) semester hours will be required for a degree. Freshmen students will be required to take 32 semester-hours, and Sophomores, Juniors, and Seniors, 30 semester-hours.

3. GROUPS

The work of the Sophomore, Junior, and Senior years is arranged in three fields or groups as follows:

A. Language and Literature. (This group includes Public Speaking and Journalism.)
B. History, Economics, and Philosophy. (This group includes Art.)
C. Mathematics, and the Physical and Natural sciences.

**IMPORTANT NOTE:** In addition to the work specifically stated as "required," each candidate for graduation must take, during his period of study, at least two one-year courses in Group A, one one-year course in Group B; and, if a candidate for the degree B.S., one one-year course in Group C, or, if a candidate for the degree B.A., two one-year courses in Group C.

**4. MAJOR SUBJECTS**

Candidates for the B.A. or B.S. degree will be required to complete before graduation a minimum of eighteen semester hours of a major subject, the work to be arranged with the advice of the head of the department in which the major subject is to be taken and begun only after his approval has been gained. The election of a major subject must be made at the time of the election of Sophomore courses.

**Note:** French 1, 2, German 1, 3 or 2, 4, Rhetoric 1, 3 or 2, 4, Spanish 1, 2, and Greek 1, 2 shall not count among major subjects.

In addition to the major subject a minimum of twelve semester-hours must be taken in one of the two Groups (3) in which the major subject does not appear.
COURSES OF INSTRUCTION

NOTE: Courses in brackets are not given for the current year, 1922-1923.

ASTRONOMY
ASSOCIATE PROFESSOR TREFFETHEN

Instruction in Astronomy is given in Shannon Observatory. Equipment includes a very complete and excellent set of lantern slides,—many of them direct telescopic photographs of celestial objects,—photographs and drawings, a celestial sphere, a sextant, a terrestrial telescope and an equatorial instrument with four-inch objective mounted in the observatory, provided with a solar and filar micrometer eyepiece.

1. GENERAL ASTRONOMY. First Semester: Tuesday, Thursday, Saturday, 8.


Elective for Juniors and Seniors.

2. GENERAL ASTRONOMY. Second Semester: at the same hours.

Continuation of Course 1.

Elective for those who have completed that course.

BIBLICAL LITERATURE
MR. NEWMAN

1. THE LIFE AND TEACHINGS OF CHRIST. The course is based upon the Synoptics, the Fourth Gospel, and extra-canonical sources. A study will be made of their historical and geographical background, and of the recorded life, personality, and teachings of Christ. First Semester: Tuesday, Thursday, Saturday, 9.

Elective for students of both Divisions.

2. THE EARLY CHURCH. Continuation of Course 1. An inductive study of Paul and his epistles, an introduction to the
rest of the New Testament writings, the methods and polity of
the early church, and a brief survey of the life and works of
the early church Fathers. Second Semester: at the same hours.
Elective for students of both Divisions.

BIBLIOGRAPHY

PROFESSOR CHIPMAN

A. THE USE OF THE LIBRARY: individual instruction in the
use of the catalogue, periodicals, indices, and reference books.
Required of all Freshmen, both Divisions. First Semester:
four periods at the convenience of the Librarian and the
student.

1. BOOKS AND THEIR MAKERS: libraries ancient and modern;
cataloguing, classification, and the making of bibliographies.
Text-books, assigned readings, lectures, and practice work in
the Library. First Semester: three periods a week at the con­
venience of the Librarian and the class.

Elective for a limited number of Juniors and
Seniors.
The aim of this course is not to prepare students
for library work but to give them such a knowledge
of library science as will be of practical value in
teaching, professional study, or business.

2. CONTINUATION OF COURSE 1. Second Semester: three
periods a week.

Elective for those who have completed Course 1.

BIOLOGY

PROFESSOR CHESTER

1. BIOLOGY. Lectures, recitations and laboratory exercises.
First Semester: Wednesday, Friday at 10; Laboratory Divi­
sions, Monday, 10-12, Tuesday, 1.30-3.30.

Elective for Freshmen, Sophomores, and Juniors.

2. BIOLOGY. (Continued). Second Semester: at the same
hours.

Elective for those who have completed Biology 1.
Courses 1 and 2 are designed to acquaint stu­
dents with the general biology of both the animal
and plant organism. In them are studied the
Courses of Instruction

characteristics and physiology of protoplasm; cell structure and tissue differentiation; the anatomy, development and physiology of organisms; their distribution and relation to the environment and to each other. A brief survey of the theories of evolution and the methods of heredity are also included.

1. ZOOLOGY: EVOLUTION AND GENETICS. First Semester: Tuesday, Thursday, Saturday, 8.

This course is designed to introduce the student to the theoretical side of Biology. In it are studied the various factors that contribute toward the proof of evolution and some of the various theories that go to explain evolution. The subject of variations and the facts and theories of heredity will occupy a portion of the course.

Elective for those who have taken Biology 1 and 2.

2. ZOOLOGY. Second Semester: at the same hours; Laboratory hours, Thursday.

The anatomy, physiology and classification of animals. Typical representatives of the various groups will be taken in the laboratory.

Elective for those who have taken Biology 1 and 2.

3. VERTEBRATE ANATOMY. First Semester: Monday, Wednesday, Friday, 8-10.

Elective for Juniors and Seniors who have taken Biology 1 and 2.

4. VERTEBRATE ANATOMY. Continuation of Course 3. Second Semester: at the same hours.

Zoology 3 and 4 are designed to acquaint students with the structure of the vertebrate animal. The fish, the amphibian and the mammal are used to illustrate in the laboratory and in the classroom descriptions of other forms and comparisons of similar structures aid the student in obtaining an understanding of these forms.

5. TECHNIQUE; AND EMBRYOLOGY. First Semester: Monday, Thursday and Friday afternoons.

Laboratory Technique is introduced to give the student a foundation in the methods of laboratory study. It will also include some work in the early embryology of some of the lower forms.
6. **EMBRYOLOGY OF VERTEBRATES.** The development of the chick will furnish the foundation on which the course is based. This course is continuous with 5.

Zoölogy 5 and 6 are open to Juniors and Seniors who have taken Zoölogy 3 and 4.

**CHEMISTRY**

**Professor Parmenter, Assistant Professor Weeks and Mr. TingeY**

Students who plan to elect the full chemical course should begin work in chemistry on entering college. Sophomores may, upon the approval of the Department, elect Chemistry 1 and 5 simultaneously.

1. **GENERAL CHEMISTRY.** First Semester: Wednesday, Friday, 11; Laboratory hours, Monday, 10-12, Tuesday, 1.30-3.30.

   Introduction: history occurrence, distribution, preparation, properties and uses of the non-metallic elements and their principal compounds. Theoretical and Historical Chemistry. Lectures and recitations with lecture-table experiments. Individual laboratory work in which the student prepares the principal elements and their compounds and studies their properties.

   Required of Sophomores, B. S. Course. Elective for Juniors and Sophomores, B. A. Course, and for Freshmen who intend to take the full chemical course.

   **Professor Parmenter.**
   **Assistant Professor Weeks.**
   **Mr. TingeY.**

2. **GENERAL CHEMISTRY.** Second Semester: at the same hours.

   Course 1 continued. History, occurrence, distribution, metallurgy, properties and uses of the metals, and the study of their principal compounds.

   A brief study of some of the important organic compounds. Lectures, recitations and laboratory work.

   Required of Sophomores, B. S. Course. Elective for Juniors and Sophomores, B. A. Course, and for Freshmen who have taken Chemistry 1.

   **Professor Parmenter.**
   **Assistant Professor Weeks.**
   **Mr. TingeY.**
3. **HOUSEHOLD CHEMISTRY.** First Semester: Wednesday, Friday, 9; Laboratory hours, Tuesday, 1.30-3.30.

This course will consist of a general discussion of the Chemistry of daily life and the application of the science to various activities of the household. Such subjects as textiles, dyeing, cleaning, laundering, cooking, etc., will be considered. Lectures, recitations and laboratory work.

Elective for students of the Women’s Division who have passed Chemistry 1 and 2.

**PROFESSOR PARMENTER.**

4. **CHEMISTRY OF FOOD AND NUTRITION.** Second Semester: at the same hours.

A brief survey of the typical compounds of carbon will be made. Particular stress will be laid upon those compounds which are found in plant and animal tissues and the changes which food constituents undergo in the process of cooking, in digestion and under the action of micro-organism. Elementary physiological chemical problems will be discussed. Impurities in foods will be considered and simple tests for such substances made. Lectures, recitations and laboratory work.

Elective for students of the Women’s Division who have taken Chemistry 3.

**NOTE:** Students of the Women’s Division may take Chemistry 3, 4 and 5, 6 simultaneously.

**PROFESSOR PARMENTER.**

5. **QUALITATIVE ANALYSIS.** First Semester: Div. A, Tuesday, Thursday, Saturday, 10-12; Div. B, Monday, Thursday, Friday, 2.30-4.30.

Lectures, recitations and laboratory work on the reactions of the metals and acids. A study of the methods of separation and detection of radicals, based upon the theory of ionization and the law of mass action.

Elective for students who have passed Chemistry 1 and 2.

**MR. TINGEY.**

6. **QUALITATIVE ANALYSIS AND INORGANIC PREPARATIONS.** Second Semester: at the same hours.

A continuation of Course 5, including the qualitative analysis of technical products. Several inorganic preparations will be made, the products purified and properties studied.
7. **QUANTITATIVE ANALYSIS.** First Semester: Tuesday, Thursday, Saturday, 8-10.

This course is arranged to give the student both theoretical and practical instruction in quantitative analysis as illustrated by selected gravimetric methods. The use of the analytical balance, method of weighing and calibration methods are studied. Frequent problems are given and written reports are required covering the theory and methods of analysis. Laboratory work with lectures and quizzes.

Elective for students who have taken or are taking Chemistry 5 and 6.

**PROFESSOR PARMENTER.**

8. **QUANTITATIVE ANALYSIS.** Second Semester: at the same hours.

A systematic consideration of the theories, practical instruction in quantitative analysis as illustrated by selected volumetric and electrochemical methods. Calibration methods are studied and frequent problems are given. Written reports are required covering the theory and methods of analysis. Laboratory work with lectures and quizzes.

Elective for students who have taken Chemistry 7.

**PROFESSOR PARMENTER.**

9. **ORGANIC CHEMISTRY.** First Semester: Monday, Thursday, Friday, 2.30-4.30.

A study of the properties, reactions and structure of the aliphatic hydrocarbons and their derivatives. Lectures, quizzes and laboratory work.

Elective for Juniors and Seniors who have passed or are taking Chemistry 5 and 6.

**ASSISTANT PROFESSOR WEEKS.**

10. **ORGANIC CHEMISTRY.** Second Semester: at the same hours.

A continuation of Course 9. A study of benzene, its derivatives and of the more important carbocyclic compounds. Special stress is laid throughout on the relation between chemical constitution and the chemical and physical properties. Lectures, quizzes and laboratory work.
Courses of Instruction

Elective for those who have passed Chemistry 9.

ASSISTANT PROFESSOR WEEKS.

11. PHYSICAL CHEMISTRY. First Semester: Tuesday, Thursday, 9; Laboratory hours, Saturday, 8-10.

A systematic consideration of the theories, fundamental laws and methods of physical chemistry; including, stoichiometry; gases, liquids and solids; generalizations and applications of the phase rule; thermochemistry; colloid chemistry and photochemistry. Lectures, quizzes and laboratory work on illustrative experiments.

Elective for Juniors and Seniors who have passed Chemistry 6.

ASSISTANT PROFESSOR WEEKS.

12. PHYSICAL CHEMISTRY. Second Semester: at the same hours.

A continuation of Chemistry 11 including the law of mass action; modern theories of solutions; chemical kinetics; chemical equilibrium; catalysis; electrochemistry; radioactivity and atomic structure. Lectures, quizzes and laboratory work.

Elective for those who have passed Chemistry 11.

Students may elect Chemistry 7, 9 and 11 simultaneously.

ASSISTANT PROFESSOR WEEKS.

13. INDUSTRIAL CHEMISTRY. First Semester: Monday, Wednesday, Friday, 8.

In this course a study is made of the more important applications of inorganic and organic chemistry to manufacturing purposes. The aim of the course is not only to give students a knowledge of factory methods which depend upon Chemistry but also to give a broad cultural idea of the place which the subject of Chemistry holds in the development of modern industry. This is accomplished through lectures, collateral reading, and occasional excursions to manufacturing plants.

The First Semester's work deals with the application of inorganic chemistry to chemical industries. Lectures, quizzes and visits to plants.

Elective for Juniors and Seniors who have taken or are taking Chemistry 7 to 10.

MR. TINGEY.

14. INDUSTRIAL CHEMISTRY. Second Semester: at the same hours.
A continuation of Chemistry 13. A study is made of the more important applications of organic chemistry to the development of modern industry. Lectures, quizzes and visits to plants.

Elective for Juniors and Seniors who have passed Chemistry 13.

Mr. TingeY.

15. Quantitative Analysis, Advanced. First Semester: Tuesday, Thursday, Saturday, 10-12.

Selected methods in gravimetric, volumetric, gasometric and electro-chemical analysis arranged to meet the needs of the individual student. Instruction is given in the use of such physical-chemical apparatus as the polarscope, colorimeter, refractometer, etc. Laboratory work with lectures and written reports.

Elective for Seniors who have passed Chemistry 7 and 8.

Professor Parmenter.

16. Technical Analysis. Second Semester: at the same hours.

This course is a continuation of Chemistry 15 and has to do with the quantitative study of technical, agricultural and industrial products. The analysis of iron and steel, lubricating oils, the complete analysis of coal with bomb-calorimeter methods, paint and soap analysis, water analysis for industrial and portable purposes, food analysis and the analysis of fertilizer are some of the problems studied. The work so far as possible is arranged to meet the needs of the individual student. Laboratory work with lectures and written reports.

Elective for Seniors who have passed Chemistry 15.

Professor Parmenter.


Lectures covering the theories of Organic Chemistry; the more important reactions; drugs; physiological products; dyestuffs and the relation of color and constitution.

Laboratory work on more advanced problems than those performed in Chemistry 9 and 10 including a study of the preparation, careful purification, analysis, determination of the molecular weight and formula of some organic compound.
Courses of Instruction

Elective for Seniors who have passed Chemistry 10.

ASSISTANT PROFESSOR WEEKS.

18. CHEMICAL PROBLEMS. Second Semester: at the same hours.

Laboratory work under the direction of an instructor on some (special) chemical problem approved by the Department. Includes reference work, frequent conferences, and a typewritten report.

Elective for Seniors who have passed Chemistry 17 and who are taking Chemistry 16.

Students may elect Chemistry 13, 15 and 17 simultaneously.

PROFESSOR PARMENTER.
ASSISTANT PROFESSOR WEEKS.
MR. TINGEY.

DRAWING AND DESCRIPTIVE GEOMETRY

ASSOCIATE PROFESSOR CARTER

1. MECHANICAL DRAWING AND DESCRIPTIVE GEOMETRY. First Semester: Monday, Thursday, Friday, 1.30-3.30.

The principles of Descriptive Geometry, comprising the projection of points and lines, the intersection of solids, the development of surfaces, and graphic solution of problems. The mechanical drawing of geometric figures and objects, lettering and dimensioning.

Elective for Freshmen, Sophomores, Juniors, and Seniors.

2. MECHANICAL DRAWING AND DESCRIPTIVE GEOMETRY. Second Semester: at the same hours.

Continuation of Course 1.

Elective for those who have completed that course.

By a recent special gift it has become possible to provide amply for the work in Drawing and Descriptive Geometry which had been already begun. The south end of the second floor of Champlin Hall has been made into a single room, which is well lighted and furnished with excellent individual tables and stools for drawing, also chairs and blackboards for lecture and recitation work.

Drawing and Descriptive Geometry are of great
value as cultural studies and training of the imagination, as well as for their practical applications. By means of these courses, students preparing for engineering professions, may anticipate studies required for technical subjects.

ECONOMICS AND SOCIOLOGY

ASSOCIATE PROFESSOR MORROW AND ASSOCIATE PROFESSOR ANDREW

The students who intend to major in Economics and Sociology, or who plan to do graduate work in these subjects, prepare for foreign service, do social work, enter business, or study law are advised to take one of the courses suggested on page 87. These courses, while permitting a considerable degree of concentration, give the student the liberal education of a classical college.

Economics

1. PRINCIPLES OF ECONOMICS. First Semester: Div. A, Monday, Wednesday, Friday, 8; Div. B, Tuesday, Thursday, Saturday, 8; Div. C, Monday, Thursday, Friday, 2.30.

   A brief survey of the development of economic thought from the early nations down through the Mercantilists, Kameralists, Physiocrats, and Adam Smith. A careful study of consumption, production, and distribution follows. Much time is given to collateral reading.

   Text-book, lectures, assigned readings.

   Elective for Sophomores, Juniors and Seniors.

   ASSOCIATE PROFESSOR MORROW.
   ASSOCIATE PROFESSOR ANDREW.

2. PRINCIPLES OF ECONOMICS. Second Semester: at the same hours.

   This is a continuous course with Course 1. The subjects of banking, credit, labor, money, social insurance, socialism, tariff, and transportation are studied. Text-book, lectures, collateral readings.

   A paper on some economic question is required of all students in the course.

   Elective for Sophomores, Juniors and Seniors.

   ASSOCIATE PROFESSOR MORROW.
   ASSOCIATE PROFESSOR ANDREW.

[3. PUBLIC FINANCE. First Semester: Monday, Wednesday, Friday, 11.]
Courses of Instruction

Some of the most important topics of public finance are considered i.e., taxations, public debt, public expenditures, budgets, collection of revenues, and war finance. Text-book, lectures, collateral reading, and special reports.

Elective for Juniors and Seniors who have taken Courses 1 and 2.

ASSOCIATE PROFESSOR MORROW.

[4. INTERNATIONAL TRADE. Second Semester: at the same hours.]

Work in this course covers the theory of foreign and domestic trade. The effects of tariffs, bounties, and other interferences with world trade are examined. How transportation and the rates of foreign exchange enter into trade relations are discussed. A careful study of a text is supplemented by lectures, and numerous collateral readings.

Elective for Juniors and Seniors who have taken Courses 1 and 2.

ASSOCIATE PROFESSOR MORROW.

5. CORPORATIONS. First Semester: Monday, Wednesday, Friday, 11.

Why the various types of business organization came into being; together with the structure, functions, promotion and financing of such organizations are studied. Lectures, text-book and reports on assigned readings.

Elective for Juniors and Seniors who have taken Courses 1 and 2.

ASSOCIATE PROFESSOR MORROW.

6. MONEY AND BANKING. Second Semester: at the same hours.

The evolution of money; the functions of banking; the banks in France, Germany, Great Britain and the United States; and the Federal Reserve Bank are studied. Text-book, lectures, collateral reading, and papers on assigned topics.

Elective for Juniors and Seniors who have taken Courses 1 and 2.

ASSOCIATE PROFESSOR MORROW.

Sociology

1. PRINCIPLES OF SOCIOLOGY. First Semester: Tuesday, Thursday, Saturday, 9.
This course is a study of social evolution, socialization, social ideals, social control, social pathology, and methods of social investigation. Besides lectures, text-book, and collateral reading, each student reports on some sociological topic.

Elective for Juniors and Seniors who have taken Economics 1 and 2.

2. SOCIAL PROBLEMS. Second Semester: at the same hours.

Special social problems such as the family, population, immigration, negro, city, country, pauperism, crime, socialism, and education and social progress are studied. Text-book, lectures, and special papers.

Elective for Juniors and Seniors who have taken Sociology 1.

ASSOCIATE PROFESSOR MORROW.

[3. SOCIAL STATISTICS. First Semester: Monday, Thursday, Friday, 1.30.]

This course deals with various phenomena of births, deaths, divorces, marriages, population, prices and wages. It includes a study of statistical methods based on the theory of probabilities. The work of Galton and others receive careful consideration. Lectures, text-book, collateral reading, and prepared papers on assigned topics.

Elective for Seniors who have taken Sociology 1 and 2.

ASSOCIATE PROFESSOR MORROW.

[4. SOCIOLOGY SEMINAR. Second Semester: at the same hours.]

Students in this course must prepare reports on particular sociological topics, and these reports form the basis of class discussion. A paper embodying the work of each student is required. Some time is given to recent literature in sociology and to the subject of eugenics.

Elective for Seniors who have taken Sociology 1 and 2.

ASSOCIATE PROFESSOR MORROW.

5. IMMIGRATION AND AMERICANIZATION. First Semester: Monday, Thursday, Friday, 1.30.

A study of immigration is made from its social, economic and political aspects. This is followed by a survey of the agencies and methods of Ameri-
Courses of Instruction

canizing the immigrant. Text-book, lectures and
reports.
Elective for students who have taken Sociology
1 and 2.

ASSOCIATE PROFESSOR MORROW.

6. POVERTY AND DEPENDENCY. Second Semester: at the
same hours.

Of all the social problems Poverty is one of the
most important. The Socio-Economic factors that
cause an increase in the number of capable and
industrious people who become dependents are
studied. Methods of relief and prevention receive
careful consideration. Lectures, text-book and
written reports.
Elective for students who have taken Sociology
1 and 2.

ASSOCIATE PROFESSOR MORROW.

EDUCATION

(See Philosophy).

ENGLISH LITERATURE

PRESIDENT ROBERTS, ASSISTANT PROFESSOR WEBER AND
MISS DUNN

The purpose of the work in English Literature is to give
the student some idea of the history of the literature of his
own language, to develop in him a real enjoyment in the read­
ing of good books, and above all to train his mind, through
association with the great thinkers and writers of England and
America, to think for itself. The courses consist of lectures,
frequent recitations, and occasional written reports.

1. SURVEY COURSE. First Semester: Div. A, Monday,
Wednesday, Friday, 8; Div. B, Tuesday, Thursday, Saturday, 8.

A survey of English Literature from the Revival
of Learning to the death of Johnson, 1470-1784.
A preliminary course, open to all except Fresh­
men.

ASSISTANT PROFESSOR WEBER.
MISS DUNN.

2. SURVEY COURSE. Second Semester: at the same hours.

A continuation of Course 1.
A survey of English Literature from the death
of Johnson to the death of Queen Victoria, 1784-1900.
Open to those who have completed Course 1.
ASSISTANT PROFESSOR WEBER.
MISS DUNN.

3. SHAKESPEARE. First Semester: Monday, Wednesday, Friday, 9.
A careful study of the work of the great dramatist.
Elective for Juniors and Seniors who have completed Course 1-2.
ASSISTANT PROFESSOR WEBER.

4. SHAKESPEARE. Second Semester: at the same hours.
A continuation of Course 3.
Elective for those who have completed Course 3.
ASSISTANT PROFESSOR WEBER.

5. MILTON. First Semester: Monday, Wednesday, Friday, 10.
A study of English Literature from 1630 to 1744, emphasizing the work of Milton, and including Dryden, the Queen Anne writers, and Pope.
ASSISTANT PROFESSOR WEBER.

6. WORDSWORTH. Second Semester: at the same hours.
A continuation of Course 5.
English Literature from 1744 to 1810, the forerunners of the Romantic Revival, Wordsworth, and Coleridge.
Course 5-6 is elective for Juniors and Seniors who have completed Course 1-2; it is annually alternated with Course 7-8.
ASSISTANT PROFESSOR WEBER.

[7. THE ROMANTIC POETS. First Semester: Monday, Wednesday, Friday, 10.]
A continuation of Course 6: English Literature from 1810 to 1832,—Shelley and Keats, Scott and Byron, etc.
ASSISTANT PROFESSOR WEBER.

[8. TENNYSON AND BROWNING. Second Semester: at the same hours.]
A continuation of Course 7.
Courses of Instruction

English Literature during the Age of Queen Victoria, from 1832 to 1900.—Tennyson and Browning, Arnold and Swinburne, etc.
Course 7-8 is elective for Juniors and Seniors who have completed Course 1-2. Course 5-6 is recommended as a preliminary, but is not required.
Annually alternated with Course 5-6.

ASSISTANT PROFESSOR WEBER.

9. LITERATURE BEFORE ELIZABETH. First Semester: Tuesday, Thursday, Saturday, 9.

From the beginnings to the birth of Queen Elizabeth,—700-1533: Beowulf, Chaucer, Langland, Malory, More, etc.

PRESIDENT ROBERTS.

10. ELIZABETHAN LITERATURE. Second Semester: at the same hours.

Literature from 1533 to 1625,—Spenser, Marlowe, Jonson, Beaumont and Fletcher, etc.
Course 9-10 is elective for Juniors and Seniors; it is annually alternated with Course 11-12.

PRESIDENT ROBERTS.

[11. AMERICAN LITERATURE. First Semester: Tuesday, Thursday, Saturday, 9.]

A survey of American Literature from Franklin to Mark Twain,—1770-1900.
Given in alternate years.

ASSISTANT PROFESSOR WEBER.

[12. THE ENGLISH DRAMA. Second Semester: at the same hours.]

The study of representative English plays from the Middle Ages to the end of the nineteenth century.
Course 11-12 is elective for all except Freshmen; it is annually alternated with Course 9-10.

ASSISTANT PROFESSOR WEBER.

ENGLISH COMPOSITION

ASSISTANT PROFESSOR BROWN, MR. BERGUM, AND MR. MARSH

1. ENGLISH COMPOSITION. First Semester: Div. A, Monday, Wednesday, Friday, 8; Div. B, Monday, Wednesday, Friday, 10; Div. C, Tuesday, Thursday, Saturday, 8.
"The chief stimulus of good style is to possess a full, rich, complex matter to grapple with." (Pater.) Instruction in this course endeavors to provide the student with this full, rich, complex matter, to set him to thinking for himself, and not to spend a disproportionate amount of time on formal rhetoric.

Required of men of the Freshman or Sophomore class.

ASSISTANT PROFESSOR BROWN.
MR. BURGUM.

2. ENGLISH COMPOSITION. Identical with Course 1. First Semester: Div. A, Monday, Wednesday, Friday, 11; Div. B, Tuesday, Thursday, Saturday, 10; Div. C, Tuesday, Thursday, Saturday, 11.

Required of women of the Freshman or Sophomore class.

ASSISTANT PROFESSOR BROWN.
MR. MARSH.

3. A CONTINUATION OF COURSE 1. Second Semester: at the same hours as Course 1.

Required of men of the Freshman or Sophomore class.

ASSISTANT PROFESSOR BROWN.
MR. BURGUM.

4. THE SAME AS COURSE 3. Second Semester: at the same hours as Course 2.

Required of women of the Freshman or Sophomore class.

ASSISTANT PROFESSOR BROWN.
MR. MARSH.

5. ADVANCED COMPOSITION. First Semester: Monday, Thursday, and Friday, 2.30.

Designed for students who are especially interested in writing. There is no attempt at professional training, the aim being to aid the student in gaining fluency and facility in the expression of ideas, and skill in the handling of his subject-matter.

Stories or Articles every two weeks, reports on reading, and impromptu criticism in the classroom. Lectures and class discussions.

Elective for men and women who have completed Courses 3 or 4.

MR. BURGUM.
Courses of Instruction

6. **CONTINUATION OF COURSE 5. Second Semester:** at the same hours.

   Mr. Burgum.

[7. **ADVANCED COMPOSITION. First Semester:** Hours by special arrangement.]

   Limited to students who have shown decided ability as writers, and who wish to do further work in some particular field of composition.
   Meetings of the group with the instructor once a week, individual conferences, and written reports every three weeks.
   Given in alternate years.

   Mr. Burgum.

[8. **ADVANCED COMPOSITION. Second Semester:** Hours by special arrangement.]

   Continuation of Course 7.
   Given in alternate years.

   Mr. Burgum.

**FRENCH**

**Associate Professor Helie, Mr. Nelson, and Mr. Strong**

1. **ELEMENTARY FRENCH. First Semester:** Monday, Thursday, Friday, 3.30.

   Grammar, pronunciation, oral work, and translation of easy French. For the written work Fraser and Squair's French Grammar (new complete edition.) A main object of the course is to develop reading ability.

   Mr. Strong.

2. **CONTINUATION OF COURSE 1. Second Semester:** at the same hours.

   Courses 1 and 2 are required of all students who do not offer French or Spanish for entrance.

   Mr. Strong.


   Grammar, pronunciation, oral work, and composition based on Fraser and Squair's French Grammar. Reading from such works as Flaubert's Un coeur simple, Zola's l'Attaque du moulin,
France’s le Livre de mon ami, Daudet’s les Lettres de mon moulin, Lemaitre’s Contes extraits de Myrha, and the like.

ASSOCIATE PROFESSOR HELIE.
MR. NELSON.
MR. STRONG.

4. CONTINUATION OF COURSE 3. Second Semester: at the same hours.

Courses 3 and 4 are elective for those who have completed Courses 1 and 2, or who have had two years of secondary school French.

ASSOCIATE PROFESSOR HELIE.
MR. STRONG.

5. THIRD-YEAR FRENCH. First Semester: Tuesday, Thursday, Saturday, Div. A, 9; Divs. B and C, 8.

Translation of French into English. Selections from the works of Racine, Molière, Lamartine, Musset, Sand, Victor Hugo, Balzac, France, Lotie, and others. Occasional themes in French are required. One meeting a week will be devoted to exercises in composition.

ASSOCIATE PROFESSOR HELIE.
MR. NELSON.
MR. STRONG.

6. CONTINUATION OF COURSE 5. Second Semester: at the same hours.

Courses 5 and 6 are elective for those who have completed Courses 3 and 4, or their equivalent.

ASSOCIATE PROFESSOR HELIE.
MR. NELSON.
MR. STRONG.

7. ADVANCED COMPOSITION AND CONVERSATION. First Semester: Monday, Wednesday, Friday, Div. A, 10; Tuesday, Thursday, Saturday, Div. B, 10.

Practice in speaking and writing French for students who already have acquired some facility. Reading; dictation; syntax; themes. The texts used are the Larousse Grammaire Française, and R. T. Holbrook’s Living French.

ASSOCIATE PROFESSOR HELIE.
MR. NELSON.

8. CONTINUATION OF COURSE 7. Second Semester: at the same hours.
Courses of Instruction

Courses 7 and 8 are elective for those who have completed Courses 5 and 6.

ASSOCIATE PROFESSOR HELIE.
MR. STRONG.

9. LITERATURE OF THE SEVENTEENTH AND EIGHTEENTH CENTURIES. First Semester: Monday, Thursday, Friday, 2.30.

The following writers will be studied: Corneille, Racine, Molière, Boileau, La Fontaine, Bossuet, La Bruyère, Mme. de Sévigné. A survey of the literature of the period, based upon Pellissier, Précis de l'histoire de la littérature française, pp. 139-364.

ASSOCIATE PROFESSOR HELIE.

10. CONTINUATION OF COURSE 9. Second Semester: at the same hours.

A considerable amount of reading from the works of Voltaire, Rousseau, Buffon, and the Encyclopedists. Pellissier: Précis de l'histoire de la littérature française, pp. 365-544. Courses 9 and 10 are elective for those who have completed Courses 5 and 6.

ASSOCIATE PROFESSOR HELIE.

11. FRENCH ROMANTICISM AND REALISM. First Semester: Tuesday, Thursday, Saturday, 10.

Weekly themes in French are required upon subjects connected with the course. Particular attention will be given to the novel and poetry of the time. The following works will be read in class: Extraits de Chateaubriand (ed. Brunetière); Lamartine, Oeuvres choisies, Poésie (ed. René Walz); Victor Hugo, Poems (ed Schinz); Vigny, Cinq-Mars; Michelet and Taine in Extraits des historiens français du XIXe siècle (ed. Jullian); Balzac, Short stories (ed. Buffum); Zola, la Dénâcle.

ASSOCIATE PROFESSOR HELIE.

12. CONTINUATION OF COURSE 11. Second Semester: at the same hours.

Courses 11 and 12 are elective for those who have completed Courses 9 and 10.

ASSOCIATE PROFESSOR HELIE.
1. PHYSIOGRAPHY. First Semester: Div. A, Wednesday, Friday, 9; Div. B, Wednesday, Friday, 10; Laboratory Divisions, Tuesday, Thursday, 1.30-3.30.

A study of the topographic forms of the earth's surface, including their structure, origin and development. This course is designed for those who wish a cultural knowledge of geology and for those who may later teach physical geography in high school. Text-book study, laboratory work, and field trips.

Elective for Freshmen, Sophomores, Juniors, and Seniors. Prerequisite for other courses in the department.

2. PHYSIOGRAPHY AND METEOROLOGY. Continuation of Geology 1. Second Semester: at the same hours.

The work on earth forms is completed and considerable time is devoted to the study of the atmosphere, weather, and climate. Text-book study, field trips, and laboratory work.

3. PHYSICAL GEOLOGY. First Semester: Thursday, Saturday, 8; Laboratory, Friday, 1.30-3.30.

A study of the rocks of the earth's crust, including their composition, origin and structure. Special attention is given to those features of the rocks which are of use in interpreting the past history of the earth. Text-book study, laboratory work and field trips.

Elective for those who have had Geology 1-2, and for Seniors with the consent of the instructor.

4. HISTORICAL GEOLOGY. Second Semester: at the same hours.

A study of the history of the earth as written in the rocks. Attention is given to the geography and climates of the past and their effect on the development of organic life. Text-book study, laboratory work and field trips.

5. CRYSTALLOGRAPHY, MINERALOGY, AND BLOWPIPE ANALYSIS. First Semester: Tuesday, Thursday, Saturday, 10-12.

A course in the identification of minerals by means of their geometric form and physical and
Courses of Instruction

Courses of Instruction

chemical properties. This course is intended for those students specializing in Chemistry, Engineering, or Geology, and for those who feel that a knowledge of minerals would provide an interesting or profitable avocation.

Elective for those who have had or are taking Chemistry 5.

6. ECONOMIC GEOLOGY. Second Semester: at the same hours.

A study of the origin and method of occurrence of the two great classes of natural inorganic resources: namely, the non-metallic products such as coal, oil, cement, salt, phosphates, asbestos, and many minor materials, and the metallic products such as iron, copper, gold, silver, zinc, and lead.

Geology 5-6 given in alternate years with Geology 7-8.

7. GEOLOGICAL RESEARCH. First Semester: Tuesday, Thursday, Saturday, 10-12.

A course designed to give practice in the methods of geological research. The work will be adapted to the needs of the individual student and will consist of reading in geological literature and of field and laboratory work on an assigned problem. At the end of the course the student is expected to prepare a typewritten report upon his problem. The course counts as a standard three-hour course for the year.

Elective for students who have taken Geology 3.

8. GEOLOGICAL RESEARCH. Second Semester: at the same hours.

Geology 7, 8 alternates with Geology 5, 6.

GERMAN

PROFESSOR MARQUARDT

The chief object of the courses in elementary German is to give every graduate a sufficient knowledge of the language to enable him to make practical use of it. The student acquires the necessary knowledge of the grammar, and a good vocabulary, so that he is able to translate ordinary German at sight. Beside, conversation is taught to a certain extent, in order to train the student's ear, to furnish him a correct pronunciation, and to familiarize him with the most important idioms.
The aim of the intermediate and advanced elective courses is to give those students who wish to make a specialty of German a more thorough knowledge of the language through the reading of the best German authors, and by constant practice in German conversation and translation into German. A course of lectures on German literature from its beginnings to the present time is given in German. These lectures present to the students a general view of the development of German literature from the Prehistoric Period to the Old High German, from that period to the Middle High German, and from that dialect to the New High German.

In order to acquaint the student with the scientific style and terms of the language a German Science Reader and an Advanced Scientific German Course have been added in the advanced courses. Such courses are, however, not designed to teach the sciences to students who have not yet become acquainted with general scientific principles. When the student has acquired some knowledge of the subject-matter from his English scientific courses he may derive great benefit from learning also the technical terms in German. A sufficient practice in scientific German will not only give him valuable additional training in a new language, but also enable him to consult German scientific works with great profit.

1. **GRAMMAR.** First Semester: Div. A, Monday, Wednesday, Friday, 9; Div. B, Tuesday, Thursday, Saturday, 9.

   Study of the elements of German Grammar according to Bacon's New German Grammar; careful practice in pronunciation. German script required from the beginning.

   Elective for all men who have not studied any German.

2. **SAME AS COURSE 1.** First Semester: Monday, Wednesday, Friday, 10.

   Elective for all women who have not studied any German.

3. **GRAMMAR, Bacon continued.** Second Semester: at same hours as Course 1.

   Special attention paid to strong verbs and the elementary parts of German syntax. Memorizing of poetry. Translation of Storm's Immensee.

   Requirements are the same as in Course 1.
4. **SAME AS COURSE 3.** Second Semester: at the same hours as Course 2.

Requirements are the same as in Course 2.

5. **GRAMMAR, reviewed.** First Semester: Div. A, Monday, Wednesday, Friday, 11; Div. B, Tuesday, Thursday, Saturday, 10.

   Constant practice in conversation according to Bernhardt's *Im Zwielicht*. Daily themes. Special attention paid to irregular verbs.
   
   Elective for Sophomores and Juniors who have taken Courses 1 and 3, or 2 and 4, or who have offered German for entrance, and for Freshmen who offer German for entrance.

6. **TRANSLATION AND CONVERSATION, according to Bernhardt's *Im Zwielicht*, continued.** Second Semester: at the same hours as Course 5.

   Memorizing of poetry. Blochmann's Scientific German.
   
   Elective for Freshmen, Sophomores, and Juniors who have taken Course 5.

7. **ADVANCED SCIENTIFIC GERMAN.** First Semester: Monday, Thursday, Friday, 1.30.

   Based on selections from the following books:
   
   
   Elective for students who have completed Courses 5 and 6.

*8. **CHIEFLY LITERARY WORK.** Second Semester: at same hours as Course 7.

   Based on Keller's *Bilder aus der Deutschen Litteratur*, dictation, composition and conversation. Allen's *German Life*. Lectures on German Literature.
   
   Elective for students who have completed Course 7.

*9. **LESSING AND SCHILLER.** First Semester: Monday, Wednesday, Friday, 10.

   One drama of each author will be read, and the life and times, and other works of both discussed in lectures and reports. Prose composition.
Elective for all students who have completed Courses 5 and 6.

*10. GOETHE. Second Semester: at same hours as Course 9.

Specimens of Goethe's poetry and prose. Lectures and reports. Prose composition.
Elective for all students who have completed Courses 5 and 6.

11. GRAMMAR. First Semester: Tuesday, Thursday, Saturday, 11.

Prose Composition by v. Jagemann, with syntax by the same author. Fulda's der Talisman. German conversation.
Elective for all students who have completed Courses 5 and 6.

12. GOETHE'S FAUST, I. TEIL. Second Semester: at the same hours as Course 11.

Elective for all students who have taken Course 11.

*NOTE: On account of the small number of students who elected Courses 8, 9 and 10, it was deemed expedient to combine them into one single course during the present academic year.

GREEK

PROFESSOR WHITE

1. ELEMENTARY GREEK. First Semester: Tuesday, Thursday, Saturday, 9.
Elective for all classes.

2. ELEMENTARY GREEK, continued, with reading of simple prose. Second Semester: at the same hours.

3. ELEMENTARY GREEK; reading of simple prose, continued. First Semester: Monday, Wednesday, Friday, 10.
Elective for those who have completed Courses 1 and 2.

4. ELEMENTARY GREEK; readings from Homer. Second Semester: at the same hours.
Elective for those who have completed Course 3.
Courses of Instruction

Note: Courses 1-4 are for those who have not studied Greek in preparation for college but wish to gain some knowledge of the language. The purpose is to do in two years approximately the work that is done in three years in the ordinary preparatory school course. The rate of progress, therefore, must be rapid, and only apt students of language who can devote a generous amount of time to this work should think of undertaking it.


Selections from the Odyssey; study of national as contrasted with literary epic, and of ancient Greek life as depicted in the Homeric poems; extra reading of portions of the poems in English versions.

Elective for those who have completed Courses 1-4 or their equivalent.
Given in alternate years.

6. Selections from the Greek Historians. Second Semester: at the same hours.

Elective for those who have completed Course 5.
Given in alternate years.

7. Selected Speeches of Lysias. First Semester: Monday, Wednesday, Friday, 9.

Elective for those who have completed Courses 1-4 or their equivalent.
Given in alternate years.

8. Plato's Apology and Crito, with collateral reading from Xenophon's Memorabilia of Socrates. Second Semester: at the same hours.

Elective for those who have completed Course 7.
Given in alternate years.

Note: It will be noted that courses are offered above for those who enter college with one, two, or three years of Greek to their credit, as well as for those who enter without Greek.


Study of the origin and development of the Greek Drama, and of the structure and presentation of a Greek play; reading of a play of Æschylus,
or Sophocles, and of other plays in English versions.
Elective for those who have completed Courses 5, 6 or 7, 8.
Given in alternate years.

[10. DRAMATIC POETRY continued. Second Semester: at the same hours.]
Reading of a play of Euripides and a play of Aristophanes, and of other plays in English versions.
Elective for those who have completed Course 9.
Given in alternate years.

11. BIBLICAL GREEK. Selections from the Septuagint. First Semester: Monday, Wednesday, Friday, 11.
Elective for those who have completed Courses 1-4.
Given in alternate years.

12. BIBLICAL GREEK. The Gospel according to Mark. Second Semester: at the same hours.
Elective for those who have completed Course 11.
Given in alternate years.

13. SURVEY OF GREEK POETRY: Epic, Lyric, and Dramatic. First Semester: Tuesday, Thursday, Saturday, 11.
Elective for Sophomores, Juniors, and Seniors.

14. SURVEY OF GREEK PROSE LITERATURE. Second Semester: at the same hours.
Elective for those who have completed Course 13.

NOTE: No knowledge of the Greek language is required for Courses 13 and 14; the reading is done in English translations.

HISTORY AND POLITICS

PROFESSOR BLACK AND ASSOCIATE PROFESSOR ANDREW

European History

European History. A study of the institutions of the western world, the Germanic invasions, the feudal period, the rise of European nationalities, the mediaval church, the Renaissance, the Reformation and the religious wars, the struggle for
constitutional government in England, the age of Louis XIV.,
the rise of Prussia and of Russia, the old régime in Europe
prior to the French Revolution, the revolutionary and Napo­
leonic Era, the Congress of Vienna, revolutionary activities of
the nineteenth century and the growth of democracy, the uni­
fication of Italy and of Germany, the Franco-Prussian war,
France under the Third Republic, parliamentary reform in
England, the expansion of the British Empire, the Eastern
Question, the Balkan Wars, recent international crises in
Europe, and the causes, issues, and results of the Great Eu­
ropean War. Text-books, assigned readings, lectures, and
quizzes.
The work is given as follows:

1. **EUROPEAN HISTORY TO THE RENAISSANCE.** First Semester:
   Div. A, Tuesday, Thursday, Saturday, 9; Div. B. Tuesday,
   Thursday, Saturday, 10.
   Elective for Sophomores and Juniors.
   **PROFESSOR BLACK.**

2. **EUROPEAN HISTORY from the Reformation to the Napole­
one Era.** Second Semester: at the same hours.
   Elective for Sophomores and Juniors who have
taken Course 1.
   **PROFESSOR BLACK.**

3. **EUROPEAN HISTORY from the Congress of Vienna to the
   Franco-Prussian War.** First Semester: Monday, Wednesday,
   Friday, 11.
   Elective for Juniors and Seniors who have taken
   Courses 1 and 2.
   **PROFESSOR BLACK.**

4. **EUROPEAN HISTORY from the Franco-Prussian War to the
   present time.** Second Semester: at the same hours.
   Elective for Juniors and Seniors who have taken
   Course 3.
   **PROFESSOR BLACK.**

**American History**

5. **AMERICAN HISTORY through the war of 1812.** First
   Semester: Monday, Wednesday, Friday, 9.
   Elective for Sophomores, Juniors and Seniors.
   **ASSOCIATE PROFESSOR ANDREW.**
6. **HISTORY OF THE UNITED STATES** from 1815 to the Present.
Second Semester: at the same hours.

   The course in American Political History 5 and 6 is continuous throughout the year. Students are recommended to take History 1 and 2 as a preparation.

   A brief survey of American history prior to the formation of the Union is followed by a more intensive study of the period under the Constitution.

   **ASSOCIATE PROFESSOR ANDREW.**

7. **AMERICAN CONSTITUTIONAL HISTORY.** First Semester: Tuesday, Thursday, Saturday, 8.

   Elective for Juniors and Seniors.

   **ASSOCIATE PROFESSOR ANDREW.**

8. **AMERICAN CONSTITUTIONAL HISTORY** (continued). Second Semester: at the same hours.

   The course is continuous throughout the year.

   It aims to develop a knowledge and an appreciation of American institutions and American principles upon which, as a background, to project the study of present-day practices and problems of American citizenship.

   The body of the course will naturally be an historical and expository study of the Constitution of the United States—its sources, formation, growth, and amendment. Among the subjects treated will be: state and local constitutional history, the creation of public opinion, the practices and problems of political parties, the rights, duties, and responsibilities of citizens and the economic and social aspects of citizenship.

   While the course has particularly practical value for those intending to enter teaching or the law, it will be found generally useful also to other professional men, to men practicing scientific engineering, to the business man, and to the ordinary citizen who expects to share in that leadership in the life of his community which it is the duty and the privilege of the educated man to take.

   Constitutional documents as texts; lectures, collateral reading, reports, quizzes, and discussions intended to stimulate political thinking.

   **ASSOCIATE PROFESSOR ANDREW.**
Courses of Instruction

Politics

5. Political Science. First Semester: Monday, Wednesday, Friday, 10.

This course is historical and critical, and deals with the origin and nature of the State, with the forms and functions of government, the organization of national and local governments, and party systems; special attention being given to the governments of Great Britain, France, and Germany, and their developments in recent years. Textbooks, assigned readings, lectures, and reports by the students.

Elective for Juniors and Seniors who have taken History 1 and 2.

Professor Black.

6. Political Science, continued. Second Semester: at the same hours.

Includes also a study and comparison of the features of American Government with foreign governments, a study of American political problems and conditions, and the international relations of the United States.

Elective for Juniors and Seniors who have taken Course 5.

Professor Black.

History of Art

Professor White

[1. Classical Art. First Semester: Monday, Thursday, Friday, 2.30.]

Particular attention will be given to Greek Sculpture.

Elective for Juniors and Seniors.

Given in alternate years.

[2. Classical Art. Second Semester: at the same hours.]

Particular attention will be given to Gothic Architecture.

Elective for those who have completed Course 1.

Given in alternate years.


Particular attention is given to Gothic Architecture and to Italian Painting.
Elective for Juniors and Seniors.  
Given in alternate years.

4. CHRISTIAN ART. Second Semester: at the same hours.  
Elective for those who have completed Course 3.  
Given in alternate years.  

Note: In these courses text-book outlines are supplemented with extra reading and with lectures illustrated with casts, photographs, color-prints, and lantern views. Along with the tracing of the development of art in its different homes and epochs, an effort is made to lay some foundation for true appreciation and correct taste.

ITALIAN  
MR. NELSON

1. ELEMENTARY COURSE. First Semester: Monday, Wednesday, Friday, 8.  
Elementary Grammar, easy composition, reading, and conversation. De Amicis, Cuore, and other selections will be read in the class.  
Elective for all students who have completed the required work in French and German, or Spanish.

2. CONTINUATION OF COURSE 1. Second Semester: at the same hours.  
Selected readings from modern authors. A brief survey of Italian literature. Conversation based on the Metodo-Berlitz.

JOURNALISM  
PROFESSOR LIBBY

The object of the course is to give to students who intend to make Journalism their profession an understanding of the work of writing news articles, preparing editorial matter, and of the ideals that should govern the editor in his work; and to such other students who elect the course a better understanding of the important part which newspapers are playing in educating the great masses of the people on subjects of national and international importance. Practical work of corresponding for State newspapers, interviewing men and women on various subjects, and preparing editorial matter for the College publications will be requirements.
A text-book will be used, and the reading of texts on journalism will be required.

1. **NEWS WRITING.** First Semester: Monday, Wednesday, Friday, 9.

   Prerequisite, Rhetoric 1, 3 or 2, 4.

2. **FUNCTION OF THE NEWSPAPER.** Second Semester: at the same hours.

   History of Journalism in the United States will form a background for the work of this Semester. The writing of editorial matter and special articles on assigned subjects will be required.
   Elective for those who have completed Course 1.

**LATIN**

**PROFESSOR TAYLOR AND ASSOCIATE PROFESSOR TREFETHEN**

1. **LIVY XXI.** First Semester: Monday, Wednesday Friday, 8.
   Required of men of the Freshman class, B.A. Course.
   **PROFESSOR TAYLOR.**

2. **LIVY I: AGRICOLA OF TACITUS.** First Semester: Div. A, Monday, Wednesday, Friday, 9; Div. B, Tuesday, Thursday, Saturday, 11.
   Required of women of the Freshman class, B.A. Course.
   **PROFESSOR TAYLOR.**
   **ASSOCIATE PROFESSOR TREFETHEN.**

3. **ODES OF HORACE.** Second Semester: at the same hours as Course 1.
   Required of men of the Freshman class, B.A. Course.
   **PROFESSOR TAYLOR.**

4. **ODES OF HORACE.** Second Semester: at the same hours as Course 2.
   Required of women of the Freshman class, B.A. Course.
   **PROFESSOR TAYLOR.**
   **ASSOCIATE PROFESSOR TREFETHEN.**
    Elective for Sophomores of both Divisions.
    Professor Taylor.

6. Cicero de Amicitia: Quintilian X, XII. Second Semester: at the same hours.
    Elective for Sophomores of both Divisions.
    Professor Taylor.

    First Semester: Monday, Thursday, Friday, 3:30.
    Elective for Juniors and Seniors of both Divisions.
    Given in alternate years.
    Professor Taylor.

8. Histories of Tacitus: Satires of Juvenal. First Semester: Monday, Thursday, Friday, 3:30.]
    Elective for Juniors and Seniors of both Divisions.
    Given in alternate years.
    Professor Taylor.

9. (a) Epistles of Horace. Second Semester: at the same hours.
    Elective for Juniors and Seniors of both Divisions.

(b) Cicero’s Orations: Vergil’s Aeneid. Second Semester: at the same hours.
    A practical course for prospective teachers.
    Elective for Juniors and Seniors of both Divisions.
    Professor Taylor.

MATHEMATICS

Professor Ashcraft, Associate Professor Carter, Associate Professor Trefethen, and Assistant Professor Runnals

1. Algebra. First Semester: Div. A, Monday, Wednesday, Friday, 8; Div. B, Monday, Wednesday, Friday, 9; Div. C, Tuesday, Thursday, Saturday, 8; Div. D, Tuesday, Thursday, Saturday, 9; Div. E, Monday, Wednesday, Friday, 9; Div. F, Tuesday, Thursday, Saturday, 9.
Courses of Instruction

A rapid review of the principal topics of preparatory Algebra, including graphical representation; the binomial theorem for any exponent, permutations and combinations, logarithms, determinants, the complex number, theory of equations, etc.

Required of the men of the Freshman class.

PROFESSOR ASHCRAFT.
ASSOCIATE PROFESSOR CARTER.
ASSOCIATE PROFESSOR TREFETHEN.

2. SAME AS COURSE 1. First Semester: Div. A, Monday, Wednesday, Friday, 9; Div. B, Tuesday, Thursday, Saturday, 9; Div. C, Tuesday, Thursday, Saturday, 10; Div. D, Monday, Wednesday, Friday, 9; Div. E, Tuesday, Thursday, Saturday, 9.

Required of the women of the Freshman class.

PROFESSOR ASHCRAFT.
ASSOCIATE PROFESSOR CARTER.
ASSOCIATE PROFESSOR TREFETHEN.
ASSOCIATE PROFESSOR RUNNALS.

3. SOLID GEOMETRY AND PLANE TRIGONOMETRY.
   (A) SOLID GEOMETRY. Second Semester: Div. A, Monday, Wednesday, Friday, 8; Div. B, Monday, Wednesday, Friday, 9; Div. C, Tuesday, Thursday, Saturday, 8; Div. D, Tuesday, Thursday, Saturday, 9.

   Includes original demonstrations and the solution of problems relating to the surfaces and volumes treated.

   Required of the men of the Freshman class who do not offer Solid Geometry for entrance.

   (B) PLANE TRIGONOMETRY. Second Semester: at the same hours as Course 3 (A).

   Trigonometric functions, and demonstrations of formulas; solution of right and oblique triangles, with practice in the use of logarithmic tables; problems and applications.

   Required of the men of the Freshman class who do not offer Solid Geometry for entrance.

   ASSOCIATE PROFESSOR CARTER.
   ASSOCIATE PROFESSOR TREFETHEN.

4. SOLID GEOMETRY AND PLANE TRIGONOMETRY.
   (A) SAME AS COURSE 3 (A). Second Semester: Div. A, Monday, Wednesday, Friday, 9; Div. B, Tuesday, Thursday, Saturday, 9; Div. C, Tuesday, Thursday, Saturday, 10.
Required of the women of the Freshman class who do not offer Solid Geometry for entrance.

(B) SAME AS COURSE 3 (B). Second Semester: at the same hours as Course 4 (A).

Required of the women of the Freshman class who do not offer Solid Geometry for entrance.

PROFESSOR ASHCRAFT.  
ASSOCIATE PROFESSOR CARTER.  
ASSOCIATE PROFESSOR TREFETHEN.  
ASSISTANT PROFESSOR RUNNALS.


Required of the men of the Freshman class who offer Solid Geometry for entrance.

PROFESSOR ASHCRAFT.

6. SAME AS COURSE 5. Second Semester: at the same hours as Course 5.

Required of the women of the Freshman class who offer Solid Geometry for entrance.

PROFESSOR ASHCRAFT.

7. ANALYTIC GEOMETRY. First Semester: Div. A, Monday, Wednesday, Friday, 8; Div. B, Monday, Wednesday, Friday, 10.

Study of the point, line, and conic sections; loci and their equations; elements of Analytic Geometry of space. Prerequisite for all subsequent courses.

Elective for Sophomores and Juniors.

PROFESSOR ASHCRAFT.  
ASSOCIATE PROFESSOR CARTER.

8. ELEMENTARY DIFFERENTIAL AND INTEGRAL CALCULUS. Second Semester: at the same hours as Course 7.

Differentiation of simple functions; application to curves; maxima and minima; integration as the inverse of differentiation; simple applications of integration to Geometry and Mechanics.

Elective for those who have taken Course 7.

PROFESSOR ASHCRAFT.  
ASSOCIATE PROFESSOR CARTER.
Courses of Instruction

9. **ADVANCED CALCULUS.** First Semester: Tuesday, Thursday, Saturday, 10.

Differentiation of the more complex functions; theorems of Taylor and Maclaurin; partial and total derivatives; integration by special methods and by the aid of a table; the definite integral, length of curves, areas, centres of gravity, etc.

**PROFESSOR ASHCRAFT.**

10. **DIFFERENTIAL EQUATIONS AND ANALYTIC GEOMETRY OF SPACE.** Second Semester: at the same hours.

A course involving calculus applications to space curves, surfaces, and volumes; the solution of ordinary differential equations of Mechanics and Physics.

Elective for those who have taken Course 9.

**PROFESSOR ASHCRAFT.**

11. **HIGHER ALGEBRA.** First Semester: Monday, Wednesday, Friday, 10.

Special topics of Algebra, such as determinants, series, symmetric functions of roots, etc., supplementing Course 1, 2. Solution of the cubic, the biquadratic, and $n$ linear equations in $n$ variables; eliminants and other invariants; covariants, etc.

In part a lecture course.

Elective for those who have taken Course 8.

**PROFESSOR ASHCRAFT.**

12. **ANALYSIS AND MODERN METHODS.** Second Semester: at the same hours.

A continuation of Course 11. Special topics of Analytic Geometry, supplementing Course 7; systems of coördinates; higher plane curves, making use of elementary Calculus; topics for teachers.

Elective for those who have taken Course 11.

**PROFESSOR ASHCRAFT.**

13. **MECHANICS.** First Semester: Monday, Wednesday, Friday, 10.

Statics; the composition, resolution and equilibrium of forces; stresses.

Problems solved analytically and graphically. Kinematics; the rectilinear and curvilinear motions of a particle.

Elective for those who have taken Course 8.

**ASSOCIATE PROFESSOR TREFETHEN.**
14. **MECHANICS.** Second Semester: at the same hours.

   Kinetics; the motion of a particle under the action of forces; work, energy, impulse, potential; dynamics of a rigid body.

   Continuation of Course 13.

   Elective for those who have completed that course.

   **ASSOCIATE PROFESSOR TREFETHEN.**

15. **SURVEYING.** First Semester: Tuesday, Thursday, Saturday, 10-12.

   Theory and use of instruments, with field and office work.

   Elective for Juniors and Seniors.

   **ASSOCIATE PROFESSOR CARTER.**

16. **CONTINUATION OF COURSE 15.** Second Semester: at the same hours.

   Elective for those who have taken that course.

   **ASSOCIATE PROFESSOR CARTER.**

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**PSYCHOLOGY, PHILOSOPHY, AND EDUCATION**

**PROFESSOR SAVIDES AND ASSISTANTS**

**Psychology**

1. **PSYCHOLOGY, GENERAL AND APPLIED.** First Semester: Tuesday, Thursday, Saturday, Div. A, 10; Div. B, 11.

   A study of consciousness, near-consciousness and behavior. Application of psychological theories and principles to education—including self-education,—and to life in general.

   Class assignments from text-books, outside reading, discussions and lectures. Part of the required reports will be on topics selected by each student after consultation with the instructor.

   Elective for Seniors, Juniors and a very few Sophomores.

2. **CONTINUATION OF COURSE 1.** Second Semester: at the same hours.

**Philosophy**

1. **HISTORY OF PHILOSOPHY.** First Semester: Monday, Wednesday, Friday, 8.
Courses of Instruction

A survey of philosophical thought from the times of the Greeks to our own. The greatest philosophers will receive particular attention. The interaction of philosophy and other factors of civilization will be brought out. Without neglecting the theoretical side, the course aims to demonstrate the value of philosophy to daily life. The students are expected not only to study philosophy but also to philosophize.

Class assignments from text-books, outside reading, discussions and lectures. Reports on problems, or topics, selected by each student after consultation with the instructors.

Elective for Seniors and a very few Juniors.

2. CONTINUATION OF COURSE 3. Second Semester: at the same hours.

Education

1. EDUCATIONAL PROBLEMS AND PRINCIPLES. First Semester: Monday, Wednesday, Friday, 11.

A survey of modern education with emphasis on such theory as will enable students to grapple with educational problems intelligently.

Class assignments from text-books, outside reading, discussions and lectures. Part of the required work will vary according to the individual needs and interests of the students. Regular meetings of the instructor with class representatives. Conferences with the instructor for students needing them.

Elective for Juniors and Seniors.

2. CONTINUATION OF COURSE 1. Second Semester: at the same hours.

Given in alternate years.

[3. HISTORY OF EDUCATION. First Semester: Monday, Wednesday, Friday, 11.]

A historical study of education with emphasis on the theory and practice of the greatest educators. Contemporary education will receive particular attention.

Class assignments from text-books, outside reading, discussions and lectures. Reports on problems, or topics, selected by each student after consultation with the instructor. Conferences with the instructor for those students who need them.

Elective for Seniors and Juniors.
PHYSICS

PROFESSOR WHEELER AND ASSISTANT PROFESSOR STANLEY

1. GENERAL PHYSICS. Men's Division. First Semester.
2. GÉNÉRAL PHYSICS. Women's Division. First Semester.
3. GENERAL PHYSICS, continued. Men's Division. Second Semester.
4. GENERAL PHYSICS, continued. Women's Division. Second Semester.

Physics 1, 2, 3, and 4 include two hours of lectures and recitations and one two-hour laboratory exercise per week. Div. A, Monday, Wednesday, 10; Div. B, Tuesday, Thursday, 10; Div. C, Tuesday, Thursday, 11. Laboratory hours, Monday, Tuesday, Thursday, Friday, 1.30-3.30.

General physics consists of fully illustrated courses of experimental lectures and recitations on the general principles of Mechanics, Properties of Matter, Heat, Sound, Light, Magnetism and Electricity, accompanied by practical work in the laboratory, in which the students perform for themselves experiments, chiefly quantitative, illustrating the subjects treated in the class-room.

The purpose of these courses is to acquaint the student with the fundamental physical principles whose discovery and application have made possible the development of the steam-engine, the steamboat and locomotive; the dynamo, modern lighting and electric transportation; the internal combustion engine, the automobile and the airplane; the telephone, telegraph, wireless communication and many other practical applications—principles concerning which it would seem that a college graduate should have at least a general knowledge. The courses are also designed to serve as a basis for further work in physics for those who intend to teach science, study medicine or prepare for the profession of engineering.

The work follows a standard text-book and specially prepared laboratory direction sheets.
Courses of Instruction

Courses 1 and 3 are required of B. S. Freshmen of the Men's Division; Courses 2 and 4 are required of B. S. Freshmen of the Women's Division. Elective for Sophomores, Juniors and Seniors.

PROFESSOR WHEELER.
ASSISTANT PROFESSOR STANLEY.

5. EXPERIMENTAL PHYSICS. First Semester: Div. A, Tuesday, Thursday, Saturday, 8-10; Div. B, Tuesday, Thursday, Saturday, 10-12.

Elective for those who have passed Mathematics 1 and 3 or 5, or 2 and 4 or 6, as well as Physics 1 and 3, or 2 and 4.

[6. EXPERIMENTAL PHYSICS, continued. Second Semester: at the same hours.]

Elective for those who have completed Physics 5.

Courses 5 and 6 treat more in detail the principles studied in Physics 1, 2, 3, and 4. Practice is afforded in setting up and adjusting delicate physical apparatus, in making precise physical measurements and in the judicious interpretation of results. The aim is to give some insight into the manner of carrying on scientific investigations. The greater part of the work will be in the laboratory, though recitations and lectures will be held occasionally. These courses are especially designed for those who intend to teach physics, or to study medicine or engineering; and they are required as preparation for the engineering courses, or for those who wish to enter with advanced standing the Massachusetts Institute of Technology or other technical schools.

PROFESSOR WHEELER.
ASSISTANT PROFESSOR STANLEY.

[7. THEORY OF HEAT. First Semester: Monday, Wednesday, Friday, 11.]

The purpose of this course is to give a more thorough training in the mathematical principles and refined measurements of thermal phenomena than is possible in the earlier courses. Its character is indicated by the following outline: the nature and difficulties of precise heat measurements, the variation of the physical properties of matter with temperature, the thermal behavior of actual gases and vapors as distinguished from ideal gases, the kinetic theory as extended to these
cases, the production and measurement of high and low temperatures, and the behavior of bodies under these conditions; laws of conduction, radiation, selective absorption, diathermancy, and general phenomena of radiant energy; the mechanical theory of heat, its inception, discovery, and import; fundamental principles of thermodynamics, and their application to useful processes other than those of heat engines. Some attention is paid to the historical side of the subject, as being an aid to a better understanding of the principles involved.

Elective for those who have completed Mathematics 8, and are pursuing Mathematics 9, and have passed Physics 1 and 3, or 2 and 4.

Given in 1923-24 and alternate years.

Professor Wheeler.

[8. THERMODYNAMICS OF HEAT ENGINES. Second Semester: at the same hours.]

This course is intended to give not only theoretical, but practical instruction. It is especially designed to supplement the electrical engineering courses, by giving what is essential to them of mechanical engineering. The course covers: the principles of the conversion of heat energy into mechanical power, in all forms of heat engines,—e.g., steam (including reciprocating and turbine engines) gas, vapor, oil, hot-air, and solar engines; mechanical refrigeration and air compressors; the essentials of the mechanism employed, valve gears, and engine tests. Some problems and the working up of an engine test are required.

Given in 1923-24 and in alternate years.

Elective for all who have completed Physics 7, and Mathematics 9.

Professor Wheeler.

9. MAGNETISM AND ELECTRICITY. First Semester, Wednesday, Friday, 9. Laboratory hours, Monday, 8-10.

Elective for Sophomores, Juniors and Seniors who have taken or are taking Mathematics 7 and Physics 5.

[10. MAGNETISM AND ELECTRICITY, continued. Second Semester: at the same hours.]

Elective for those who have completed Physics 9, and have taken or are taking Mathematics 8

Physics 9 and 10 cover more in detail than is
possible in the earlier courses the general principles of magnetism and electricity required for work in electrical engineering. The content of these courses may be indicated as follows: magnetic elements and measurements; testing magnetic qualities of iron; measurements of resistance and temperature coefficient of resistance; electrical resistance thermometers; use of standards of electromotive force, self and mutual inductance, and capacity; insulation and capacity tests; electrolytic conduction; discharge of electricity through gases, testing of rectifying and amplifying vacuum tubes; elementary theory of alternating currents; electrical oscillations and radiation; thermo-electricity; electric light photometry.

Professor Wheeler.
Assistant Professor Stanley.

11. Electrical Engineering. First Semester: Wednesday, Friday, 8; Laboratory hours, Wednesday, 1.30-3.30.

A review and further consideration of current flow in circuits; the laws of electromagnetism and of the magnetic circuit; construction, use and protection of electrical measuring instruments; laboratory determinations of the operating characteristics of direct current machinery; theory and practical management of direct current motors and generators; preparation of reports. Some attention will be paid to the theory, care and use of storage batteries.

Elective for those who have taken Physics 9 and 10.

Professor Wheeler.

[12. Elementary Alternating Current Engineering and Wireless Telegraphy. Second Semester: at the same hours.]

Laws of alternating current circuits; theory and operating characteristics including practical testing, of alternating current machinery; electrical waves and oscillations; telegraph, telephone and radio communication.

Elective for those who have taken Physics 11.

Professor Wheeler.


Radioactive substances; ionization of gases; methods of measurement or radiations from radio-
active bodies; alpha, beta and gamma rays; properties of these radiations; continuous production and decay of radioactive matter; theory of successive transformations; production of helium, general survey of uranium, actinium and thorium and their known products; general results and relations.

Elective for those who have completed Mathematics 8 and Physics 1 and 3, or 2 and 4.

Given in alternate years.          PROFESSOR WHEELER.

[14. Molecular Physics. Second Semester: at the same hours.]

The general character of this course is indicated by the following outline: sources of the modern theory of matter; methods of determining atomic sizes; X-rays and crystal structure; discovery and measurement of the electron; positive rays; the contribution of radioactivity to our knowledge of subatomic structure of matter; theories of the structure of the atom; the Rutherford atom.

Elective for those who have completed Physics 13.

Given in alternate years.          PROFESSOR WHEELER.

PUBLIC SPEAKING

President Roberts and Professor Libby

Students intending to pursue all the courses offered in this Department are strongly urged to elect courses in Latin, Greek, History, Economics, and Politics. Students should remember that public speakers must possess a knowledge of many things, and that all courses offered in the college curriculum contribute to their store of information. The suggested courses of study mentioned above are such as can best be studied under instructors, while the facts that should be gained from other important fields can be had from outlined courses of reading. The more advanced courses offered by the Department are intended as a means of increasing the students' power of usefulness in directing public opinion.

Students especially interested in the work of the Department may have fuller information about the courses offered, prizes to be contested for, and the various organizations allied with the
Courses of Instruction

Department, by applying for the Special Bulletin on Public Speaking issued by the College.

1. **PUBLIC SPEAKING.** First Semester: Wednesday, 1.30.
   - Drill in articulation and pronunciation. Careful study and analysis of selections read. Memorizing of poems.
   - Required of the men of the Freshman class.
   
   **PRESIDENT ROBERTS.**

2. **PUBLIC SPEAKING.** First Semester: Wednesday, 1.30.
   - Printed Lecture Notes with Exercises based upon the notes. Study of voice, posture, gesture, speaking.
   - Required of the women of the Freshman class.
   
   **PROFESSOR LIBBY.**

3. **PUBLIC SPEAKING.** Continuation of Course 1. Second Semester: Wednesday, 1.30.
   - Work of the semester ends with a prize declamation.
   - Required of the men of the Freshman class.
   
   **PRESIDENT ROBERTS.**

4. **PUBLIC SPEAKING.** Continuation of Course 2. Second Semester: Wednesday, 1.30.
   - Study of the Mental Processes in Speaking.
   - Work of the semester ends with a public prize reading.
   - Required of the women of the Freshman class.
   
   **PROFESSOR LIBBY.**

5. **PUBLIC SPEAKING, with special study of the theory of Argumentation and Debate.** First Semester: Monday, Thursday, Friday, 1.30.
   - The work consists of two distinct parts: viz, (a), a study of the theory of argumentation and debate, based upon Lecture Notes on Argumentation and Debating; and (b), preparation of briefs and arguments, classroom and public debates, and preliminary speaking in the annual Murray Prize Debate.
   - Elective for students of the Men's Division who have completed first-year English Composition.
   
   **PROFESSOR LIBBY.**
6. **PUBLIC SPEAKING. Second Semester:** at the same hours.

   The work consists of three parts: viz, (a), a study of voice culture; (b), platform work in class on subjects previously assigned, and preliminary Contest in the annual Hallowell Prize Speaking Contest; (c), lectures covering all kinds of public addresses, and a brief history of oratory.

   Elective for students who have completed Course 5.

   **PROFESSOR LIBBY.**

7. **PUBLIC SPEAKING. First Semester:** Monday, Thursday, Friday, 3.30.

   Essentially the same as Course 5, except that students will not be required to take part in the Murray Prize Debate, but will be required to debate before the student body on some proposition of general interest.

   Elective for students of the Women's Division who have completed first-year English Composition.

   **PROFESSOR LIBBY.**

8. **PUBLIC SPEAKING. Second Semester:** at the same hours.

   Essentially the same as Course 6, except that students will not be required to contest for the Hallowell Prizes but will be required to take part in the preliminary speaking for the Coburn Prizes.

   Elective for students of the Women's Division who have completed first-year English Composition and Course 7.

   **PROFESSOR LIBBY.**

9. **ADVANCED PUBLIC SPEAKING. First Semester:** Monday, Thursday, Friday, 2.30.

   The work of the course consists of the study of an approved text-book on the general subject of the writing and delivery of addresses, of the writing of at least four public addresses of approximately 3,000 words each, of giving one public address before the student body, of taking part in the preliminary speaking in the Goodwin Prize Speaking Contest, and of frequent conferences with the instructor. The primary purpose of this advanced course is to assist men who intend to follow professions such as the law, ministry, and public service in which much public speaking is demanded.
Courses of Instruction

Elective for men of the Junior and Senior classes who have completed satisfactorily Courses 5 and 6.

PROFESSOR LIBBY.

10. ADVANCED PUBLIC SPEAKING. Continuation of Course 9. Second Semester: at the same hours.

The work of the second semester consists largely of conferences. Three addresses of approximately 3,000 words each will be required. A careful study will be made of the structure of some of the great masterpieces of Oratory. At least one public address must be delivered during the semester. Students will be required to assist the Department in training men of other classes for public exhibitions.

Elective for those who have taken Course 9.

PROFESSOR LIBBY.

11. INTERCOLLEGIATE DEBATE. First and Second Semester, extending from the middle of November to the middle of April: Monday, 4.30, Tuesday, 3.30, Wednesday, 4.30.

The work of the course consists of an intensive study of the theory of argumentation, analysis of intercollegiate debate propositions, much platform work, and participation in intercollegiate debates.

The course is open to such students as show unusual ability in debate.

Counts as a three-hour semester course.

PROFESSOR LIBBY.

SPANISH

MR. NELSON AND MR. STRONG


A study of Spanish Grammar with abundant oral and written exercises. Reading, composition, conversation. The best features of the direct method are employed.

For requirements in Modern Languages, see pages 31-32.

MR. NELSON.

MR. STRONG.
2. **ELEMENTARY SPANISH**, continuation of Course 1. Second Semester: at the same hours.
   Translation of modern prose. Conversational Drill.
   Requirements same as in Course 1.  
   **Mr. Nelson.**  
   **Mr. Strong.**

3. **INTERMEDIATE SPANISH.** First Semester: Monday, Wednesday, Friday, 9.
   Translation of selected texts, such as Galdós, Marianela and Electra; Alarcón, El Capitán Veneno. Composition and conversation.
   Elective for students who have completed Courses 1, 2.

4. **INTERMEDIATE SPANISH.** Continuation of Course 3. Second Semester: at the same hours.

5. **COMMERCIAL SPANISH.** First Semester: Tuesday, Thursday, Saturday, 10.
   Commercial correspondence. Drill in oral composition. The vocabulary of every-day life is emphasized.
   Courses 1, 2 prerequisite.  
   **Mr. Nelson.**

6. **COMMERCIAL SPANISH, continued.** Second Semester: at the same hours.
   Courses 1, 2 prerequisite.  
   **Mr. Nelson.**

7. **SPANISH CLASSICS.** First Semester: Monday, Wednesday, Friday, 8.
   Cervantes (Selections from Don Quixote); Lope de Vega, and Calderón. Fitz-Maurice Kelley, History of Spanish Literature. A study is made of the main currents of Spanish literature from *El Poema del Cid* to the eighteenth century.
   Elective for students who have completed Courses 3, 4.  
   **Mr. Nelson.**

8. **SPANISH CLASSICS.** Second Semester: Continuation of Course 7, at the same hours.  
   **Mr. Nelson.**
PHYSICAL EDUCATION AND ATHLETICS

PROFESSOR EDWARDS

MR. MICHAEL J. RYAN, Coach of Track
MR. "WIN" SNOW, Coach of Football
MR. FRED PARENT, Coach of Baseball

Physical Education is required of all members of the Sophomore and Freshman classes. Members of these classes participating in the 'Varsity sports are excused from the work during the period of such participation. The work consists of gymnastic marching, posture exercises, co-ordinating exercises, calisthenics, group games, etc. In cases where it is advisable, individual work will be assigned. A physical examination of all members of the classes will be made at the beginning of each semester.


The equipment for Physical Education and Athletics consists of a Gymnasium, 70 x 45, containing Basketball court; adjoining are locker and shower rooms containing 250 new lockers and up-to-date shower baths. A fee will be charged each semester for locker and towel and laundry service. An up-to-date athletic field, known as Seaverns Field, with the best one-fourth mile cinder track in the State, one-hundred and two-hundred twenty yard straightaways; new concrete stadium, with seating capacity of 3,000; football and baseball fields. Inter-class and inter-fraternity leagues are promoted in most branches of sport.

TENNIS. Intercollegiate, inter-fraternity and inter-class tournaments are annually arranged.

COURSES OFFERED

1. PHYSIOLOGY. First Semester: Monday, Wednesday, Friday, 8.

   A general study of physiology of the human body. Recitations, lectures, and experiments.
   Elective for Sophomores, Juniors, and Seniors.

   PROFESSOR EDWARDS.

2. PHYSIOLOGY, HYGIENE AND SANITATION. Second Semester: at the same hours.
Continuation of Physiology 1, but with the addi-
tion of lectures, discussions of Sanitation and its
relation to health and disease.
Elective for students who have had Physiology 1.

PROFESSOR EDWARDS.

NOTE: A study of Personal Hygiene, dealing
with the care of the body in health and illness and
general topics of Hygiene in connection with the
group or community, will take the place of one
hour of Physical Education.
Required of Freshmen.

Athletics

This department is well organized and has adequate equip-
ment for representative 'Varsity sports. The recognized sports
for which awards of the Colby "C" are given to men who fulfill
the requirements are as follows: Football, Cross Country, Relay
Teams, Baseball, Track, Tennis. The organization of Basket-
ball and Hockey will presently require recognition by the Ath-
letic Council. The organization of the Outing Club for the
carrying on of winter sports increases the opportunities for a
wider participation in athletics.

TRACK AND FIELD. Directed by Mr. Ryan, Coach. Excellent
opportunities for cross country running, Relay Races, and Field
Sports. Participation in the Maine, New England, and Na-
tional Intercollegiate Championships; Boston Athletic Asso-
ciation games and the University of Pennsylvania Relay races.

FOOTBALL. Directed by Mr. "Win" Snow, Head Coach. The
schedule for 1922 consists of eight games with the following
colleges: Springfield, Boston University, Brown, Bates, Bowdoin,
University of Maine, Lowell Textile and Fordham.

BASEBALL. Mr. Fred Parent, Coach. This schedule consists
of about twenty games with colleges of New England. Details
of the schedule will be announced later.

HYGIENE AND PHYSICAL EDUCATION

MISS VAN NORMAN

PURPOSE. The Department of Hygiene and Physical Educa-
tion aims for the health of each individual student through
theoretical work in hygiene, anatomy and physiology together
with practical work in the gymnasium and out-of-doors, and through the establishment of right habits of living.

As food is important to health a trained dietitian now provides pure and well prepared foods in the dormitory so as to give each student the required number of calories per day.

**HEALTH LEAGUE.** Any woman upon matriculation in the Women's Division of Colby College shall automatically become a member of the Women's Health League.

The purpose of this League shall be to promote constantly and consistently health standards. This purpose shall be expressed in the motto of the League “Mens sans in corpore sano.” The League shall heartily cooperate with the college department of hygiene.

**EXAMINATIONS.** The needs of each student are ascertained by a careful medical and physical examination in the fall. From data carefully recorded at this time advice and prescription of physical exercises are given to assist the student to regain or retain the health of every organ of the body. To note improvement and give further advice students are re-examined in the spring or whenever found necessary.

When a student's physical condition is such that more time is necessary to regain health than the college curriculum permits, she may be asked to withdraw temporarily from the college until her condition justifies her return.

All illness must be reported to the Director of the Department at once.

All absences from academic work due to illness must be excused by the Director.

**EQUIPMENT.** Funds are now being secured to provide a suitable place for carrying on the work. This will include gymnasium with showers, dressing rooms, class-rooms, and swimming pool. At present a room in the basement of Foss Hall is available. Land in the rear of Foss Hall and Foster House has been graded and made into a hockey field which can easily be flooded for a skating rink in the winter. Two new tennis courts with substantial back-stops have been built in the rear of the Dunn property.

**NOTE:** All practical work in the department requires a costume. This should be purchased through the college before entering so as to secure
uniformity at the least expense and with as little delay to the work as possible.

THEORETICAL WORK

1. HYGIENE. First Semester: Monday, 1.30.
   A study of the proper management, protection and care of the human body for the preservation of health.
   Required of the women of the Freshman class.

2. HYGIENE. Second Semester: Monday, 1.30.
   A continuation of Hygiene 1.
   Required of the women of the Freshman class.

PRACTICAL WORK

   Required of Freshmen.

2. GYMNASTICS. Second Semester: at the same hours.
   Required of Freshmen.

   Required of Sophomores.

4. GYMNASTICS. Second Semester: at the same hours.
   Required of Sophomores.

5. GYMNASTICS. First Semester: Tuesday, Thursday, 2.30.
   Required of Juniors.

6. GYMNASTICS. Second Semester: at the same hours.
   Required of Juniors.

7. GYMNASTICS. First Semester: Tuesday, Thursday, 3.30.
   Required of Seniors.

8. GYMNASTICS. Second Semester: at the same hours.
   Required of Seniors.

NOTE: The gymnastic hour is devoted to practical floor drills, carefully selected and graded to meet the qualifications of each class, individual health exercises, apparatus work, folk and aesthetic dancing. The gymnastic hour is devoted
Courses of Instruction

to games in the fall and spring. In the fall such games as field hockey, tennis and volley ball are participated in. In the spring tennis and girls' baseball are played; skating and basket ball are open to the young women in the winter.

The indoor work ends with a gymnastic meet. Field Day closes the outdoor work in the spring.

COURSES SUGGESTED BY THE ECONOMICS DEPARTMENT FOR STUDENTS MAJORING IN ECONOMICS AND SOCIOLOGY

1. Business Administration

**FRESHMAN YEAR**

- Mathematics 1, 3 or 2, 4
- Public Speaking 1, 3
- *Latin 1, 3 or 2, 4: or
- †Physics 1, 3 or 2, 4
- English Composition
- Modern Language
- Bibliography A.

**SOPHOMORE YEAR**

- Economics 1, 2
- History
- English
- Modern Language
- †Geology 1, 2 or
- Chemistry 1, 2

**JUNIOR YEAR**

- Economics 3, 4 or 5, 6
- Modern Language
- Psychology 1, 2
- Journalism
- History

**SENIOR YEAR**

2. Commerce and Consular Service

**FRESHMAN YEAR**

- Public Speaking 1, 3
- Bibliography A.
- Mathematics 1, 3 or 2, 4
- *Latin 1, 3 or 2, 4: or
- †Physics 1, 3 or 2, 4
- Modern Language
- English Composition

**SOPHOMORE YEAR**

- Economics 1, 2
- English
- History
- †Geology 1, 2 or
- Chemistry 1, 2
- Modern Language

**JUNIOR YEAR**

- Economics 3, 4 or 5, 6
- History
- Modern Language
- Sociology 1, 2
- Psychology 1, 2

**SENIOR YEAR**

- Economics 5, 6 or 3, 4
- Sociology 3, 4 or 5, 6
- Political Science
- Philosophy
- Modern Language
3. Law

**FRESHMAN YEAR**
- Public Speaking 1, 3
- Bibliography A.
- Mathematics 1, 3 or 2, 4
- Latin 1, 3 or 2, 4
- English Composition
- Modern Language

**JUNIOR YEAR**
- Economics 3, 4 or 5, 6
- Sociology 1, 2
- History
- Political Science
- Foreign Language

**SOPHOMORE YEAR**
- Economics 1, 2
- History
- English
- Foreign Language
- Geology 1, 2

**SENIOR YEAR**
- Economics 5, 6 or 3, 4
- History
- Sociology 3, 4 or 5, 6
- Psychology 1, 2
- Foreign Language

4. Social Economics

**FRESHMAN YEAR**
- Mathematics 1, 3 or 2, 4
- *Latin 1, 3 or 2, 4: or
- †Physics 1, 3 or 2, 4
- Biology 1, 2
- English Composition
- Public Speaking 1, 3
- French or German

**SOPHOMORE YEAR**
- Economics 1, 2
- Sociology 1, 2
- English
- French or German
- †Geology 1, 2 or
- Chemistry 1, 2

**JUNIOR YEAR**
- Economics 3, 4 or 5, 6
- Sociology 3, 4 or 5, 6
- History
- English
- French or German

**SENIOR YEAR**
- Economics 5, 6 or 3, 4
- Psychology 1, 2
- Sociology 5, 6 or 3, 4
- History
- Political Science

*A.B. students are required to take Latin or Greek.
†B.S. students are required to take Physics and Chemistry.

**PRE-TECHNICAL COURSES IN SCIENCE**

To meet the growing demand for additional scientific training, and to prepare students in advanced work leading to technical courses in Mechanical, Civil, Electrical, Sanitary, and Mining Engineering, Architecture, and Medicine, the Board of Trustees, upon recommendation of the Faculty, in January, 1908, made a number of additions to the curriculum. These courses
Courses of Instruction

will be found described in detail under Mathematics, Drawing and Astronomy, Physics, Chemistry, Geology, and Biology.

Furthermore, arrangements have been made whereby students taking such courses, under the direction of the Faculty, will be admitted to advanced standing of at least Junior grade in the Massachusetts Institute of Technology, or other schools of similar excellence. In this way the combined College and Professional or Technical Courses may be completed in six years or less.

OUTLINED COURSE OF STUDY FOR PRE-MEDICAL STUDENTS

For pre-medical students who intend to remain but two years in college, the following courses are suggested.

FRESHMAN YEAR. Biology, Chemistry, French or German, Physics, and English Composition.

SOPHOMORE YEAR. Two courses in Chemistry (including Organic Chemistry and laboratory work); English, Physics (including laboratory work); Zoology (including vertebrate work and embryology).

ARTHUR JEREMIAH ROBERTS LECTURE FOUNDATION

On June 21, 1906, the late Hon. William Wallace Stetson gave the College a trust fund, to be known as the Arthur Jeremiah Roberts Lecture Foundation, the income of which amounting to two hundred dollars a year, is to be expended by the Trustees named in the trust agreement for the maintenance of a lecture course in the College. The speakers are to be chosen by the Trustees of the Foundation, and, in the language of the agreement, must be persons "who have done something worthy of mention, who have a message, and who can deliver it in such a manner as will be helpful to college students".

The lecturer for 1922 was Edward Howard Griggs, LL.D., of Croton-on-the-Hudson, New York.
EQUIPMENT

The College Buildings

Colby College is located in Waterville, on the west bank of the Kennebec River. The college buildings, thirteen in number, occupy an extensive campus in the northern part of the city, between College Avenue and the river.

MEMORIAL HALL

This building, erected as a memorial to the alumni of the College who fell in the service of their country during the Civil War, is located at the south end of the campus. It is built of gray stone and has a clock tower 80 feet in height. It contains the College Chapel and the College Library. On the first floor of the western wing is the Chapel. Above this is the Hall of the Alumni, now used as the reading-room of the Library. Here is found the Memorial Tablet to the soldier dead, surmounted by a copy, in marble, of Thorwaldsen's Lion of Lucerne. Here also are portraits of distinguished friends and benefactors of the college, and the bronze tablet erected by the New York Colby Alumni Association in memory of Edward Winslow Hall, LL.D., of the class of 1862, Librarian of the College from 1873 until his death in 1910. The eastern wing of the building contains the stack-room of the Library.

THE LIBRARY

The College Library occupies the second floor of the western wing of Memorial Hall and the entire eastern wing. The eastern wing contains a reading room, supplied with double alcoves and shelves for thirty-thousand volumes. It is open daily for the use of students and members of the faculty. The Seaverns reference room is on the second floor of the western wing, above the chapel. This room, 39 by 58 feet, provides attractive and well-lighted quarters for reading and study. The furnishings are of the most approved modern pattern, including tables and chairs for seventy-two readers. In this room are found the reference books, a general collection of twelve thousand volumes of special value to the student, the collection of bound
magazines—numbering about three thousand, and the current periodicals, of which the Library regularly receives about one hundred. Books selected by members of the Faculty for reading in connection with class work are reserved on special shelves conveniently located for the use of students. The library is a government depository and regularly receives a selection of the more important documents issued by the United States Government.

The Library contains more than fifty-nine thousand bound volumes and several thousand unbound pamphlets. Annual accessions average more than one thousand volumes.

The entire collection is classified by the Decimal Classification and is supplied with a dictionary card catalogue. Freshmen are given individual instruction in the use of the card catalogue, reference books, and the Reader’s Guide. The Librarian and his assistants are always ready to lend their aid to all users of the Library.

The Seaver’s reference room is open, during term time, on week days from 8.30 A.M. to 12 M., from 1.30 to 5.30 P.M., and from 7 to 9 P.M. On Sunday it is open from 2 to 5, and from 7 to 9 P.M. The reading room in the east wing is open daily, except Sunday from 1.30 to 5.30 P.M.

The library of the Department of History, located in the rooms of the department, numbers about 3,000 volumes, and is of special value to students of history.

CHAMPLIN HALL

This building is named after President James T. Champlin, D.D., LL.D., in recognition of his distinguished service while at the head of the College. It occupies a central position on the campus and is used as a recitation hall. It contains the class-rooms of the Departments of Greek, German, and History, and the Library of the Department of History; the collection of large photographs for the study of Art; a large room on the second floor newly fitted up and equipped with specially designed desks for the use of the classes in Mechanical Drawing.

CHEMICAL HALL

CHEMICAL HALL is thoroughly modern in plan and equipment. The building contains, on the first floor, a large laboratory, 36 x 54 feet in size, devoted to the work in General Chemistry;
a laboratory for quantitative analysis; a balance room; furnace and glass blowing room containing an apparatus for forced draft; a lecture room capable of seating one hundred persons in seats arranged in rising tiers and equipped with a lecture table provided with gas and electric service, and an excellent projection lantern; private laboratory and an office for the use of instructors; a stock room for lecture apparatus and chemicals, and a department library.

In the basement are the recently constructed laboratories for qualitative analysis and organic chemistry. The qualitative laboratory will accommodate sixty-four students and the organic laboratory thirty-eight. These rooms are well equipped in every way for their special work. A large apparatus room and two chemical stock rooms conveniently arranged are also located on this floor.

The Chemical Laboratories are well planned and equipped. Each student is provided with a table for individual work, and is supplied with the required apparatus and reagents. They are likewise equipped with a great variety of special apparatus consisting in part of analytical balances, molecular weight apparatus, spectroscopes, polariscopes, projection apparatus, Abbé Pebble Mill, centrifugal machine, physical and electro-chemical apparatus, furnaces of different types, etc.

In all, thirteen rooms in this building are devoted to the work of the Department of Chemistry.

The second floor of the building contains the President's office and lobby, the Faculty room, and four large class-rooms.

**SHANNON PHYSICAL LABORATORY**

The Shannon Observatory and Physical Laboratory constitutes one of the first gifts to the college from an honored alumnus and one of the most generous benefactors of Colby, the late Hon. Richard Cutts Shannon, LL.D., of the Class of 1862. In presenting the Shannon building to the college in 1889, he provided a greatly appreciated home for the Department of Physics, which occupies the main building, a two-story brick structure with basement. The southern portion of the building consists of a tower, surmounted by a dome in which is the Astronomical Observatory equipped, among other things, with an astronomical telescope of four-inch objective.

The Department of Physics is well equipped with the neces-
sary apparatus for a year's work in General Physics. It also possesses apparatus for advanced work in light, and a laboratory of standards for electrical and magnetic measurements.

There is on the first floor, a well-equipped laboratory for Electrical Engineering, containing both direct and alternating current dynamos and motors, transformers, and a well selected set of measuring instruments for this work; a smaller laboratory and workshop facilities. The lecture-room, offices of the department, and a large General Physics laboratory occupy the entire second floor of the main building. A wireless room, equipped with modern apparatus, is located in the tower.

COBURN HALL

COBURN HALL is so named in acknowledgment of benefactions from one of the most liberal friends of the College, Hon. Abner Coburn. The building is entirely devoted to the Departments of Geology and Biology. It is of rough quarried stone, with granite trimmings, the walls being 56 x 48 feet, and 41 feet high.

The Geological Laboratory is provided with collections to illustrate the lectures in Mineralogy, Geology, Paleontology, and Physical Geography. The Mineral Collection embraces over 3,500 specimens, including many that are well crystalized. The Paleontological Collection includes a suite of the most characteristic American fossils, and some of the foreign ones. The Geological Cabinet includes among other things Rosenbusch's set of 490 massive rocks and 100 European crystalline schists, and the U. S. Geological Survey educational series of 150 specimens of typical American rocks. The Department is well equipped with numerous lantern slides for the illustration of the geological lectures. A set of 175 crystal models affords opportunity for the study of crystallography.

The Biological laboratory occupies the second floor and one room on the first floor of the building. It is supplied with illustrative material for laboratory and lecture uses, consisting of charts, models and specimens, microscopes, microtomes, paraffin baths, lanterns, and both microscopic and lantern slides. Each student is supplied with a seat at a table and has the use of a compound microscope and instruments for dissection.
Colby College

RESIDENCE HALLS

Men's Division

CHAPLIN HALL, named in memory of Colby's first President, Rev. Jeremiah Chaplin, D.D., and SOUTH COLLEGE are brick dormitories, each eighty by forty feet and four stories in height. Each building accommodates about fifty students. The south half of Chaplin Hall is occupied by the Delta Upsilon fraternity and the north half by the Lambda Chi Alpha fraternity. South College is occupied by two fraternities, Zeta Psi and Alpha Tau Omega. Both buildings are heated by steam and lighted by electricity, and provided with toilet rooms and shower baths. In each of the fraternity divisions, the lower floor is arranged for social purposes with parlor, reception and reading room, and lobby, and the upper floors contain the chapter hall and the study and sleeping rooms of the students.

ROBERTS HALL, erected in 1911, and HEDMAN HALL, in 1914, are brick and stone buildings of the same plan, three stories high, furnishing accommodations for forty students each. The rooms are in suites, consisting of a large study, a bedroom and an ample closet. On every floor there is a toilet, with shower bath and lavatories. All rooms are provided with the necessities of furniture, a table, a chair and a cot and mattress for each student. Plans of the dormitories with schedule of charges for room rent will be provided upon application.

Women's Division

ELIZA FOSS HALL, the gift of Mrs. William H. Dexter, opened for students in September, 1905, stands on College Avenue, near the college campus. In addition to the well-furnished double and single rooms which accommodate seventy-five students, the building provides an Assembly Hall, an attractive reading room, and a room used as a gymnasium.

MARY LOW HALL is a smaller residents hall used for those who cannot be accommodated in Foss Hall; and DUTTON HOUSE is available for the same purpose. Mary Low Hall, formerly known as the Palmer House, is named in honor of Mrs. Mary Low Carver, the first woman graduated from Colby College. THE FOSTER HOUSE, adjacent to Foss Hall and for many years the home of the late Professor John B. Foster, is the latest dormitory to be added to those occupied by the women of the College.
ADMINISTRATIVE RULES

I. REGISTRATION

Students are required to register on Thursday, the opening day of the first semester, at the Registrar's office.

II. ADVISERS

Immediately after the Easter recess each student is assigned to one of the members of the faculty, who becomes his special adviser; so far as may be practicable, he is assigned to the particular member of the faculty whose experience is best calculated to aid him in the course of study he wishes to pursue and with reference to his preparation for his future career. It is the duty of this officer to find out the qualifications and needs of the students so assigned to him, and to keep himself informed as to their progress in their studies and as to their general moral and physical welfare.

President Roberts is the adviser for the Men's Division of the Freshman Class until Easter. The Dean of the Women's Division is adviser for the Women's Division of the Freshman Class until Easter.

III. ELECTION OF STUDIES

Each student is expected to consult with his adviser from time to time as to his college work, or any matter relating to his college life. Students must take a minimum of fifteen hours per week. Should a student desire to elect eighteen hours, he must secure the consent of his adviser, as well as that of the instructors of the courses he wishes to take. No student can take more than five courses unless during the previous semester his average rank has been 80% or more. A student deficient in one or more courses or in entrance may, with the consent of the Faculty, take six courses, even if his average rank during the previous semester has not been 80%. Freshmen, Sophomores and Juniors must elect studies for the following year on the Friday preceding final examinations. No student will be allowed to change his elections after the opening day of the college, except with the consent of his adviser and the approval of the Faculty.
IV. PETITIONS

Whenever a student has occasion to petition the faculty, he is required to do so in writing, stating the reasons for his request.

V. EXAMINATIONS

Oral or written examinations of all classes are to be held at the close of each semester. The final examinations of all classes end on the Friday before Commencement, with the exception of the Senior Class, whose final examinations end on the second Thursday preceding Commencement. If a Senior is permitted to take a course not open to Seniors, he shall take the regular examination of that course. No Senior shall be allowed to take any examination after the Friday next preceding Commencement week.

Examinations on deficiencies shall be held at the time of the semester examinations, and also on the third Wednesday of each semester.

VI. STANDING AND DEFICIENCIES

In making up a student’s mark, the emphasis is placed upon the daily work rather than upon the final examination.

The rank in each course for the semester is indicated on a scale of one hundred percent. “A” signifies a rank of ninety per cent. to one hundred per cent.; “B”, a rank of eighty per cent. to eighty-nine per cent.; “C”, a rank of seventy per cent. to seventy-nine per cent.; “D”, a rank of from sixty per cent. to sixty-nine per cent.; “E”, a rank of fifty per cent. to fifty-nine per cent.; “F”, a rank of less than fifty per cent.

A student who receives “E” as a semester mark in any course, fails in that course. If the deficiency is in a required course, he may repeat the course in class; or else prepare for a deficiency examination under a tutor approved by the instructor, such examination to be taken at the time specified for deficiency examinations. The student may not take such examination until his tutor has reported to the instructor that he is prepared to do so. In the case of an elective course the student may, by permission of the Faculty, substitute another course.

A semester mark of “F” signifies that the course cannot be made up by examination.

Incomplete work must be made up within limits prescribed
by the instructor, or the course shall be marked as a failed course.

At the end of the first half of each semester, a student whose rank in any course falls below sixty per cent. is warned thereof by the Registrar. A report of any student's deficiencies will, at the conclusion of each semester, be sent to him and his parents.

No student with more than three deficiencies shall enter the succeeding class, or be retained in college after the third Wednesday of the academic year.

Whenever, in the judgment of the Faculty, a student has proved himself unable or unwilling to do college work, or whenever for any other reason the Faculty judge it inexpedient that a student continue his college course, such student may be required to withdraw from college upon receiving due notice from the Faculty.

VII. RULES GOVERNING EXCUSES

All claims for excuses must be made at the Excuse Office on or before Saturday of the week following that in which the absence occurred. It is urged that excuses be obtained as early as possible after absence.

The power to grant excuses for absences lies wholly in the Excuse Officer.

Excuses for tardiness are to be made to the instructor in charge at the hour in which the tardiness occurred; otherwise it may be counted an unexcused absence.

When a student shall have taken four unexcused cuts in one course he shall be placed on probation. If at the end of the semester the student has a total of more than fifteen (15) unexcused cuts for all courses, the Excuse Officer shall report him to the Registrar as lacking 1-10 of a course for each cut above fifteen (15).

Such deficiencies may be made up either by taking fewer cuts a succeeding semester, in which case the student will receive 1-10 of a course credit for each absence less than fifteen (15) until the required number of hours are restored; or if not made up by improved attendance, an extra course shall be required for each ten points deficiency or fraction thereof.

Should a student make no attempt to secure an excuse, he may be summoned by the Excuse Officer to give an account for
his absence. If a student fails to appear in answer to a summons from the Excuse Officer, he will be on probation.

A student on probation shall not represent the college in any public way such as being on athletic squads, musical, dramatic, or debating clubs, boards of publication, or acting as cheerleader.

All consecutive absences just preceding or following a holiday or vacation shall count as two, unless previously granted by the Excuse Officer.

Absences shall count as zeros in all courses until the work is made up.

No excuses will be granted for an illness of one day. Where longer illnesses are involved, no excuses will be given for the first day of the illness except on a doctor's certificate.

The Excuse Officer may be found in Coburn Hall. Office hours will be scheduled.

The Women's Division

Registration. All women are required to register on the first Thursday afternoon of the college year at the registrar's office, Chemical Hall.

All women not living at home or with near relatives are required to live in the College residence halls. Exceptions to this rule are made only in the case of a few upperclass students who entered college before the fall of 1921 with the understanding that they might work their board in approved places.

An applicant is not entitled to an assignment of a room until she has paid a fee of $10, which will be credited upon her bill for subsequent charges. A similar fee is required of all students in college on renewal of application for each succeeding year. If the application should be withdrawn before August first, the money will be refunded.

Each student must provide her own rugs, bed linen, blankets, couch cover, window draperies, towels, four napkins and a napkin ring. These napkins will be turned over to the house manager and laundered with the general table linen. A fee of seventy-five cents will appear on each semester bill to cover expense of this laundering. Napkins should be plainly marked. The college provides couch beds and all necessary furniture. All rooms are supplied with electric lights.

The college houses are not open to students during vacation.
VIII. ELIGIBILITY

No student shall represent the college in any public way who has more than two deficiencies, of which only one can be from the preceding semester.

No student shall represent the college in any public way if he is doing unsatisfactory work in any course he is pursuing or is taking less than the minimum number of hours required.

A student degraded to a lower class shall not, for the period of one year, represent the college in any public way, unless sooner reinstated.

IX. PUBLIC WORSHIP

Men's Division

Chapel exercises are held in the College Chapel every day except Sunday at 9.50 A.M., with the following exceptions: On the opening day of the year, the Chapel hour is 9.00 A.M.; and during examination week, Chapel occurs at 8.30 A.M.

Students are expected to attend the daily Chapel exercises, and to attend public worship at least once on each Sunday of the college year.

Women's Division

Daily devotional exercises are held in the College Chapel at the close of the morning recitation (12.05 P.M.) with the exception of Thursday, the opening day of the year, when the Chapel service occurs at two o'clock in the afternoon. All students of the Women's Division are expected to be present at the daily Chapel exercises, and to attend public worship at least once on each Sunday of the college year. Excuses for absence from chapel must be presented to the dean. The student government proctors collect at the beginning of each month a record of every student's church attendance for the preceding month.

REGULATIONS OF COLBY COLLEGE WITH REGARD TO THE USE AND OCCUPANCY OF DORMITORIES OF MEN'S DIVISION

1. Payment for dormitory room is to be made as follows: $10.00 shall be paid at the time of engaging the room, and of the balance of the yearly rental one-half shall be included in the
Charges of the first semester and one-half in the charges of the second semester. All payments shall be made at the Treasurer's office. Rooms in Roberts Hall and Hedman Hall shall be assigned by the Superintendent of Buildings and Grounds; rooms in the divisions of North College and South College and in Number 31 College Avenue occupied by fraternities shall be assigned by such fraternities who shall report such assignments to the Superintendent of Buildings and Grounds.

2. Rooms will be open for occupancy by tenants one week before the opening of the fall term, forty-eight hours before the close of the Christmas vacation and forty-eight hours before the close of the Easter vacation unless special arrangement otherwise is made with the Treasurer for the use of the rooms during vacation. They will be closed twenty-four hours after the commencement of the Christmas and of the Easter vacations and forty-eight hours after the close of the college year.

3. The College will heat and care for all rooms in Hedman Hall and in Roberts Hall and will heat all rooms in North College and in South College and in Number 31 College Avenue. All tenants shall have equal rights in the privileges furnished to the tenants in common.

4. Rooms are engaged for the entire academic year. Withdrawal from College does not impair the obligation of this agreement.

5. A room once engaged cannot be sublet except through the Treasurer of the College and with his approval of the new tenant. Rooms assigned to applicants for admission to the College who fail of admission at the entrance examinations may be relinquished without payment, and any money which has been deposited will be returned, provided written application for such relinquishment is made to the Treasurer not later than ten days after the opening of the fall term.

6. Alterations or changes in rooms or appurtenances are not allowed except when made with the approval of the Treasurer, and by the mechanics in the employ of the College. Decorations must not be fastened to the walls, doors or casings in such a way as to cause injury. The driving of tacks and nails into the wood work or the gumming of any article to the wall is prohibited. Moore's Push Pins or their equivalents, with the exception of Pins Numbered 27 and 28, which are not allowed, may be used in the plaster. All electric wiring in the
rooms must be done with the approval of the Treasurer and by an electrician employed by the College, the occupant paying the expenses thereof. Moulding supplied by the occupant will be installed by the College free of charge. All damages to rooms shall be paid for by the occupant whether the damage is done by the occupant of the room or by others. Damage to hallways, toilet rooms, unused rooms, etc., is to be paid for proportionately in the case of damage in Hedman Hall or in Roberts Hall by all the occupants of rooms in those Halls respectively in which the damage is done, and in case of damage in North College and in South College proportionately by all the occupants of rooms in the respective divisions in which the damage is done and in Number 31 College Avenue proportionately by all the occupants of rooms in said building. Such occupant can be freed from this charge by giving to the Treasurer the name of the person or persons who did the damage.

The Superintendent of Buildings and Grounds shall determine whether or not damage has been done and the amount of the same and his determination thereof shall be accepted.

7. Any occupant of a room who shall damage a building or its appurtenances, except by accident, or whose conduct is considered to be detrimental to the best interests of the other students or to the College, may be required by the President of the College to vacate his room. In such case payment of one-half the unearned rental must be made by the student.

8. No student is allowed to keep a dog or any other animal in his room.

9. While repairs and cleaning are in progress in vacation, the College will use reasonable care to protect property left in the rooms, but it remains there solely at the risk of the owner.
EXPENSES AND FEES

Men's Division

The regular charges per semester are: for tuition $45, and for term expenses, including library, gymnasium, and other incidentals, $15, making a total of $60 a semester. Room rent for students living in the Chapter Houses on the Campus is $30 a semester and for students living in Hedman Hall and in Roberts Hall from $30 to $35 a semester. Each student pays from $3 to $6 a year for electric lights.

The students' subscriptions to the Athletic Association and to the Library of the Department of History, and the cost of outlines and laboratory materials used in the courses in science, are, by request, placed on the term bills. The bills are presented at the beginning of the semester, and payment is required on or before the fourth Thursday of each semester. Unless payment is made at this time, students will be excluded from college classes until the obligation is met.

Table board may be obtained in the city from $5.00 to $7.00 per week.

Women's Division

The tuition for all students is $45 a semester, in addition to $15 a semester for incidental expenses, making a total of $120 a year. For students living in Foss Hall, the total charge for tuition, board, and furnished room is $395 a year, for those in Mary Low Hall, and in Dutton House $385 a year. There is a charge of $6.00 a year for electric lights for all those living in women's dormitories. One-half of the annual charges for tuition, board, and room rent is due at the beginning of each semester and must be paid on or before the fourth Thursday of the semester, and if not, the student will be excluded from college classes until such payment is made. If a student be compelled by illness or other necessity, to leave college before the end of a semester, the charge for that semester will be $12 a week for the time spent in college. No deduction will be made for absence except in cases of prolonged illness.
Expenses and Fees

Laboratory Fees

Laboratory fees are charged in the courses in science as follows: Physics: Courses 1, 2, 3, and 4, $3 per semester; Courses 5, 6, 9, 10, 11, and 12, $5 per semester; Chemistry: Courses 1, 2, 3, 4, $5 per semester; Courses 5, 6, 7, 8, $6 per semester; 9, 10, $7.50 per semester; Courses 15, 16, 17, 18, $6 per semester; Geology: Courses 1, 2, 5, 6, $3 per semester; Courses 3, 4, $2 per semester; Biology: Courses 1 and 2, and Zoölogy 2, $3 per semester; Zoölogy 1, $1 per semester; and Zoölogy 3 and 4, $4 per semester, Zoölogy 5, 6, $5 per semester.

Self-Help

The College pays for student service on the Campus and at Foss Hall more than five thousand dollars a year, giving employment to more than fifty young men and women. Colby is situated in the heart of a thriving city of twelve thousand inhabitants, and employment outside the College is abundant. The College is aided by the cooperation of a great number of interested friends throughout the city.

Prospective students who desire specific information about scholarship aid and opportunities for self-help are requested to communicate with the President of the College.
SCHOLARSHIPS

The College has at its disposal seventy-six endowed scholarships, amounting to $128,500. The income of these scholarships, varying from $30 to $50 per annum, is devoted to the assistance of worthy students needing aid, under the following conditions, established by the Board of Trustees:

1. The student must satisfy the Committee on Scholarships that he is in need of assistance.
2. The student must be in constant attendance upon college work, unless prevented by reasons satisfactory to the Faculty.
3. The student must obey the College laws, and aid will be withdrawn for any and all semesters when he is under discipline.
4. The student must hold himself ready to render such light service to the College as may not interfere with his duties. To those who reside in the city and do not occupy a room in the college buildings, the scholarship aid is limited to twenty-five dollars for each year.

LIST OF SCHOLARSHIPS

Complete Scholarships

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<th>Name</th>
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### Scholarships

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**To be held in trust and for ever kept intact, the income of which is to be distributed by the Faculty, subject to the supervision and control of the Trustees, to such students as require assistance, but to no student shall be given more than one hundred dollars a year.**
<table>
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<td>Freeport Baptist Church</td>
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<td>Kingman Nott Robins, Mrs. A. W. Esleeck</td>
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<td>J. I. Stevens</td>
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<td>Wadsworth</td>
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<td>Adam Wilson</td>
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**Incomplete Scholarships**

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<td>Livermore Falls</td>
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<td>Liberty</td>
<td>B. D. White and wife, M. J. Kelley, and Liberty Baptist Church</td>
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**Total**: $128,500.00
PRIZES

Commencement Prizes of Thirty Dollars

A prize of fifteen dollars is awarded on Commencement Day to the Commencement Speaker, Men's Division, for excellence in English Composition.

A prize of fifteen dollars is awarded on Commencement Day to the Commencement Speaker, Women's Division, for excellence in English Composition.

Junior Exhibition Prizes of Fifty Dollars

A first prize of fifteen dollars and a second prize of ten dollars, are awarded to the two speakers in the Junior Exhibition, Men's Division, for excellence in declamation and composition.

A first prize of fifteen dollars and a second prize of ten dollars, are awarded to the two speakers in the Junior Exhibition, Women's Division, for excellence in declamation and composition.

Sophomore Declamation Prizes of Thirty Dollars

A first prize of ten dollars and a second prize of five dollars are awarded to the two speakers in the Sophomore Declamation, Men's Division, for excellence in declamation.

A first prize of ten dollars and a second prize of five dollars are awarded to the two speakers in the Sophomore Declamation, Women's Division, for excellence in declamation.

Hamlin Prizes of Thirty Dollars

A first prize of ten dollars and a second prize of five dollars are awarded to the two speakers in the Hamlin Prize Speaking Contest, Men's Division, for excellence in public reading.

A first prize of ten dollars and a second prize of five dollars are awarded to the two speakers in the Hamlin Prize Speaking Contest, Women's Division, for excellence in public reading.

Foster Memorial Greek Prizes of Forty Dollars

(In memory of the late Professor John B. Foster.)

A prize of twenty dollars to a student of the Men's Division, for marked excellence in the work of interpreting Greek
Prizes

Authors; to be awarded at the end of the college course upon a basis of not less than four semester-courses.

A prize of twenty dollars to a student of the Women's Division, for marked excellence in the work of interpreting Greek Authors; to be awarded at the end of the college course upon a basis of not less than four semester-courses.

**German Prizes of Thirty Dollars**

A first prize of ten dollars and a second prize of five dollars to members of the Men's Division for excellence in the courses in German.

A first prize of ten dollars and a second prize of five dollars to members of the Women's Division for excellence in the courses in German.

**Freshman Scholarship Prizes of One Hundred and Fifty Dollars**

A first prize of fifty dollars and a second prize of twenty-five dollars are awarded to the two members of the Freshman Class, Men's Division, who have maintained the highest average in their courses during the Freshman Year.

A first prize of fifty dollars and a second prize of twenty-five dollars are awarded to the two members of the Freshman Class, Women's Division, who have maintained the highest average in their courses during the Freshman Year.

**Class of 1888 Prizes of One Hundred Dollars**

A first prize of thirty-five dollars for the best thesis written by a Senior, Men's Division, on subject to be announced.

A first prize of thirty-five dollars for the best thesis written by a Senior, Women's Division, on subject to be announced.

A first prize of thirty dollars for the best thesis written by a Junior in the Men's Division, on subject to be announced.

**The Albion Woodbury Small Prizes of One Hundred Dollars**

Prizes amounting to *One Hundred Dollars*, derived from a fund given by Lina Small Harris of Chicago, in the name of her father, Albion Woodbury Small, of the class of '76, former President of Colby and now Professor of Sociology in the University of Chicago, are available to students pursuing work in the field of economics and sociology.

A first prize of fifty dollars will be given to the student in the
Men's Division who presents the best essay on some subject to be announced by the Department of Economics.

A first prize of fifty dollars will be given to the student in the Women's Division who presents the best essay on some subject to be announced by the Department of Economics.

The Hallowell Public Speaking Prizes of One Hundred Dollars

Special prizes aggregating One Hundred Dollars, the gift of Florentius Merrill Hallowell, of the class of 1877, of Kearney, Nebraska, are made available to the College for the encouragement of Public Speaking.

The prizes are open for competition to all students electing Public Speaking 6.

The following rules shall govern the awarding of these prizes:

1. A speaking contest shall be held, prior to the public exhibition, in which all students electing Public Speaking 6 are required to participate. Of those contesting, twelve shall be chosen to take part in the final exhibition.
2. The addresses shall be original.
3. The addresses shall be of not over six minutes in length.
4. The judges shall award the several prizes on the basis of 50 points; of which Interpretation shall count 25, Appearance, 15, and Pronunciation, 10.
5. The awards shall be as follows: First Prize, $50; second prize, $25; third prize, $15, fourth prize, $10.

The Murray Debating Prizes of One Hundred Dollars

The sum of One Hundred Dollars has been given to the College to stimulate an interest in Debating. The donor of this gift is George Edwin Murray, of the class of 1879, of Lawrence, Massachusetts.

The prizes are open for competition to all students electing Public Speaking 5.

The following rules shall govern the awarding of these prizes:

1. Students shall be required to prepare a written argument on a question to be submitted by the instructor in charge and to deliver an excerpt from this argument before a board of judges. The written argument shall count 50 points and the
oral work, 50 points. Of those competing six shall be selected for the final debate.

2. A public debate shall be held as soon after the end of the First Semester as possible at which time the six debaters shall be assigned to teams representing the affirmative and negative sides of the question for discussion.

3. Three judges, to be selected by the President of the College, shall pass upon the merits of the debate.

4. The judges shall award the prizes on the basis of 50 points; of which Value of Argument shall count 25, Appearance, 15, Pronunciation, 10.

5. The awards shall be as follows: to the winning team, $75 shall be given, the same to be divided equally among the three speakers; to the losing team, $25 shall be given, the same to be divided equally among the three speakers.

The Lyford Public Speaking Prizes of One Hundred Dollars

Special prizes aggregating One Hundred Dollars, the gift of Will Hartwell Lyford, of the class of 1879, of Chicago, Illinois, are made available to the College and are open to young men attending preparatory schools in Maine, New Hampshire, and Massachusetts. The chief object of the prizes is to encourage public speaking, and the awards will be made for general excellence in declamation.

The following rules shall govern the awarding of these prizes:

1. The students offering themselves in competition for these prizes must file application, furnished by the Public Speaking Department, at least one month before the date set for the contest.

2. Selections rendered shall be of not over six minutes in length.

3. Contestants are required to speak excerpts from orations or addresses delivered by well known public speakers in comparatively recent years.

4. The judges shall award the several prizes on the basis of 50 points; of which Interpretation shall count 25, Appearance, 15, and Pronunciation, 10.

5. Three judges, to be selected by the President of Colby College, shall pass upon the merits of the speaking.
6. The awards shall be as follows: First prize, $50; second prize, $25; third prize, $15; fourth prize, $10.

The Goodwin Public Speaking Prizes of One Hundred Dollars

Special prizes aggregating *One Hundred Dollars*, given in memory of Hon. Forrest Goodwin, class of 1887, of Skowhegan, Maine, are made available to the college and are open to all students in the Men's Division.

The following rules shall govern the awarding of these prizes:

1. A contest preliminary to the public exhibition shall be held in which contestants shall present to a board of judges an original written address of not over ten minutes in length, and shall memorize and deliver an excerpt from this address of not over three minutes in length. The written address shall be judged on the basis of 50 points and the spoken excerpt, 50 points. The eight students ranking highest in the preliminary contest shall be appointed to the final contest.

2. A final contest shall be held at which time the eight successful contestants shall deliver the addresses in full. A board of three judges shall pass upon the merits of the speaking, and shall award their decision upon the basis of 50 points, of which Interpretation shall count 25; Appearance, 15; Pronunciation, 10.

3. The awards shall be as follows: First Prize, $50; Second Prize, $25; Third Prize, $15; Fourth Prize, $10.

4. A general subject, phases of which the contestants will be expected to treat, shall be announced each year.

The Coburn Prizes of Fifty Dollars

Special prizes aggregating *Fifty Dollars*, the gift of Louise Helen Coburn, of the class of 1877, are made available to the College for the encouragement of public speaking among the women of Colby.

The following rules shall govern the awarding of these prizes:

1. The contest shall be open to all members of the Women's Division.

2. A contest preliminary to the public exhibition shall be held in which contestants shall present to a board of judges an original written address of not over ten minutes in length, and
shall memorize and deliver an excerpt from this address of not over three minutes in length. The written address shall be judged on the basis of 50 points, and the spoken excerpt, 50 points. The eight students ranking highest in the preliminary contest shall be appointed to the final contest.

3. A final contest shall be held at which the eight successful contestants shall deliver the addresses in full. A board of three judges shall pass upon the merits of the speaking, and shall award their decision on the basis of 50 points, of which Interpretation shall count 25, Appearance, 15, and Pronunciation, 10.

4. The awards shall be as follows: First prize, $25; second prize, $15; third prize, $10.
DEGREES

The degrees of Bachelor of Arts and Bachelor of Science are conferred by the Board of Trustees, on the recommendation of the Faculty, upon those who have completed the courses respectively required.

1. Bachelor of Arts and Bachelor of Science With Distinction

The Degree of Bachelor of Arts and Bachelor of Science with Distinction is awarded in three grades: with Distinction (cum laude), with High Distinction (magna cum laude), with Highest Distinction (summa cum laude).

Cum Laude. Students who attain a rank between eighty-eight and ninety-two percent throughout their college course will be recommended for a degree of cum laude.

Magna Cum Laude. Students who attain a rank between ninety-two and ninety-five percent throughout their college course will be recommended for a degree of magna cum laude.

Summa Cum Laude. Students who attain a rank of ninety-five percent or more throughout their college course will be recommended for the degree of summa cum laude.

Marked Distinction. If at any time a student who has not obtained one of the cum laude grades should attain a rank of ninety-five percent in any department, such student may upon recommendation of the head of that department, and at the discretion of the Faculty, be mentioned on the Commencement Program as having attained Marked Distinction in that particular department.

2. Master of Arts

The degree of Master of Arts will be conferred upon two classes of candidates as follows:

1. Upon graduates of this college who have spent one year in residence at this College pursuing two approved courses of study in different departments; one, a Major Course, must be equivalent to at least two-thirds of the work of a college year, and the other, to be known as a Minor Course, must be equivalent to the work of one-third of a college year. In addition, the candidate must prepare a satisfactory thesis, which is related to the work of his Major Course.
2. Upon those non-resident candidates, who have been graduates of this College for a period of not less than two years, and who have fulfilled all the conditions with regard to courses of study, examinations, and thesis specified in the first paragraph.

Each candidate for this degree must register his name, address, and courses of study with the Secretary of the Faculty not later than the first of October in the year in which he begins his study. His selection of courses must have the approval of the professors of those departments to which they are related, and of the Faculty Committee on Graduate Students. His thesis must be submitted not later than the fifteenth of May of the year in which he desires to be examined for the degree, and must meet with the approval of the professor in charge of his Major Course and of the Faculty Committee on Graduate Students. A copy of the thesis, printed or typewritten, on paper of commercial size, must be deposited in the College Library by the candidate.

All candidates for this degree will be charged a tuition fee of $100 a year. An additional charge will also be made for the use of laboratory supplies.

In consequence of action taken by the Board of Trustees in 1893, the class of 1896 is the last upon whose members the degree of M. A. may be conferred "in course".

THE PHI BETA KAPPA SOCIETY

A charter for the Beta Chapter of Maine was granted to Colby College in 1895. The object of the Phi Beta Kappa Society is the promotion of scholarship and friendship among students and graduates of American Colleges. The conditions of membership are:

"Within the limits prescribed by the Constitution, viz: that no more than one-fourth of the entire number of graduates for any year shall be elected, only those students shall be eligible whose average rank in all courses upon the records of the College at the end of the first semester of the senior year shall be eighty-eight per cent."

"Further, each Division of Colby College (Men's and Women's) shall be entitled, within the charter limit, to the number of members proportional to the number of graduates in each Divi-
sion of the College. In other words, not more than one-fourth of the graduates of each Division are eligible to active membership in the Chapter, and of this number, only those who have attained an average rank of eighty-eight per cent.

“In the case of students who have been admitted from other colleges to advanced standing in Colby College, no one shall be eligible to membership in the Chapter who has not spent, at least, the last two years of his course at Colby College; and in such cases, the rank attained at other colleges shall not be taken into account.” (By-laws, Art. III, Sec. 1.)

Election to membership takes place within one month after the close of the first semester of the senior year, and a public service of recognition is held, at which time an address is delivered by some speaker of reputation who is a member of the Society.

The Secretary and Treasurer of the Chapter is Professor Charles P. Chipman.
STUDENT ORGANIZATIONS

The Colby Christian Association

The Association is organized on the same plan as those in most other colleges in the country and is affiliated with the Student Department of the International Young Men's Christian Association. Any Christian student may become an active member of the organization. The C. C. A. while primarily a religious organization, aims to broaden out into all the activities of the college. It exists for the general building up of a wholesome life on the campus in every particular. The expenses of the organization are met by contributions by the members.

Meetings are held every Tuesday night from 7:30 to 8. Usually there is some outside speaker who has a convincing message for college men, and other times a discussion is held among the students upon some campus problem or vital question.

Interest in Missions is stimulated by Mission study and by occasional addresses by missionaries and secretaries, affording opportunities for conference to those who are considering Missions as their life-work. The Student Volunteer Band is composed of those who have really decided to become missionaries.

One of the important duties of the C. C. A. is sending deputation teams of three or four men to various churches throughout the state, or to the Fairfield Sanitarium where they conduct religious services. This evangelistic work is much appreciated and does a great deal of good.

The Association has charge of the publication of the Colby Handbook which is given to all students of both Divisions. It is a very useful little book, full of information about the College.

The Association sends delegates to the Maine College and Preparatory School Conference, to the Eastern College Presidents' Conference and to the Intercollegiate Conference at Silver Bay, New York.

Officers for 1922-1923: President, Marlin D. Farnum, '23; Vice-President, Joseph C. Smith, '24; Secretary, Stanley G. Estes, '23; Treasurer, William J. McDonald, '24; Faculty Advisers, Professors Brown and Edwards, and Mr. Newman.
The Young Women's Christian Association

Almost all the students of the Women's Division are members of the Association, which, like most of the college associations, is affiliated with the National Board. Members of evangelical churches are eligible to active, others to associate membership.

The Association maintains regular meetings for prayer and conference, provides classes for Bible study and for Mission study, which are well attended and which help to maintain the religious life of the college.

A membership fee of one dollar is charged to provide money to meet the actual expenses of the association.

Officers for 1922-1923: President, Louisa K. Tilley, '23; Vice-President, Anna C. Erickson, '24; Secretary, Mary A. Watson, '24; Treasurer, Louise L. Steele, '23.

The Colby Oracle

Officers for 1922-1923: Editor-in-chief, John R. Gow, '23; Managing Editor, Charles M. Treworgy, '23; Business Manager, James H. Morse, '23; Art Editor, Myrtice E. Swain, '23.

The Colby Echo

The Colby Echo is a weekly publication devoted to the interests of the student body of the College.


The Colbiana

The Colbiana is a quarterly magazine issued by the students of the Women's Division.

Officers for 1922-1923: Editor-in-chief, Ethel M. Alley, '23; First Assistant Editor, Evangeline W. York, '24; Second Assistant Editor, Alice Hilda Worthan, '24; Literary Editors: Thelma Powers, '23, Anna C. Erickson, '24, Elizabeth B. Kingsley, '25; Art Editor, Marion D. Brown, '24; Joke Editor, Mary C. Ford,
Colby Alumnus

A quarterly magazine devoted largely to the interests of the graduates of the College and to the more important interests of the institution.

Edited by Professor Herbert Carlyle Libby, Litt.D., of the class of 1902.

Athletic Association

Officers for 1922-1923: President, Arthur L. Berry, '23; Secretary, John A. Barnes, '24; Treasurer, Prof. T. B. Ashcraft; Senior Councilman, Harold S. Goldsmith, '23; Junior Councilman, John A. Barnes, '24; Faculty Representatives, Professors Parmenter and Ashcraft; Alumni Representatives, A. F. Drummond, '88, and George F. Terry, Jr., '22; Baseball Manager, Arthur G. Eustis, '23; Football Manager, John L. Dunstan, '23; Track Manager, Ronald W. Sturtevant, '24; Cheer Leader, Albert G. Snow, '23.

Colby Health League

Officers for 1922-1923: President, Doris E. Wyman, '23; Vice President, Ruth A. Allen, '24; Secretary-Treasurer, Leonette M. Warburton, '23.

Student League

Officers for 1922-1923: President, Melva M. Mann, '23; Vice President, Marion L. Cummings, '24; Secretary, Annie Brownstene, '24; Treasurer, Marjorie A. Kemp, '24.

Literary Society

Officers for 1922-1923: President, Myrtice E. Swain, '23; Vice President, Celia I. Clary, '24; Secretary, Genevieve Clark, '24; Treasurer, Marguerite Starbird, '23; Sergeant-at-arms, Marjorie E. Lebroke, '25.
Colby College

Colby Musical Clubs

Officers for 1922-1923: President, Floyd T. McIntire, '23; Manager, Theodore C. Bramhall, '24; Secretary, George T. Nickerson, '24.

Colby Debating Society

Composed of members of the undergraduate body, both Divisions. All intercollegiate debating contests are under its general supervision. Holds regular meetings during the year at which debates among its members are the chief feature.

Pi Kappa Delta

Pi Kappa Delta is a national honorary forensic society composed of between 50 and 100 Colleges, Colby being the only representative east of Ohio. Membership is limited to students who have taken part in at least one intercollegiate debate or oratorical contest.

Officers for 1922-1923: President, Basil B. Ames, '23; Secretary, John Leslie Dunstan, '23; Treasurer, Stanley Goddard Estes, '23.

Colby Press Club

Composed of students of the College and Faculty representatives who are corresponding for newspapers and religious journals. The Club meets three time a week.

Student Council

A general advisory body for the undergraduates of the College, Men's Division.
GRADUATE ORGANIZATIONS

The General Alumni Association


Boston Colby Alumni Association

Officers for 1922-1923: President, E. T. Wyman, '90; Vice Presidents, R. L. Emery, '06, H. D. McLellan, '95; Treasurer, A. L. Goodwin, '02; Secretary, Burr F. Jones, '07; Assistant Secretary, A. R. Rogers, '17; Executive Committee: Henry Dunning, '82, William N. Donovan, '92, Carl R. Bryant, '04.

Atlantic States Colby Alumni Association


Connecticut Valley Colby Club

Officers for 1922-1923: President, Charles F. T. Seavers, '01, Hartford, Conn.; Secretary, Royden K. Greely, '13, Middletown, Conn.; Executive Committee, President and Secretary, ex-officio, and Harry E. Hamilton, '96, Greenfield, Mass.
Chicago Colby Club

Officers for 1922-1923: President, Sheppard E. Butler, '03, Chicago, Ill.; Secretary, Everett L. Wyman, '14, Chicago, Ill.; Assistant Secretary, Libby Pulsifer, '21, Chicago, Ill.

Western Maine Colby Alumni Association


Aroostook Colby Club

Officers for 1922-1923: President, George A. Gorham, '91, Houlton; First Vice President, Frank W. Tarbell, '04, Smyrna Mills; Second Vice President, Victor A. Gilpatrick, '13, Davidson; Secretary, Albert K. Stetson, '07, Houlton; Treasurer, Walter F. Titcomb, '97, Houlton.

The New York Colby Alumni Association


The Colby Alumnae Association

Officers for 1922-1923: President, Lois Hoxie Smith, '03, Waterville; First Vice President, Harriet Florence Holmes, '97, Eastport; Second Vice President, Grace Webber Bartlett, '96, Waterville; Secretary and Necrologist, Harriet May Parmenter, '89, Waterville; Treasurer, Alice May Purinton, '99, Waterville; Assistant Treasurer, Bertha H. Kennison, '07, Waterville; Executive Committee: Grace Wells Thompson, '15, Waterville; Harriet Eaton Rogers, '19, Waterville; Bertha Cobb Choate, '22, Waterville; Auditor, Meroe Farnsworth Morse, '13, Waterville; Members of Alumnae Council: Ex-officio, President and Treasurer of the Alumnae Association; Term expires in 1923: Louise Helen Coburn, '77, Skowhegan; Rose Adelle Gilpatrick, '92, Hallowell; Term expires in 1924: Mabel Dunn Libby, '03, Waterville; Nellie Lovering Rockwood, '02, Waterville; Term expires in 1925: Jennie Merrilees Smith, '81, Waterville; Grace
Graduate Organizations


Aroostook Colby Alumnae Association

Officers for 1922-1923: President, Annie Richardson Barnes, '94; Vice President, Ethel G. Chamberlain, '15; Secretary, Dorothy I. Mitchell, '21; Treasurer, Rose Carver Tilley, '11; Executive Committee, Ethel G. Chamberlain, '15, Clara Collins Piper, '14, Avis Thompson Lamoreau, '13.

Western Maine Colby Alumnae Association

Officers for 1922-1923: President, Mrs. Katharine Berry Tilton, '93; Vice President, Mrs. Bessie Merrick Perley, '06; Secretary-Treasurer, Blanche Wilber, '05; Corresponding Secretary, Dorothy Rounds.

Waterville Colby Alumnae Association

Officers for 1922-1923: President, Grace Wells Thompson, '15; Vice President, Nettie M. Runnals, '08; Secretary, Meroe F. Morse, '13.

Boston Colby Alumnae Association

Officers for 1922-1923: President, Mrs. Helen Hanscom Hill, '97; Secretary, Mrs. Ruby Carver Emerson, '04; Treasurer, Alice M. Pierce, '03.

New York Colby Alumnae Committee

Officers for 1922-1923: Chairman, Helen F. Lamb, '97; Treasurer, Elizabeth Hodgkins Bowen, '16.

South Kennebec Colby Alumnae Association

Officers for 1922-1923: President, Edith M. Larrabee, '97, Gardiner; Vice President, Helen Cochrane, '08, Hallowell; Secretary-Treasurer, Hazel Gibbs, '17, Augusta.
Connecticut Valley Colby Alumnae Association

Officers for 1922-1923: President, Miss Selma Koehler, '17, Northampton, Mass.; Secretary, Miss Leonora A. Knight, '17, Waterbury, Conn.; Treasurer, Mrs. Lucy Taylor Pratt, '17, Weathersfield, Conn.

Bangor Colby Alumnae Association

Officers for 1922-1923: President, Mrs. Marion Parker Hubbard, '97, (resigned); Secretary-Treasurer, Mrs. Florence Carll Jones, '12.
CO LBY FITTING SCHOOLS

The College has four affiliated Academies in Maine which are under the general direction of its Board of Trustees. The courses of study in these Academies have the approval of the Faculty of the College and frequent visit to these schools are made by committees of examination from the Faculty of the College.

COBURN CLASSICAL INSTITUTE

WATERVILLE, KENNEBEC COUNTY

Coburn Classical Institute had its origin in the need of a school to prepare students for Waterville College, now Colby College. It began its work in 1820 and has had a splendid record.

The following courses are offered:

1. The Classical Course preparing students to enter college as candidates for the degree of A.B.
2. The English Scientific Course preparing students to enter college for the degree of B.S. This course also gives a fine general training for those who do not go to college.
3. The Household Arts Course.
4. The Preparatory Course for students who need another year before taking up the work of one of the regular courses.
5. The Music Course providing unusual opportunities for study of piano, organ, and voice.

Faculty

DREW THOMPSON HARTHORN, A.M., Principal.
EDITH PRIEST WHITTEN, A.B., French.
CLARA PRESCOTT MORRILL, A.M., English.
FRED LEXEY DAYE, A.B., Science.
FRANCES H. BUTLER, Household Arts.
GUY RAYMOND WHITTEN, Mathematics.
RUTH EMILY HARTHORN, Household Arts, English.
FRED AUGUST TARBOX, History.
LOUlse BARTLETT, A.B., Latin.
RUTH MOSHER, Chemistry, Mathematics.
CARL JEAN TOLMAN, Director of Music.
NELLIE FRENCH STEVENS, Piano.
RAY EDWARD HAINES, B.S., Physical Director.
MARION COREY, Voice.
RUTH HELEN ABBOTT, Registrar.

HEBRON ACADEMY
HEBRON, OXFORD COUNTY

Chartered by the Legislature of Massachusetts in 1804, this Academy has a long and honorable record. It offers three courses of study:

1. A Classical Course for college matriculation for the B.A. degree.
2. A Scientific Course for college matriculation for the B.S. degree.
3. A general course, designed for students who are not prepared for college.

Faculty

RALPH LESLIE HUNT, A.B., Principal.
ARTHUR LEE FIELD, A.B., Mathematics.
CHARLES CLARKE DWYER, A.B., Director of Athletics and Assistant in Science.
RAYMOND RUSSELL THOMPSON, B.S., Science.
MELVIN G. THOMAS, A.B., English.
FREDERICK E. CHAPMAN, Music and Bible Study.
PERCY EDWARD GRAVES, A.B., History.
MRS. LAURA A. PAGE, Matron.

RICKER CLASSICAL INSTITUTE
HOULTON, AROOSTOOK COUNTY.

Ricker Classical Institute, incorporated as Houlton Academy, has its seventy-fifth anniversary next June, 1923. Ricker has made a splendid record in the past and has high ambitions for the future.

The following courses are offered:

1. A Classical Course preparing students to enter college as candidates for the degree of A.B.
2. A Latin-Scientific Course preparing students to enter college as candidates for the degree of B.S.

3. An English Course which gives a good general training for those who do not anticipate a college course.

4. A Training Course fitting for teaching and entitling to State Certificate.

Faculty

HUBERT A. NEVERS, *Mathematics, Physical Director* (U. of M.)
MRS. GLADYS HUSSEY, *Training* (Casting Normal).
REV. H. C. SPEED, B.D., *Bible Study*.

**HIGGINS CLASSICAL INSTITUTE**

**CHARLESTON, PENOBSCOT COUNTY**

This institute, incorporated under the name of Charleston Academy in 1837, is largely indebted for its present prosperous condition to the fostering care of the late Rev. J. H. Higgins.

Three courses are now offered:

1. A College Preparatory Course of four years.
2. An English Course of four years, preparing students for entering College as candidates for the degree of B.S.
3. A Normal Course of four years.

Faculty

WILLIAM A. TRACY, A.B., *Principal* (Colby).
HUGH A. SMITH, A.B., *Sub-Master* (Colby).
FLORENCE M. PREBLE, A.B., *Latin* (Colby).
EDNA A. MERRILL, *Normal Department* (Farmington Normal).
HELEN NASON, *Music*.
STUDENTS

The Men’s Division

ABBREVIATIONS: R. H., Roberts Hall; H. H., Hedman Hall; D. H., Dutton House; M. L. H., Mary Low Hall.

SENIORS—Class of 1923

Basil Bartlett Ames
Alton Leach Andrews
Arthur Livingston Berry
Delmont Winfield Bishop
Ralph Clarke Bradley
William Joseph Brown
Thomas Augustus Callaghan
Arthur Woodbury Cole
John Leslie Dunstan
Stanley Goddard Estes
Arthur Galen Eustis
Marlin Downer Farnum
Frederick Gardiner Fassett, Jr. West Medford, Mass. Φ. Δ. Θ. Ho.
Norman William Foran
Edward Roy Frude
Harold Stephen Goldsmith
John Russell Gow
Wendell Fay Grant
Leandre Armand Guité
Joseph Hercules Jacques
Elon Stanley Kitchin
John Bearisto Lanpher
Merton Everett Laverty
Clarence Rodick Lyond
Floyd Thomas McIntire
Hiram Frederick Moody
George John Odom
Harland Roger Ratcliffe

Norridgewock
Northport
Providence, R. I.
Waterville
Hanover, Pa.
Lowell, Mass.
South Brewer
Prospect Harbor
South Portland
Palermo
Strong
Lynn, Mass.
Winthrop, Mass.
Belgrade
Lynn, Mass.
Live Oak, Florida Δ. K. E. House
Houlton
Waterville
Waterville
Palermo
Pittsfield
Westbrook
North Vassalboro
Perham
Warren
Gloucester, Mass.
Melrose Highlands, Mass.

A. T. Ω. House
A. Χ. A. House
A. T. Ω. House
5 Elm Terrace
Δ. T. House
Ζ. Ψ. House
A. T. Ω. House
A. House
Δ. Α. Θ. House
Δ. Α. Ω. House
Δ. Α. Ω. House
Δ. Α. Ω. House
Δ. T. House
A. House
A. T. House
A. Χ. Α. House
Δ. T. House
Φ. Δ. Θ. House
A. Χ. Α. House
A. T. Ω. House
Δ. T. House
Fairfield
Bluehill
Students

Fred August Tarbox  
John Philip Tilton  
William Sylvester Tobey  
Charles Merrill Treworgy  
Ernest Reynold Werme

Calais  
Woodfords  
Albion  
East Surry  

Thayer Hall  
Δ. T. House  
Winslow  
Λ. X. A. House  
Ζ. Ψ. House

JUNIORS—Class of 1924

Mark Lester Ames  
John Albert Barnes  
Percy Gladstone Beatty  
John Lester Berry  
Arthur Walter Burckel  
Meyer Chafetz  
Elliott Frank Chase  
Fred Eben Chase  
Manley Owen Chase  
Charles Milton Clough  
Arthur William Coulman  
George Lincoln Crook  
George Milford Davis  
Frank James Faggione  
Harrison Abijah Felch  
Paul Wallace Gates  
Louis Randolph Goodwin, Jr.  
Roy Knight Hobbs  
John Timothy Howard  
Robert L. Jacobs  
Louis Langman  
Charles Stevens Lewis  
Ralph Ulmer Libby  
Everett Carter Marston  
William John McDonald  
Joseph Walter McGarry  
Ralph Douglass McLeary  
Bert Leland Merrill  
James Harland Morse  
George Thomas Nickerson  
Winston Edward Noble  
Roland Winslow Payne  
Richard Joseph Pike  
Frank Reginald Porter

Appleton  
Houlton  
Waterville  
Jeffersonville, Vt.  
Lawrence, Mass.  
Colchester, Conn.  
Skowhegan  
Skowhegan  
Hinckley  
Waterville  
West Lynn, Mass.  
Swansea, Mass.  
Nashua, N. H.  
Brooklyn, N. Y.  
Keene, N. H.  
York Village  
Hope  
Brookfield, Mass.  
Vassalboro  
Camden  
Oakland  
Warren  
Augusta  
Colchester, Conn.  
Brookline, Mass.  
Phillips  
Waterville  
Oakland  
Farmington  
Waterville  
Waterville  
Winthrop, Mass.  
Everett, Mass.

Α. X. A. House  
Δ. K. E. House  
Waterville  
R. H.  
Ζ. Ψ. House  
H. H.  
Δ. K. E. House  
Δ. K. E. House  
Hinckley  
30 Boutelle Ave.  
Α. X. A. House  
Φ. Δ. Θ. House  
Fairfield  
R. H.  
A. House  
Α. X. A. House  
Α. T. Ω. House  
Δ. T. House  
Α. T. Ω. House  
Α. T. Ω. House  
Α. T. Ω. House  
A. T. Ω. House  
Α. T. Ω. House  
Oakland  
58 Grove St.  
Α. T. Ω. House  
Α. House  
Α. T. Ω. House  
Α. T. Ω. House  
Α. T. Ω. House  
Α. T. Ω. House  
Oakland  
Α. T. Ω. House  
Α. T. Ω. House  
R. F. D. 38  
H. H.  
Α. T. Ω. House
Lawrence Arthur Putnam
Ivan Martin Richardson
Ralph Stevens Robinson
Richard Clark Sackett
Albert Herman Scott
Willard Albert Seamans
Waldo Florian Seifert
Joseph Coburn Smith
Arthur Hinckley Snow
Ronald Westwood Sturtevant
Ralph Talberth
Philip James Tarpey
Lloyd Jordan Treworgy
Graydon Tripp
Grenville Bruce Eastman Vale
Herbert Gerald Warden
James Alexander Wilson
Fairfield Strong
Manchester, N. H. A. X. A. House
Longmeadow, Mass. A. K. E. Ho.
Wilton A. T. O. House
Winthrop A. T. House
Nashua, N. H. Z. ψ. House
Skowhegan A. K. E. House
Bluehill A. T. House
Livermore Falls A. T. House
Waterville 51 Burleigh St.
Fitchburg, Mass. Z. ψ. House
East Sarry A. X. A. House
Fairfield R. H.
Glen Cove, N. Y. A. K. E. House
Lawrence, Mass. Percival Court
Houlton A. K. E. House

SOPHOMORES—Class of 1925

Earle Stanley Anderson
Edward Mayo Archer
Donald Norris Armstrong
John Edward Atwood Avery
Coburn Hovey Ayer
Edward Travis Baxter
Oscar Packard Benn
Carlton Elwood Bennett
Malcolm Ernest Bennett
Theodore Crie Bramhall
George Peter Breuer
Robert Carver Brown
Alfred King Chapman
Charles Barnard Chapman
Herbert Forrest Colby
Bernard Leroy Cratty
Hiram Hall Crie
Lloyd Morrill Dearborn
Clarence Emery, Jr.
Aldo John Fasce
Samuel Robert Feldman
John Francis Flynn
Farmington, N. H. A. T. House
Fairfield Fairfield
Waterville 8 Boutelle Ave.
Stonington, Conn. A. T. O. House
Parkman A. House
Waterville 307 Main St.
Houlton H. H.
Sanford A. House
Sanford A. House
Belfast A. T. House
Glen Cove, N. Y. Waterville
North Haven A. T. House
Portland A. K. E. House
Springfield, Mass. A. X. A. House
South Boston, Mass. H. H.
Waterville 5 Oak St.
Rockland 25 College Ave.
Bangor A. K. E. House
Ellsworth A. T. House
Adams, Mass. H. H.
Springfield, Mass. H. H.
Pittsfield, Mass. A. T. O. House
Robert Frank Fransen  
Donald C. Freeman  
Perrin Newell Freeman  
Joseph Pearce Gorham  
Raymond Stevens Grant  
Harry Jonathan Greene  
Hilton Cass Haines  
William Wallace Hale  
Robert Hubbard Hawkins, Jr.  
Roy Carlisle Hearon  
Lionel Hebert  
Kendall Bassett Howard  
Samuel Perham Huhn, Jr.  
Fremont Hunter  
Carroll Wesley Keene  
Philip Edward Keith  
Melville Graves Kilborn  
Ralph Mason Larrabee  
John Nelson Laughton  
Nathan Randall Lufkin  
Earl Tomlinson Lyon  
Wilbur Bulman McAllister  
Louis Robert McBay  
Ellis Ford McLeod  
Edward Hackett Merrill  
Earl Linwood Merriam.  
Ellsworth Willis Millett  
Donald J. Mills  
Edward Thomas Moynahan  
Lee Tupper Nichols  
Philip Gorham Pearce  
Irving Grant Pinkham  
Arthur Elmer Pressey  
Louis Lenwood Rosenberg  
Arthur Oscar Rosenthal  
Reginald Parkman Rowell  
Robert Edwin Schenck  
Kenneth Eugene Shaw  
Mark Edward Shay, Jr.  
Charles White Shoemaker  
Walter Dill Simm  

Lynn, Mass.  
Augusta  
Revere, Mass.  
Houlton  
South Acton  
Brooklyn, N. Y.  
Blandford, Mass.  
Caribou  
Bridgeport, Conn.  
Binghampton, N. Y.  
Van Buren  
Winslow  
Houlton  
Clinton  
Millinocket  
West Orange, N. J.  
Waterville  
West Ripley  
Oakland  
Bridgeport, Conn.  
Manchester, N. H.  
Houlton  
Yarmouthville  
Waterville  
Whitman, Mass.  
Monticello  
So. Hadley Falls, Mass.  
Waterville  
Waterville  
Winthrop  
Waterville  
Brooklyn, N. Y.  
Waterville  
Winthrop  
Wynnewood, Pa.  
Clinton  
Fall River, Mass.  
West Orange, N. J.  
Waltham, Mass.  
A. X. A. House  
R. H.  
A. X. A. House  
Δ. K. E. House  
A. House  
H. H.  
Φ. Δ. Θ. House  
Δ. X. A. House  
H. H.  
Δ. K. E. House  
Δ. T. House  
Winslow  
Ζ. Ψ. House  
Δ. T. House  
H. H.  
Δ. T. House  
Φ. Δ. Θ. House  
A. House  
Waterville  
Δ. K. E. House  
Δ. K. E. House  
Δ. T. Ω. House  
A. T. Ω. House
Benjamin Edward Soule
Willie Springer
Russell Millard Squire
Sylvester Richard Sullivan
Jack Talberth
George Elijah Tash
Elmer McLellan Taylor
Lawrence Bradlee Townsend
Carroll Dana Tripp
Howard Bailey Tuggey
Lindsay Charles Varnam
Norman Merrill Wardwell
Leon Hugh Warren
Robert Malcolm Waugh
Fred Maurice Weiss
Kenneth Leon Wentworth
George Averill Weymouth
Keith Bernard Weymouth
Carlton Frederick Wiley
Ralph Sterling Wilkinson
Herbert McCoy Wortman
Ralph Campbell Young

Gorham
West Franklin
Waterville
Belmont, Mass.
Waterville
Farmington
Winthrop
Woodland
Portland
Pittsfield, Mass.
Waterville
Newport
Woodfords
Sangerville
Brooklyn, N. Y.
Waterville
East Millinocket
Morrill
Waterville
Hartford, N. Y.
Wytopitlock
Overbrook, Pa.

Z. ψ. House
A. House
13 Morrill Ave.
Φ. Δ. Θ. House
51 Burleigh St.
A. T. Ω. House
Δ. X. A. House
Δ. K. E. House
H. H.
Δ. X. A. House
River Road
Δ. X. A. House
Φ. Δ. Θ. House
A. House
H. H.
The Melcher
Z. ψ. House
Morrill
11 Ticonic St.
H. H.
Δ. T. House
H. H.
The Melcher
Φ. Δ. Θ. House
Waterville
Waterville
Hartford, Mass.
Fairfield

FRESHMEN—Class of 1926

Ernest Franklin Abbott
Elmer Forest Allen
Roland Butterfield Andrews
Isaac Eugene Bagnell
Alexander Balfour Baird
Frederick Elwood Baker
Meade Joshua Baldwin
George Butler Barnes
Francis Firth Bartlett
Paul Ernest Bauman
William Raymond Berger
Stephen Burbank Berry
Leo Paul Bissonette
Roy Arthur Bither
Claude Joseph Bouchard
Kenneth William Bragdon
Russell Frederick Brown

Oakland
Medford, Mass.
Wytopitlock
Houlton
Waterville
Portland
Madison
Houlton
Waterville
New Haven, Conn.
Fitchburg, Mass.
Providence, R. I.
Winthrop
Linneus
Skowhegan
Westbrook
Fairfield

H. H.
H. H.
R. H.
H. H.
H. H.
H. H.
H. H.
Edgemont St.
A. House
Fairfield
Students

John Homer Burke  West Orange, N. J.  Φ. Δ. Θ. Ho.
Sherman Arnold Calahan  Camden  H. H.
Paul G. Callahan  Scarsdale, N. Y.  R. H.
James Norman Carnegie  North Vassalboro  H. H.
Robert Erskine Chapman  Melrose, Mass.  H. H.
Frederick Sylvester Colburn  New Haven, Conn.  H. H.
Everett Joseph Condon  Shrewsbury, Mass.  R. H.
Charles Joseph Connelly  Springfield, Mass.  R. H.
Paul Ford Cranston  Haddon Heights, N. J.

Davis Crittenden  South Swansea, Mass.  Φ. Δ. Θ. Ho.
Henry Stanley Cross  Newton, Mass.  H. H.
Henry Lewis Crowley  Elizabeth City, N. C.  R. H.
Bradley Dwyane Cutler  Lynn, Mass.  Λ. X. A. House
Lionel Edwards Depew  Dalton, Mass.  H. H.
Paul Raymond Depew  Dalton, Mass.  H. H.
John Samuel Dudley  Waterville  122 College Ave.
Wilfred Cogswell Dunn  Rawley, Mass.  Λ. X. A. House
Russell Van Dyke Dunne  Hartford, Conn.  H. H.
Donald Hudson Dunphy  Houlton  H. H.
Gilbert Linwood Earle  Lisbon Falls  R. H.
Paul Mercier Edmunds  Brooklyn, N. Y.  Ζ. Ψ. House
Theodore Prescott Emery  Ellsworth  R. H.
William Elmer Fagerstrom  Worcester, Mass.  Α. T. House
Lloyd Ellwood Fernald  Franklin  Λ. X. A. House
Samuel David Ferster  Brooklyn, N. Y.  H. H.
Ralph Thomas Flahive  Methuen, Mass  Φ. Δ. Θ. House
William Moody Ford  Whitefield  Ζ. Ψ. House
Clyde Edward Getchell  Smithfield  Α. Τ. Ω. House
Herman Glassman  Brooklyn, N. Y.  Ticonic St.
Joseph Frank Goodrich  Pittsfield  Ζ. Ψ. House
Clarence Edwin Hale  Washburn  H. H.
Frank Clive Hall  Nobleboro  25 College Ave.
James Herschel Halpin  Corning, N. Y.  H. H.
Theodore Everett Hardy, Jr.  Waterville  39 Pleasant St.
Bruce Sumner Hascall  Portland  H. H.
Horace B. Holcomb, Jr.  West Orange, N. J.  Φ. Δ. Θ. House
Sherod Ball Holcomb  West Orange, N. J.  Φ. Δ. Θ. House
Carl Henry Hoxie  Waterville  7 Union St.
Charles Oscar Hubbard  Bridgeport, Conn.  H. H.
Charles Otto Ide
Lee Jameson
Henry Madison Johnson
Melville Noyes Jones
Louis Arthur Kanter
Paul Zadok Katz
Roger Freeman Keddy
Leslie Eugene Knight
Noah Zenas La Mountain
Alfred Norgate Law
Robert Levee
Charles Scales Lightbody
Leslie Clyde Lyon
Fred Marden
Gordon Parker Marr
John Anthony McGowan, Jr.
Clarence Ronald McLaughlin
Carl Reynolds MacPherson
Herbert Freeman Milligan, Jr.
Horace Clement Morehouse
Harry Muir
Louis Anthony Nadeau
John Atwood Nelson
Bernard Nickerson
Woodbridge Leon Odlin
Clifford Raymond Packard
Carroll Snow Parker
Ellis Freeman Parmenter
Herschel Earle Peabody
John Foster Philbrook, Jr.
Percival Coombs Pierpont
George Alton Pillsbury
George Edward Roach
Roy Alexander Robinson
Karl Maynard Rood
Francis Gerald Sadowsky
Llewellyn Herbert Sanborn
Norris Roy Sawtelle
Daniel Joseph Shanahan
Perry Foster Shibles
Roy Vincent Shorey

Stonington, Conn.
Houlton
Fairfield
South China
Brooklyn, N. Y.
Brooklyn, N. Y.
Winthrop
Gorham
Dalton, Mass.
Methuen, Mass.
Portland
Waterville
Macnolia, N. J.
Fairfield
Coopers Mills
Cambridge, Mass
Wytopitlock
Abington, Mass.
Machias
Houlton
North Vassalboro
Waterville
Augusta
Hulls Cove
Gardiner
Cambridge
Belfast
Waterville
Houlton
Solon
Washington
Waterville
Smyrna Mills
Westbrook
Hanover, N. H.
Brighton, Mass.
South China
Portland
Auburn
Thorndike
North Vassalboro

R. H.
H. H.
Fairfield
A. House
H. H.
H. H.
H. H.
A. House
H. H.
H. H.
College Ave.
81 Pleasant St.
Fairfield
A. House
Δ. T. House
R. H.
H. H.
A. House
H. H.
A. X. A. House
Waterville
Waterville
Z. Ψ. House
R. H.
A. X. A. House
H. H.
H. H.
3 Sheldon Pl.
H. H.
R. H.
H. H.
220 Main St.
H. H.
A. House
Oakland
R. H.
A. House
Δ. Θ. House
H. H.
Students

John Irvine Smart
Abbot Emerson Smith
John Robert Smith
Kenneth Jefferson Smith
Chauncey Derring Somes
Clifton Walter Stevens
Roger Adams Stinchfield
Claude Lawrence Stineford
Norman Wilbur Thomas
Malcolm David Wark
Almon Rodney Warren
Albert William Wassell
Ross Horton Whittier
Clair Ellsworth Wood
Ralph Alexander Wood
Leslie Haynes Wyman
Maxfield
Waterville
Redstone, N. H.
Waterville
Mount Desert
Cape May City, N. J.
Clinton
Brownville Jct.
Winthrop
Swampscott, Mass.
Woodfords
Ipswich, Mass.
Brownville Jct.
Newcastle
R. H.
9 Park St.
4 Spring Pl.
18 West St.
A. House
H. H.
Clinton
A. House
H. H.
R. H.
A. X. A. House
H. H.

SPECIAL AND UNCLASSIFIED

Stanley Crocker Brown
Raymond Mower Cass
Warren Leslie Frye
Everett A. Fransen
Harold C. Hines
Theodore Roosevelt Hodgkins
Hollis Wentworth Manning
George Hutchinson Pratt
Noel John Raymond
Raymond Florian Raymond
Edmund Drummond Reynolds
Armand Edward Robichaud
Howard Earl Scott
Dean Matthew Simpson
Harry Burnham Thomas
Charles E. Thompson
Jerry Gerome White
Hyde Park, Mass.
New Haven, Conn.
Revere, Mass.
Manchester, N. H.
W. Farmington
Farmington
Allston, Mass.
W. Farmington
Waterville
Waterville
Waterville
Waterville
Portland
Waterville
Houlton
White Plains, N. Y.
Presque Isle
A. X. A. House
A. X. A. House
A. X. A. House
A. X. A. House
48 Pleasant St.
A. T. O. House
Fairfield
R. H.
Summer St.
18 Vigue St.
25 Winter St.
14 Belmont Ave.
R. H.
Waterville
221 Main St.
Foss Hall

The Women's Division

SENIORS—Class of 1923

Margaret Adelia Abbott
Beulah Josephine Adams
Ethel Mae Alley
Waterville
Lubec
Waterville
18 Pleasant St.
Foss Hall
219 Main St.
Madeline Doris Beach
Marion Elvira Bibber
Velma Idella Briggs
Dorothy Mae Chaplin
Mildred Regina Collins
Vera Louise Collins
Avis Marie Cox
Helen Lucille Davis
Marcia Louise Davis
Doris Mary Dickey
Helen May Dresser
Marion Louise Drisko
Gertrude Claire Fletcher
Helen May Freeman
Elizabeth Howe Griffin
Arlene Jewell Harris
Helen Estelle Harris
Grace Eleanor Hawes
Mildred Olivia Hawes
Ida Frances Jones
Elizabeth Huby Kellett
Marjorie Alice Kemp
Elizabeth Burnham Larrabee
Melva Mercedes Mann
Lucy Maria Osgood
Helen Eloise Pierce
Edythe Duffy Porter
Thelma Abby Powers
Arlene Elizabeth Ringrose
Mary Thelma Ryder
Marguerite Starbird
Louise Lee Steele
Myrtice Ethel Swain
Louisa Katherine Tilley
Leonette McGregor Warburton
Mary Elizabeth Warren
Helen Reta Wheaton
Doris Elizabeth Wyman

Waterville 125 College Ave.
Richmond Foss Hall
Monticello Foss Hall
Gorham Foss Hall
South Berwick Foss Hall
Fairfield Foss Hall
Mars Hill Foss Hall
Oakland Oakland
Livermore Falls Foss Hall
Clinton Foss Hall
Portland M. L. H.
Jonesport Foss Hall
Monticello Foss Hall
Bath Foss Hall
Camden Foss Hall
Fairfield Fairfield
Portland Foss Hall
Skowhegan Foss Hall
Boston, Mass. Foss Hall
Lakeport, N. H. Foss Hall
Lawrence, Mass. Foss Hall
Debois Foss Hall

Waterville 32 Morrill Ave.
Milltown Foster House
Pittsfield, N. H. Foss Hall
South Portland M. L. H.
Lubec Foster Hall
Richmond Foster Hall
Freeport Foster Hall
Leeds Center M. L. H.
Oxford Foster Hall
Lawrence, Mass. Foster Hall
Farmington Foster Hall
Ashland Foster Hall
Lawrence, Mass. Foster Hall
Waterville Foster Hall
Houlton Foster Hall
Medford, Mass. Foss Hall

JUNIORS—Class of 1924

Doris Amanda Ackley Fairfield Fairfield
Students

Ruth Armida Allen  Portland  Foster House
Waneta Taylor Blake  Gardiner  Foss Hall
Marion Daton Brown  Waterville  20 Boutelle Ave.
Annie Brownstone  Portland  Foss Hall
Celia Isadora Clary  Livermore Falls  Foss Hall
Genevieve Mildred Clark  Portland  Foss Hall
Rachel Hunter Conant  Skowhegan  Foss Hall
Beulah Cook  Newport  Foss Hall
Marion Louise Cummings  Hebron  Foss Hall
Sipprelle Riecker Daye  Waterville  157 College Ave.
Marion Drisko  Columbia Falls  Foster House
Mary Drisko  Columbia Falls  Foster House
Anna Christina Isadora Erickson  Middleboro, Mass.  Foss Hall
Mary Cowie Ford  Mars Hill  Foss Hall
Grace Arline Fox  Skowhegan  Foss Hall
Donnie Campbell Getchell  Pittsfield  D. H.
Margaret Thayer Gilmour  Lubec  Foss Hall
Ervena Iorettta Goodale  Waterville  1 Wentworth Court
Mary Evelyn Gordon  Rowley, Mass.  F. H.
Dorothy May Gordon  Woodfords  Foss Hall
Helen Holmes Gray  Stonington  Foss Hall
Ethel Harmon  Caribou  Foss Hall
Katrina Ingrid Hedman  Jemtland  20 College Ave.
Carolyn Lord Hodgdon  Portland  Foss Hall
Esther Martha Holt  Clinton  Foss Hall
Vivian Mary Hubbard  Skowhegan  8 Heath St.
Alice Eliza Manter  Oakland  Oakland
Grace Marion Martin  Randolph  Foss Hall
Helen Hoyt Pratt  Corning, N. Y.  Foss Hall
Ethel May Reed  Harmony  Foss Hall
Marguerite Carlos Cecilia Rice  Verona, N. J.  Foss Hall
Marjorie Pullen Rollins  Winthrop  11 College Ave.
Ruby Marion Shuman  Weeks Mills  M. L. H.
Cecilia Agnes Simpson  Waterville  11 Pleasant St.
Helen Worster Springfield  Waterville  50 Pleasant St.
Margaret Elsie Turner  Stonington  Foss Hall
Mary Aileen Watson  Houlton  Foss Hall
Mary Anne Haynes Whitten  Burnham  33 High St.
Alice Hilda Worthen  Corinna  Foss Hall
Evangeline West York  So. Portland  M. L. H.
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Students

Florence May Smith  
Olive Marian Smith  
Marjorie Sterling  
Clarice Salome Towne  
Doris Julia Tozier  
Avis Elvira Varnam  
Josephine Helen Warburton  

Portland  
Winslow  
Augusta  
Dover-Foxcroft  
Fairfield  
Waterville  
Lawrence, Mass.  

Fossil Hall  
Winslow  
M. L. H.  
M. L. H.  
M. L. H.  
Fairfield  
River Road  

FRESHMEN—Class of 1926

Mary Marguerite Albert  
Dorothy Lora Austin  
Virginia Elizabeth Baldwin  
Frances Christine Booth  
Doris Elizabeth Braley  
Agnes Julia Brouder  
Leola Mae Clement  
Clara Mary Collins  
Mary Alpha Crosby  
Iroma Vesta Davis  
Doris Aileen Dewar  
Dorothy Elizabeth Farnum  
Hilda Mary Fife  
Clara King Ford  
Olive Florence Fowler  
Elsie Mitchell Frost  
Doris Althea Garland  
Dorothy Giddings  
Evelyn Gilmore  
Adelaide Stone Gordon  
Edith Melvina Grearson  
Helene Lombard Hedman Hall  
Victoria Hall  
Beatrice Emma Ham  
Margaret Coralie Hardy  
Emily Redington Heath  
Imogen Frances Hill  
Rovena Catherine Hillman  
Ruth Anita Jagger  
Doris Valentine Keay  
Edna Evelyn Kellett  
Helen Irene Kyle  

Houlton  
Long Island, N. Y  
Bangor  
Lawrence, Mass.  
Guilford  
Methuen, Mass.  
Thorndike  
Portland  
43 Winter St.  

Fossil Hall  
Fossil Hall  
D. H.  
D. H.  
D. H.  
D. H.  
M. L. H.  

Fossil Hall  
M. L. H.  
M. L. H.  
M. L. H.  
Fossil Hall  
Fossil Hall  
Fossil Hall  
Fossil Hall  
D. H.  
25 College Ave.  

Fossil Hall  
Fossil Hall  
M. L. H.  
M. L. H.  
Fossil Hall  
Fossil Hall  
D. H.  

Fossil Hall  
Fossil Hall  
D. H.  
29 Winter St.
Elizabeth Lewis
Pauline Amanda Lunn
Myrtle Viola Main
Susan Florence McGraw
Elizabeth Knapp Merrill
Madeline Marcia Merrill
Alberta Reynolds Olson
Marguerite Louise O’Roak
Agnes Elizabeth Osgood
Florence Appleton Plaisted
Kathleen Viola Poland
Winona Marion Pollard
Girlandine Irene Priest
Josie Estelle Rich
Doris Irene Roberts
Lerene Mae Rolls
Marian Bradford Rowe
Elvira May Royle
Evelyn Lida Rushton
Helen Viola Savage
Nela Goldie Sawtelle
Marion Elva Sawyer
Mollie Roosevelt Seltzer
Margaret Lorene Smith
Pearl Arbine Smith
Olive May Soule
Marion Elizabeth Sprowl
Eleanor Fuller Taylor
Ruth Katherine Turner
Edna May Tuttle
Miriam Eleanor Tyler
Ruth Kingsley Walker
Esther Elizabeth Wood

SPECIAL AND UNCLASSIFIED

Phyllis Climen Buck
Helen Hope Chase
Lena Geneva Cooley
Angelia W. Kalloch
Bertha Mildred Otto

Groton, Mass.  Foss Hall
Waterville  R. F. D. 38
Patten  Foster House
Surry  68 Silver St.
Somersworth, N. H.  M. L. H.
Madison  Foster Hall
Bronxville, N. Y.  M. L. H.
Pittsfield  M. L. H.
Pittsfield, N. H.  Foster House
Waterville  208 Main St.
Livermore Falls  M. L. H.
Fairfield  Foster House
North Vassalboro  R. F. D. 48
Bath  Foster House
Sherman Mills  M. L. H.
East Peru  M. L. H.
Woodfords  D. H.
Mount Holly N. J.  M. L. H.
Methuen, Mass.  Foster House
Newport  Oakland
Oakland  Foster House
East Sebago  Fairfield
Fairfield  M. L. H.
Portland  Winslow
Winslow  Foster House
Augusta  Center Pl.
Seco mountain  M. L. H.
Pittsfield  M. L. H.
Augusta  M. L. H.
Somerville, Mass.  M. L. H.
Medford, Mass.  M. L. H.
Portland  Foss Hall
Blue Hill  M. L. H.

Greenville  232 Main St.
Brownville  Foster House
Harmony  Foss Hall
Waterville  18 Nudd St.
Lawrence, Mass.  D. H.
Students

Florence Davenport Stevens  Milton Mills, N. H.  Foss Hall
Marguerite Levine Simpson  Waterville  23 Oak St.
Madeline Pauline Woodworth  Fairfield

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OFFICERS OF INSTRUCTION

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