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1920

## Colby College Catalogue 1920 - 1921

Colby College

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Series XX, No. 1

January, 1921

# Colby College Bulletin

Catalogue for 1920-1921

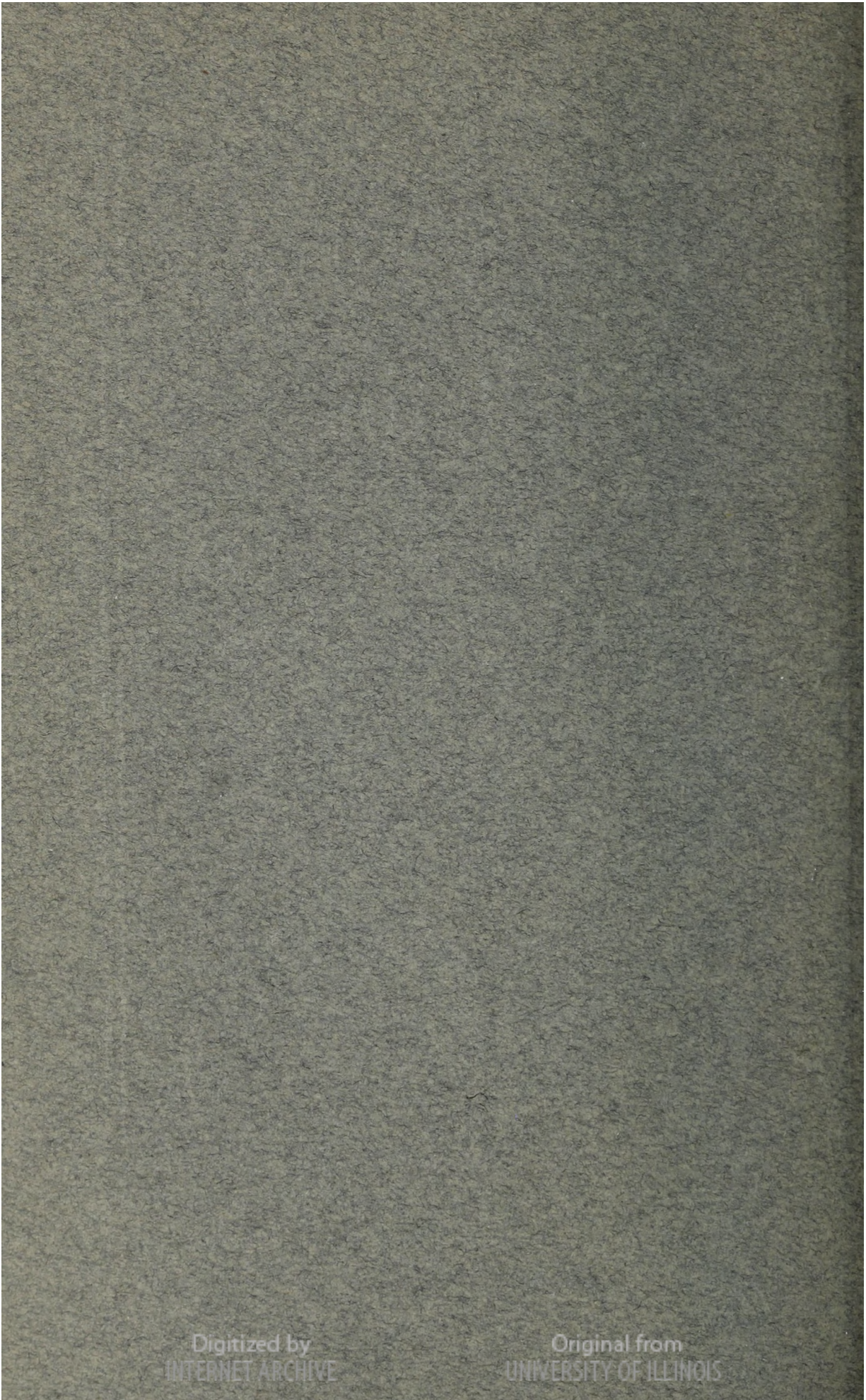
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THE ONE HUNDRED AND FIRST  
ANNUAL CATALOGUE  
OF COLBY COLLEGE  
FOR THE YEAR 1920-1921



WATERVILLE, :: :: :: MAINE  
*Published by the College,* MDCCCCXXI

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## SCHEDULE OF EVENTS, 1920-1921

1920.

SEPT. 21-22, TUESDAY AND WEDNESDAY,—Examinations for admission to College.

SEPT. 23, THURSDAY,—Registration in both Divisions of the College.

OCT. 29, FRIDAY,—Colby Day.

NOV. 29, MONDAY,—Thanksgiving recess ends, 10:00 A. M.

DEC. 17, FRIDAY,—Christmas recess begins, 6 P. M.

1921.

JAN. 6, THURSDAY,—Christmas recess ends, 8 A. M.

FEB. 11, FRIDAY,—First Semester ends, 6 P. M.

FEB. 14, MONDAY,—Mid-year examinations begin, 9 A. M.

FEB. 19, SATURDAY,—Mid-year examinations end, 5 P. M.

FEB. 22, TUESDAY,—Washington's Birthday.

FEB. 23, WEDNESDAY,—Second Semester begins, 8 A. M.

FEB. 28, MONDAY,—Sophomore Prize Declamation.

MARCH 11, FRIDAY,—Annual Murray Prize Debate.

MARCH 25, FRIDAY,—Easter Recess begins, 12 M.

APRIL 7, THURSDAY,—Easter Recess ends, 8 A. M.

APRIL 8, FRIDAY,—Annual Goodwin Prize Speaking Contest.

APRIL 19, TUESDAY,—Patriots' Day.

MAY 5, THURSDAY,—Annual Hallowell Prize Speaking Contest.

MAY 6, FRIDAY,—Annual Lyford Prize Speaking Contest.

MAY 20, FRIDAY,—Annual Hamlin Prize Speaking Contest.

JUNE 10, FRIDAY,—Election of courses for following year.

JUNE 11, SATURDAY,—Seniors' Last Chapel Exercises, 8:30 A. M.

JUNE 11, SATURDAY,—Final examinations begin, 9 A. M.

JUNE 17, FRIDAY,—Final examinations end, 5 P. M.

### Commencement Program

JUNE 18, SATURDAY,—Junior Prize Exhibition, 8 P. M.

JUNE 19, SUNDAY,—Baccalaureate Sermon, 10:30 A. M.

JUNE 19, SUNDAY,—Commencement Address, 8 P. M.

- JUNE 20, MONDAY,—Junior Class exercises, 2:30 P. M.  
 JUNE 20, MONDAY,—Phi Beta Kappa meeting, 4:30 P. M.  
 JUNE 20, MONDAY,—President's Reception, 8 P. M.  
 JUNE 21, TUESDAY,—Meeting Board of Trustees, 10 A. M.  
 JUNE 21, TUESDAY,—Senior Class Day exercises, 2:30 P. M.  
 JUNE 21, TUESDAY,—Meeting Alumni and Alumnae Associations, 12 M.  
 JUNE 21, TUESDAY—Phi Beta Kappa Address, 8 P. M.  
 JUNE 22, WEDNESDAY,—Commencement Exercises, 10 A.M.  
 JUNE 22, WEDNESDAY,—Commencement Dinner, 12 M.

### SCHEDULE OF EVENTS, 1921-1922

#### 1921

- SEPT. 20-21, TUESDAY-WEDNESDAY,—Examinations for admission to College.  
 SEPT. 22, THURSDAY,—Registration in both Divisions of the College.  
 SEPT. 23, FRIDAY,—Academic Year begins, 8 A. M.  
 NOV. 23 WEDNESDAY,—Thanksgiving Recess begins, 12 M.  
 NOV. 28, MONDAY,—Thanksgiving Recess ends, 10 A. M.  
 DEC. 16, FRIDAY,—Christmas Recess begins, 6 P. M.

#### 1922.

- JAN. 5, THURSDAY,—Christmas Recess ends, 8 A.M.  
 FEB. 10, FRIDAY,—First Semester ends, 6 P. M.  
 FEB. 13, MONDAY,—Mid-Year Examinations begin, 9 A. M.  
 FEB. 18, SATURDAY,—Mid-Year Examinations end, 5 P. M.  
 FEB. 21, TUESDAY,—Second Semester begins, 8 A. 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 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 deserving 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.

## OFFICERS OF THE CORPORATION

### President

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

### Vice-President, and ex-officio Chairman, Board of Trustees

LESLIE COLBY CORNISH, LL.D. Augusta

### Secretary

CHARLES EDSON OWEN, D.D. Waterville

### Treasurer

FRANK BAILEY HUBBARD Waterville

## BOARD OF TRUSTEES

### Term Expires in 1921

GEORGE C. WING, LL.D.	Auburn, Maine
GEORGE OTIS SMITH, PH.D., LL.D.	Washington, D. C.
DUDLEY P. BAILEY, M.A.	Everett, Mass.
EMERY B. GIBBS, LL.B.	Boston, Mass.
FRED M. PREBLE, D.D.	Ludlow, Vt.
REX W. DODGE, B.S.	Portland, Maine
REUBEN WESLEY DUNN, M.A.	Waterville, Maine
DANA W. HALL, B.A.	Chicago, Ill.

**Term Expires in 1922**

*RICHARD C. SHANNON, LL.D.	Brockport, N. Y.
WOODMAN BRADBURY, D.D.	Newton Center, Mass.
BEECHER PUTNAM, M.A.	Houlton, Maine
FRANK W. PADELFOED, D.D.	New York City
IRVING B. MOWER, D.D.	Waterville, Maine
NORMAN L. BASSETT, LL.B.	Augusta, Maine
CHARLES F. T. SEAVERNS, B.A.	Hartford, Conn.
MISS LOUISE H. COBURN, LITT.D.	Skowhegan, Maine

**Term Expires in 1923**

*WILFORD G. CHAPMAN, B.A.	Portland, Maine
LESLIE C. CORNISH, LL.D.	Augusta, Maine
WILLIAM C. CRAWFORD, L.H.D.	Allston, Mass.
GEORGE E. MURRAY, B.A.	Lawrence, Mass.
CHARLES E. OWEN, D.D.	Waterville, Maine
HARTSTEIN W. PAGE, M.D.	Worcester, Mass.
HERBERT W. TRAFTON, B.A.	Fort Fairfield, Maine
HERBERT E. WADSWORTH, B.A.	Winthrop Center, Maine
EDWIN C. WHITTEMORE, D.D.	Waterville, Maine
†FRANK W. ALDEN, B.A.	Waterville, Maine
†ALBERT F. DRUMMOND, B.A.	Waterville, Maine

**Term Expires in 1924**

†ARCHER JORDAN, B.A.	Auburn, Maine
†EVERETT C. HERRICK, D.D.	Fall River, Mass.

**Term Expires in 1925**

†HERBERT M. LORD, LL.D.	Washington, D. C.
†FRANKLIN W. JOHNSON, L.H.D.	New York City

\*Deceased.

†Elected by Alumni Association.

**Committees of the Trustees, 1920-1921****STANDING COMMITTEES****Investment**

MESSRS. ROBERTS, BASSETT AND MURRAY.

**Finance**

MESSRS. WING, BAILEY, DUNN, WADSWORTH AND CORNISH

**Honorary Degrees**

MESSRS. GIBBS, BRADBURY AND HALL

**Professorships**

THE PRESIDENT, MESSRS. CRAWFORD, DODGE, PADELFOED AND PAGE

**Instruction**

THE FACULTY *ex-officio*, AND THE COMMITTEE ON PROFESSORSHIPS

**Academies**

MESSRS. TRAFTON, PREBLE, PUTNAM, MOWER AND MISS COBURN

**Nominations**

MESSRS. SMITH, OWEN AND JOHNSON

**Scholarship Aid**

THE PRESIDENT, PROFESSOR WHITE AND THE DEAN OF THE  
WOMEN'S DIVISION

**Commencement**

MESSRS. DUNN, ALDEN, JORDAN, LORD, AND PROFESSORS TAYLOR,  
PARMENTER AND LIBBY

**Prudential**

THE PRESIDENT, MESSRS. DRUMMOND AND WADSWORTH



**SPECIAL COMMITTEES APPOINTED BY THE TRUSTEES****Endowment**

THE PRESIDENT, MESSRS. \*SHANNON, WING, GIBBS, SMITH, WHITTEMORE, MURRAY AND CORNISH, in conjunction with the following from the Alumni Association, viz: NORMAN L. BASSETT, ALBERT H. BICKMORE, GEORGE W. COLEMAN, REX W. DODGE, DANA W. HALL, FRED F. LAWRENCE, JOHN B. ROBERTS, ALLEN P. SOULE, JULIAN D. TAYLOR.

**Manuscript, History of The College**

THE PRESIDENT, CORNISH, AND PROFESSOR TAYLOR

**Publication of College History**

MESSRS. HALL, CRAWFORD AND ALDEN

**Establishment of Committee on Buildings and Grounds**

To consider establishment of a Committee on Buildings and Grounds, and the amendment of the By-laws fixing the powers and duties of the Prudential Committee:

MESSRS. BASSETT, ALDEN AND CRAWFORD

**Alumni Governing Committee of Athletics**

MESSRS. JORDAN, ALDEN, WADSWORTH, SEAVERNS, DRUMMOND AND R. L. ERVIN

\*Deceased.

## FACULTY

ARTHUR JEREMIAH ROBERTS, M.A., LL.D., 33 College Avenue.  
*President. Babcock Professorship of Psychology and  
Moral Philosophy*

JULIAN DANIEL TAYLOR, M.A., LL.D., 37 College Avenue.  
*Taylor Professor of the Latin Language and Literature*

JAMES WILLIAM BLACK, PH.D., 56 Pleasant Street.  
*Professor of History and Political Science*

ANTON MARQUARDT, PH.D., 12 Winter Street.  
*Professor of the German Language and Literature*

CLARENCE HAYWARD WHITE, M.A. 58 Pleasant Street.  
*Professor of the Greek Language and Literature*

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WEBSTER CHESTER, M.A., 47 Winter Street.  
*Professor of Biology. Excuse Officer*

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*Professor of Mathematics*

HERBERT CARLYLE LIBBY, B.A., Litt.D., 73 Pleasant Street.  
*Professor of Public Speaking. Registrar. Editor of Catalog*

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*Professor of Bibliography. Librarian.*

PHILIP WARNER HARRY, PH.D., 34 Pleasant Street.  
*Associate Professor of Romance Languages*

BENJAMIN EDWARD CARTER, M.A., 3 Center Place.  
*Associate Professor of Mathematics*

HENRY EMERSON TREFETHEN, M.A., 4 West Court.  
*Associate Professor of Astronomy*

NEILSON CAMPBELL HANNAY, PH.D., B.D., 5 Gilman Street.  
*Associate Professor of English*

EDWARD HENRY PERKINS, PH.D., 7 Nudd Street.  
*Associate Professor of Geology*

NATHANIEL ERNEST WHEELER, Sc.M., 19A Western Ave.  
*Associate Professor of Physics*

CURTIS HUGH MORROW, M.A., 12 Pleasant Street.  
*Associate Professor of Economics*

HENRY WILLIAM BROWN, M.S., 20 Boutelle Ave.  
*Assistant Professor of English*

WESLEY RAYMOND WELLS, Ph.D., 6 Pleasant Place.  
*Assistant Professor of Philosophy*

EUCLID HELIE, M.A., 8 Silver Terrace  
*Assistant Professor of French*

NETTIE MAY RUNNALS, M.A., Foss Hall  
*Dean of Women. Assistant Professor of Mathematics*

JOSEF FREDRIK NELSON, M.A., B.D., 113 Silver Street.  
*Instructor in Romance Languages*

CECIL AUGUSTUS ROLLINS, B.A., 2 Sheldon Place.  
*Instructor in Latin*

HERMAN THOMPSON BRISCOE, B.A., 7 Gilman Street.  
*Instructor in Chemistry*

RALPH HUDSON DREW, Sc.M., Fairfield, Maine.  
*Instructor in Chemistry*

WINTHROP HAMOR STANLEY, B.A., Fairfield, Maine.  
*Instructor in Physics*

MICHAEL J. RYAN, 1 Roberts Hall.  
*Instructor in Athletics*

## Committees of the Faculty

### Athletics

PROFESSOR PARMENTER, *Chairman*, PROFESSOR ASHCRAFT

### Conference Board

PRESIDENT ROBERTS, *Chairman*, PROFESSORS TAYLOR AND LIBBY

### Curriculum

PRESIDENT ROBERTS, *Chairman*, PROFESSORS WHITE, PARMENTER, ASHCRAFT, HARRY AND WHEELER

### Non-Athletic Organizations

PROFESSOR WELLS, *Chairman*, PROFESSORS BROWN AND ROLLINS

### Entrance Examinations

PRESIDENT ROBERTS, *Chairman*, PROFESSORS CARTER AND HELIE

### Entrance Certificates

PROFESSOR TAYLOR, *Chairman*, PROFESSORS PARMENTER AND LIBBY

### Graduate Students

PROFESSOR BLACK, *Chairman*, PROFESSORS PARMENTER AND LIBBY

### Standing of Students

PROFESSOR CHESTER, *Chairman*, PROFESSORS LIBBY AND CHIPMAN

### Women's Division

PRESIDENT ROBERTS, *Chairman*, PROFESSORS TAYLOR, BLACK, TREFETHEN AND MORROW

### Library

PROFESSOR TAYLOR, *Chairman*, PROFESSORS HANNAY, WELLS AND MORROW

**Matrons**

MRS. LILLIAN F. DELANO

Foss Hall

MRS. SARAH E. PARKHURST

Dutton House

MRS. F. P. NORTON

Mary Low Hall

**Superintendent of Buildings and Grounds**

FRANK B. HUBBARD

Office: Champlin Hall

**Janitor**

FRED P. WEYMOUTH

Office: Champlin Hall

## STUDENTS

ABBREVIATIONS: R. H., Roberts Hall; H. H., Hedman Hall; F. H., Foss Hall; D. H., Dutton House; M. L. H., Mary Low Hall.

### The Men's Division

#### SENIORS—Class of 1921

Ernest Adelbert Adams, Jr.	<i>Whitinsville, Mass.</i>	Δ. T. House
Stephen Hager Ayer	<i>Waterville</i>	12 Nudd St.
Bernal Dana Bailey	<i>Livermore Falls</i>	Λ. X. A. House
Paul Hollis Bailey	<i>Winthrop</i>	Δ. K. E. House
Howard Merle Barnum	<i>Corning, N. Y.</i>	Δ. K. E. House
Stanley Roberts Black	<i>Waterville</i>	56 Pleasant St.
Paul Lester Brooks	<i>Auburn</i>	Δ. T. House
Arthur James Brimstine	<i>Oakland</i>	Oakland
Chauncey Luke Brown	<i>Waterville</i>	2 Sheldon Place
William Emery Burgess	<i>Fairfield</i>	Z. Ψ. House
Robert Daniel Conary	<i>Sunshine</i>	Λ. X. A. House
Charles Wellington Crowell	<i>Richmond Hill, N. Y.</i>	Z. Ψ. House
Clark Drummond	<i>Waterville</i>	66 Burleigh St.
William Cheney Dudley	<i>South Berwick</i>	H. H.
Llewellyn Smith Dunnack	<i>Augusta</i>	Φ. Δ. Θ. House
Tun Fu Dzen	<i>Chekiang, China</i>	R. H.
Bernard Elias Esters	<i>Houlton</i>	Φ. Δ. Θ. House
Thomas Gerard Grace	<i>Brooklyn, N. Y.</i>	A. T. Ω. House
John William Greene	<i>Bluehill</i>	Λ. X. A. House
Everett Hayward Gross	<i>Searsport</i>	A. T. Ω. House
Charles Reginald Hersum	<i>Waterville</i>	15 Dalton St.
Frank Joseph Hois	<i>New Bedford, Mass.</i>	Φ. Δ. Θ. Ho.
Daniel Ray Holt	<i>Clinton</i>	Δ. K. E. House
Neil Francis Leonard	<i>Worcester, Mass.</i>	A. T. Ω. House
Lewis Levine	<i>Waterville</i>	33 Ticonic St.
Nathan Levine	<i>Waterville</i>	33 Ticonic St.
Joseph Edward Little, Jr.	<i>New London, Conn.</i>	Λ. X. A. Ho.
Harley Perham Mairs	<i>Oakland</i>	Oakland
Harold Chesterfield Marden	<i>East Vassalboro</i>	A. T. Ω. House
Philip Healey Merchant	<i>Fairfield</i>	Fairfield
Wayne Whitten McNally	<i>Clinton</i>	A. T. Ω. House

Arthur Ray Mills	<i>Monticello</i>	Δ. T. House
Charles Archie Mitchell	<i>Haynesville</i>	A. T. Ω. House
Edward Coburn Niles	<i>Boston, Mass.</i>	R. H.
William Joseph Pollock	<i>Waterville</i>	14 Center St.
Frederick Jones Pope	<i>Vassalboro</i>	A. T. Ω. House
Ransom Pratt	<i>Corning, N. Y.</i>	Δ. K. E. House
Libby Pulsifer	<i>Skowhegan</i>	Δ. K. E. House
Ashton Farnham Richardson	<i>Fairfield</i>	Z. Ψ. House
Harold Melvin Sachs	<i>Brooklyn, N. Y.</i>	H. H.
Berton Lake Seekins	<i>Stonington</i>	Λ. X. A. House
Donald Arthur Shaw	<i>Clinton</i>	Δ. K. E. House
Donald Oscar Smith	<i>Waterville</i>	276 Main St.
Vernon Guy Smith	<i>Washburn</i>	A. T. Ω. House
Phil Thaddeus Somerville	<i>Houlton</i>	Δ. T. House
Chin Foh Song	<i>Shaoshing, China</i>	H. H.
Raymond Harris Spinney	<i>South Eliot</i>	A. T. Ω. House
Reginald Houghton Sturtevant	<i>Livermore Falls</i>	Δ. T. House
Joel Erastus Taylor, Jr.	<i>Skowhegan</i>	Z. Ψ. House
John Harrison Tobey	<i>Waterville</i>	9 Prospect St.
Milford Isaac Umphrey	<i>Washburn</i>	A. T. Ω. House
Roland George Ware	<i>Waterville</i>	93 Silver St.
John Franklin Waterman	<i>Belfast</i>	Λ. X. A. House
Samuel Wolman	<i>Waterville</i>	23 Ticonic St.

### JUNIORS—Class of 1922

Asa Charles Adams	<i>Linneus</i>	Δ. T. House
Andrew Maine Bacigalupo	<i>Reading, Mass.</i>	H. H.
Harold Loomis Baldwin	<i>North Stratford, N. H.</i>	Φ. Δ. Θ. Ho.
Raymond Joseph Bates	<i>Willimantic, Conn.</i>	H. H.
Walter Drew Berry	<i>Houlton</i>	Λ. X. A. House
Ashley Lyndon Bickmore	<i>Charleston</i>	Δ. T. House
Roger Eustace Bousfield	<i>Waterville</i>	R. H.
George Willard Brier	<i>Oakland</i>	A. T. Ω. House
Walter Gilchrist Chamberlin	<i>Lisbon, N. H.</i>	A. T. Ω. House
Leslie Heyward Cook	<i>Mystic, Conn.</i>	A. T. Ω. House
Thomas Randolph Cook	<i>Newport</i>	H. H.
George Washington Currier	<i>Kingston, N. H.</i>	A. T. Ω. House
Willard James Curtis, Jr.	<i>South Paris</i>	Δ. T. House
William Franklin Cushman	<i>Stonington, Conn.</i>	A. T. Ω. House
Kenneth Champlin Dolbeare	<i>New London, Conn.</i>	A. T. Ω. Ho.
Fred Harrison Eastman	<i>Lisbon, N. H.</i>	A. T. Ω. House

Albert Chandler Farley	<i>Bridgewater</i>	Φ. Δ. Θ. House
Wendell Fremont Farrington	<i>Livermore Falls</i>	H. H.
Charles Hanson Gale	<i>Medford, Mass.</i>	H. H.
Edwin Wilder Gates	<i>Keene, N. H.</i>	H. H.
Harold Good	<i>Monticello</i>	Δ. T. House
Curtis Arms Haines	<i>Nashua, N. H.</i>	Φ. Δ. Θ. House
Isaiah Matthew Hodges	<i>North Vassalboro</i>	34 Elm St.
Robert Morse Jackson	<i>Waterville</i>	R. D. 38
Perley Leroy Libby	<i>Dexter</i>	Λ. X. Λ. House
Julius Paul Loeffler	<i>Lisbon Falls</i>	Δ. T. House
Merle Foster Lowery	<i>Monticello</i>	Φ. Δ. Θ. House
Leonard Withington Mayo	<i>New Gloucester</i>	H. H.
Bert Leland Merrill	<i>Waterville</i>	Δ. T. House
Walter Thomas Moreland	<i>Epping, N. H.</i>	A. T. Ω. House
Irwin Stoll Newbury	<i>Groton, Conn.</i>	Λ. X. A. House
Charles James Paddock	<i>Skowhegan</i>	H. H.
Clifford Peaslee	<i>Pittsfield, Mass.</i>	Λ. X. A. House
Herbert Armond Perkins	<i>Waltham, Mass.</i>	Δ. T. House
Albanus Moulton Pottle	<i>Oxford</i>	A. T. Ω. House
Chester Leroy Robinson	<i>Warren</i>	A. T. Ω. House
Clyde Elwin Russell	<i>Charleston</i>	Δ. T. House
Stanley Neil Shibles	<i>Rockport</i>	Z. Ψ. House
Evan John Shearman	<i>Woodfords</i>	Δ. K. E. House
Harold Theodore Smith	<i>Sedgwick</i>	Δ. Ω. House
Robert Lincoln Stone	<i>Bath</i>	Z. Ψ. House
Arthur John Sullivan	<i>Winthrop, Mass.</i>	Z. Ψ. House
Henry Dutton Teague	<i>Bath</i>	Φ. Δ. Θ. House
George Fred Terry, Jr.	<i>Waterville</i>	101 Silver St.
Arthur Everett Urann	<i>East Sullivan</i>	A. T. Ω. House
William James Wallace	<i>Penacook, N. H.</i>	H. H.
Hugh Cram Whittemore	<i>Portland</i>	Δ. K. E. House
Elmer Leslie Williams	<i>Brewer</i>	A. T. Ω. House
George Henry F. Wills	<i>Brooklyn, N. Y.</i>	Z. Ψ. House
George Bernard Wolstenholme	<i>Sidney Mines, N. B.</i>	R. H.
Phillip Hammond Woodworth	<i>Fairfield</i>	Z. Ψ. House.

### SOPHOMORES—Class of 1923

Basil Bartlett Ames	<i>Norridgewock</i>	R. H.
Alton Leach Andrews	<i>Belfast</i>	Λ. X. A. House
Casper Joseph Azzara	<i>Brooklyn, N. Y.</i>	Z. Ψ. House
Arthur Livingston Berry	<i>Providence, R. I.</i>	A. T. Ω. House



Delmont Winfield Bishop	<i>Waterville</i>	5 Elm Terrace
Chauncey Leighton Brown	<i>Fairfield</i>	Fairfield
William Joseph Brown	<i>Lowell, Mass.</i>	Z. Ψ. House
Elliot Frank Chase	<i>Skowhegan</i>	Δ. K. E. House
Arthur Woodbury Cole	<i>Prospect Harbor</i>	69 Pleasant St.
John Russell Coulter	<i>Milbury, Mass.</i>	Δ. K. E. House
John Anthony Coyne	<i>Waterville</i>	19 Ash St.
George Lincoln Crook	<i>Swansea, Mass.</i>	Φ. Δ. Θ. House
Raymond Harris Daniels	<i>Hudson, N. H.</i>	Z. Ψ. House
Frank Osmond Dolloff	<i>Oakland</i>	Oakland
Roswald Leonal Dolloff	<i>Oakland</i>	Oakland
John Leslie Dunstan	<i>Portland</i>	A. T. Ω. House
Stanley Goddard Estes	<i>Palermo</i>	H. H.
Galen Eustis	<i>Strong</i>	A. T. Ω. House
Marlin Downer Farnum	<i>Lynn, Mass.</i>	Δ. K. E. House
Frederick Gardiner Fassett, Jr.	<i>West Medford, Mass.</i>	Φ. Δ. Θ. Ho.
John Joseph FitzGerald	<i>Worcester, Mass.</i>	Z. Ψ. House
Norman William Foran	<i>Winthrop, Mass.</i>	Z. Ψ. House
Roy Frude	<i>Belgrade</i>	A. T. Ω. House
Harold Stephen Goldsmith	<i>Lynn, Mass.</i>	A. T. Ω. House
John Russell Gow	<i>Live Oak, Fla.</i>	Δ. K. E. House
Louis R. Goodwin	<i>Waterville</i>	3 Benton Ave.
Rufus Manley Grindle	<i>Bluchill</i>	Φ. Δ. Θ. House
Leandre Armand Guite	<i>Waterville</i>	12 Sherwin St.
John Percival Hedman	<i>Jemtland</i>	A. T. Ω. House
Roy Knight Hobbs	<i>Hope</i>	R. H.
John Timothy Howard	<i>No. Brookfield, Mass.</i>	Δ. T. House
Joseph Hercule Jacques	<i>Waterville</i>	35 Oakland St.
Elmer Lue Johnson	<i>Lincolnville</i>	R. H.
Chilton Latham Kemp	<i>Deblois</i>	Δ. T. House
Elon Stanley Kitchin	<i>Palermo</i>	H. H.
John Beanstor Lanpher	<i>Pittsfield</i>	Δ. T. House
Merton Everett Laverty	<i>Westbrook</i>	221 Main St.
Clifton Eugene Lord	<i>Rockland</i>	14 Western Ave.
Percy Stillman Loveley	<i>Skowhegan</i>	Λ. X. A. House
Clarence Rodick Lyond	<i>North Vassalboro</i>	Φ. Δ. Θ. House
Ernest William McCrackin	<i>Bangor</i>	A. T. Ω. House
Floyd Thomas McIntire	<i>Perham</i>	Δ. T. House
Alan Mercer	<i>White Plains, N. Y.</i>	Δ. K. E. Ho.
George John Odom	<i>Gloucester, Mass.</i>	Λ. X. A. House
Julian Hardy Patten	<i>Torrington, Conn.</i>	Δ. K. E. House
Samuel Pinonsky	<i>Brooklyn, N. Y.</i>	H. H.

William Francis Powers	<i>Worcester, Mass.</i>	Z. Ψ. House
Harland Roger Ratcliffe	<i>Melrose Highlands, Mass.</i>	A. T. Ω. House
Percy Fletcher Rogers	<i>Houlton</i>	Φ. Δ. Θ. House
Forrest Merle Royal	<i>Houlton</i>	Δ. T. House
Charles Elezar Smith	<i>Fairfield</i>	Fairfield
Eugene Verner Smith	<i>West Stoughton, Mass.</i>	Λ. X. A. Ho.
James Bernard Sprague	<i>Franklin</i>	H. H.
John Philip Tilton	<i>Woodfords</i>	Δ. T. House
Llyod Jordan Treworgy	<i>East Surry</i>	Λ. X. A. House
John Bennett Tschamler	<i>Augusta</i>	H.H.
Ralph Malcolm Wallace	<i>Stoughton, Mass.</i>	Λ. X. A. House
Charles Alden Wheeler	<i>Mansfield, Mass.</i>	Δ. T. House
Swabey Alton Ward	<i>Woburn, Mass.</i>	Λ. X. A. House
Joseph Herman Zinner	<i>Stoughton, Mass.</i>	Λ. X. A. House

## FRESHMAN—Class of 1924

Ernest Franklin Abbott	<i>Oakland</i>	R. H.
Mark Lester Ames	<i>Appleton</i>	Λ. X. A. House
Frank W. Anderson	<i>Ellsworth</i>	H. H.
John Albert Barnes	<i>Houlton</i>	H. H.
Percy Gladstone Beatty	<i>Waterville</i>	1 Carroll St.
Wendell Holmes Bickmore	<i>Charleston</i>	Δ. T. House
George Peter Breuer	<i>Glen Cove, N. Y.</i>	H. H.
Arthur LaForest Brown	<i>Charleston</i>	Δ. T. House
Samuel Dick Brown	<i>New York, N. Y.</i>	H. H.
Fred Eben Chase	<i>Skowhegan</i>	Δ. K. E. House
Manley Owen Chase	<i>Hinckley</i>	Hinckley
Wilfred Laurier Clair	<i>Waterville</i>	60 Burleigh St.
Maurice Eben Cobb	<i>Searsmont</i>	Λ. X. A. House
Arthur William Coulman	<i>Lynn, Mass.</i>	Λ. X. A. House
Bernard Leroy Cratty	<i>Waterville</i>	5 Oak St.
John Samuel Dudley	<i>Waterville</i>	10 Winter St.
John Gillispie Earley	<i>Milford, Mass.</i>	H. H.
Ernest Leroy Eldridge	<i>Oakland</i>	Oakland
Clarence Emery, Jr.	<i>Mexico</i>	Δ. T. House
Waldo Enholm	<i>Fitchburg, Mass.</i>	R. H.
Frank James Faggione	<i>Brooklyn, N. Y.</i>	R. H.
Lawton Henry Feeney	<i>Jonesboro</i>	R. H.
Harrison Abijah Felch	<i>Limerick</i>	H. H.

Dooley Ferguson	<i>Palestine, Tex.</i>	Δ. T. House
Bernard James Fitzgerald	<i>Agawam, Mass.</i>	Φ. Δ. Θ. House
William Foxall	<i>Lebanon, Penn.</i>	Λ. X. A. House
Paul Wallace Gates	<i>Keene, N. H.</i>	H. H.
Francis Elmer Gilfoy	<i>Adams, Mass.</i>	R. H.
Chester Lloyd Glenn	<i>Brockton, Mass.</i>	R. H.
Carlo Henry Grande	<i>Lawrence, Mass.</i>	Z. Ψ. House
Roy Carlyle Hearon	<i>Cranford, N. J.</i>	Δ. K. E. House
Cranston Harlow Jordan	<i>Auburn</i>	H. H.
Leslie Stuart Lane	<i>Red Beach</i>	H. H.
Louis Langman	<i>Camden</i>	H. H.
Bernard Lester Lee	<i>Bridgeport, Conn.</i>	Φ. Δ. Θ. House
Joseph LeWinter	<i>Brooklyn, N. Y.</i>	H. H.
Charles Sumner Lewis	<i>Oakland</i>	58 Grove St.
Ralph U. Libby	<i>Warren</i>	H. H.
Clifford Henry Littlefield	<i>Waterville</i>	239 Main St.
Anson Crawford Lowitz	<i>Bronxville, N. Y.</i>	Δ. K. E. House
Nathan Randall Lufkin	<i>Oakland</i>	Φ. Δ. Θ. House
Everett Carter Marston	<i>Augusta</i>	H. H.
Tilson Fuller Maynard	<i>Morrill</i>	Δ. T. House
LeRoy McDonough	<i>Solon</i>	R. H.
Joseph Walter McGarry	<i>Brookline, Mass.</i>	R. H.
Earl Howard McKay	<i>Adams, Mass.</i>	Δ. T. House
John Leo McKeon	<i>Bridgeport, Conn.</i>	R. H.
Ralph Douglas McLeary	<i>Phillips</i>	R. H.
James Harland Morse	<i>Oakland</i>	Oakland
Lee Tupper Nichols	<i>Waterville</i>	25 Oak St.
George Thomas Nickerson	<i>Farmington</i>	R. H.
Winston Edward Noble	<i>Waterville</i>	Δ. T. House
Norris Delfield Nordstrom	<i>New Britain, Conn.</i>	H. H.
Roland Winslow Paine	<i>Waterville</i>	R. D. 38
Richard Joseph Pike	<i>Winthrop, Mass.</i>	R. H.
Roland Neil Pooler	<i>Fairfield</i>	Fairfield
Frank Reginald Porter	<i>Everett, Mass.</i>	R. H.
Lawrence Arthur Putnam	<i>Fairfield</i>	Fairfield
Edmund Drummond Reynolds	<i>Waterville</i>	25 Winter St.
Verne Everett Reynolds	<i>Oakland</i>	58 Grove St.
Wellington Thomas Reynolds	<i>Waterville</i>	Winslow
Ivan Martin Richardson	<i>Strong</i>	Λ. X. A. House
Ralph S. Robinson	<i>Manchester, N. H.</i>	Λ. X. A. House
Lawrence Augustus Roy	<i>Waterville</i>	21 Drummond Ave.
Richard Clark Sackett	<i>Longmeadow, Mass.,</i>	H. H.

Roswell Wheeler Sadd	<i>Nashua, N. H.</i>	Φ. Δ. Θ. House
Theodore Reginald Sammis	<i>Brooklyn, N. Y.</i>	College Ave.
Albert Herman Scott	<i>Wilton</i>	Α. Τ. Ω. House
Joseph Coburn Smith	<i>Skowhegan</i>	H. H.
Arthur Hinckley Snow	<i>Bluehill</i>	R. H.
Arthur Lorraine Springer	<i>Skowhegan</i>	Z. Ψ. House
Ronald Westwood Sturtevant	<i>Livermore Falls</i>	Δ. Τ. House
Sylvester Richard Sullivan	<i>Boston, Mass.</i>	Φ. Δ. Θ. House
Ralph Talberth	<i>Waterville</i>	51 Burleigh St.
Philip James Tarpey	<i>Fitchburg, Mass.</i>	Z. Ψ. House
John Staples Tibbetts	<i>Farmington</i>	R. H.
Graydon Tripp	<i>Fairfield</i>	Fairfield
Grenville Bruce Eastman Vale	<i>Glen Cove, N. Y.</i>	H. H.
Herbert Gerald Warden	<i>Lawrence, Mass.</i>	14 Temple Ct.
Henry Philip Watters	<i>Bridgeport, Conn.</i>	Φ. Δ. Θ. House
Ernest Reinhold Werme	<i>Worcester, Mass.</i>	Z. Ψ. House
Raymond Eugene Weymouth	<i>Charleston</i>	Δ. Τ. House
James Alexander Wilson	<i>Houlton</i>	H. H.

## SPECIAL AND UNCLASSIFIED

John Thompson Chippendale	<i>Auburn</i>	Z. Ψ. House
George Milford Davis	<i>Nashua, N. H.</i>	Fairfield
Jeremiah Joseph Doyle, Jr.	<i>Nashua, N. H.</i>	Φ. Δ. Θ. House
Winfield Scott Fuller	<i>Greenfield, Mass.</i>	R. H.
Wilfred Freeman Gove	<i>Brockton, Mass.</i>	R. H.
Philip Kiman Hahn	<i>Pyng Yang, Corea</i>	R. H.
Russell Preston Hallett	<i>Oakland</i>	Oakland
Franklin Charles Matzek	<i>Revere, Mass.</i>	Α. Χ. Α. House
Harold Melvin Meader	<i>Hallowell</i>	Δ. Τ. House
Louis Peter Morin	<i>Fitchburg, Mass.</i>	Z. Ψ. House
William John Murphy	<i>Worcester, Mass.</i>	H. H.
Eugene Cody Norton	<i>Fairfield</i>	Fairfield
Noel John Raymond	<i>Waterville</i>	22 Summer St.
Frank Arthur Robinton	<i>Medford, Mass.</i>	Α. Χ. Α. House
Ralph Eugene Rock	<i>Nashua, N. H.</i>	Z. Ψ. House
Walder Florian Seifert	<i>Nashua, N. H.</i>	H. H.
Mark Edward Shay	<i>Fall River, Mass.</i>	H. H.
Fred August Tarbox	<i>Belmont, Mass.</i>	Thayer Hall
William Edwards Weise	<i>White Plains, N. Y.</i>	H. H.
Charles Wolman	<i>Waterville</i>	20 High St.

## The Women's Division

### SENIORS—Class of 1921

Pauline Wheeler Abbott	<i>Waterville</i>	18 Pleasant St.
Geraldine Thurlow Baker	<i>Bingham</i>	F. H.
Laura Virginia Baker	<i>Bingham</i>	F. H.
Esther Blanchard	<i>Roxbury, Mass.</i>	F. H.
Frances Bradbury	<i>Biddeford</i>	F. H.
Bernice Brown Butler	<i>Portland</i>	F. H.
Elizabeth Baldwin Carey	<i>Cheshire, Conn.</i>	F. H.
Clara Whitehouse Carter	<i>Jefferson</i>	77 Elm St.
Bessie Merritt Chadwick	<i>Athol, Mass.</i>	8 Heath St.
Alice Helen Clark	<i>Caratunk</i>	F. H.
Marion Louise Conant	<i>Fort Fairfield</i>	F. H.
Merle Evelyn Davis	<i>Portsmouth, N. H.</i>	F. H.
Alice Louise Dyer	<i>Charleston</i>	F. H.
Doris Beryl Fernald	<i>East Boothbay</i>	F. H.
Grace Ruth Foster	<i>Buffalo, N. Y.</i>	F. H.
Clara Ida Gamage	<i>South Bristol</i>	F. H.
Isabel Wight Genthner	<i>Guilford</i>	F. H.
Elva Kathleen Goodhue	<i>Fort Fairfield</i>	F. H.
Doris Tolman Gower	<i>Skowhegan</i>	F. H.
Irene Shirley Gushee	<i>Appleton</i>	F. H.
Marjorie Wagner Hornung	<i>Flushing, N. Y.</i>	F. H.
Helen Jane Leota Jacobson	<i>Bath</i>	F. H.
Grace Wilma Johnson	<i>Gorham</i>	F. H.
Dorothy Emma Knapp	<i>Danbury, N. H.</i>	F. H.
Adelle Medora McLoon	<i>Houlton</i>	F. H.
Ruth Frances Means	<i>Biddeford</i>	F. H.
Dorothy Grant Mitchell	<i>Houlton</i>	F. H.
Ruth Elizabeth Mosher	<i>Wilton</i>	F. H.
Bertha Edith Norton	<i>Anson</i>	F. H.
Alice Ford Page	<i>Plymouth, N. H.</i>	F. H.
Hazel Winifred Peck	<i>Winthrop</i>	F. H.
Florence Mae Preble	<i>Waterville</i>	8 Sheldon Place
Mary Margaret Rice	<i>Waterville</i>	F. H.
Dorothy Rounds	<i>Woodfords</i>	F. H.
Sarah Elizabeth Smith	<i>Houlton</i>	F. H.
Elva Christine Tooker	<i>Caribou</i>	F. H.
Catherine Almira Tuttle	<i>Limerick</i>	F. H.

Linna Caroline Weidlich	<i>Warehouse Point, Conn.</i>	F. H.
Elizabeth Rebecca Whipple	<i>Waterville</i> 52 Burleigh St.	
Elfrieda Marie Whitney	<i>Houlton</i>	F. H.
Grace Evelyn Wilder	<i>Wilton</i>	F. H.

### JUNIORS—Class of 1922

Eleanor Clough Bailey	<i>Winthrop Centre</i>	F. H.
Beatrice Persis Baker	<i>Bingham</i>	F. H.
Ruth Marie Banghart	<i>Gorham, N. H.</i> 20 North St.	
Avis Barton	<i>Westboro, Mass.</i>	F. H.
Virginia Mary Bean	<i>West Minot</i>	F. H.
Mary Brier	<i>Oakland</i> Oakland	
Edna Alice Briggs	<i>Littleton</i>	F. H.
Gladys Iva Briggs	<i>Littleton</i>	F. H.
Annie Gilmour Burgess	<i>Falmouth Foreside</i>	F. H.
Mary Dassie Carl	<i>Bingham</i>	F. H.
Edna Marjorie Chamberlain	<i>Fort Fairfield</i>	F. H.
Annie Fletcher Choate	<i>Waterville</i> 2 Lawrence St.	
Bertha Emily Cobb	<i>Waterville</i> 19 Union St.	
Hazel Angelia Drew	<i>North Hampton, N. H.</i>	F. H.
Hazel Goold Dyer	<i>Portland</i>	F. H.
Ruby Frances Dyer	<i>Skowhegan</i>	F. H.
Daphne May Fish	<i>Freeport</i>	F. H.
Bertha Emily Gilliatt	<i>Medford, Mass.</i> M. L. H.	
Eva Beatrice Glidden	<i>Waterville</i> Clinton Ave.	
Ruth Goodwin	<i>Waterville</i> 1 Thayer Court	
Miriam Hardy	<i>Greenwich, Conn.</i>	F. H.
Edith Louise Harvey	<i>Dover</i>	F. H.
Julia Frances Hoyt	<i>Fairfield</i> M. L. H.	
Louise Elizabeth Jacobs	<i>Vassalboro</i> Vassalboro	
Catherine Dolley Larrabee	<i>Waterville</i> 32 Morrill Ave.	
Hannah Naomi Maher	<i>Augusta</i>	F. H.
Emma Moulton	<i>North Hampton, N. H.</i>	F. H.
Vina Beatrice Parent	<i>Haynesville</i>	F. H.
Hazel Beatrice Pratt	<i>Caribou</i>	F. H.
Doris Irene Purington	<i>Houlton</i> M. L. H.	
Helen Raymond	<i>North Jay</i>	F. H.
Lorena Estella Scott	<i>Harrington</i>	F. H.
Mildred Smiley	<i>Waterville</i> R. F. D. 40	
Laura May Stanley	<i>Mercer</i> 70 Elm St.	

Mary Anne Sweeney	<i>Waterville</i>	232 Main St.
Mary Irene Whitcomb	<i>Waterville</i>	20 Western Ave.
Dorothy Harmon White	<i>Fort Fairfield</i>	F. H.
Clara Hammond Wightman	<i>Sanford</i>	F. H.
Gertrude Glyndon Willey	<i>Cherryfield</i>	F. H.

### SOPHOMORES—Class of 1923

Margaret Adelia Abbott	<i>Waterville</i>	18 Pleasant St.
Beulah Josephine Adams	<i>Lubec</i>	F. H.
Ethel Mae Alley	<i>Waterville</i>	219 Main St.
Madeline Doris Beach	<i>Waterville</i>	125 College Ave.
Eloise Bliss Beaman	<i>Kingston, N. H.</i>	M. L. H.
Marion Elvira Bibber	<i>Richmond</i>	F. H.
Lila Winifred Brock	<i>Sanford</i>	M. L. H.
Helen Amanda Brown	<i>Waterville</i>	2 Sheldon Place
Annie Brownstone	<i>Portland</i>	D. H.
Agnes Jessie Cameron	<i>Canton</i>	M. L. H.
Dorothy Mae Chaplin	<i>Gorham</i>	M. L. H.
Mildred Regina Collins	<i>South Berwick</i>	D. H.
Vera Louise Collins	<i>Fairfield</i>	R. D. 1
Edna Conant	<i>Winterport</i>	D. H.
Rachel Hunter Conant	<i>Skowhegan</i>	2 Greylock St.
Ruth Veronica Cook	<i>Wilton</i>	49 Elm St.
Avis Marie Cox	<i>Mars Hill</i>	D. H.
Hazel Evelyn Curtis	<i>Harpswell Centre</i>	11 College Ave.
Helen Lucille Davis	<i>Oakland</i>	Oakland
Marcia Louise Davis	<i>Livermore Falls</i>	D. H.
Doris Mary Dickey	<i>Clinton</i>	F. H.
Helen May Dresser	<i>Portland</i>	M. L. H.
Mamie Drisko	<i>Columbia Falls</i>	M. L. H.
Marion Drisko	<i>Columbia Falls</i>	M. L. H.
Marion Louise Drisko	<i>Jonesport</i>	F. H.
Elizabeth Josephine Dyar	<i>Farmington</i>	39 Gold St.
Berlyn Bessie Files	<i>Waterville</i>	48 High St.
Hilda Cecile Fiset	<i>Waterville</i>	110 Silver St.
Gertrude Claire Fletcher	<i>Monticello</i>	F. H.
Lona Eulalie Fowles	<i>Oakland</i>	Oakland
Helen May Freeman	<i>Bath</i>	F. H.
Elizabeth Howe Griffin	<i>Camden</i>	M. L. H.
Arlene Jewell Harris	<i>Fairfield</i>	11 Elm St.

Feneda Betty Hawksley	<i>Waterville</i>	2 Bartlett St.
Grace Eleanor Hawes	<i>Skowhegan</i>	F. H.
Mildred Olivia Hawes	<i>Waterville</i>	Essex Road
Feneda Betty Hawksley	<i>Dyer Brook</i>	M. L. H.
Ruth Violet Jameson	<i>Warren</i>	M. L. H.
Ida Frances Jones	<i>Lakeport, N. H.</i>	M. L. H.
Elizabeth Huby Kellett	<i>Lawrence, Mass.</i>	M. L. H.
Marjorie Alice Kemp	<i>Deblois</i>	D. H.
Elizabeth Burnham Larrabee	<i>Waterville</i>	32 Morrill Ave.
Addarena Jane Lightbody	<i>Waterville</i>	Allen St.
Melva Mercedes Mann	<i>Milltown</i>	M. L. H.
Helen Gertrude McCobb	<i>Center Lincolnville</i>	F. H.
Avis Merle Newman	<i>Warren</i>	M. L. H.
Doris Bisbee Ogier	<i>Camden</i>	M. L. H.
Lucy Maria Osgood	<i>Pittsfield, N. H.</i>	D. H.
Helen Eloise Pierce	<i>So. Portland</i>	M. L. H.
Edythe Duffy Porter	<i>Lubec</i>	F. H.
Thelma Abbie Powers	<i>Richmond</i>	F. H.
Marguerite Carlos Cecelia Rice	<i>Verona, N. J.</i>	F. H.
Arlene Elizabeth Ringrose	<i>Freeport</i>	D. H.
Mary Thelma Ryder	<i>Leeds Center</i>	F. H.
Ruby Marion Shuman	<i>Weeks Mills</i>	F. H.
Marguerite Starbird	<i>Oxford</i>	F. H.
Louise Lee Steele	<i>Lawrence, Mass.</i>	M. L. H.
Myrtice Ethel Swain	<i>Farmington</i>	F. H.
Louisa Katherine Tilley	<i>Ashland</i>	M. L. H.
Mildred Mae Todd	<i>Fort Fairfield</i>	D. H.
Leonette McGregor Warburton	<i>Lawrence, Mass.</i>	M. L. H.
Mary Elizabeth Warren	<i>Waterville</i>	233 Main St.
Edith Margaret Weller	<i>Brandon, Vt.</i>	D. H.
Myrtle Gertrude Weller	<i>Brandon, Vt.</i>	D. H.
Eleanor Wilkins	<i>Houlton</i>	D. H.
Helen Williams	<i>Woodfords</i>	D. H.
Doris Elizabeth Wyman	<i>Medford, Mass.</i>	M. L. H.

## FRESHMAN—Class of 1924

Doris Amanda Ackley	<i>North Lubec</i>	M. L. H.
Ruth Armida Allen	<i>Portland</i>	D. H.
Mildred Emma Bickmore	<i>Charleston</i>	5 Greylock St.
Waneta Taylor Blake	<i>Waterville</i>	69 Elm St.
Martha Marden Briggs	<i>Waterville</i>	13 Ticonic St.



Marion Doten Brown	<i>Waterville</i>	20 Boutelle Ave.
Celia Isadore Clary	<i>Livermore Falls</i>	D. H.
Cathryn Allen Cole	<i>Waterville</i>	2 School St.
Doris May Cole	<i>Winslow</i>	Winslow
Alice Velma Crocker	<i>Lee</i>	F. H.
Marion Louise Cummings	<i>Hebron</i>	M. L. H.
Sipprelle Riecker Daye	<i>Waterville</i>	157 College Ave.
Alta Susan Doe	<i>Weeks Mills</i>	Fairfield
Hellen Louise Emmons	<i>Brunswick</i>	M. L. H.
Anna Christina Isadore Erickson	<i>Middleboro, Mass.</i>	M. L. H.
Zeetah Hazel Estey	<i>Waterville</i>	112 Silver St.
Beatrice May Ewan	<i>Chelsea, Mass.</i>	D. H.
Ruth Fairbanks	<i>Winthrop</i>	3 Greylock St.
Ruth Fifield	<i>Stonington</i>	F. H.
Mary Cowie Ford	<i>Mars Hill</i>	D. H.
Margaret Thayer Gilmour	<i>Lubec</i>	D. H.
Ervena Ioletta Goodale	<i>Fairfield</i>	Fairfield
Dorothy May Gordon	<i>Woodfords</i>	D. H.
Viora Mae Grasse	<i>Limestone</i>	D. H.
Edith Annie Gray	<i>Stonington</i>	F. H.
Therese Louise Hall	<i>Albion</i>	239 Main St.
Ethel Harmon	<i>Caribou</i>	M. L. H.
Katrina Ingrid Hedman	<i>Jemtland</i>	20 College Ave.
Maude Herron	<i>Waterville</i>	2 Elm Terrace
Carolyn Lord Hodgdon	<i>South Berwick</i>	M. L. H.
Esther Martha Holt	<i>Clinton</i>	M. L. H.
Vivian Mary Hubbard	<i>Skowhegan</i>	1 Boutelle Ave.
Viola Florilla Jodrey	<i>Lee</i>	2 College Place
Helen Frances Libby	<i>Portland</i>	D. H.
Lovine Alberta Libby	<i>Dover</i>	7 Getchell St.
Esther Althea Lord	<i>Center Lebanon</i>	F. H.
Alice Eliza Manter	<i>Oakland</i>	Oakland
Grace Marion Martin	<i>Gardiner</i>	F. H.
Agnes Hill McBride	<i>Lubec</i>	D. H.
Marion Alice Merriam	<i>Skowhegan</i>	M. L. H.
Alice Kathleen Nelligan	<i>Waterville</i>	26 Benton Ave.
Elizabeth O'Donnell	<i>Waterville</i>	20 Sanger Ave.
Ruth Beatrice Pennock	<i>Waterville</i>	14 Winter St.
Helen Hoyt Pratt	<i>Corning, N. Y.</i>	66 Burleigh St.
Ethel May Reed	<i>Harmony</i>	F. H.
Edith Merle Rokes	<i>Warren</i>	M. L. H.

## Students

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Marjorie Pullen Rollins	<i>Winthrop</i>	14 Dalton St.
Dorothy Sprague Secord	<i>Portland</i>	D. H.
Cecilia Agnes Simpson	<i>Waterville</i>	5 Grove St.
Pearl Burke Thompson	<i>Lee</i>	F. H.
Margaret Elsie Turner	<i>Stonington</i>	D. H.
Emile Elizabeth Vigue	<i>Waterville</i>	6 Park Place
Mary A. Haynes Whitten	<i>Burnham</i>	33 High St.
June Belzora Williams	<i>Charleston</i>	F. H.
Alice Hilda Worthen	<i>Corinna</i>	F. H.
Evangeline West York	<i>South Portland</i>	M. L. H.

### SPECIAL AND UNCLASSIFIED

Grayce Annie Campbell	<i>Ashland</i>	D. H.
Beryl Ruth Collier	<i>Ashland</i>	13 Center St.
Beulah Cook	<i>Newport</i>	239 Main St.
Lena Geneva Cooley	<i>Harmony</i>	Fairfield
Marita Cooley	<i>Bingham</i>	F. H.
Lillian Ursula Cyr	<i>Waterville</i>	9 Summer St.
Mary Bingham Eastman	<i>Waterville</i>	109 Silver St.
Ruby Emily Frost	<i>Bingham</i>	M. L. H.
Bessie Ruth Levine	<i>Waterville</i>	33 Ticonic St.
Mamie Warren	<i>Waterville</i>	17 Clinton Ave.
Mary Beatrice Annie Simpson	<i>Ashland</i>	D. H.
Helen Worster Springfield	<i>Waterville</i>	52 Pleasant St.
Margaret Elizabeth White	<i>Augusta</i>	F. H.
Elvina Whitten	<i>Oakland</i>	Oakland

## Summary

### OFFICERS OF INSTRUCTION

Faculty ..... 27

### STUDENTS

	Men	Women	Total by Classes
Seniors .....	54	41	95
Juniors .....	51	39	90
Sophomores .....	60	67	127
Freshmen .....	83	56	139
Special and Unclassified.....	20	14	34
Total .....	268	217	485

# HONORS AND PRIZES AWARDED 1919-1920

## THE MEN'S DIVISION

### Class of 1920

COMMENCEMENT. Prize for excellence in English Composition. Not awarded.

MEMBERS OF THE PHI BETA KAPPA. John Foster Choate, Daniel Milton Crook, John Woolman Brush, Earle Stanley Tyler.

### Class of 1921

JUNIOR EXHIBITION. First Prize, Harold Chesterfield Marden; Second Prize, Phil Thaddeus Somerville.

### Class of 1922

SOPHOMORE DECLAMATION. First and Second Prizes divided between Clyde Edwin Russell and Evan John Shearman.

### Class of 1923

FRESHMAN READING. Hamlin Prizes, First Prize, Floyd Thomas McIntyre; Second Prize, divided between Samuel Pinonsky and Donald Delmont Raymond.

FRESHMAN SCHOLARSHIP PRIZES. First Prize, Frederick Gardiner Fassett, Jr.; Second Prize, Galen Eustis.

### German Prizes

Prizes for excellence in German: First Prize, John Philip Tilton, '23; Second Prize, Harold Chesterfield Marden, '21.

### Greek Prizes

FOSTER MEMORIAL PRIZE. For excellence in the interpreting of Greek Authors: Henry Lorne Bell.

### Lyford Prizes for 1919-1920

First Prize, Francis O'Connor, of the Bangor High School; Second Prize, Wesley D. Gilpatrick, of the New Hampton Literary Institute; Third Prize, Paul W. Williams, of Edward Little

High School; Fourth Prize, divided between William E. Young, of Jordan High School, and Hudson Brenneck, of Stephens High School.

**Murray Debating Prizes for 1919-1920**

First Prize, John Woolman Brush, '20, Charles Archie Mitchell, '21, Thomas Gerard Grace, '21, and Thomas Randolph Cook, '22, alternate, representing the affirmative; Second Prize, Herbert Armond Perkins, '22, Ralph Clarke Bradley, '22, Donald Arthur Shaw, '21, and Leonard Withington Mayo, '22, alternate, representing the negative.

**Hallowell Prizes for 1919-1920**

First Prize, Edward Coburn Niles, '22; Second Prize, Samuel Pinonsky, '23; Third Prize, Donald Arthur Shaw, '21; Fourth Prize, Clyde Edwin Russell, '22.

**Goodwin Prizes for 1919-1920**

First Prize, Earle Stanley Tyler, '20; Second Prize, John Foster Choate, '20; Third Prize, Harold Thomas Urie, '20; Fourth Prize, Donald Arthur Shaw, '21.

**THE WOMEN'S DIVISION**

**Class of 1920**

COMMENCEMENT. Prize for excellence in English Composition. Not awarded.

MEMBERS OF THE PHI BETA KAPPA. Madge Colby Tooker, Marion Roberta Waterman, Stella Louise Greenlaw, Eleanor Larissa Burdick, Lillian Longley Dyer.

**Class of 1921**

JUNIOR EXHIBITION. First Prize, Gladys Emmelyn Dow; Second Prize, Adelle Medora McLoon.

**Class of 1922**

SOPHOMORE DECLAMATION. First Prize, Mae Stanford Greenlaw; Second Prize, divided between Catherine Bates and Dorothy Vaughn Sylvester.

**Class of 1923**

FRESHMAN READING. Hamlin Prizes. Not awarded.

FRESHMAN SCHOLARSHIP PRIZES. First Prize, Ida Frances Jones; Second Prize, Melva Mercedes Mann.

**German Prizes**

Prizes for excellence in German: First Prize, Mary Irene Whitcomb, '22; Second Prize, Ruth Elizabeth Mosher, '21.

**Greek Prizes**

FOSTER MEMORIAL PRIZE. For excellence in the interpreting of Greek Authors. Not awarded for the present year.

PROGRAM OF NINETY-NINTH COMMENCEMENT  
AND THE HUNDREDTH ANNIVERSARY OF THE  
FOUNDING OF THE COLLEGE

Wednesday, June 30, 1920

ORDER OF EXERCISES

Music

Prayer

Music

ANNIVERSARY ADDRESS by Shailer Mathews, D.D, Dean of the  
Divinity School of Chicago University, Graduate of Colby in  
the Class of 1884.

Conferring of Degrees

Awarding of Prizes

Benediction

**Honors in General Scholarship**

**Summa Cum Laude**

Madge Colby Tooker

**Magna Cum Laude**

Marion Roberta Waterman

**Cum Laude**

James LeRoy Wilson

Daniel Milton Crook

John Foster Choate

John Woolman Brush

Earle Stanley Tyler

Stella Louise Greenlaw

Lillian Longley Dyer

Eleanor Larissa Burdick

Esther Melvina Power

Alice Adele Hanson

## Degrees Conferred in 1920

### BACHELOR OF ARTS

#### The Men's Division

Phinehas Putnam Barnes.....	Houlton
Henry Lorne Bell.....	Newton Centre, Mass.
Harold Eugene Brakewood.....	Gallup Mills, Vt.
John Woolman Brush.....	Mount Vernon, N. Y.
Everett White Bucknam.....	Harrington
Daniel Milton Crook.....	Fall River, Mass.
Curtis Hugh Ross Hatch.....	Fairfield
Harry Earle Lewin.....	Houlton
Ernest Leroy McCormack.....	Wytopitlock
Hugh Allen Smith.....	Pittsfield
Ray Ellington Smith.....	Waterville
Earle Stanley Tyler.....	Harrington
Harold Thomas Urie.....	Byfield, Mass
Charles Everett Vigue.....	Waterville
Robert Edward Wilkins.....	Houlton
James Leroy Wilson.....	Houlton

#### The Women's Division

Mildred Evelyn Barrows.....	Pine Point
Alice Kathryn Bishop.....	Eastport
Alfreda King Bowie.....	Portland
Eleanor Larissa Burdick.....	Monson, Mass.
Retta Ellen Sadie Carter.....	Portland
Gladys Mona Chase.....	Skowhegan
Lillian Longley Dyer.....	Oakland
Anna E. Fleming.....	Island Falls
Helen Mudgett Getchell.....	Limestone
Stella Louise Greenlaw.....	Calais
Alice Adele Hanson.....	Portland
Pauline Higginbotham.....	Dorchester, Mass.
Esther Melvina Power.....	Peabody, Mass.
Eleanor Seymour.....	Brooklyn, N. Y.
Harriet Lawrence Sweetser.....	Yarmouth

Madge Colby Tooker.....Cherryfield  
 Marion Roberta Waterman.....Belfast  
 Ruth Ella Wills.....Monson, Mass.

## BACHELOR OF SCIENCE

### The Men's Division

Charles Martin Bailey.....Winthrop  
 Elliot Elroy Buse.....East Chicago, Ind.  
 Raymond Oliver Brinkman.....Hartford, Conn.  
 Rudolph Edward Castelli.....Chester, Conn.  
 John Foster Choate.....Cambridge, Mass.  
 Edward Moody Cook.....York Village  
 Laureston Alpheus Craig.....Island Falls  
 Lewis Silsby Crosby.....Aurora  
 Harold Norcross Dempsey.....Stillwater  
 Charles Spurgeon Eaton.....Norwood, Mass.  
 Rhoden Basse Eddy.....Shelburne, Mass.  
 Hubert Adams Emery.....Shawmut  
 Sewell LeRoy Flagg.....Portland  
 Albert Leonhardt Fraas.....Fitchburg, Mass.  
 Harold Wilson Goodrich.....Pittsfield, Mass.  
 Merrill Selden Frederick Greene.....Athens  
 Myron Clifton Hamer.....Guilford  
 Howard Foster Hill.....Waterville  
 Pearl Libby Hanscom.....Waterville  
 Ralph King Harley.....South Hanson, Mass.  
 Donald Gleason Jacobs.....East Pepperell, Mass.  
 Colby Bartlett Kalloch.....Fort Fairfield  
 Jacob Astor Klain.....Norway  
 Edwin Farnham Mabie.....Waterville  
 Harry Birdsill McIntyre.....Houlton  
 Rafael Joseph Miranda.....New York, N. Y.  
 Lyman Rogers Morse.....Jamestown, R. I.  
 Harold Abram Osgood.....Medford, Mass.  
 William Russell Pedersen.....Portland  
 Jonas Gleason Perry.....Camden  
 Everett Adolphus Rockwell.....Smyrna Mills  
 George Robert Skillin.....Medford, Mass.  
 Carl Webster Robinson.....Meredith, N. H.



Vi Tsu Sun.....Linghu, Chekiang, China  
 Clarence Andrew Tash.....Strong  
 Thaddeus Freeman Tilton.....Woodfords  
 Daniel Percival Tozier.....Oakland  
 Seth Ginery Twichell.....Fitchburg, Mass.  
 Harold Cummings White.....Winslow

#### The Women's Division

Eliza Hill Gurganus.....Kingston, Mass.  
 Mattie Lucile Kidder.....Waterville  
 Alice Lillian Mathews.....Portland

#### Master of Arts

Hildegard Veth Drummond, of the class of 1919.  
 Thesis: *The Economic Aspects of the Non-Partisan League.*

### HONORARY DEGREES

#### Doctor of Laws

Herbert Mayhew Lord (1884) .....Washington, D. C.  
 George Otis Smith (1893).....Washington, D. C.  
 Kenneth Charles Morton Sills.....Brunswick  
 Charles Leonard Phillips (1878).....Seattle, Wash.  
 Arthur Jeremiah Roberts (1890).....Waterville

#### Doctor of Divinity

Arthur Wordsworth Cleaves (1898).....Newburyport, Mass.

#### Master of Arts

Lester Colwell Miller (1893).....Worcester, Mass.

## 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 Zoölogy, consisting of five hours each week, including the subjects covered by such a book as Davenport's Introduction to Zoölogy, 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 Zoölogy. Davison's Practical Zoölogy includes the amount expected for Zoölogy, 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 Remsen's Briefer Course, or some book of similar scope.

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 presented 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 Waterville, 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 recitation 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.

FOR STUDENTS ENTERING IN 1921 AND 1922, the following are the books for Reading and Practice:

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 Æneid; the Odyssey and the Æneid should be read in English translations of recognized literary excellence.

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

GROUP 3. PROSE FICTION.—Dickens's 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.

GROUP 5. POETRY.—Tennyson's The Coming of Arthur, Gareth and Lynette, Lancelot and Elaine, The Passing of Arthur; Browning's Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Hervé Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City, The Italian in England, The Patriot, The Pied Piper, "De Gustibus"—, Instans Tyrannus; Scott's The Lady of the Lake; Coleridge's The Ancient Mariner; and Arnold's Sohrab and Rustum.

**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 following are the books for Study and Practice:

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 into 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 de 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", Mairêt's "La tâche du petit Pierre", Mérimé's "Columba", 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's 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 “L’Avare”, and “Le bourgeois gentilhomme”, George Sand’s stories, Sandeau’s “Mademoiselle de la Seiglière”, Scribe’s plays, Vigny’s “La carne 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.—Either 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.



Roman History.—Either Allen's Short History of the Roman People, or Botsford's or Meyers' 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

READING. Cæsar's Gallic War, Books I-IV; or Books I-III, and Sallust's Catiline.

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, must be presented for examination. At least one-half of these experiments must 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**

**B. S. COURSE**

**REQUIRED**

**REQUIRED**

	Units
English .....	3
Latin .....	4
†Algebra .....	1½
†Plane Geometry .....	1
§History .....	1

	Units
English .....	3
†Algebra .....	1½
†Plane Geometry .....	1

**OPTIONAL**

**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

Solid Geometry .....	½
Advanced Mathematics.	1
*French, 2 years.....	2
*German, 2 years.....	2
Latin, each year.....	1
Greek, each year.....	1
Greek History.....	½
Roman History.....	½
¶English History...½ or 1	
¶American History.½ or 1	
Physics .....	1
Chemistry .....	1
Biology .....	1
¶Physiography ....½ or 1	
Physiology .....	½

†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, provided 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. 49). 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 22, at Chemical Hall. Examinations for admission are also held at the opening of the first semester, September 20-21.

#### (B) At the Preparatory School

Examination papers in all the required and optional subjects for admission to Colby (p. 49) 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 1921 on May 23, 24, and 25.

Applications for papers should be made to the Registrar and must be received not later than May 18. 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 is not substituted; Greek 5, 6, 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	French 5, 7 or 6, 8	Greek 5, 6
Chemistry 1, 2	Geology 1, 2	Latin 1, 3 or 2, 4
Drawing 1, 2	Geography 1, 2	Physics 1, 3 or 2, 4
French 1, 2	German 1, 3 or 2, 4	Rhetoric 1, 3 or 2, 4
French 3, 4	German 5, 6	Spanish 1, 2
	Greek 1, 2	

**SOPHOMORE YEAR.** Candidates for the B.A. degree are required to take (1) the first year of Rhetoric (Rhetoric 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 A.B., 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.
- B. History, Economics, and Philosophy. (This group includes Art.)
- C. Mathematics, and the Physical and Natural sciences.

*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

For the class of 1922 and all subsequent classes, the following is the administrative requirement:

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.

Candidates for the degree B.S. will be required to major in Biology, Chemistry, Geology, Mathematics, or Physics.



## COURSES OF INSTRUCTION

NOTES: The hours for recitation given after each course conform to the new schedule of Courses found on pages 104-106.

Courses in brackets are not given for the current year, 1920-1921.

### ASTRONOMY

ASSOCIATE PROFESSOR TREFETHEN

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 a filar micrometer eyepiece.

1. GENERAL ASTRONOMY. First Semester: Tuesday, Thursday, Saturday, 8.00.

Young's Manual of Astronomy is used as a text-book. Recitations, discussions, informal lectures. Observations of astronomical phenomena and simple problems in practical astronomy. Study of almanacs, charts, globes, and lantern slides. Theory and use of instruments with practical exercises.

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

PRESIDENT ROBERTS, PROFESSORS WHITE, LIBBY, HANNAY, TREFETHEN, BROWN, AND MORROW

1. BIBLE STUDY. The course attempts to give to students a knowledge of the contents of the Bible itself, with some study of

its historical and geographical background. First Semester: Tuesday, 3.30-5.00.

Elective for such students as are able to carry more than the required number of courses.

2. BIBLE STUDY. Continuation of Course 1. Second Semester: Tuesday, 3.30-5.00.

Elective for such students as are able to carry more than the required number of courses.

Courses 1 and 2 will count as one semester course of three hours.

### 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 convenience 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 10.00; Laboratory Divisions, Monday, 10.00-12.00, 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 students with the general biology of both the animal and plant organism. In them are studied the 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. The unicellular animals and plants are used to illustrate the simpler metabolic processes of organisms. Hydra, the earthworm and the crayfish among animals; the fern and the flowering plants among plants, are used to illustrate the more complex processes. A brief survey of the theories of evolution and the methods of heredity are also included.

[7. **BIOLOGY: PHYSIOLOGY, HYGIENE, AND SANITATION.** First Semester: Tuesday, Thursday, Saturday, 8.00; Laboratory hours, Wednesday, 1.30-3.30.]

A general study of physiology of the human body followed by a discussion of personal hygiene. Recitations and lectures.

Elective for Sophomores, Juniors and Seniors.  
Given in alternate years.

[8. **BIOLOGY: PHYSIOLOGY, HYGIENE, AND SANITATION.** Second Semester: at the same hours.]

A continuation of Course 7 in which will be treated the more general subjects of Sanitation in its relation to health and disease.

Elective for those who have had Biology 7.  
Given in alternate years.

1. **ZOOLOGY.** First Semester: Tuesday, Thursday, Saturday, at 8.00; Laboratory hours, Wednesday, 1.30-3.30.

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.

Given in alternate years.

2. **ZOOLOGY: EVOLUTION AND GENETICS.** Second Semester: at the same hours.

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. Three hours of recitation or lecture each week and two hours for laboratory or outside reading will be required.

Elective for those who have taken Biology 1 and 2, and for Seniors who have never taken work in Biology.

Given in alternate years.

3. VERTEBRATE ANATOMY AND DEVELOPMENT. First Semester: Monday, Wednesday, Friday, 8.00-10.00.

The study of the mammal is used to illustrate vertebrate structure. Explanation of the various parts is made clearer by comparison with the same structures in lower vertebrates. Some practice in making microscopic slides is introduced. In the latter part of the year the development of vertebrate forms is studied.

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

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

Elective for those who have taken Course 3.

## CHEMISTRY

PROFESSOR PARMENTER, MR. BRISCOE AND MR. DREW.

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 at 11.00; Laboratory hours, Monday, 10.00-12.00, 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.  
MR. BRISCOE.  
MR. DREW.

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.  
MR. BRISCOE.  
MR. DREW.

3. HOUSEHOLD CHEMISTRY. First Semester: Wednesday, Friday, 9.00; 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-organisms. 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, 10.00-12.00; 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. BRISCOE.

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.

Elective for students who have passed Chemistry 5.

MR. BRISCOE.

7. QUANTITATIVE ANALYSIS. First Semester: Tuesday, Thursday, Saturday, 8.00-10.00.

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 continuation of Course 7. Theoretical and 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.

MR. DREW.

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

Course 9 continued. A consideration of benzene, its derivatives and the more important carbocyclic structures. Special emphasis on the benzene theory and the relation between chemical constitution and some physical properties. Lectures, quizzes and laboratory work.

Elective for Juniors and Seniors who have passed Chemistry 9.

MR. DREW.

11. PHYSICAL CHEMISTRY. First Semester: Tuesday, Thursday, 9.00; Laboratory hours, Saturday, 8.00-10.00.

Theory, fundamental laws and methods of physical chemistry; including law of mass action; modern theory of solutions; phase rule; thermochemistry; chemical equilibrium; catalysis and electro chemistry. Lectures, quizzes and laboratory.

Elective for Juniors and Seniors who have passed Chemistry 6.

MR. DREW.

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

A continuation of Chemistry 11, with laboratory work on molecular weight determinations, by vapor density, freezing point and boiling point methods;

dissociation; velocity of reactions and electro-chemistry.

Elective for Juniors and Seniors who have passed Chemistry 11.

Students may elect Chemistry 7, 9 and 11 simultaneously.

MR. DREW.

13. INDUSTRIAL CHEMISTRY. First Semester: Monday, Wednesday, Friday, 8.00.

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 laboratory work with visits to plants.

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

MR. BRISCOE.

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. BRISCOE.

15. QUANTITATIVE ANALYSIS, ADVANCED. First Semester: Tuesday, Thursday, Saturday, 10.00-12.00.

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 polariscope, colorimeter, refractometer, etc. Laboratory work with lectures and written reports.

Elective for Seniors who have passed Chemistry 7 and 8.

PROFESSOR PARMENTER.  
UNIVERSITY OF ILLINOIS



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 potable 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.

17. ORGANIC CHEMISTRY, ADVANCED. First Semester: Monday, Thursday, Friday, 1.30-3.30.

Lectures on the carbohydrates, dyes, drugs, tautomerism, color and constitution, stereo-chemistry and valency. Laboratory work on selected more advanced syntheses than any attempted in Chemistry 9 or 10.

Elective for Seniors who have passed Chemistry 10.

MR. DREW.

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.  
MR. BRISCOE.  
MR. DREW.

### 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. A knowledge of Solid Geometry is required.

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

**Economics**

1. PRINCIPLES OF ECONOMICS. First Semester: Div. A, Tuesday, Thursday, Saturday, 8.00; Div. B, 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.

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.

[3. PUBLIC FINANCE. First Semester: Monday, Wednesday, Friday, 11.00.]

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.

[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.

5. CORPORATIONS. First Semester: Monday, Wednesday, Friday, 11.00.

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.

Given in alternate years.

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.

### Sociology

1. PRINCIPLES OF SOCIOLOGY. First Semester: Tuesday, Thursday, Saturday, 9.00.

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.

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.

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.

## ENGLISH LITERATURE

## English and American Literature

PRESIDENT ROBERTS AND PROFESSOR HANNAY

1. ANGLO-SAXON. First Semester: Monday, Wednesday, Friday, 9.00.

A course in Germanic Philology and in the literature of the Old English period.

Elective for Juniors and Seniors.

Offered in 1920-1921 and in alternate years.

PROFESSOR HANNAY.

2. CHAUCER. Second Semester: Monday, Wednesday, Friday, 9.00.

An introductory outline of Middle English literature, followed by a study of Middle English grammar and an intensive study of the Prologue, many of the Canterbury Tales, and other works of Chaucer. Constant emphasis upon the historical development of the Language is maintained.

Elective for Juniors and Seniors.

Offered in 1920-1921, and in alternate years.

PROFESSOR HANNAY.

- [3. THE HISTORY, DEVELOPMENT, AND TECHNIQUE OF THE DRAMA TO 1642. First Semester: Monday, Wednesday, Friday, 9.00.]

A course involving extensive reading in the early drama, all of Shakespeare, and representative plays down to the closing of the theatres.

Elective for Juniors and Seniors who have completed English 5 and 6.

Offered in 1921-1922, and in alternate years.

PROFESSOR HANNAY.

- [4. THE HISTORY, DEVELOPMENT AND TECHNIQUE OF THE DRAMA TO 1642. Second Semester: Monday, Wednesday, Friday, 9.00.]

A continuation of Course 3, with the same requirements of candidates and the same conditions of work.

Elective for Juniors and Seniors who have completed English 3.

Offered in 1921-1922 and in alternate years.

PROFESSOR HANNAY.

5. ENGLISH LITERATURE IN OUTLINE. First Semester: Division A, Monday, Wednesday, Friday, 8.00; Division B, Tuesday, Thursday, Saturday, 8.00.

A rapid survey of English literature from the earliest Anglo-Saxon times to Milton.

Elective for all classes except the Freshman.

PROFESSOR HANNAY.

6. ENGLISH LITERATURE IN OUTLINE. Second Semester: Division A: Monday, Wednesday, Friday, 8.00; Division B: Tuesday, Thursday, Saturday, 8.00.

A continuation of Course 5 from Dryden to the present, with the same requirements of candidates and the same conditions of work.

Elective for all classes except the Freshman.

Offered in 1921-1922.

PROFESSOR HANNAY.

7. MILTON, WORDSWORTH, TENNYSON, AND BROWNING. First Semester: Monday, Wednesday, Friday, 10.00.

Elective for men and women who have completed Courses 5 and 6.

PRESIDENT ROBERTS.

8. MILTON, WORDSWORTH, TENNYSON, AND BROWNING. Continuation of Course 7. Second Semester: at the same hours.

Elective for those who have completed Course 7.

PRESIDENT ROBERTS.

[7. PURITANISM AND ROMANTICISM. First Semester: Monday, Wednesday, Friday, 10.00.]

A detailed study of two great modern literary expressions centering in the work of Milton and of Wordsworth.

Elective for students who have completed English 5 and 6.

Offered in 1921-1922.

PROFESSOR HANNAY.

[8. PURITANISM AND ROMANTICISM. Second Semester: Monday, Wednesday, Friday, 10.00.]

A continuation of Course 7, with the same requirements of candidates and the same conditions of work.

Elective for Juniors and Seniors who have completed English 7.

Offered in 1921-1922.

PROFESSOR HANNAY.

[9. VICTORIAN POETRY. First Semester: Tuesday, Thursday, Saturday, 9.00.]

An intensive study of the poetic expression of the nineteenth century, with special emphasis upon the work of Tennyson and of Browning.

Elective for Juniors and Seniors who have completed English 5 and 6.

Offered in 1921-1922 and in alternate years.

PROFESSOR HANNAY.

[10. VICTORIAN POETRY. Second Semester: Tuesday, Thursday, Saturday, 9.00.]

A continuation of Course 9, with the same requirements of candidates and the same conditions of work.

Elective for Juniors and Seniors who have completed English 9.

Offered in 1921-1922 and in alternate years.

PROFESSOR HANNAY.

11. AMERICAN LITERATURE. First Semester: Tuesday, Thursday, Saturday, 9.00.

A survey of the whole field of American literary development from the beginnings to the present.

Elective for Juniors and Seniors who have completed English 5 and 6.

Offered in 1920-1921, and in alternate years.

PROFESSOR HANNAY.

12. CONTEMPORARY LITERATURE. Second Semester: Tuesday, Thursday, Saturday, 9.00.

A study of present day English and American literary expression in poetry, the drama, the short-story, and the novel.

Elective for Juniors and Seniors who have completed English 11.

Offered in 1920-1921, and in alternate years.

PROFESSOR HANNAY.

**ENGLISH COMPOSITION**

ASSISTANT PROFESSOR BROWN AND MR. ROLLINS.

1. **ENGLISH COMPOSITION.** First Semester: Div. A, Monday, Wednesday, Friday, 8.00; Div. B, Monday, Wednesday, Friday, 10.00; Div. C, Tuesday, Thursday, Saturday, 8.00.

The work of this course is basic; its aim is to give the student a reasonable mastery of the English language, and hence to equip him for successful college work, especially for further work in composition and literature. Emphasis is put upon clear, orderly thinking; upon correctness in speaking and writing; and upon literary methods in various forms of composition.

The work consists of recitations, class discussions, outside reading, and much original composition.

Text-book: Manley and Rickert's *The Writing of English*.

Required of men of the Freshman or Sophomore class.

ASSISTANT PROFESSOR BROWN.  
MR. ROLLINS.

2. **ENGLISH COMPOSITION.** Identical with Course 1. First Semester: Div. A, Monday, Wednesday, Friday, 11.00; Div. B, Tuesday, Thursday, Saturday, 10.00; Div. C, Tuesday, Thursday, Saturday, 11.00.

Required of women of the Freshman or Sophomore class.

ASSISTANT PROFESSOR BROWN.

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. ROLLINS.

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

Required of the women of the Freshman or Sophomore class.

ASSISTANT PROFESSOR BROWN.



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

Designed for students who are especially interested in writing. The work is an intensive study in the methods of the Short-story, of the One Act Play, of the Magazine Article, and of Verse. There is no attempt at professional training: the course is rather informing and cultural—the aim being to increase the student's appreciation of these forms of literature; and to aid him 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. ROLLINS.

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

MR. ROLLINS.

## FRENCH

ASSOCIATE PROFESSOR HARRY, ASSISTANT PROFESSOR HELIE AND  
MR. NELSON

1. **THE ELEMENTS OF FRENCH GRAMMAR.** First Semester: Monday, Thursday, Friday, 3.30.

Abundant oral and written exercises. Careful drill in pronunciation. Translation of easy prose.

For requirements in modern languages for graduation, see pages 51-52.

MR. NELSON.

2. **THE ELEMENTS OF FRENCH GRAMMAR (continued).** Second Semester: at the same hours.

Oral and written exercises, continued. The irregular verbs completed. Translation of easy texts such as Montvert's *La Belle France*, Labiche et Martin's *Le Voyage de Monsieur Perrichon*, and others. Dictation and conversation based upon the text read.

Requirements are the same as in Course 1.

MR. NELSON.

3. INTERMEDIATE FRENCH. First Semester: Div. A, Monday, Wednesday, Friday, 11.00; Div. B, Monday, Thursday, Friday, 2.30.

Grammar completed. Francois' Prose Composition. Conversation based upon some collection of French anecdotes. Dictation.

The following texts are read: Quelques Contes des Romanciers Naturalistes (Dow & Skinner); France, Le Levre de Mon Ami; Halévy, L'Abbé Constantin; Coppée, On Rend l'Argent; Daudet, Contes.

Elective for Freshmen, Sophomores and Juniors who have completed Course 2, or who have offered two units in French for admission.

ASSISTANT PROFESSOR HELIE.

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

ASSISTANT PROFESSOR HELIE.

5. NINETEENTH CENTURY FRENCH. First Semester: Tuesday, Thursday, Saturday, 9.00.

Extensive reading of selected works of French writers of the nineteenth century. One additional text assigned for outside reading. Advanced prose composition. Conversation and dictation.

Elective for men of the Freshman class who offer three units of French for admission, and for men of the Sophomore, Junior and Senior classes who have completed Course 4, or who have offered three units for admission.

ASSISTANT PROFESSOR HELIE.

6. SAME AS COURSE 5. First Semester: Div. A and Div. B, Tuesday, Thursday, Saturday, 8.00.

Elective for women of the Freshman class who offer three units for French for admission, and for women of the Sophomore, Junior and Senior classes who have completed Course 4, or who have offered three units of French for admission.

ASSOCIATE PROFESSOR HARRY.  
ASSISTANT PROFESSOR HELIE.

7. CONTINUATION OF COURSE 5. Second Semester: at the same hours as Course 5.

Elective for men of all classes who have completed Course 5.

ASSISTANT PROFESSOR HELIE.

8. CONTINUATION OF COURSE 6. Second Semester: at the same hours as Course 6.

Elective for women of all classes, who have completed Course 6.

ASSOCIATE PROFESSOR HARRY.  
ASSISTANT PROFESSOR HELIE.

9. COMMERCIAL FRENCH. First Semester: Monday, Wednesday, Friday, 10.00.

Drill in commercial correspondence using Graham & Oliver's French Commercial Practice connected with the Export and Import Trade. Abundant oral exercises.

Elective for Juniors and Seniors who have completed Courses 5 and 7, or 6 and 8.

MR. NELSON.

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

MR. NELSON.

11. NINETEENTH CENTURY NOVEL. First Semester: Tuesday, Thursday, Saturday, 10.00.

Representative works of the following authors are read: Chateaubriand, Victor Hugo, Balzac, Flaubert, Daudet, Renan, Anatole France. Collateral reading and reports. Dictation and lectures in French. Strowski: *Tableau de la Littérature Française au XIX<sup>e</sup> Siècle* is used as a reference book.

Elective for students who have completed Courses 7 and 8.

ASSOCIATE PROFESSOR HARRY.  
ASSISTANT PROFESSOR HELIE.

12. NINETEENTH CENTURY DRAMA. Second Semester: at the same hours.

This course includes a study of Victor Hugo and the Romantic Drama; the French theatre as represented chiefly by Scribe, Dumas fils, Augier and Sardou; and a few plays of living representative French playwrights.

ASSOCIATE PROFESSOR HARRY.  
ASSISTANT PROFESSOR HELIE.

13. THE CLASSICAL DRAMA. First Semester: Monday, Thursday, Friday, 2.30.

A study of the drama of Corneille, Racine, and Molière. Collateral reading and reports. Dictation and short lectures in French. Special attention is given also to the more important prose writers of the seventeenth century.

Elective for Sophomores, Juniors and Seniors, who have completed Courses 5 and 7, or 6 and 8.

ASSOCIATE PROFESSOR HARRY.

ASSISTANT PROFESSOR HELIE.

14. HISTORY OF THE FRENCH LITERATURE OF THE EIGHTEENTH CENTURY. Second Semester: at the same hours.

A study is made of Voltaire, Le Sage, Beaumarchias, Marivaux and Rousseau. Collateral reading and reports. Short lectures in French.

Elective for Sophomores, Juniors and Seniors who have completed Course 11.

ASSOCIATE PROFESSOR HARRY.

ASSISTANT PROFESSOR HELIE.

15. A COURSE FOR PROSPECTIVE TEACHERS. First Semester: Tuesday, Thursday, Saturday, 10.00.

A study of methods of teaching French with practice teaching. Lectures on French phonetics with drill in pronunciation, conversation, and composition. Text-books: Talbot's French Composition and Allen's French Life.

Prerequisite, Courses 11 and 12, or 13 and 14.

ASSOCIATE PROFESSOR HARRY.

16. CONTEMPORARY FRENCH DRAMA. Second Semester: at the same hours.

Rostand's *La Princesse Lointaine* and *Cyrano de Bergerac* are read in class. Collateral reading and reports include Rostand's *L'Aiglon* and *Chantecler*; also Maeterlinck's *L'Oiseau Bleu*. A brief study is also made of the social drama in France today.

Lectures, reports and discussions in French.

Prerequisite, Courses 11 and 12, or 13 and 14.

ASSOCIATE PROFESSOR HARRY.

**GEOLOGY AND GEOGRAPHY**

ASSOCIATE PROFESSOR PERKINS

**Geology**

[1. **PHYSIOGRAPHY.** First Semester: Div. A, Wednesday, Friday, 9.00; Div. B, Wednesday, Friday, 10.00; 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.

Geology 1, 2 given in 1921-1922 and subsequent years.

3. **PHYSICAL GEOLOGY.** First Semester: Thursday, Saturday, 8.00; Laboratory, Friday, 1.30-3.30.

A study of the rocks of the earth's crust, including their composition, origin and structure. Especial 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.

(In 1920-1921, Geology 3 will not be elective for Juniors and Seniors who have not been able to take Geology 1, 2 or will be unable to do so.)

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 devel-

opment of organic life. Text-book study, laboratory work and field trips.

Elective for those who have had Geology 3.

5. CRYSTALLOGRAPHY, MINERALOGY, AND BLOWPIPE ANALYSIS.  
First Semester: Tuesday, Thursday, Saturday, 10.00-12.00.

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

Elective for those who have had any of the preceding courses in Geology. It is advisable, however, that Geology 5 should have been completed.

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

[7. GEOLOGICAL RESEARCH. First Semester: Tuesday, Thursday, Saturday, 10.00-12.00.]

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.

**Geography**

1. INDUSTRIAL AND COMMERCIAL GEOGRAPHY. First Semester: Div. A, Wednesday, Friday, 8.00; Div. B, Wednesday, Friday, 9.00; Laboratory Divisions, Monday, 8.00-10.00; Tuesday, 1.30-3.30.

For 1921-1922: Wednesday, Friday, 9.00; Laboratory Division, Thursday, 1.30-3.30.

The object of this course can not be better stated than in the preface of Gregory, Keller, and Bishop's text, who conceive a college course in this subject "to be one linking together the natural and social sciences, and providing a fundamental set of ideas and principles touching human life-conditions that should be of use to one who might later pursue the study of the natural sciences, the social sciences, or history."

There will be a three-fold division of the subject matter. First will be an abbreviated explanation of the inorganic environment in which man lives. Without this a grasp of the succeeding principles must be less keen. Secondly, man's response to this environment will be considered at some length from various viewpoints. "Man has been so noisy about the way he has 'conquered Nature' and Nature has been so silent in her persistent influence over man, that the geographic factor in the equation of human development has been overlooked." This is true of the old geography, yet the thorough comprehension of this factor is just what prevents geography from becoming a mere feat of memory and makes it a science. A common morphological history, marked by mountain uplift, glaciation, and subsidence, has given an historical development similar in not a few respects to the fiord coasts of New England, Norway, Iceland, Greenland, the Alaskan "panhandle", and southern Chile. Again, peculiar racial customs or ambitions no longer seem arbitrary when the geographic reasons are appreciated, and a broader, sounder basis of international relations develops. Thirdly, the working out of these principles in respect to the details of trade and industry will be discussed country by country.

The purpose of this course is stated in the introductory quotation. Taken in connection with either Geology 1, 2 or 3, 4, it should give an excellent foundation for the teaching of preparatory school geography and natural science exclusive of biology.

Elective for Juniors and Seniors without prerequisites, and Sophomores with consent of the Instructor.

2. INDUSTRIAL AND COMMERCIAL GEOGRAPHY, continued.  
Second Semester: at the same hours.

## 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. Besides, 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, 9.00; Div. B, Tuesday, Thursday, Saturday, 9.00.

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, and Friday, 10.00.

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 same hours as Course 2.

Requirements are the same as in Course 2.

5. GRAMMAR, reviewed. First Semester: Div. A, Monday, Wednesday, Friday, 11.00; Div. B, Tuesday, Thursday, Saturday, 10.00.

Constant practice in conversation according to Bernhardt's Im Zwielight. 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 Zwielight, 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: (1) Müller, Die elektrischen Maschinen. (2) Kayser, Die Elektronentheorie. (3) Lassar-Cohn, Die Chemie im Täglichen Leben. (4) Rauter, Allgemeine chemische Technologie. (5) Kauffman, Allgemeine und physikalische Chemie.

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, 10.00.

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, 11.00.

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.

Prose Composition by v. Jagemann. Original themes and dictation. Conversation.

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, 9.00.

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: Tuesday, Thursday, Saturday, 10.00.

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.

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.

5. HOMER. First Semester: Monday, Wednesday, Friday, 11.00.

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, 11.00.]

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.

[9. INTRODUCTION TO DRAMATIC POETRY. First Semester: Monday, Wednesday, Friday, 9.00.]

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 5-8.

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, 9.00.

Elective for those who have completed Courses 5-8.  
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, 11.00.

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 will be done in English translations.

## HISTORY AND POLITICS

PROFESSOR BLACK

### History

European History. A study of the institutions of the western world, the Germanic invasions, the feudal period, the rise of European nationalities, the mediaeval 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 Napoleonic era, the Congress of Vienna, revolutionary activities of the nineteenth century and the growth of democracy, the unification 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 and issues of the Great European War. Text-books, assigned readings, lectures, and quizzes.

The work is given as follows:

1. **EUROPEAN HISTORY** to the French Revolution. First Semester: Div. A, Tuesday, Thursday, Saturday, 9.00; Div. B, Tuesday, Thursday, Saturday, 10.00.

Elective for Sophomores and Juniors.

2. EUROPEAN HISTORY from the French Revolution to the present time. Second Semester: at the same hours.

Elective for Sophomores and Juniors who have taken Course 1.

American Constitutional and Political History. The course begins with a brief study of the American Colonies in their relation to European conditions, and deals with their institutional development, the forces leading to their union, the establishment of their independence, and the creation of a federal government. It will continue with a study of American politics, the rise of political parties, the development of constitutional principles, the Monroe Doctrine, the economic progress of the country, the slavery issue, the causes and results of the Civil War, national progress since the war, and the rise of the United States to leadership in world politics. Text-books, assigned readings, lectures, and reports by the students.

This course is continuous throughout the year and the work is given in the following subdivisions for each Semester:

3. AMERICAN HISTORY TO 1825. First Semester: Monday, Wednesday, Friday, 11.00.

Elective for Juniors and Seniors. Students are expected to take History 1 and 2 as a preparation for Courses 3 and 4.

4. HISTORY OF THE UNITED STATES SINCE 1825. Second Semester: at the same hours.

Elective for Juniors and Seniors who have taken Course 3.

### Politics

5. POLITICAL SCIENCE. First Semester: Monday, Wednesday, Friday, 10.00.

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. Text-books, assigned readings, lectures, and reports by the students.

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

6. POLITICAL SCIENCE, continued. Second Semester: at the same hours.

Deals also with American Government, federal, state, and local; with party government and machinery, American problems and political conditions, and the international relations of the United States. Text-books, assigned readings, lectures, and reports by the students.

Elective for Juniors and Seniors, who have taken Course 5.

## HISTORY OF ART

PROFESSOR WHITE

[1. ORIENTAL AND GREEK ART. First Semester: Monday, Thursday, Friday, 3.30.]

Particular attention will be given to Greek Sculpture.

Elective for Juniors and Seniors.

Given in alternate years.

[2. ROMAN AND MEDIEVAL 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.

3. RENAISSANCE ART. First Semester: Monday, Thursday, Friday, 3.30.

Particular attention will be given to Italian Painting.

Elective for Juniors and Seniors.

Given in alternate years.

4. MODERN 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 readings and with lectures illustrated with casts, photographs, 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, 8.00.

Elementary Grammar, easy composition, reading, and conversation. DeAmicis, 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 managing newspaper offices and plants; 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 interest. 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.

1. **NEWS WRITING.** First Semester: Monday, Wednesday, Friday, 9.00.

Study of news and news values, sources and collection of news, diction and style in news articles.

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 MR. ROLLINS

1. LIVY XXI. First Semester: Monday, Wednesday, Friday, 8.00.

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, 9.00; Div. B, Tuesday, Thursday, Saturday, 11.00.

Required of women of the Freshman class, B.A. Course.

PROFESSOR TAYLOR.  
MR. ROLLINS.

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.  
MR. ROLLINS.

5. PLINY'S LETTERS: SATIRES OF HORACE. First Semester: Monday, Wednesday, Friday, 11.00.

Elective for Sophomores of both Divisions.

PROFESSOR TAYLOR.

6. QUINTILIAN X, XII: TACITUS, DIALOGUS DE ORATORIBUS.  
Second Semester: at the same hours.

Elective for Sophomores of both Divisions.  
PROFESSOR TAYLOR.

[7. CATULLUS: LUCRETIUS: TIBULLUS: PROPERTIUS: LUCAN.  
First Semester: Monday, Thursday, Friday, 3.30.]

Elective for Sophomores 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 ÆNEID. 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, 8.00; Div. B, Monday, Wednesday, Friday, 9.00; Div. C, Tuesday, Thursday, Saturday, 9.00; Div. D, Monday, Wednesday, Friday, 9.00.

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, Tuesday, Thursday, Saturday, 8.00; Div. B, Tuesday, Thursday, Saturday, 9.00; Div. C, Tuesday, Thursday, Saturday, 11.00; Div. D, Monday, Wednesday, Friday, 9.00.

Required of the women of the Freshman class.

PROFESSOR ASHCRAFT.  
ASSOCIATE PROFESSOR TREFETHEN.  
ASSISTANT PROFESSOR RUNNALS.

3. SOLID GEOMETRY AND PLANE TRIGONOMETRY.

(A) SOLID GEOMETRY. Second Semester: Div. A, Monday, Wednesday, Friday, 8.00; Div. B, Monday, Wednesday, Friday, 9.00; Div. C, Tuesday, Thursday, Saturday, 9.00.

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 same hours as Course 3 (A).

Trigonometric functions, and demonstration 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.

PROFESSOR ASHCRAFT.  
ASSOCIATE PROFESSOR CARTER.  
ASSOCIATE PROFESSOR TREFETHEN.

4. SOLID GEOMETRY AND PLANE TRIGONOMETRY.

(A) SAME AS COURSE 3 (A). Second Semester: Div. A, Tuesday, Thursday, Saturday, 8.00; Div. B, Tuesday, Thursday, Saturday, 9.00; Div. C, Tuesday, Thursday, Saturday, 11.00.

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 TREFETHEN.  
ASSISTANT PROFESSOR RUNNALS.

5. PLANE AND SPHERICAL TRIGONOMETRY, with applications to Geodesy and Astronomy. Second Semester: Div. D, Monday, Wednesday, Friday, 9.00.

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, 8.00; Div. B, Monday, Wednesday, Friday, 10.00.

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.

9. ADVANCED CALCULUS. First Semester: Tuesday, Thursday, Saturday, 10.00.

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.

Elective for those who have taken Course 8.

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, 10.00.

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; coveriants, 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, 10.00.

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, or are taking, Course 9.

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, 10.00-12.00.

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

Elective for 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.

## PHILOSOPHY, PSYCHOLOGY, AND EDUCATION

ASSISTANT PROFESSOR WELLS

### Psychology

1. PSYCHOLOGY, GENERAL AND EDUCATIONAL. First Semester: Tuesday, Thursday, Saturday, 11.00.

A systematic survey of the chief facts of mental life and of human behavior, and an application of psychological principles to such problems of education as the learning process, memory, interest, attention, and fatigue. Text-books, assigned readings, and lectures.

Elective for Sophomores, Juniors, and Seniors.

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

### Philosophy

3. HISTORY OF PHILOSOPHY. First Semester: Monday, Wednesday, Friday, 8.00.

The history of philosophical thought from its origin among the Greeks to the present time. The course will be a study of the various philosophical systems in their relation to the growth of science,

with emphasis on the applications of philosophy to social, educational, and religious problems. The earlier philosophies will be studied for the sake of their bearing on present philosophical tendencies. Philosophical developments of recent years will receive special attention. Text-book, assigned readings, lectures.

Elective for Juniors and Seniors.

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

5. PROBLEMS OF CONDUCT AND RELIGION IN THE LIGHT OF MODERN PHILOSOPHICAL TENDENCIES. First Semester: Monday, Wednesday, Friday, 11.00.

This course will take up questions fundamental to a philosophy of life, questions such as those of the existence of God, the relation of mind and body, and immortality, together with other problems having to do with the bearing of modern science and philosophy on religious belief. Present philosophical tendencies, especially naturalism, pragmatism, and idealism, will be studied through readings in the works of Paulsen, James, Bergson, Eucken, Royce, and others who have been influential in shaping modern thought. Text-book, lectures, reports, and discussions.

Elective for those who have taken Courses 1 and 2, or 3 and 4.

6. ETHICS. Second Semester: at the same hours as Course 5.

Historical approach through a study of primitive, Greek and Roman, medieval, and modern types of conduct and of ethical theory. A study of social psychology as a basis for the consideration of such ethical questions as the meaning of good, right and wrong, duty, moral obligation, and justice. Applications of ethical theory to contemporary problems of individual and social morality. Text-book, assigned readings, lectures, reports, and discussions.

Prerequisite, Course 5.

### Education

7. PRINCIPLES OF SECONDARY EDUCATION. First Semester: Monday, Thursday, Friday, 3.30.

The course will include studies of the psychological characteristics of adolescence from which the principles of education should be drawn, and of

sociological factors in their relation to the course of study. Foreign systems of secondary education will be studied, as well as problems of educational reorganization in America. Practice teaching in the schools of Waterville will be provided as laboratory work in methods of instruction. Text-book, assigned readings, lectures, and class discussions.

Elective for those who have taken Courses 1 and 2.

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

### PHYSICS

ASSOCIATE PROFESSOR WHEELER AND MR. STANLEY.

1. GENERAL PHYSICS. Men's Division. First Semester.
2. GENERAL 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, 10.00; Div. B, Tuesday, Thursday, 10.00; Div. C, Tuesday, Thursday, 11.00. Laboratory hours, Monday, 1.30-3.30; Tuesday, 1.30-3.30; Thursday, 1.30-3.30; Friday, 10.00-12.00.

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 aeroplane; 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 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.

ASSOCIATE PROFESSOR WHEELER.  
MR. STANLEY.

5. EXPERIMENTAL PHYSICS. First Semester: Div. A, Tuesday, Thursday, Saturday, 8.00-10.00; Div. B, Tuesday, Thursday, Saturday, 10.00-12.00.

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 as Physics 5.

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.

ASSOCIATE PROFESSOR WHEELER.  
MR. STANLEY.

7. THEORY OF HEAT. First Semester: Monday, Wednesday, Friday, 11.00.

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.

Offered in 1921-1922 and alternate years.

ASSOCIATE PROFESSOR WHEELER.

8. THERMODYNAMICS OF HEAT ENGINES. Second Semester: at the same hours as Physics 7.

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.

Offered in 1921-1922 and alternate years.

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

ASSOCIATE PROFESSOR WHEELER.

9. MAGNETISM AND ELECTRICITY. First Semester: Wednesday, Friday, 9.00. Laboratory hours, Monday, 8.00-10.00.

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 as Physics 9.

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.

ASSOCIATE PROFESSOR WHEELER.  
MR. STANLEY.

11. ELECTRICAL ENGINEERING. First Semester: Tuesday, Thursday, 3.30. Laboratory hours, Friday, 2.30-4.30.

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.

ASSOCIATE PROFESSOR WHEELER.

12. ELEMENTARY ALTERNATING CURRENT ENGINEERING AND WIRELESS TELEGRAPHY. Second Semester: at the same hours as Course 11.

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.

ASSOCIATE PROFESSOR WHEELER.

[13. RADIOACTIVITY. First Semester: Monday, Wednesday, Friday, 11.00.]

Radioactive substances; ionization of gases; methods of measurement of radiations from radioactive 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.

Offered in 1922-1923 and alternate years.

ASSOCIATE PROFESSOR WHEELER.

[14. MOLECULAR PHYSICS. Second Semester: at the same hours as Physics 13.]

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.

Offered in 1922-1923 and alternate years.

ASSOCIATE PROFESSOR WHEELER.

## PUBLIC SPEAKING

PRESIDENT ROBERTS AND PROFESSOR LIBBY.

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 Rhetoric.

PROFESSOR LIBBY.

6. PUBLIC SPEAKING. Second Semester: at the same hours as Course 5.

The work consists of three parts: viz, (a), a study of voice culture; (b), platform work in class on subjects previously assigned, and preliminary speaking 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. Same as Course 5. First Semester: Monday, Thursday, Friday, 3.30.

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

PROFESSOR LIBBY.

8. PUBLIC SPEAKING. Same as Course 6. Second Semester: Monday, Thursday, Friday, 3.30.

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

PROFESSOR LIBBY.

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

The work of the course will be carried on largely by means of conferences. The primary purpose of this advanced course is to assist men who intend to follow professions requiring platform work. Students electing the course will be expected to give at least one public address each semester and to take part in the preliminary speaking in the annual Goodwin Prize Speaking Contest.

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.

Elective for those who have taken Course 9.

PROFESSOR LIBBY.

## SPANISH

ASSOCIATE PROFESSOR HARRY AND MR. NELSON

1. ELEMENTARY SPANISH. First Semester: Div. A, Monday, Wednesday, Friday, 11.00; Div. B, Tuesday, Thursday, Saturday, 11.00; Div. C, Monday, Wednesday, Friday, 9.00.

A study of the Spanish Grammar with abundant oral and written exercises. Reading, composition, conversation. The best features of the direct method are employed. The following texts are read: Fuentes and François, A Trip to Latin America; España Pintoresca (Dorado).

For requirements in Modern Languages, see pages 51-52.

ASSOCIATE PROFESSOR HARRY.  
MR. NELSON.

2. GRAMMAR continued. Second Semester: at the same hours.

Crawford's Spanish Prose Composition. Translation of modern prose. Tamayo, *Lo Positivo*; Harry's *Anécdotas Españolas*.

Requirements same as in Course 1.

ASSOCIATE PROFESSOR HARRY.  
MR. NELSON.

3. INTERMEDIATE SPANISH. First Semester: Monday, Wednesday, Friday, 9.00.

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.

ASSOCIATE PROFESSOR HARRY.

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

ASSOCIATE PROFESSOR HARRY.

5. COMMERCIAL SPANISH. First Semester: Tuesday, Thursday, Saturday, 10.00.

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, 8.00.

Cervantes (Selections from *Don Quijote*); 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.

ASSOCIATE PROFESSOR HARRY.

8. SPANISH CLASSICS. Second Semester: Continuation of Course 7, at the same hours.

ASSOCIATE PROFESSOR HARRY.

## PHYSICAL TRAINING

### The Men's Division

MR. RYAN.

Calisthenics, co-ordinating exercises, group games, mass athletics, boxing, and basket-ball. Members of the two lower classes participating in the major sports are excused from physical training during the season of the sport in which they are participating. Training is required of all other members of the Sophomore and Freshman classes.

Freshman Class: Division A, Tuesday, Thursday, Saturday, 11.00; Division B, Monday, Thursday, Friday, 4.30.

Sophomore Class: Division A, Monday, Wednesday, Friday, 11.00; Division B, Monday, Thursday, Friday, 4.30.

### The Women's Division

There is a strong purpose on the part of the Trustees and Alumnae of the College to establish a department of Physical Education for the women. The aim of the department will be to provide organized social recreation, to promote health, and to insure protective and useful knowledge in personal and public hygiene, anatomy, and physiology. Each student will receive upon entering college and again in the spring a physical examination. A course in hygiene will be required of all Freshmen. Physical training will be required of all women the first two years and elective for the other two years.

## ATHLETICS

The department of Athletics is well organized and has adequate facilities and equipment consisting of a gymnasium, football field, baseball field, quarter-mile cinder track, tennis courts and a board track. The major sports fostered are track and field, football, baseball and tennis for which letters are awarded to such participants as fulfill the requirements.



**TRACK AND FIELD.** Directed by Michael J. Ryan, Coach, champion and record-holder, member of the 1908 and 1912 American Olympic teams and member of the board of coaches of the American Olympic Team contesting at the Olympic games in Antwerp, Belgium, in 1920.

Cross country running, relay races, and track and field sports. Participation in the Maine, New England and National Intercollegiate Championships, Boston Athletic Association games and the University of Pennsylvania Relay races.

**FOOTBALL.** Directed by John B. McAuliff, former captain of Dartmouth College team.

Schedule of eight games with leading colleges and universities, including the State series for the Maine Championship. Interclass contests are also scheduled.

**BASEBALL.** Coach to be appointed.

Schedule of about 20 games with leading colleges and universities, including the State series for the Maine Championship.

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

### 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 the recommendaton of the Faculty, in January, 1908, made a number of additions to the curriculum. These courses 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 Rhetoric.

**SOPHOMORE YEAR.** Two courses in Chemistry (including Organic Chemistry and laboratory work); English, Physics (including laboratory work); Zoölogy (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 1920 was President William H. P. Faunce, of Brown University.

# SCHEDULE OF COURSES FOR THE YEAR 1920-1921

	8.00	9.00	10.00	11.00
Mon.	<p>3, 4 Phil. 3, 4 2, 3, 4 Eng. 5, 6 Div. A 2, 3 Math. 7, 8 Div. A 1, 2, 3, 4 Ital. 1, 2 1, 2 Latin 1, 3 1, 2 E. Com. 1, 3 Div. A 1 Math. 1, 3a, 3b Div. A 3, 4 Zool. 3, 4 2, 3, 4 Phys. 9, 10 3, 4 Chem. 13, 14 3, 4 Span. 7, 8 1, 2, 3, 4 Geog. 1, 2</p>	<p>[3, 4 Eng. 3, 4] 3, 4 Eng. 1, 2 4 Greek 11, 12 2, 3, 4 Journ. 1, 2 2, 3, 4 Span. 3, 4 1, 2 Ger. 1, 3 Div. A 1, 2 Latin 2, 4 Div. A 1 Math. 1, 3a, 3b Div. B 1 Math. 1, 5, Div. D 1 Math. 2, 6, Div. D 3, 4 Zool. 3, 4 2, 3, 4 Phys. 9, 10 [3, 4 Greek 9, 10] 1 Math. 2, 4, Div. D 1, 2, 3, 4 Geog. 1, 2 1, 2, 3, 4 Span. 1, 2, Div. C</p>	<p>3, 4 Eng. 7, 8 3, 4 French 9, 10 3, 4 Politics 5, 6 3, 4 Math. 13, 14 2, 3, 4 Ger. 9, 10 2, 3 Math. 7, 8 Div. B 1, 2 German 2, 4 1, 2 E. Com. 1, 3 Div. B 1, 2, 3, 4 Phys. 1, 3, 2, 4 Div. A 1, 2, 3 Biol. 1, 2 1, 2, 3, 4 Chem. 1, 2 3, 4 Math. 11, 12</p>	<p>3, 4 Phil. 5, 6 3, 4 Hist. 3, 4 3, 4 Econ. 5, 6 2, 3, 4 Latin 5, 6 2, 3, 4 Phys. 7, 8 3, 4 Greek 5, 6 1, 2, 3 German 5, 6 Div. A 1, 2 E. Com. 2, 4 Div. A 1, 2, 3 French 3, 4 Div. A 1, 2, 3, 4 Span. 1, 2 Div. A 1, 2, 3 Biol. 1, 2 1, 2, 3, 4 Chem. 1, 2 [3, 4 Econ. 3, 4] [3, 4 Greek 7, 8] [3, 4 Phys. 13, 14] 2 Phys. Cult. Div. A (m)</p>
Tues.	<p>3, 4 Astron. 1, 2 2, 3, 4 Zool. 1, 2 2, 3, 4 Econ. 1, 2 Div. A 2, 3, 4 Eng. 5, 6 Div. B 1 2, 3, 4 Fr. 6, 8, Div. A, B 1, 2 E. Com. 1, 3 Div. C 2, 3, 4 Phys. 5, 6 Div. A [2, 3, 4 Biol. 7, 8] 2, 3, 4 Chem. 7, 8 1 Math. 2, 4 Div. A</p>	<p>3, 4 French 11, 12 3, 4 Greek 15, 16 2, 3, 4 Greek 3, 4 2, 3, 4 Spanish 5, 6 2, 3 Hist. 1, 2 Div. B 1, 2 E. Com. 2, 4 Div. B 1, 2, 3 German 5, 6 Div. B 1, 2, 3, 4 Phys. 1, 3, 2, 4 Div. B 4 Math. 15, 16 2, 3, 4 Geol. 5, 6 2, 3, 4 Phys. 5, 6 Div. B 4 Chem. 15, 16 [3, 4 Geol. 7, 8] 3, 4 Math. 9, 10 2, 3, 4 Phys. 5, 6, Div. B 1 Phys. Cult. Div. B. (w)</p>	<p>3, 4 Eng. 7, 8 3, 4 French 9, 10 3, 4 Politics 5, 6 3, 4 Math. 13, 14 2, 3, 4 Ger. 9, 10 2, 3 Math. 7, 8 Div. B 1, 2 German 2, 4 1, 2 E. Com. 1, 3 Div. B 1, 2, 3, 4 Phys. 1, 3, 2, 4 Div. A 1, 2, 3 Biol. 1, 2 Div. B [1, 2, 3, 4 Geol. 1, 2 Div. B] 3, 4 Math. 11, 12</p>	<p>2, 3, 4 Greek 13, 14 2, 3, 4 Phil. 1, 2 2, 3, 4 German 11, 12 1, 2 E. Com. 2, 4 Div. C 1, 2 Latin 2, 4 Div. B 1, 2, 3, 4 Span. 1, 2 Div. B 4 Math. 15, 16 2, 3, 4 Chem. 5, 6 Div. A 2, 3, 4 Geol. 5, 6 2, 3, 4 Phys. 5, 6 Div. B 1 Phys. Cult. Div. A (m) [3, 4 Geol. 7, 8] 1 Math. 2, 4 Div. C 4 Chem. 15, 16 1, 2, 3, 4 Phys. 1, 3, 2, 4 Div. C</p>
Wed.	<p>3, 4 Phil. 3, 4 2, 3, 4 Eng. 5, 6 Div. A 2, 3 Math. 7, 8 Div. A 1, 2, 3, 4 Ital. 1, 2 1, 2 Latin 1, 3 1, 2 E. Com. 1, 3 Div. A 1 Math. 1, 3a, 3b Div. A 3, 4 Zool. 3, 4 3, 4 Chem. 13, 14 3, 4 Span. 7, 8 1, 2, 3, 4 Geog. 1, 2 Div. A</p>	<p>[3, 4 Eng. 3, 4] 3, 4 Eng. 1, 2 4 Greek 11, 12 2, 3, 4 Chem. 3, 4 2, 3, 4 Journ. 1, 2 2, 3, 4 Phys. 9, 10 2, 3, 4 Span. 3, 4 1, 2 Ger. 1, 3 Div. A 1, 2, 3, 4 Geog. 1, 2 1, 2 Latin 2, 4 Div. A 1 Math. 1, 3a, 3b Div. B 1 Math. 1, 5, Div. D 1 Math. 2, 6, Div. D 3, 4 Zool. 3, 4 [3, 4 Greek 9, 10] 1 Math. 2, 4, Div. D</p>	<p>3, 4 Eng. 7, 8 3, 4 French 9, 10 3, 4 Politics 5, 6 3, 4 Math. 13, 14 2, 3, 4 Ger. 9, 10 2, 3 Math. 7, 8 Div. B 1, 2 German 2, 4 1, 2 E. Com. 1, 3 Div. B 1, 2, 3, 4 Phys. 1, 3, 2, 4 Div. A 1, 2, 3 Biol. 1, 2 Div. B [1, 2, 3, 4 Geol. 1, 2 Div. B] 3, 4 Math. 11, 12</p>	<p>3, 4 Phil. 5, 6 3, 4 Hist. 3, 4 3, 4 Econ. 5, 6 2, 3, 4 Latin 5, 6 2, 3, 4 Phys. 7, 8 3, 4 Greek 5, 6 1, 2, 3 German 5, 6 Div. A 1, 2 E. Com. 2, 4 Div. A 1, 2, 3 French 3, 4 Div. A 1, 2, 3, 4 Chem. 1, 2 [3, 4 Econ. 3, 4] [3, 4 Greek 7, 8] [3, 4 Phys. 13, 14] 2 Phys. Cult. Div. A (m)</p>

<p>Thurs.</p>	<p>3, 4 Geol. 3, 4                  2, 3, 4 Zool. 1, 2                  2, 3, 4 Econ. 1, 2 Div. A                  2, 3, 4 Eng. 5, 6 Div. B                  1, 2, 3, 4 Fr. 6, 8, Div. A, B                  1, 2 E. Com. 1, 3 Div. C                  2, 3, 4 Phys. 5, 6 Div. A                  [2, 3, 4 Biol. 7, 8]                  2, 3, 4 Chem. 7, 8                  1 Math. 2, 4 Div. A</p>	<p>3, 4 Sociol. 1, 2                  2, 3 Hist. 1, 2 Div. A                  1, 2 Ger. 1, 3 Div. B                  1, 2, 3, 4 Greek 1, 2                  1, 2, 3, 4 French 5, 7                  1 Math. 1, 3a 3b Div. C                  2, 3, 4 Phys. 5, 6 Div. A                  2, 3, 4 Chem. 7, 8                  3, 4 Chem. 11, 12                  1 Math. 2, 4a, 4b, Div. B                  [3, 4 Eng. 9, 10]</p>	<p>3, 4 French 15, 16                  2, 3, 4 Greek 3, 4                  2, 3, 4 Spanish 5, 6                  2, 3 Hist. 1, 2 Div. B                  1, 2 E. Com. 2, 4 Div. B                  1, 2, 3 German 5, 6 Div. B                  1, 2, 3, 4 Phys. 1, 3, 2, 4 Div. B                  4 Math. 15, 16                  2, 3 Chem. 5, 6 Div. A                  [3, 4 Geol. 7, 8]                  3, 4 Math. 9, 10                  2, 3, 4 Phys. 5, 6, Div. B                  1 Phys. Cult. Div. B. (w)</p>	<p>2, 3, 4 Phil. 1, 2                  2, 3, 4 German 11, 12                  1, 2 E. Com. 2, 4 Div. C                  1, 2 Latin 2, 4 Div. B                  1, 2, 3, 4 Span. 1, 2 Div. B                  1, 2, 3, 4 Phys. 1, 3, 2, 4 Div. C                  4 Math. 15, 16                  2, 3 Chem. 5, 6 Div. A                  2, 3, 4 Geol. 5, 6                  [3, 4 Geol. 7, 8]                  1 Math. 2, 4 Div. C                  2, 3, 4 Phys. 5, 6, Div. B                  1 Phys. Cult. Div. A (m)</p>
<p>Friday</p>	<p>3, 4 Phil. 3, 4                  2, 3, 4 Eng. 5, 6 Div. A                  2, 3, 4 Math. 7, 8 Div. A                  1, 2, 3, 4 Ital. 1, 2                  1, 2 Latin 1, 3                  1, 2 E. Com. 1, 3 Div. A                  1 Math. 1, 3a, 3b Div. A                  3, 4 Zool. 3, 4                  3, 4 Chem. 13, 14                  3, 4 Span. 7, 8                  1, 2, 3, 4 Geog. 1, 2 Div. A</p>	<p>[3, 4 Eng. 3, 4]                  3, 4 Eng. 1, 2                  3, 4 Greek 11, 12                  2, 3, 4 Chem. 3, 4                  2, 3, 4 Journ. 1, 2                  2, 3, 4 Span. 3, 4                  2, 3, 4 Phys. 9, 10                  1, 2 Latin 2, 4 Div. A                  1, 2 Ger. 1, 3 Div. A                  1, 2, 3, 4 Geog. 1, 2                  1 Math. 1, 3a, 3b Div. B                  1 Math. 1, 5, Div. D                  1 Math. 2, 6, Div. D                  3, 4 Zool. 3, 4                  [3, 4 Greek 9, 10]                  1 Math. 2, 4, Div. D                  [1, 2, 3, 4 Geol. 1, 2 Div. A]                  1, 2, 3, 4 Span. 1, 2, Div. C</p>	<p>3, 4 Eng. 7, 8                  3, 4 French 9, 10                  3, 4 Politics 5, 6                  3, 4 Math. 13, 14                  2, 3, 4 Ger. 9, 10                  2, 3 Math. 7, 8 Div. B                  1, 2 German 2, 4                  1, 2 E. Com. 1, 3 Div. B                  1, 2, 3 Biol. 1, 2                  [1, 2, 3, 4 Geol. 1, 2 Div. B                  3, 4 Math. 11, 12                  1, 2, 3, 4 Phys. 1, 3, 2, 4</p>	<p>3, 4 Phil. 5, 6                  3, 4 Hist. 3, 4                  3, 4 Econ. 5, 6                  2, 3, 4 Latin 5, 6                  2, 3, 4 Phys. 7, 8                  3, 4 Greek 5, 6                  1, 2, 3 German 5, 6 Div. A                  1, 2 E. Com. 2, 4 Div. A                  1, 2, 3, 4 Span. 1, 2 Div. A                  1, 2, 3 French 3, 4 Div. A                  1, 2, 3, 4 Chem. 1, 2                  [3, 4 Econ. 3, 4]                  [3, 4 Greek 7, 8]                  [3, 4 Phys. 13, 14]                  1, 2, 3, 4 Phys. 1, 3, 2, 4                  2 Phys. Cult. Div. A (m)</p>
<p>Sat.</p>	<p>3, 4 Astron. 1, 2                  3, 4 Geol. 3, 4                  2, 3, 4 Zool. 1, 2                  2, 3, 4 Econ. 1, 2 Div. A                  2, 3, 4 Eng. 5, 6 Div. B                  1, 2, 3, 4 Fr. 6, 8, Div. A, B                  1, 2 E. Com. 1, 3 Div. C                  3, 4 Chem. 11, 12                  2, 3, 4 Phys. 5, 6 Div. A                  [2, 3, 4 Biol. 7, 8]                  2, 3, 4 Chem. 7, 8                  1 Math. 2, 4 Div. A</p>	<p>3, 4 Eng. 11, 12                  3, 4 Sociol. 1, 2                  2, 3 Hist. 1, 2 Div. A                  1, 2 Ger. 1, 3 Div. B                  1, 2, 3, 4 Greek 1, 2                  1, 2, 3, 4 French 5, 7                  1 Math. 1, 3a 3b Div. C                  3, 4 Chem. 11, 12                  2, 3, 4 Phys. 5, 6 Div. A                  2, 3, 4 Chem. 7, 8                  1 Math. 2, 4a, 4b, Div. B                  [3, 4 Eng. 9, 10]</p>	<p>3, 4 French 11, 12                  3, 4 Greek 15, 16                  2, 3, 4 Greek 3, 4                  2, 3, 4 Spanish 5, 6                  2, 3 Hist. 1, 2 Div. B                  1, 2 E. Com. 2, 4 Div. B                  1, 2, 3 German 5, 6 Div. B                  4 Math. 15, 16                  2, 3 Chem. 5, 6 Div. A                  [3, 4 Geol. 7, 8]                  3, 4 Math. 9, 10                  1, 2, 3, 4 Phys. 1, 3, 2, 4                  2, 3, 4 Phys. 5, 6, Div. B</p>	<p>2, 3, 4 Greek 13, 14                  2, 3, 4 Phil. 1, 2                  2, 3, 4 German 11, 13                  1, 2 E. Com. 2, 4 Div. C                  1, 2 Latin 2, 4 Div. B                  1, 2, 3, 4 Span. 1, 2 Div. B                  4 Math. 15, 16                  2, 3 Chem. 5, 6 Div. A                  2, 3, 4 Geol. 5, 6                  [3, 4 Geol. 7, 8]                  1 Math. 2, 4 Div. C                  1, 2, 3, 4 Phys. 1, 3, 2, 4                  2, 3, 4 Phys. 5, 6, Div. B                  1 Phys. Cult. Div. A (m)</p>

	1.30	2.30	3.30	4.30
Mon.	<p>2, 3, 4 Pub. Spg. 5, 6                      2, 3 4 Ger. 7, 8                      4 Sociol. 3, 4                      1, 2, 3, 4 <i>Drawing</i> 1, 2                      1, 2, 3, 4 <i>Chem.</i> 17, 18                      1, 2, 3, 4 <i>Phys.</i> 1, 3, 2, 4</p>	<p>3, 4 Pub. Spg. 9, 10                      2, 3, 4 E. Com. 5, 6                      2, 3, 4 French 13, 14                      2, 3, 4 Econ. 1, 2 Div. B                      1, 2, 3 French 3, 4 Div. B                      3, 4, <i>Chem.</i> 9, 10                      2, 3 <i>Chem.</i> 5, 6 Div. B                      1, 2, 3, 4 <i>Drawing</i> 1, 2                      4 <i>Chem.</i> 17, 18                      1, 2, 3, 4 <i>Phys.</i> 1, 3, 2, 4</p>	<p>3, 4 Phil. 7, 8                      3, 4 Art 3, 4                      [3, 4 Art 1, 2]                      2, 3, 4 Latin [7] 8, 9, a, b                      2, 3, 4 Pub. Spg. 7, 8                      1, 2, 3, 4 French 1, 2                      3, 4, <i>Chem.</i> 9, 10                      2, 3 <i>Chem.</i> 5, 6 Div. B</p>	<p>1 Phys. Cult. Div. B (m)                      2 Phys. Cult. (w)</p>
Tues.	<p>1, 2, 3 <i>Biol.</i> 1, 2                      1, 2, 3, 4 <i>Chem.</i> 1, 2                      2, 3, 4 <i>Chem.</i> 3, 4                      [1, 2, 3, 4 <i>Geol.</i> 1, 2]                      1, 2, 3, 4 <i>Phys.</i> 1, 3, 2, 4                      1, 2, 3, 4 <i>Geog.</i> 1, 2</p>	<p>2, 3, 4 <i>Chem.</i> 3, 4                      [1, 2, 3, 4 <i>Geol.</i> 1, 2]                      1, 2, 3, 4 <i>Biol.</i> 1, 2                      1, 2, 3, 4 <i>Phys.</i> 1, 3, 2, 4                      1, 2, 3, 4 <i>Chem.</i> 1, 2                      1, 2, 3, 4 <i>Geog.</i> 1, 2</p>	<p>3, 4 <i>Phys.</i> 11, 12                      2, 3, 4 Bib. Lit. 1, 2</p>	<p>2, 3, 4 Bib. Lit. 1, 2</p>
Wed.	<p>1 Pub. Spg. 1, 3                      2 Pub. Spg. 2, 4                      [2, 3, 4 <i>Biol.</i> 7, 8]                      2, 3, 4 <i>Zool.</i> 1, 2                      2, 3, 4 Pub. Spg. 5, 6                      2, 3, 4 Ger. 7, 8                      4 Sociol. 3, 4                      1, 2, 3, 4 <i>Drawing</i> 1, 2                      1, 2, 3, 4 <i>Geog.</i> 1, 2                      4 <i>Chem.</i> 17, 18                      1, 2, 3, 4 <i>Phys.</i> 1, 3, 2, 4                      [1, 2, 3, 4 <i>Geol.</i> 1, 2.]</p>	<p>[2, 3, 4 <i>Biol.</i> 7, 8]                      2, 3, 4 <i>Zool.</i> 1, 2                      3, 4 Pub. Spg. 9, 10                      2, 3, 4 E. Com. 5, 6                      2, 3, 4 French 13, 14                      2, 3, 4 Econ. 1, 2 Div. B                      1, 2, 3 French 3, 4 Div. B                      3, 4, <i>Chem.</i> 9, 10                      2, 3 <i>Chem.</i> 5, 6 Div. B                      1, 2, 3, 4 <i>Drawing</i> 1, 2                      1, 2, 3, 4 <i>Geog.</i> 1, 2                      4 <i>Chem.</i> 17, 18                      1, 2, 3, 4 <i>Phys.</i> 1, 3, 2, 4                      [1, 2, 3, 4 <i>Geol.</i> 1, 2]</p>	<p>3, 4 Phil. 7, 8                      3, 4 Art 3, 4                      [3, 4 Art 1, 2]                      2, 3, 4 Latin [7] 8, 9, a, b                      2, 3, 4 Pub. Spg. 7, 8                      1, 2, 3, 4 French 1, 2                      3, 4, <i>Chem.</i> 9, 10                      2, 3 <i>Chem.</i> 5, 6 Div. B                      3, 4 <i>Phys.</i> 11, 12</p>	<p>1 Phys. Cult. Div. B (m)                      2 Phys. Cult. (w)</p>
Thurs.	<p>2, 3, 4 Pub. Spg. 5, 6                      2, 3, 4 Ger. 7, 8                      4 Sociol. 3, 4                      1, 2, 3, 4 <i>Drawing</i> 1, 2                      3, 4 <i>Geol.</i> 3, 4                      4 <i>Chem.</i> 17, 18</p>	<p>3, 4 Pub. Spg. 9, 10                      2, 3, 4 E. Com. 5, 6                      2, 3, 4 Econ. 1, 2 Div. B                      1, 2, 3 French 3, 4 Div. B                      2, 3, 4 French 13, 14                      3, 4, <i>Chem.</i> 9, 10                      2, 3 <i>Chem.</i> 5, 6 Div. B                      3, 4 <i>Phys.</i> 11, 12                      1, 2, 3, 4 <i>Drawing</i> 1, 2                      4 <i>Chem.</i> 17, 18</p>	<p>3, 4 Phil. 7, 8                      3, 4 Art 3, 4                      [3, 4 Art 1, 2]                      2, 3, 4 Latin [7] 8, 9, a, b                      2, 3, 4 Pub. Spg. 7, 8                      1, 2, 3, 4 French 1, 2                      3, 4, <i>Chem.</i> 9, 10                      2, 3 <i>Chem.</i> 5, 6 Div. B                      3, 4 <i>Phys.</i> 11, 12</p>	<p>1 Phys. Cult. Div. B (m)                      2 Phys. Cult. (w)</p>
Friday	<p>2, 3, 4 Pub. Spg. 5, 6                      2, 3, 4 Ger. 7, 8                      4 Sociol. 3, 4                      1, 2, 3, 4 <i>Drawing</i> 1, 2                      3, 4 <i>Geol.</i> 3, 4                      4 <i>Chem.</i> 17, 18</p>	<p>3, 4 Pub. Spg. 9, 10                      2, 3, 4 E. Com. 5, 6                      2, 3, 4 Econ. 1, 2 Div. B                      1, 2, 3 French 3, 4 Div. B                      2, 3, 4 French 13, 14                      3, 4, <i>Chem.</i> 9, 10                      2, 3 <i>Chem.</i> 5, 6 Div. B                      3, 4 <i>Phys.</i> 11, 12                      1, 2, 3, 4 <i>Drawing</i> 1, 2                      4 <i>Chem.</i> 17, 18</p>	<p>3, 4 Phil. 7, 8                      3, 4 Art 3, 4                      [3, 4 Art 1, 2]                      2, 3, 4 Latin [7] 8, 9, a, b                      2, 3, 4 Pub. Spg. 7, 8                      1, 2, 3, 4 French 1, 2                      3, 4, <i>Chem.</i> 9, 10                      2, 3 <i>Chem.</i> 5, 6 Div. B                      3, 4 <i>Phys.</i> 11, 12</p>	<p>1 Phys. Cult. Div. B (m)                      2 Phys. Cult. (w)</p>

NOTES: Figures before the names of the courses indicate to what classes the courses are open; figures after the names of the courses indicate the numbers of the courses as shown in the Courses of Study.

REVISED 1920-1921.

## EQUIPMENT

### The College Buildings

Colby College is located at 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 Colby 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 the stack-room and work-room. The reading-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 the public documents issued by the United States Government.

The Library contains more than fifty-seven 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 Library 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 on Mondays, Tuesdays, Thursdays, and Fridays from 7 to 9 P. M. On Sunday afternoons the reading-room is open from 2 to 5.

The library of the Department of History, located in the rooms of the department, numbers about 5,000 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 classrooms 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; and, in addition, the rooms of the Young Men's Christian Association.

### 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; a 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, spectrosopes, polarisopes, 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 OBSERVATORY

THE SHANNON OBSERVATORY AND PHYSICAL LABORATORY, the gift of Hon. Richard Cutts Shannon, LL.D., class of 1862, affords superior advantages for instruction and practical work in Astronomy and Physics.

The Department of Physics is well equipped with the necessary 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.

In addition to the above, there has been added a new laboratory for electrical testing, containing both direct and alternating current dynamos and motors and transformers; and also a complete set of measuring instruments for this work. The main class-room is located on the second floor of the building, smaller rooms and laboratories on the first floor; and in the basement a



photometric laboratory has been fitted up and equipped for the testing of the candle power of various forms of illumination.

### 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.

### 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 room, with shower bath and lavatories. All rooms are provided with the necessaries 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.

# ADMINISTRATIVE RULES

## REGISTRATION OF STUDENTS

On Thursday, the opening day of the first semester, chapel exercises for the men begin at nine o'clock in the morning, and at their close all members of the Men's Division register at the Registrar's office. Chapel service for the women is held at two o'clock in the afternoon, and immediately afterwards all members of the Women's Division register at the Registrar's office.

## THE ADVISORY SYSTEM

*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.

*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 year, except with the consent of his adviser and the approval of the Faculty.

*Petitions.* Whenever a student has occasion to petition the faculty, he is required to do so in writing and only after consultation with his adviser.

### EXAMINATIONS

Oral or written examinations of all classes are held at the close of each semester, as indicated in the Schedule of Events on pages 3 and 4. 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.

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

A student who wishes to take an examination at a time other than that provided by the above, will be charged a special fee of five dollars, to be paid in advance to the treasurer of the college, who will then furnish him with a receipt which will admit him to the special examination.

### STANDING AND DEFICIENCIES

In determining a student's rank, the combined marks of daily recitations, quizzes, articles and reports shall be given the value of seventy-five per cent., the semester examination, twenty-five per cent.

A student who fails to secure sixty per cent. in the semester's mark thus constituted fails in that course. At the option of the instructor he shall be required either to take the deficient course in class, or else prepare for a special examination under a tutor approved by the instructor.

The student may not take such an examination until his tutor has reported to the instructor that he is prepared to do so.

In case of an elective course, he may, by permission of the Faculty, substitute another 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.

The rank in each course for the semester is indicated on a scale of one hundred per cent. "A" signifies a rank of ninety per cent. to one hundred per cent., Honor Grade; "B," a rank of

eighty per cent, to eighty-nine per cent, Honor Grade; "C," from seventy per cent. to seventy-nine per cent.; "D," from sixty per cent. to sixty-nine per cent.; "E," a rank below sixty per cent., with privilege of examination; "F," signifies that the course cannot be made up by examination.

A report of any student's deficiencies will, at the conclusion of each semester, be sent to him and to 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.

#### 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 absences.

The power to grant excuses for absence 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 cheer leader.

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 the room adjoining the President's office. Office hours will be scheduled. Excuses can be obtained at no other time or place.

### 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.

*Residence.* All women not living at home are required to live in the college residence halls unless special arrangements are made with the dean of women *before* admission. These special arrangements may apply in the case of students needing to work their board, or in the case of overcrowding in the college houses. Whatever the arrangement all rooms must be secured through the dean's office.

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, towels, napkins, and napkin ring. The college provides couch beds and all necessary furniture. All rooms are supplied with electric lights.

All women are required to take their meals at Foss Hall, except those who may be working their board in private homes.

The college houses are not open to students during vacation.

**PUBLIC WORSHIP****Men's Division**

Chapel exercises are held in the College Chapel every day except Sundays at 9.45 A. M., with the following exceptions: on the opening day of the year, the Chapel hour is 9 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. Excuses for absence from Chapel must be presented to the Excuse Officer. Such excuses are treated exactly as those for absence from class-room exercises. (See page 114).

**Women's Division**

Daily devotional exercises are held in the College Chapel at the close of the morning recitation (12.10 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; and at the end of each semester, students are required to leave at the Dean's Office a record of their church attendance during the semester.

## 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

### CORRECTION

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 an additional charge of \$6.00 a year for electric lights for all those living in women's dormitories.

permitted 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.



## PUBLIC WORSHIP

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## CORRECTION

For students living in Foss Hall, the total charge for tuition, board, and furnished room is \$385 a year; for those in Mary Row Hall and in Dutton House \$385 a year. There is an additional charge of \$6.00 a year for electric lights for all those living in women's dormitories.

## EXPENSES AND FEES

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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 \$345 a year, for those in Mary Low Hall, and in Dutton House \$335 a year. There is an additional charge of \$5.00 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.

**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; *Geography*: Courses 1, 2, \$3 per semester; *Biology*: Biology 1 and 2, and *Zoölogy 1*, \$3 per semester; *Zoölogy 2*, \$2 per semester; Biology 7 and 8, \$2 per semester; and *Zoölogy 3 and 4*, \$4 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 coöperation 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 \$110,500. 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

Name	Founder	Amount
Appleton	Samuel Appleton, A. A. and Mrs. M. J. Plaisted	\$1000.00
Alden	Rev. W. H. Alden, D.D.	1060.00
Augusta Church	Augusta Baptist Church	675.00
Mabel Keyes Averill	George G. Averill	5000.00
Bangor	First Baptist Church, Bangor	630.00
Barron	William Barron	850.00
Besse	Frank L. Besse	10,000.00
Bickmore	John Bickmore	600.00
Bloomfield Church	Bloomfield Baptist Church	656.00
Butler and Inman	Auburn Baptist Church	935.00
G. W. Bosworth	Free St. Church, Portland	1000.00
Timothy Boutelle	N. R. Boutelle and Edwin Noyes	1000.00
Bolles	James G. Bolles	600.00
A. and P. Coburn	A. and P. Coburn	1000.00
Eleazer Coburn	Eleazer Coburn	600.00
Campbell	Alex Campbell & Co.	600.00

John H. Counce	Mrs. Kezia Counce, A. W. Kennedy, and Pauline H. McCullum	600.00
Cobb	Lemuel Cobb	700.00
Converse	J. H. Converse	750.00
Corinth Church	East Corinth Baptist Church	935.00
	Charles Cushing	1000.00
Class of 1888	Class of 1888	1047.37
*Gardner Colby	Gardner Colby	20,000.00
Davis	Isaac Davis	1000.00
H. V. Dexter	Calais Baptist Church	755.00
Drinkwater	Arthur Drinkwater	600.00
Damariscotta	Damariscotta Baptist Church	725.00
Everett R. Drummond	Albert F. Drummond, Mrs. Robert Thomes, Mrs. Elwood T. Wyman, and Hildegarde V. Drummond	1000.00
J. S. Eaton	Free Street Baptist Church	1000.00
East Winthrop	East Winthrop Baptist Church	600.00
Greenough Patriot	Byron Greenough	1000.00
Greenough No. 1	Byron Greenough	1000.00
Greenough No. 2	Byron Greenough	1000.00
Greenough No. 3	Byron Greenough	1000.00
Greenough No. 4	Byron Greenough	1000.00
Giddings No. 1	Moses Giddings	1000.00
Giddings No. 2	Moses Giddings	1000.00
Goodwin and Bradbury	G. C. Goodwin and B. F. Bradbury	800.00
Hall and Flye	Austin Hall and Edwin Flye	600.00
Hallowell Church	Hallowell Baptist Church	615.00
Hamlin	Hannibal Hamlin	1000.00
Hart	H. B. and H. M. Hart	1000.00
Healy	Aaron Healy	1000.00
Hoag	Susan L. Hoag	1500.00
Howe No. 1	Rev. Wm. Howe, D.D.	1000.00
Howe No. 2	Rev. Wm. Howe, D.D.	1000.00
Humphrey No. 1.	Chapin Humphrey	600.00
Humphrey No. 2	Chapin Humphrey	600.00
King	King family, Calais	750.00
Kingsley	Chester W. Kingsley	1000.00

\*"To be held in trust and forever 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."

## Scholarships

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Moses Lyford	Edwin F. Lyford	1000.00
Knox County		1000.00
Merriam	Franklin Merriam	600.00
Merrill No. 1	J. Warren Merrill	600.00
Merrill No. 2	J. Warren Merrill	600.00
Metcalf	B. D. Metcalf	1000.00
Milliken	D. L. Milliken	600.00
Nye	Joshua Nye	1000.00
Pierce	William and Almira Pierce	1000.00
William and Ellen Purrington	William Purrington	1000.00
President's	J. T. Champlin	1000.00
Pevear	Pevear & Co.	1000.00
C. G. Porter	Joseph Treat	1000.00
Pollard	J. M. Pollard	600.00
Richardson	Wm. T. Richardson	1000.00
Ricker	Joseph Ricker	600.00
Robinson	T. B. Robinson	600.00
John Rounds	Freeport Baptist Church	600.00
Stevens	J. I. Stevens	1000.00
A. K. P. Small	First Baptist Church, Bangor	865.00
Shailer	Wm. H. Shailer	600.00
Skolfield	Wm. K. Skolfield	600.00
South Berwick	South Berwick Baptist Church	1040.00
William Henry Snyder		2500.00
Thayer	Joel B. Thayer	600.00
Thompson No. 1	Arad Thompson	600.00
Thompson No. 2	Arad Thompson	600.00
Thomas Wilson	Thomas Wilson	1000.00
Adam Wilson	Adam Wilson	1000.00
William Wilson	William Wilson	600.00
White	J. C. White	600.00
Warren Church	Warren Baptist Church	640.00
Yarmouth	Yarmouth Baptist Church	601.00
<b>Incomplete Scholarships</b>		
Brunswick	Brunswick Baptist Church	566.25
Buxton	Buxton Baptist Church	405.00
Second Bangor	Second Bangor Baptist Church	526.00
Fayette	Fayette Baptist Church	200.00
Gloucester	Gloucester, Mass., Baptist Church	510.00

Great Falls	Great Falls Baptist Church	443.00
Hesseltine	F. S. Hesseltine	500.00
George Knox	Lewiston Baptist Church	495.00
Harrington	Harrington Baptist Church	434.00
Mt. Vernon	Mt. Vernon Baptist Church	543.00
Portland	Portland First Baptist Church	500.00
G. D. B. Pepper	G. D. B. Pepper and J. R. Elden	200.00
Paris	Paris Baptist Church	400.00
Topsham	Topsham Baptist Church	300.00
Thomaston	Thomaston Second Baptist Church	300.00
Sumner and Hartford	Sumner and Hartford Baptist Church	406.00
Sedgwick	Sedgwick Baptist Church	460.00
N. M. Wood	Lewiston Baptist Church	300.00
Livermore Falls	Livermore Falls Baptist Church	260.00
Liberty	B. D. White and wife, M. J. Kelley, and Liberty Baptist Church	500.00
		\$110,500.00

## 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 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 Registrar of Colby College, at least one month before the date set for the contest.

2. The 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 merit 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 general subject for 1920-1921 is *Education*.

## 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 BETTA 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 for the entire course upon the record of the College at the end of the Senior year is 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 Division 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. for the entire course.

“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.)

Professor J. William Black is the Secretary and Treasurer of the chapter.

## STUDENT ORGANIZATIONS

### The Young Men's Christian Association

The Association is organized on the same plan as those in most other colleges of the country, and is affiliated with them. Its active members are the Christian students of the College, and the Association is designed to help such students to Christian growth and manhood, and to furnish them with facilities for helping others. All the men of the college who are interested in working for clean living can join the Association as associate members. To meet the regular expenses, a membership fee of one dollar is charged all members.

The association holds a religious meeting on the second and fourth Tuesday of each month at 7.30 P. M. This meeting is led by the students, by some member of the Faculty, or by some outside speaker.

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.

The Association also does evangelistic work in the nearby towns. Many opportunities are open to Christian students to lead services in schoolhouses and missions in the outlying districts.

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.

Delegates are sent every year to the Maine College and Preparatory School Conference, to the Eastern Presidents' Conference, and to the Intercollegiate Conference at Northfield, Massachusetts.

Officers for 1920-1921: President, Charles A. Mitchell, '21; Vice-President, Charles H. Gale, '22; Secretary, Raymond J. Bates, '21; Treasurer, Evan J. Shearman, '23; Faculty Representatives, Professors White and Brown, and Mr. Rollins.

### **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 1920-1921: President, Grace R. Foster, '21; Vice-President, Hazel G. Dyer, '22; Secretary, Lorena E. Scott, '23; Treasurer, Elva K. Goodhue, '21; Undergraduate Field Representative, Julia F. Hoyt, '22.

### **The Oracle Association**

Officers for 1920-1921: President, Phil T. Somerville, '21; Treasurer, Stephen H. Ayer, '21; Secretary, Arthur L. Berry, '23.

### **The Oracle Board**

Staff for 1920-1921: Editor-in-Chief, Phil T. Somerville, '21; Business Manager, Stephen H. Ayer, '21; Assistant Managers, Arthur L. Berry, '23, Charles A. Wheeler, '23; Art Editress, Elva K. Goodhue, '21; Associate Editors: Evan J. Shearman, '22, Arthur J. Sullivan, '22, Clyde E. Russell, '22, Henry D. Teague, '22, Arthur E. Urann, '22, Clifford Peaslee, '22, Raymond J. Bates, '22, Bertha E. Gilliatt, '22, Avis Barton,

'22, Mary A. Sweeney, '22, Eleanor C. Bailey, '22, Lorena E. Scott, '22.

### **The Colby Echo**

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

Officers for 1920-1921: Editor, Raymond H. Spinney, '21; Associate Editors, Charles H. Gale, '22, Clyde E. Russell, '22; Hugh C. Whittemore, '22; Assistant Editors: Basil B. Ames, '23; Frederick G. Fassett, Jr., '23, John P. Tilton, '23; Business Manager, Harold C. Marden, '21; Assistant Managers, Walter D. Berry, '22, Leonard W. Mayo, '22; Treasurer, Chauncey L. Brown, '21; Mailing Clerks, John L. Dunstan, '23, E. Stanley Kitchin, '23; Advisory Board, Faculty Members of the English Department and the President of the Student Council.

### **The Colbiana**

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

Officers for 1920-1921: Editor-in-Chief, Irene S. Gushee, '21; First Assistant Editor, Naomi H. Maher, '22; Second Assistant Editor, Hazel G. Dyer, '22; Associate Editors: Literary Editors, Marjorie W. Hornung, '21, Edna M. Chamberlain, '22, Ida F. Jones, '23; News Editor, Gladys I. Briggs, '22; Y. W. C. A. Editor, Grace R. Foster, '21; Alumnae Editor, Doris T. Gower, '21; Sports Editor, Elizabeth S. Smith, '21; Business Manager, Bernice B. Butler, '21; Assistant Business Managers, Annie G. Burgess, '22, Helen Williams, '23.

### **Colby Debating Society**

Officers for 1920-1921: President, George B. Wolstenholme, '22; Vice-President, Charles E. Mitchell, '21; Secretary, Basil B. Ames, '23; Corresponding Secretary, Donald A. Shaw, '21; Treasurer, Stanley G. Estes, '23; Standing Committee, Evan J. Shearman, '22, E. Stanley Kitchin, '23, and Professors Black and Chipman.

### **Colby College Musical Clubs**

Officers for 1920-1921: President, Neil F. Leonard, '21; Manager, Bernard E. Esters, '21; Secretary, Evan J. Shearman, '22; Leaders of Glee Club, Evan J. Shearman, '22; of Mandolin



Club, Reginald H. Sturtevant, '21; of Orchestra and Band, Frank J. Hois, '21.

#### **Athletic Association**

Officers for 1920-1921: President, Neil F. Leonard, '21; Secretary, George F. Terry, '22; Treasurer, Prof. T. B. Ashcraft; Senior Councilman, Reginald H. Sturtevant, '21; Junior Councilman, George F. Terry, '22; Faculty Representatives, Professors George F. Parmenter and Thomas B. Ashcraft; Alumni Representatives, Albert F. Drummond, '88 and Frank W. Alden, '98; Baseball Manager, Wayne W. McNally, '21; Football Manager, William F. Cushman, '22; Track Manager, Thomas G. Grace, '21; Tennis Manager, Henry D. Teague, '22.

#### **Literary Society—Women's Division**

Officers for 1920-1921: President, Adelle M. McLoon, '21; Vice-President, Gladys I. Briggs, '22; Treasurer, Geraldine T. Baker, '21; Sergeant-at-Arms, Annie Brownstone, '23; Chairman of Poster Committee, Marguerite C. Rice, '23.

#### **Student Council**

Officers for 1920-21: President, Reginald H. Sturtevant, '21; Vice-President, Libby Pulsifer, '21; Secretary, Joseph E. Little, Jr., '21; Representatives, Paul L. Brooks, '21, Raymond H. Spinney, '21, William E. Burgess, '21. Llewellyn S. Dunnack, '21, William C. Dudley, '21, George W. Currier, '22, Frederick G. Fassett, Jr., '23, Bernard L. Cratty, '24.

#### **Colby Press Club**

Membership limited to the class in Journalism, editors of the College publications, and to correspondents for newspapers. Meets every Tuesday afternoon from 3.30 to 4.15. Officers for 1920-1921: President, Thomas G. Grace, '21; Secretary, Frederick G. Fassett, Jr., '23.

#### **International Relations Club**

Officers for 1920-1921: President, Donald A. Shaw, '21; Vice-President, William C. Dudley, '21; Corresponding Secretary, Arthur E. Urann, '22; Treasurer, Stanley G. Estes, '22.

# GRADUATE ORGANIZATIONS

## The General Alumni Association

### PRESIDENT

Charles P. Barnes, '92, Houlton, Maine

### VICE-PRESIDENT.

Charles E. Gurney, '98, Portland, Maine

### SECRETARY

Prince A. Drummond, '15, Waterville

### NECROLOGIST

Edwin C. Whittemore, '79, Waterville, Maine

### TREASURER

Charles W. Vigue, '98, Waterville, Maine

### EXECUTIVE COMMITTEE

Herbert E. Wadsworth, '92

R. Wesley Dunn, '68

Robert L. Ervin, '11

Burr F. Jones, '07

Albert F. Drummond, '88

### ALUMNI REPRESENTATIVES ON ATHLETIC ASSOCIATION

Albert F. Drummond, '88

Theodore E. Hardy, '95

### COMMITTEE TO NOMINATE ALUMNI TRUSTEES

Woodman Bradbury, '88

Frank W. Padelford, '98

Fred G. Getchell, '98

J. Colby Bassett, '95

Jeremiah E. Burke, '90

### ALUMNI COUNCIL

#### *To Serve Three Years*

Archie Jordan, '95

Rex. W. Dodge, '06

O. L. Hall, '93

Charles M. Bailey, '20

#### *To Serve Two Years*

John L. Dyer, '98

Herbert C. Libby, '02

Leon C. Guptill, '09

Newton L. Nourse, '19

#### *To Serve One Year*

George L. Beach, '13

C. K. Brooks, '98

Ralph K. Bearce, '95

Milton A. Philbrook, '18

**Boston Colby Alumni Association**

## PRESIDENT

T. Raymond Pierce, '98, Wellesley, Mass.

## VICE-PRESIDENTS

H. E. Hamilton, '96, Greenfield, Mass.

R. L. Emery, '06, Winchester, Mass.

## SECRETARY-TREASURER

F. G. Getchell, '98, Needham, Mass.

## ASSISTANT SECRETARY-TREASURER

A. B. Warren, '99, Dorchester, Mass.

## EXECUTIVE COMMITTEE

*Term expires in 1921*

Emery B. Gibbs, '88

T. Raymond Pierce, '98

Richard Collins, '96

*Term expires in 1922*

Albert Robinson, '93

Charles B. Fuller, '96

Percy F. Williams, '97

*Term expires in 1923*

John B. Pugsley, '05

Burr F. Jones, '07

Nathan Garrick, '10

*Term expires in 1924*

H. C. Curtis, '87

F. P. H. Pike, '98

Russell H. Lord, '12

**The New York Colby Alumni Association**

## PRESIDENT

Joel B. Slocum, '93, 113 W. Monument Ave., Dayton, Ohio

## VICE-PRESIDENT.

Bertha L. Soule, '85, Hotel St. George, Brooklyn, N. Y.

## SECRETARY-TREASURER

George W. Perry, '14, 414 West 120th St., New York City

**Aroostook Colby Club**

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

**Connecticut Valley Colby Club**

PRESIDENT

Charles F. T. Seaverns, '01, Hartford, Conn.

SECRETARY

Royden K. Greeley, '13, Middletown, Conn

EXECUTIVE COMMITTEE

President and Secretary, *ex-officio*, and  
Harry E. Hamilton, '96, Greenfield, Mass.

**Chicago Colby Club**

PRESIDENT

Shailer Mathews, '84, Chicago, Ill.

SECRETARY

Everett L. Wyman, '14, Chicago, Ill.

**The Colby Alumnae Association****PRESIDENT**

Eva Pratt Owen, '14

**FIRST VICE-PRESIDENT**

Marion Ruth Daggett, '19

**SECOND VICE-PRESIDENT**

Martha Benson Hopkins, '03

**SECRETARY**

Ruth Walker Goodwin, '15

**TREASURER**

Alice May Purinton, '99

**EXECUTIVE COMMITTEE**

Inez Bowler, '07

Ellen Mary Pillsbury, '11

Hildegarde Veth Drummond, '19

**NECROLOGIST**

Hattie May Parmenter, '89

**COLBIANA ALUMNAE EDITOR**

Ethel May Russell, '00

**ALUMNAE COUNCIL**

Louise Helen Coburn, '77

Harriet Vigue Bessey, '97

Rose Adelle Gilpatrick, '92

Edith Watkins Chester, '04

Eva Pratt Owen, '14 Florence Elizabeth Dunn, '96

Alice May Purinton, '99

## COLBY 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 visits 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.

#### Faculty

DREW THOMPSON HARTHORN, A.M., *Principal.*  
EDITH PIERCE WHITTEN, A.B., *French*  
MARY PHYLLIS STCLAIR, A.B. *Latin.*  
CLARA PRESCOTT MORRILL, A.M. *English, Greek.*  
FRED LEXEY DAYE, A.B. *Science.*  
FRANCES H. BUTLER. *Household Arts.*  
PAUL FREDERICK FRASER, B.S. *Physical Director.*  
*Civics, Economics.*  
GUY RAYMOND WHITTEN. *Mathematics.*  
RUTH EMILY HARTHORN. *Household Arts, English.*

FRED AUGUST TARBOX. *In charge of Thayer's Hall.  
History.*

CARL JEAN TOLMAN. *Director of Music.*

NELLIE F. STEVENS. *Teacher of Piano.*

EXERENE LENORA FLOOD. *Elocution.*

RUTH HELEN ABBOTT. *Registrar and Secretary to Principal.*

### HEBRON ACADEMY

HEBRON, OXFORD COUNTY.

Chartered by the Legislature of Massachusetts in 1804, this Academy has a long and honorable record. It offers four 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 preparing for college.
4. An elementary course for students who have completed at least six grades of elementary schooling.

#### Faculty

WILLIAM EDWARD SARGENT, A.M. (Bowdoin), (Litt. D. Colby). *Principal.* Elected in 1885. *Latin.*

ARTHUR LEE FIELD, A.B., Colby, 1905, Appointed in 1908. *Mathematics.*

CHARLES CLARKE DWYER, A.B., Colby, 1908, Appointed in 1908. *Athletic Director and Assistant in Science.*

ERNEST CUMMINGS MARRINER, A.B., Colby, 1913, Appointed in 1913. *English.*

RAYMOND RUSSELL THOMPSON, B.S., Colby, 1915, Appointed in 1915. *Science.*

LUCY MAE ALLEN, A.B., Colby, 1917. *Preceptress.* Appointed in 1919. *Assistant in English.*

EDITH CAROLINE ROBINSON, A.B., Colby, 1916. Appointed in 1919. *Assistant in Mathematics.*

ELIZABETH MARION WHITTIER, A.B., Bates, 1911. Appointed in 1920. *Assistant in Modern Languages and History.*

ROBERT ALBERT KINGSLEY, A.B., Brown, 1920. Appointed in 1920. *Modern Languages.*

MAYNARD COLE WALTZ, A.B., Bowdoin, 1920. Appointed in 1920. *Assistant in Latin and History.*

CLOYD ELDEN SMALL, A.B., Bowdoin, 1920. Appointed in 1920. *Assistant in English and Science.*

JOSEPHINE LOUISE WIGHT, Gorham Normal, 1920. Appointed in 1920. *Preparatory and Household Studies.*

MARJORIE ERWIN, New England Conservatory of Music, 1910. Appointed in 1920. *Pianoforte.*

HORTENSE HOYT, Graduate of School of Expression. Appointed in 1920. *Elocution, Physical Culture for Girls.*

### RICKER CLASSICAL INSTITUTE

HOULTON, AROOSTOOK COUNTY.

This school, incorporated as Houlton Academy, completed its seventieth year in June, 1918. It is the most important educational institution in northern Maine. It offers five courses of study:

1. A College Preparatory Course of four years.
2. A Latin-Scientific Course of four years.
3. An English Course of four years.
4. A Training Course of four years.
5. A Music Course offering instruction in piano, organ, harmony and voice.

#### Faculty

EUGENE H. STOVER, A.M., *Principal. English.* (Colby).

MERLE R. KEYES, B.S., *Sub-Master. Science.* (Colby.)

ESTHER HEDMAN, *Preceptress. French and English.*

CLYDE H. WITHAM. *Mathematics.*

MARION WILLIAMS, A.B. *Latin, Spanish.* (Wheaton).

GLADYS WIGGIN, *Training.*



REV. H. C. SPEED. *Bible Study.*

JOHN PETERSON. *Music.*

### 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. Mathematics.* (Colby).

HUGH A. SMITH, A.B., *Sub-Master.* (Colby).

ANNA E. FLEMING, A.B., *Preceptress.* (Colby).

HILDRED SMITH. *Elocution.* (Leland Powers School).

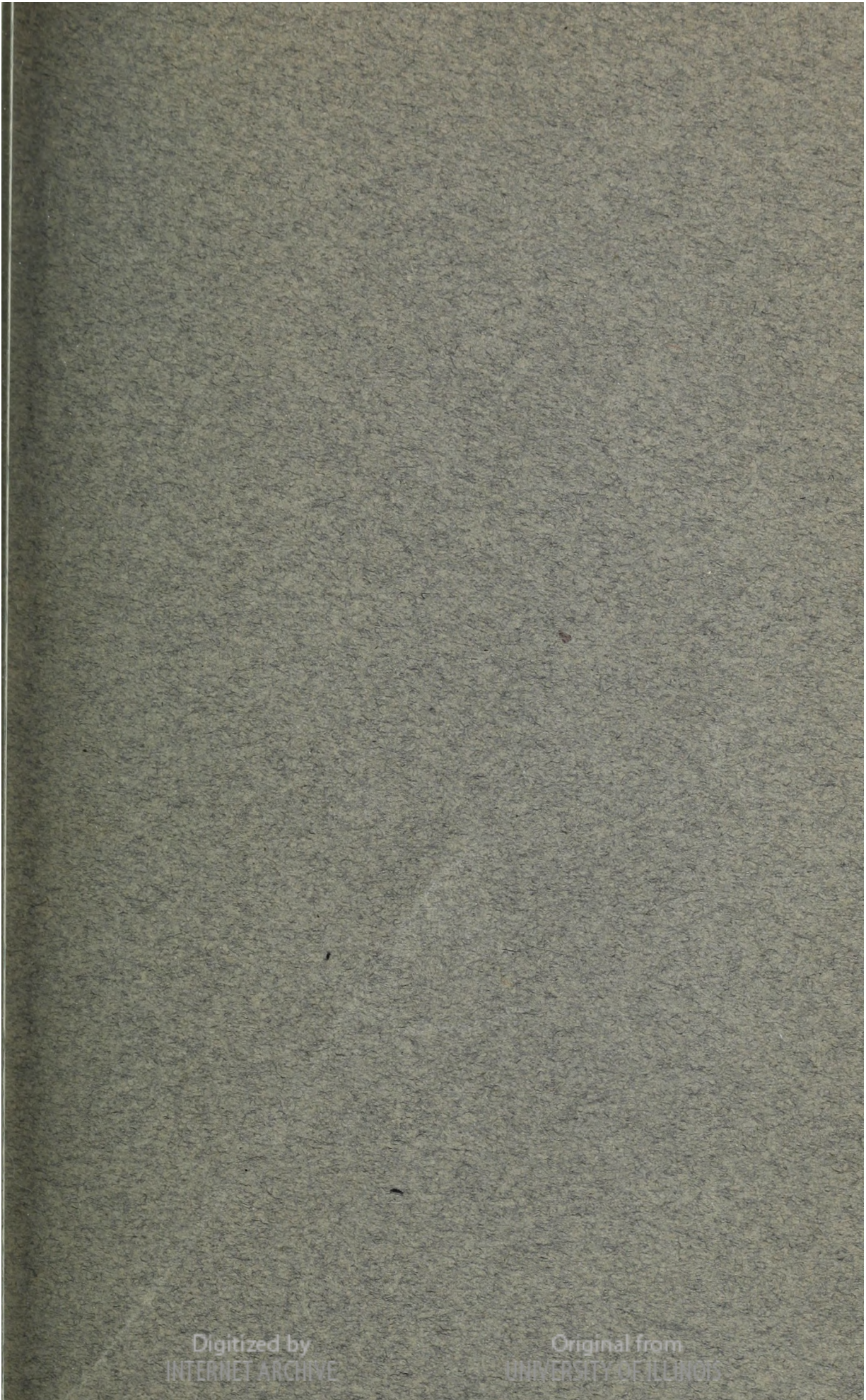
JESSIE AYER. *Normal Department.* (Machias Normal).











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