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Colby College Catalogue 1916 - 1917

Colby College

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Series XVI, No. 1

January, 1917

Colby College Bulletin

Catalogue for 1916-1917



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THE NINETY-SEVENTH
ANNUAL CATALOGUE
OF COLBY COLLEGE
FOR THE YEAR 1916-1917



WATERVILLE, MAINE
Published by the College MDCCCCXVII

1916							1917							1918															
JULY							JAN.							JULY							JAN.								
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S		
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DEC.							JUNE							DEC.							JUNE								
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31	31	30	31	30					

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 1916/17-1921/22

Calendar

1916-1917

Entrance Examinations.....	September 19-20
Registration	September 21
Academic Year began 8 A. M.....	September 22
Colby Day, Friday (and Saturday).....	October 27-28
Thanksgiving Recess	
from 12 M. November 29 to 10 A. M.....	December 4
Christmas Vacation	
from 12 M. December 20 to 8 A. M.....	January 4
First Semester ends 6 P. M. Friday.....	January 26
Midyear Examinations	
Monday, January 29 to Saturday.....	February 3
Second Semester begins 8 A. M. Tuesday.....	February 6
Washington's Birthday.....	February 22
Spring Vacation	
from 6 P. M. Friday, March 23 to 8 A. M.	
Tuesday	April 3
Patriots' Day	April 19
Memorial Day	May 30
Election of Courses for following year, Friday,	June 8
Senior Chapel, 8.30 A. M. Saturday.....	June 9
Final Examinations	
Saturday, June 9 to Friday.....	June 15
Entrance Examinations, 8 A. M.....	June 14-15
Junior Exhibition, 8 P. M. Saturday	June 16
Baccalaureate Sermon, 10.30 A. M. Sunday....	June 17
Boardman Anniversary Sermon, 7.30 P. M.....	June 17
Meeting of the Phi Beta Kappa	
4.30 P. M. Monday.....	June 18
Meeting of the Board of Trustees	
9.30 A. M. Tuesday.....	June 19
Meeting and Luncheon of the Alumni Association	
12.30 P. M. Tuesday.....	June 19
Phi Beta Kappa Oration, 8 P. M. Tuesday.....	June 19
Commencement Exercises, 10 A. M. Wednesday.	June 20
Commencement Dinner, 12.30 P. M. Wednesday.	June 20

1917-1918

Entrance Examinations	September 18-19
Registration	September 20
Academic Year begins 8 A.M.....	September 21
Colby Day, Friday (and Saturday).....	October 26-27
Thanksgiving Recess	
from 12 M. November 28 to 10 A. M.....	December 3
Christmas Vacation	
from 12 M. December 19 to 8 A. M.....	January 3
First Semester ends 6 P. M. Friday.....	January 25
Midyear Examinations	
Monday, January 28 to Saturday.....	February 2
Second Semester begins, 8 A. M. Tuesday.....	February 5
Washington's Birthday.....	February 22
Spring Vacation	
from 6 P. M. Friday, March 22 to 8 A. M.	
Tuesday	April 2
Patriots' Day	April 19
Memorial Day	May 30
Election of Courses for following year, Friday.	June 7
Senior Chapel, 8.30 A. M. Saturday.....	June 8
Final Examinations	
Saturday, June 8 to Friday.....	June 14
Entrance Examinations, 8 A. M.....	June 13-14
Junior Exhibition, 8 P. M. Saturday.....	June 15
Baccalaureate Sermon, 10.30 A. M. Sunday....	June 16
Boardman Anniversary Sermon, 7.30 P. M.....	June 16
Meeting of the Phi Beta Kappa	
4.30 P. M. Monday.....	June 17
Meeting of the Board of Trustees	
9.30 A. M. Tuesday.....	June 18
Meeting and Luncheon of the Alumni Association	
12.30 P. M. Tuesday.....	June 18
Phi Beta Kappa Oration, 8 P. M. Tuesday.....	June 18
Commencement Exercises, 10 A. M. Wednesday.	June 19
Commencement Dinner, 12.30 P. M. Wednesday.	June 19

COLBY COLLEGE

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

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

received should go toward the reduction of the tuition of 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 1869, 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 they were distinct institutions.

TRUSTEES

Officers of the Corporation

ARTHUR JEREMIAH ROBERTS, M.A., PRESIDENT
LESLIE C. CORNISH, LL.D., VICE-PRESIDENT, AND *ex-officio*
CHAIRMAN OF THE BOARD OF TRUSTEES
WILFORD G. CHAPMAN, B.A., SECRETARY Portland
GEORGE K. BOUTELLE, LL.B., TREASURER Waterville

Board of Trustees

Term Expires in 1917

ARNO W. KING, LL.D.	Ellsworth
HERBERT W. TRAFTON, B.A.	Fort Fairfield
GEORGE E. MURRAY, B.A.	Lawrence, Mass.
WILFORD G. CHAPMAN, B.A.	Portland
FRANCIS W. BAKEMAN, D.D.	Chelsea, Mass.
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DAVID W. CAMPBELL, M.A.	Cherryfield
†WILLIAM C. CRAWFORD, L.H.D.	Allston, Mass.
EDWIN C. WHITTEMORE, D.D.	Waterville

Term Expires in 1918

*GEORGE BULLEN, D.D.	Newton Centre, Mass.
JOSEPH L. COLBY, LL.D.	Newton Centre, Mass.
GEORGE K. BOUTELLE, LL.B.	Waterville
GEORGE C. WING, LL.D.	Auburn
†GEORGE OTIS SMITH, PH.D.	Washington, D. C.
DUDLEY P. BAILEY, M.A.	Everett, Mass.
†EMERY B. GIBBS, LL.B.	Boston, Mass.
FRED M. PREBLE, D.D.	Riverside, Cal.
†REX W. DODGE, B.S.	Portland

† Elected by the Alumni Association.

* Deceased.

Term Expires in 1919

FRANK W. PADELFORD, D.D.	Boston, Mass.
ABIJAH R. CRANE, D.D.	Arlington, N. J.
RICHARD C. SHANNON, LL.D.	Brockport, N. Y.
REUBEN WESLEY DUNN, M.A.	Waterville
ASHER C. HINDS, LL.D.	Washington, D. C.
JOSEPH K. WILSON, D.D.	Boston, Mass.
†WOODMAN BRADBURY, D.D.	Cambridge, Mass.
†BEECHER PUTNAM, B.A.	Houlton
ARTHUR J. ROBERTS, M.A.	Waterville
†CHARLES FRANKLIN WARNER, Sc.D.	Springfield, Mass.
NORMAN L. BASSETT, LL.B.	Augusta

†Elected by the Alumni Association.

Committees of the Trustees, 1916-1917

STANDING COMMITTEES

INVESTMENT

Messrs. King, Roberts and Bassett

FINANCE

Messrs. Wing, Bailey, Chapman, Boutelle and Dunn

HONORARY DEGREES

Messrs. Gibbs and Bradbury

PROFESSORSHIPS

The President, Messrs. Bakeman, Whittemore, Crawford and Padelford

INSTRUCTION

The Faculty, *ex-officio*

ACADEMIES

Messrs. Trafton, Warner, Campbell, Putnam and Moore

NOMINATIONS

Messrs. Smith, Owen and Murray

SCHOLARSHIP AID

The President, Professor White, and the Acting Dean of Women's Division

COMMENCEMENT

Messrs. Gibbs, Murray, Preble, Dunn and Professor Parmenter

PRUDENTIAL

The President, Professor Taylor and Mr. Horace Purinton

SPECIAL COMMITTEES

CENTRAL HEATING PLANT

Messrs. Dunn, Crawford and Padelford

BUILDINGS AND GROUNDS

Messrs. Dodge, Crawford and Owen

ENDOWMENT

The President, Messrs. Shannon, Wing, Gibbs, Smith, Whittemore, Chapman, 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

FACULTY

- ARTHUR JEREMIAH ROBERTS, M. A., *President*,
Babcock Professor of Psychology and Moral Philosophy
33 College Avenue; Office, Chemical Hall
- JULIAN DANIEL TAYLOR, LL.D., *Professor of the Latin
Language and Literature* 37 College Avenue
- JAMES WILLIAM BLACK, PH.D., *Professor of History and
Political Science* 56 Pleasant Street
- ANTON MARQUARDT, PH.D., *Professor of the German Lan-
guage and Literature* R. F. D. 37, Waterville
- CLARENCE HAYWARD WHITE, M.A., *Professor of the Greek
Language and Literature* 3 Nudd Street
- GEORGE FREEMAN PARMENTER, PH.D., Sc.D., *Merrill
Professor of Chemistry* 3 Sheldon Place
- WEBSTER CHESTER, M.A., *Professor of Biology*
47 Winter Street
- THOMAS BRYCE ASHCRAFT, PH.D., *Professor of Mathe-
matics* 34 Pleasant Street
- FREDERICK WARREN GROVER, PH.D., *Professor of Physics*
24 Pleasant Street
- HERBERT CARLYLE LIBBY, B.A., *Professor of Public
Speaking, Registrar* 38 Burleigh Street
- HOMER PAYSON LITTLE, PH.D., *Professor of Geology,
Excuse Officer* 3 Greylock Street
- FRENCH EUGENE WOLFE, PH.D., *Associate Professor of
Economics* 15 Park Street
- PHILIP WARNER HARRY, PH.D., *Associate Professor of
Romance Languages* 31 Pleasant Street
- CHARLES PHILLIPS CHIPMAN, B.A., *Associate Professor
of Bibliography, Librarian* 183 Main Street
- BENJAMIN EDWARD CARTER, M. A., *Assistant Professor
of Mathematics* 3 Center Place
- ROBERT WARNER CROWELL, M.A., *Assistant Professor of
German, Secretary of the Faculty* Essex Road

The Faculty

11

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

ROBERT GAMBLE CASWELL, PH.D., *Assistant Professor of Chemistry*
11 School Street

GILBERT TOLMAN, M.A., *Assistant Professor of Physics*
15 Bartlett Street

GEORGE BRUCE FRANKLIN, M.A., *Assistant Professor of English*
15 Bartlett Street

MARY CASTLE COOPER, *Acting Dean of the Women's Division*
Foss Hall

ALICE HEALD WHITE, MUS. B., *Instructor in Music in the Women's Division*
3 Nudd Street

HENRY WILLIAM BROWN, M.S., *Instructor in English*
34 Winter Street

FREDERICK GARDINER FASSETT, *Instructor in Journalism*
15 School Street

†CLARENCE RICHARD JOHNSON, B.A., *Instructor in Romance Languages*

ARTHUR MILTON ROWE, B.A., *Instructor in Chemistry*
12 Center Street

DONALD WITHERLE ELLIS, B.A., *Instructor in English*
7 Nudd Street

HENRY AUGUSTUS BRICKLEY, M.A., *Instructor in Romance Languages*
193 Main Street

ARTHUR NELSON SMITH, *Director of Physical Training in the Men's Division*
50 Pleasant Street

MARY LANE CARLETON, B.A., *Secretary to the President*
33 Pleasant Street

†On leave of absence for one year.

Committees of the Faculty

ATHLETICS

Professor Parmenter, *Chairman*, Professor Little and Mr. Smith

CONFERENCE BOARD

President Roberts, *Chairman*, Professors Taylor and Libby

CURRICULUM

President Roberts, *Chairman*, Professors White, Parmenter, Little, Grover, Ashcraft and Harry

NON-ATHLETIC ORGANIZATIONS

Professor Chester, *Chairman*, Professors Little and Franklin

ENTRANCE EXAMINATIONS

President Roberts, *Chairman*, Professors Carter and Crowell

ENTRANCE CERTIFICATES

Professor Taylor, *Chairman*, Professors Parmenter and Libby

GRADUATE STUDENTS

Professor Black, *Chairman*, and Professor Wolfe

STANDING OF STUDENTS

Professor Chester, *Chairman*, Professors Grover and Libby

WOMEN'S DIVISION

President Roberts, *Chairman*, Professors Taylor, Black, Tolman, Trefethen and Wolfe

Matrons

MISS ELLA F. BUTMAN

Foss Hall

MISS HAZEL L. ROBINSON

Mary Low Hall

MISS ANNIE F. TREWORGY

Dutton House

Janitor

FRED SHORT

41 Prospect Street

STUDENTS

ABBREVIATIONS: A. T. Ω. Ho., Alpha Tau Omega Chapter House, (North Division, South College); C. C. Ho., Commons Club Chapter House, (North Division, North College); R. H., Roberts Hall; H. H., Hedman Hall; Δ. K. E. Ho., Delta Kappa Epsilon Chapter House; (21 College Avenue); Δ. Υ. Ho., Delta Upsilon Chapter House, (South Division, North College); F. H., Foss Hall, (30 College Avenue); D. H., Dutton House; M. L. H., Mary Low Hall, (22 College Avenue); Φ. Δ. Θ. Ho., Phi Delta Theta Chapter House, (31 College Avenue); Ζ. Ψ. Ho., Zeta Psi Chapter House, (South Division, South College); C. H., Chemical Hall.

The Men's Division

SENIOR CLASS

Wilbur James Blades	<i>Needham, Mass.</i>	Z. Ψ. Ho.
Burton Byron Blaisdell	<i>New Harbor</i>	Φ. Δ. Θ. Ho.
Harold Spencer Brown	<i>Waterville</i>	2 Sheldon Pl.
Elmer Wilmot Campbell	<i>Ashland</i>	A. T. Ω. Ho.
Edward Dennis Cawley	<i>Lowell, Mass.</i>	Z. Ψ. Ho.
Albert Beverly Crossman	<i>Needham, Mass.</i>	Z. Ψ. Ho.
Lloyd Lester Davis	<i>South Paris</i>	Z. Ψ. Ho.
Joseph Herbert Deasy	<i>Houlton</i>	Z. Ψ. Ho.
Foster Eaton	<i>Waterville</i>	55 Silver St.
William Helms Erbb	<i>Hallowell</i>	Δ. Υ. Ho.
John Francis Everett	<i>Pittsfield, Mass.</i>	C. C. Ho.
Carroll Benjamin Flanders	<i>Skowhegan</i>	A. T. Ω. Ho.
Donald Brown Flood	<i>Waterville</i>	17 Center St.
Maurice Irving Friedman	<i>New York, N. Y.</i>	12 H. H.
Harold Everett Hall	<i>South Paris</i>	A. T. Ω. Ho.
Francis Edward Heath	<i>Waterville</i>	60 Front St.
Leland David Hemenway	<i>Union</i>	C. C. Ho.
George Leroy Holley	<i>Knoxville, Tenn.</i>	19 R. H.
Ralph Bucher Huber	<i>Corning, N. Y.</i>	Δ. K. E. Ho.
Morrill Leonard Ilsley	<i>Washington, D. C.</i>	5 Winter St.
Maurice Burton Ingraham	<i>Bangor</i>	Δ. K. E. Ho.
Charles Wallace Lawrence	<i>South Poland</i>	Φ. Δ. Θ. Ho.

Gerald Earle Leeds	<i>New York, N. Y.</i>	Δ. K. E. Ho.
Theodore Nathan Levine	<i>Waterville</i>	35 Ticonic St.
Andrew Colby Little	<i>Boston, Mass.</i>	Δ. K. E. Ho.
Thorwald Berner Madsen	<i>Portland</i>	C. C. Ho.
Fred Albert Pottle	<i>East Otisfield</i>	A. T. Ω. Ho.
Hugh Spencer Pratt	<i>Corning, N. Y.</i>	Δ. K. E. Ho.
Charles Brusio Price	<i>Worcester, Mass.</i>	13 Center St.
Oswald Herdman Rankin	<i>Bristol, England</i>	21 R. H.
Edward Donald Record	<i>Livermore Falls</i>	C. C. Ho.
Albert Raymond Rogers	<i>Waterville</i>	12 Ash St.
Cecil Augustus Rollins	<i>Vassalboro</i>	C. C. Ho.
Ernest Raymond Scribner	<i>Houlton</i>	Δ. T. Ho.
Alanson Eugene Skillings	<i>Oakland</i>	Oakland
Ralph Nelson Smith	<i>Worcester, Mass.</i>	Δ. K. E. Ho.
William Burgess Smith	<i>Oakland</i>	Oakland
Aubert Newcomb Sylvester	<i>Ashland</i>	R. F. D. 38
Mark Randall Thompson	<i>Woodhaven, N. Y.</i>	Φ. Δ. Θ. Ho.
Donald Webster Tozier	<i>Waterville</i>	A. T. Ω. Ho.
Harry Horatio Upton	<i>Waterville</i>	Δ. T. Ho.
George Glenwood Watson	<i>Dexter</i>	C. C. Ho.
Winthrop Lambert Webb	<i>Winthrop</i>	Δ. T. Ho.
Ray Elwyn Whelden	<i>Westbrook</i>	A. T. Ω. Ho.
Paul Gerhardt Whittemore	<i>Fayette</i>	C. C. Ho.
Oliver Conrad Wilbur	<i>Adams, Mass.</i>	C. C. Ho.
Lester Edward Young	<i>Ellsworth</i>	R. R. Y. M. C. A.

JUNIOR CLASS

Paul Eugene Alden	<i>Cumberland Mills</i>	3 H. H.
Carleton Moore Bailey	<i>Livermore Falls</i>	C. C. Ho.
Merrill Albert Bigelow	<i>Augusta</i>	2 H. H.
Howard Gilkey Boardman	<i>Dark Harbor</i>	Δ. T. Ho.
George Fred Lull Bryant	<i>Woodfords</i>	29 Pleasant St.
Elmer Reginald Craig	<i>Fairfield</i>	8 Belmont Ave.
Irving Marsh Derby	<i>Brooklyn, N. Y.</i>	Z. Ψ. Ho.
James Hugh Dunn	<i>Scituate, Mass.</i>	Δ. T. Ho.
George Edwin Ferrell	<i>Fitchburg, Mass.</i>	A. T. Ω. Ho.
Sewell Leroy Flagg	<i>Waterville</i>	27 Silver St.
Clyde Milbury Flint	<i>Waterville</i>	The Hanford
Robert Harold Gallier	<i>Worcester, Mass.</i>	A. T. Ω. Ho.
Francis Paul Gately	<i>Waltham, Mass.</i>	A. T. Ω. Ho.
Harold Wilson Goodrich	<i>Pittsfield, Mass.</i>	C. C. Ho.

Students

15

Ralph King Harley	<i>South Hanson, Mass.</i>	Z. Ψ. Ho.
Raymond Laforest Haskell	<i>Harrison</i>	Φ. Δ. Θ. Ho.
Wallace Gerry Hastings	<i>Suffield, Conn.</i>	Φ. Δ. Θ. Ho.
Roy Mitchell Hayes	<i>North Berwick</i>	A. T. Ω. Ho.
Wolcott Paige Hayes	<i>Washington, D. C.</i>	A. T. Ω. Ho.
Howard Foster Hill	<i>Waterville</i>	225 Main St.
Ross Stanley Holt	<i>Clinton</i>	Δ. K. E. Ho.
Fred Knowlton Hussey	<i>Albion</i>	C. C. Ho.
George Ernest Ingersoll	<i>Brooklyn, N. Y.</i>	Φ. Δ. Θ. Ho.
Donald Gleason Jacobs	<i>East Pepperell, Mass.</i>	Δ. T. Ho.
Norman Dunham Lattin	<i>Corning, N. Y.</i>	Δ. K. E. Ho.
Preston Burpee Libby	<i>Fort Fairfield</i>	3 Appleton St.
Eugene Bliss Marriner	<i>Searsmont</i>	C. C. Ho.
Robert Allison Matthews	<i>Holden, Mass.</i>	Δ. K. E. Ho.
Harris Birdsill McIntyre	<i>Houlton</i>	Φ. Δ. Θ. Ho.
Harvard Edgar Moor	<i>Ellsworth</i>	R. H.
Herbert Lee Newman	<i>Weston</i>	C. C. Ho.
Dennis Thomas O'Leary	<i>Turners Falls, Mass.</i>	Morrill Av.
Raymond Henry Parker	<i>Bluehill</i>	Δ. T. Ho.
Alfred Hopkins Patterson	<i>Attleboro, Mass.</i>	C. C. Ho.
Jonas Gleason Perry	<i>Camden</i>	Δ. K. E. Ho.
Milton Alvah Philbrook	<i>Matinicus</i>	Φ. Δ. Θ. Ho.
Charles Hermes Piebes	<i>Brooklyn, N. Y.</i>	Φ. Δ. Θ. Ho.
John Kemp Pottle	<i>East Otisfield</i>	A. T. Ω. Ho.
Ellsworth Prince	<i>Madison</i>	Φ. Δ. Θ. Ho.
Albert Franklin Robinson	<i>Warren</i>	C. C. Ho.
Carl Webster Robinson	<i>Meredith, N. H.</i>	9 Park St.
Hugh Laughlin Robinson	<i>Waterville</i>	9 Park St.
George Robert Skillin	<i>West Somerville, Mass.</i>	C. C. Ho.
Ray Wellington Smith	<i>Waterville</i>	R. R. Y. M. C. A.
Vernon G. Smith	<i>Washburn</i>	A. T. Ω. Ho.
Richard Lothian Sprague	<i>Waterville</i>	17 West St.
Paul Allison Thompson	<i>Woodhaven, N. Y.</i>	Φ. Δ. Θ. Ho.
Clifton Marcellus Tracy	<i>Monticello</i>	3 H. H.
Raymond Carlyle Whitney	<i>Cambridge</i>	Δ. T. Ho.
Elwood Arthur Wyman	<i>Whitman, Mass.</i>	Δ. K. E. Ho.

SOPHOMORE CLASS

Charles Victor Andersen	<i>Framingham, Mass.</i>	Δ. T. Ho.
Willard Bailey Arnold	<i>Waterville</i>	88 Silver St.
John Chester Ashworth	<i>Waltham, Mass.</i>	Δ. K. E. Ho.

Charles Martin Bailey, 2d	<i>Winthrop Center</i>	34 Winter St.
Phineas Putnam Barnes	<i>Houlton</i>	13 H. H.
Carl Norman Beetle	<i>New Bedford, Mass.</i>	4 R. H.
Marston Leadbetter Beverage	<i>North Haven</i>	2 R. H.
Leslie Lyman Black	<i>South Brooksville</i>	174 Silver St.
Frederick Davis Blanchard	<i>Sherborn, Mass.</i>	C. C. Ho.
Ralph Ebbett Bradbury	<i>Van Buren</i>	C. C. Ho.
Robert Tyrrell Carey	<i>Islesboro</i>	13 Morrill Ave.
Errol Cleveland Chase	<i>Skowhegan</i>	A. T. Ω. Ho.
William Chittenden	<i>East River, Conn.</i>	Δ. K. E. Ho.
John Foster Choate	<i>Cambridge, Mass.</i>	17 H. H.
William Windsor Chute	<i>Paris</i>	H. H.
James Bernard Conlon	<i>Fitchburg, Mass.</i>	A. T. Ω. Ho.
Edward Moody Cook	<i>York Village</i>	3 R. H.
Horace Ober Coolidge	<i>Wellesley, Mass.</i>	A. T. Ω. Ho.
Laureston Alpheus Craig	<i>Island Falls</i>	Δ. K. E. Ho.
Ira Everett Creelman	<i>Suffield, Conn.</i>	H. H.
Edward Alexander Cronin	<i>Pittsfield, N. H.</i>	C. C. Ho.
Francis Neal Dow	<i>North Brooksville</i>	34 Winter St.
Ralph Hudson Drew	<i>Houlton</i>	Φ. Δ. Θ. Ho.
Wentworth Vincent Driscoll	<i>Brooklyn, N. Y.</i>	Z. Ψ. Ho.
Smith Dunnack	<i>Bangor</i>	Φ. Δ. Θ. Ho.
Eugene Fuller Ellingwood	<i>Caribou</i>	13 R. H.
Herbert Henry Fletcher	<i>Waterville</i>	167 College Ave.
William Drummond Gallier	<i>Concord, N. H.</i>	A. T. Ω. Ho.
Gordon Enoch Gates	<i>Foxcroft</i>	R. H.
Frederick Alexander Gibson	<i>Portsmouth, N. H.</i>	Φ. Δ. Θ. Ho.
Nathan Warren Grant	<i>Hartford, Conn.</i>	Δ. K. E. Ho.
John William Greene	<i>Bluehill</i>	C. C. Ho.
Aubrey Eugene Greenlaw	<i>Masardis</i>	Δ. T. Ho.
Benjamin Shaw Hanson	<i>Sanford</i>	Δ. T. Ho.
Fred Rufus Harriman	<i>Bristol, N. H.</i>	A. T. Ω. Ho.
Arthur Steward Heath	<i>Waterville</i>	60 Front St.
George Fox Hendricks	<i>New Rochelle, N. Y.</i>	Δ. T. Ho.
Lincoln Heyes	<i>Attleboro, Mass.</i>	22 H. H.
Ralph Currie Hughes	<i>Houlton</i>	Φ. Δ. Θ. Ho.
Charles Barron Johnson	<i>Fairfield</i>	Z. Ψ. Ho.
John Harold Johnson	<i>Concord, N. H.</i>	Δ. T. Ho.
Jacob Astor Klain	<i>Norway</i>	18 H. H.
James Andrews Knox	<i>Painted Post, N. Y.</i>	H. H.
Isaac Dewey Love	<i>Lonaconing, Md.</i>	15 Park St.
Gerald Raleigh MacCarthy	<i>Skowhegan</i>	A. T. Ω. Ho.

Austin William Maddocks	<i>Owl's Head</i>	Φ. Δ. Θ. Ho.
Ernest LeRoy McCormack	<i>Wytopitlock</i>	H. H.
Raymond Hepburn Merrill	<i>Somerville, Mass.</i>	Φ. Δ. Θ. Ho.
Arthur J. Minister	<i>Toronto, Can.</i>	H. H.
Newton Leroy Nourse	<i>Lancaster, N. H.</i>	Φ. Δ. Θ. Ho.
Harold Abram Osgood	<i>Medford, Mass.</i>	C. C. Ho.
William Russell Pederson	<i>Portland</i>	Φ. Δ. Θ. Ho.
Ernest Joseph Perry	<i>Lawrence, Mass.</i>	Z. Ψ. Ho.
Harold Newell Roundy	<i>Winslow</i>	Winslow
Arthur Garvin Sanderson	<i>Bridgewater</i>	14 R. H.
Berton Lake Seekins	<i>Stonington</i>	C. C. Ho.
Alfred Leslie Shorey	<i>Surry</i>	55 Elm St.
William Edward Small	<i>Pittsfield</i>	11 R. H.
Hugh Allen Smith	<i>Cary</i>	Δ. γ. Ho.
Harold Raymond Speare	<i>Baldwinsville, Mass.</i>	Δ. γ. Ho.
John Wesley Stinson	<i>Prospect Harbor</i>	Z. Ψ. Ho.
John Arthur Stowell	<i>Freeport</i>	Φ. Δ. Θ. Ho.
Robert Edmund Sullivan	<i>Camden, N. J.</i>	R. H.
Galen Ferdinard Sweet	<i>Lincoln Center</i>	11 Pleasant Pl.
Vernon Hall Tooker	<i>Cherryfield</i>	Δ. K. E. Ho.
Daniel P. Tozier	<i>Oakland</i>	Oakland
Seth Ginery Twitchell	<i>Fitchburg, Mass.</i>	13 Morrill Ave.
Earle Stanley Tyler	<i>Harrington</i>	A. T. Ω. Ho.
Martin Maurice Weisman	<i>Brooklyn, N. Y.</i>	H. H.
William Benyon West	<i>Waterville</i>	11 H. H.
Guy Raymond Whitten	<i>Prospect Harbor</i>	Δ. γ. Ho.
Sidney Preble Wyman	<i>Whitman, Mass.</i>	25 College Ave.

FRESHMAN CLASS

Stephen Allen	<i>Thomaston</i>	1 R. H.
Bernal Dana Bailey	<i>Livermore Falls</i>	16 H. H.
Wilbur Noel Baxter	<i>Stockholm</i>	5 H. H.
Henry Lorn Bell	<i>Haverhill, Mass.</i>	21 H. H.
Reginald W. Bolton	<i>Ticonderoga, N. Y.</i>	1 H. H.
Edison E. Bresett	<i>North Adams</i>	A. T. Ω. Ho.
Raymond Oliver Brinkman	<i>Hartford, Conn.</i>	C. C. Ho.
Paul Lester Brooks	<i>Norway</i>	18 H. H.
Chester Asbery Brown	<i>Freeport</i>	19 H. H.
Charles Gordon Brownville	<i>Needham, Mass.</i>	13 R. H.
John Woolman Brush	<i>Mt. Vernon, N. Y.</i>	10 H. H.
Everett White Bucknam	<i>Harrington</i>	A. T. Ω. Ho.

Elliot Elroy Buse	<i>East Chicago, Ind.</i>	Φ. Δ. Θ. Ho.
C. Stanton Carville	<i>Spring Lake</i>	A. T. Ω. Ho.
Joseph Henry Claffie	<i>Dalton, Mass.</i>	R. H.
Carl Howard Conley	<i>Hinckley</i>	R. R. Y. M. C. A.
George Arthur Costley	<i>Waterville</i>	R. F. D.
Daniel Milton Crook	<i>Fall River, Mass</i>	6 H. H.
Clyde Berry Cross	<i>East Corinth</i>	9 H. H.
Walter Wyman Cross	<i>Mattapan, Mass.</i>	Φ. Δ. Θ. Ho.
Donald Haseltine Curtis	<i>Fairfield</i>	Fairfield
Harold Norcross Dempsey	<i>Stillwater</i>	55 Elm St.
Robert Byron Dow	<i>Fort Kent</i>	A. T. Ω. Ho.
William Cheney Dudley	<i>South Berwick</i>	14 R. H.
Charles Spurgeon Eaton	<i>Raynham Center, Mass.</i>	21 H. H.
Rhoden Basse Eddy	<i>Shelburne Falls, Mass.</i>	20 H. H.
Hubert Adams Emery	<i>Shawmut</i>	Shawmut
George Laurence Evans	<i>Biddeford</i>	A. T. Ω. Ho.
Edgar Wendell Everts	<i>Corning, N. Y</i>	6 H. H.
Edward Fahey	<i>Dalton, Mass.</i>	18 R. H.
Alfred Leonhardt Fraas	<i>Fitchburg, Mass.</i>	21 Morrill Ave.
William Martin Fraser	<i>Cambridge, Mass.</i>	5 West St.
Raymond Louis Giroux	<i>Waterville</i>	15 Temple St.
Percy Goldthwaite	<i>Chester, Vt.</i>	9 Center St.
Louis Randolph Goodwin	<i>York Village</i>	3 R. H.
Thomas Grace	<i>Brooklyn, N. Y.</i>	10 R. H.
Merrill Selden Frederick Greene	<i>Athens</i>	C. C. Ho.
Myron Clifton Hamer	<i>Guilford</i>	1 R. H.
William Patten Hancock	<i>York Village</i>	R. H.
Pearl Libby Hanscom	<i>Waterville</i>	8 Allen Road
Curtis Hugh Ross Hatch	<i>Fairfield</i>	Fairfield
Lee Welch Holbrook	<i>East New Portland</i>	17 R. H.
Almon Packard Hunter	<i>Houlton</i>	H. H.
Raymond Osgood Janes	<i>West Hartford, Conn.</i>	10 R. H.
Colby Bartlett Kalloch	<i>Fort Fairfield</i>	1 H. H.
Alexander LaFleur	<i>Waterville</i>	167 Water St.
Harry Earle Lewin	<i>Houlton</i>	H. H.
Joseph Edward Little, Jr.	<i>New London, Conn.</i>	C. C. Ho.
Harold John Logie	<i>Linneus</i>	Δ. Υ. Ho.
Robert Freeman Lord	<i>North Brooksville</i>	13 Center St.
Merle Foster Lowery	<i>Monticello</i>	13 H. H.
Everett Stanley Marshall	<i>Gloucester, Mass.</i>	R. H.
Wendell Phillips McClish	<i>Caribou</i>	23 Western Ave.
Arthur Ray Mills	<i>Monticello</i>	Δ. Υ. Ho.

Charles Archie Mitchell	<i>Haynesville</i>	A. T. Ω. Ho.
Lyman Rogers Morse	<i>Still River, Mass.</i>	Φ. Δ. Θ. Ho.
Raymond Smith Owen	<i>Woodfords</i>	Z. Ψ. Ho.
Edward Louis Perry	<i>Mansfield, Mass.</i>	16 H. H.
Harold Stuart Phillips	<i>Watertown, N. Y.</i>	6 H. H.
Olin Kimball Porter	<i>Houlton</i>	7 H. H.
Albanus Moulton Pottle	<i>East Otisfield</i>	A. T. Ω. Ho.
Ashton Farnham Richardson	<i>Fairfield</i>	Fairfield
Guy Edward Rouse	<i>East Pepperell, Mass.</i>	20 H. H.
Arthur Ferdinand Scott	<i>Englewood, N. J.</i>	10 H. H.
Stanley Neil Shibles	<i>Rockport</i>	15 R. H.
Charles Coburn Smith	<i>Skowhegan</i>	8 H. H.
Reginald Houghton Sturtevant	<i>Livermore Falls</i>	Δ. T. Ho.
Clarence Andrew Tash	<i>Strong</i>	19 H. H.
Thaddeus Freeman Tilton	<i>Woodfords</i>	Δ. T. Ho.
Leslie Burton Titcomb	<i>West Kennebunk</i>	229 Main St.
Harold Thomas Urie	<i>Byfield, Mass.</i>	16 H. H.
Charles Everett Vigue	<i>Waterville</i>	450 Main St.
Sydney Dewey Wentworth	<i>Albion</i>	H. H.
Harold Cummings White	<i>Waterville</i>	5 Mohegan St.
Harry Holman Whiting	<i>Jonesport</i>	4 Winter St.
Robert Edwards Wilkins	<i>Houlton</i>	13 H. H.

SPECIAL AND UNCLASSIFIED

Cecil Leonard Berdeen	<i>Stonington</i>	12 R. H.
Anthony Downs Colby	<i>Rockville, Mass.</i>	5 West St.
Arthur Raymond Daviau	<i>Waterville</i>	24 Summer St.
Edward Capen Dunbar	<i>Fitchburg, Mass.</i>	22 R. H.
Rollo Buckingham Fagan	<i>Waverley, Mass.</i>	5 West St.
Arthur M. Greeley	<i>Oakland</i>	Oakland
Wilfred Geoffrey Hurley	<i>Frankfort</i>	Bay View Hotel
Justin Oley Johnson	<i>East Sullivan</i>	21 R. H.
Thomas Francis Joyce	<i>New York, N. Y.</i>	Δ. T. Ho.
John Ingraham Liscomb	<i>Portland</i>	H. H.
Edwin Farnham Mabie	<i>Allston, Mass.</i>	5 H. H.
Bernard Richard Murphy	<i>Brookline, Mass.</i>	17 R. H.
Everett Adolphus Rockwell	<i>Smyrna Mills</i>	20 R. H.
Milford Isaac Umphrey	<i>Washburn</i>	A. T. Ω. Ho.

The Women's Division

SENIOR CLASS

Myrtle Louise Aldrich	<i>Worcester, Mass.</i>	7 Park St.
Lucy Mae Allen	<i>Camden</i>	F. H.
Attalena Atkins	<i>Dexter</i>	F. H.
Winifred Katharine Atwood	<i>Fairfield</i>	Fairfield
Eva Marion Bean	<i>Bethel</i>	F. H.
Margaret Helen Brown	<i>North Haven</i>	F. H.
Harriet Isabella Canham	<i>No. Vassalboro</i>	No. Vassalboro
Mary Catherine Clarkin	<i>Waterville</i>	11 Centre St.
Helen Dorothy Cole	<i>Waterville</i>	14 Nash St.
Myra Alta Cross	<i>Colebrook, N. H.</i>	F. H.
Madeline Daggett	<i>Dexter</i>	F. H.
Marian Ruth Daggett	<i>Waterville</i>	25 Burleigh St.
Gertrude Viola Donnelly	<i>No. Vassalboro</i>	No. Vassalboro
Ethel Estella Duff	<i>Houlton</i>	D. H.
Hazel Alta Durgin	<i>West Forks</i>	F. H.
Grace Alma Farnum	<i>Danbury, N. H.</i>	F. H.
Grace Constance Fletcher	<i>Waterville</i>	167 College Ave.
Hazel Millicent Gibbs	<i>Kent's Hill</i>	22 College Ave.
Mildred Burdena Greeley	<i>Rumney, N. H.</i>	D. H.
Mildred Sanborn Greene	<i>Loudon, N. H.</i>	F. H.
Leonora Austin Knight	<i>Westport</i>	M. L. H.
Selma Koehler	<i>Cliftondale, Mass.</i>	F. H.
Elsie Mae Lane	<i>Rockport</i>	M. L. H.
E. Jeanne Moulton	<i>Cumberland Center</i>	20 Center St.
Ruth Murdock	<i>Sanford</i>	D. H.
Flora Amanda Norton	<i>Kingfield</i>	F. H.
Hazel Louise Robinson	<i>Berlin, N. H.</i>	22 College Ave.
Irma Marian Ross	<i>Corinna</i>	M. L. H.
Susie May Smith	<i>Augusta</i>	M. L. H.
Floy Margaret Strout	<i>Milo</i>	F. H.
Lucy Butler Taylor	<i>Skowhegan</i>	F. H.
Annie Florence Treworgy	<i>East Surry</i>	D. H.
Lillian Nina Tuttle	<i>Limerick</i>	M. L. H.
Phoebie Joan Ross Vincent	<i>Houlton</i>	F. H.
Marion Hayward White	<i>Waterville</i>	3 Nudd St.

JUNIOR CLASS

Doris Perkins Andrews	<i>Oxford</i>	M. L. H.
Ethel Mildred Armstrong	<i>Camden</i>	M. L. H.
Marguerite Todd Bradbury	<i>Newburyport, Mass.</i>	M. L. H.
Helene Bradbury Buker	<i>Saco</i>	F. H.
Eunice Eliza Chase	<i>Skowhegan</i>	F. H.
Hazel Eleanor Cobb	<i>Gardiner</i>	F. H.
Phyllis Frances Cole	<i>Barre, Mass.</i>	F. H.
Gladys Viola Craft	<i>Medford, Mass.</i>	F. H.
Alta Estelle Davis	<i>Newport</i>	M. L. H.
Florence Eaton	<i>Waterville</i>	55 Silver St.
Elizabeth Rose Fernald	<i>East Boothbay</i>	F. H.
Annie Violet French	<i>Winthrop</i>	F. H.
Norma Hoit Goodhue	<i>Fort Fairfield</i>	F. H.
Winifred Belle Greeley	<i>Rumney, N. H.</i>	D. H.
Leah Marion Horne	<i>Fairfield</i>	Fairfield
Mary Elizabeth Jordan	<i>Bar Harbor</i>	D. H.
Cornelia Pulsifer Kelley	<i>Waterville</i>	76 Silver St.
Hortense Gould Lambert	<i>Kennebunk</i>	F. H.
Marian Eaton Lewis	<i>Fryeburg</i>	F. H.
Hazel Edith Loane	<i>Fort Fairfield</i>	F. H.
Gertrude Elizabeth Megquier	<i>Weston</i>	M. L. H.
Daisy Idella Murray	<i>Oakland</i>	57 Pleasant St.
Catherine Esther Murray	<i>Waterville</i>	9 Ticonic St.
Margaret Ella Perkins	<i>Waterville</i>	3 West Court
Lenna Hulda Prescott	<i>Lawrence, Mass.</i>	F. H.
Zadie Inez Reynolds	<i>Waterville</i>	R. F. D. 40
Zella Amanda Reynolds	<i>Waterville</i>	R. F. D. 40
Lucile Rice	<i>Waterville</i>	R. F. D. 37
Dorothy Isabel Roberts	<i>Caribou</i>	21 Morrill Ave.
Ruby Margaret Robinson	<i>Mount Vernon</i>	F. H.
Jennie Odelle Sanborn	<i>South Berwick</i>	F. H.
Violet Madeline Shaw	<i>Caribou</i>	F. H.
Winifred Cornelia Shaw	<i>Clinton</i>	F. H.
Alberta Philbrick Shepherd	<i>Corinna</i>	M. L. H.
Isabel Evelyn Snodgrass	<i>Berlin, N. H.</i>	F. H.
Laura Maude Spalding	<i>Lowell, Mass.</i>	D. H.
Marion Isabel Starbird	<i>Oxford</i>	F. H.
Kathryne Mary Sturtevant	<i>North Yarmouth</i>	F. H.
Lyda Larrimore Turner	<i>Waterville</i>	20 Center St.
Leila Margaret Washburn	<i>Taunton, Mass.</i>	F. H.

Hazel Lucile Whitney	<i>Houlton</i>	F. H.
Margaret Wilkins	<i>Houlton</i>	F. H.
Pauline Windsberg	<i>New Bedford, Mass.</i>	Greylock St.
Isabelle Hervey Wing	<i>New Bedford, Mass.</i>	M. L. H.

SOPHOMORE CLASS

Miriam Bradbury Adams	<i>Bath</i>	D. H.
Anna Bailey Anderson	<i>Dover</i>	F. H.
Helen Louise Baldwin	<i>Derby</i>	F. H.
Alice Virginia Barbour	<i>Portland</i>	F. H.
Helene Blackwell	<i>Brunswick</i>	F. H.
Beatrice Evelyn Bowler	<i>Palermo</i>	13 Pleasant Pl.
Hilda Drake Bradbury	<i>Van Buren</i>	F. H.
Marion Campbell	<i>Cherryfield</i>	F. H.
Mildred Cook	<i>Waterville</i>	48 High St.
Nellie Christine Davis	<i>Westbrook</i>	M. L. H.
Lura Emma Dean	<i>New London, N. H.</i>	D. H.
Mira Louise Dolley	<i>Raymond</i>	F. H.
Elizabeth Robinson Eames	<i>Waterville</i>	R. F. D. 40
Harriet Eaton	<i>Waterville</i>	55 Silver St.
Mary Ann Foss	<i>Bingham</i>	D. H.
Alberta Lurana Getchell	<i>Foxcroft</i>	F. H.
Marion Cummings Griffin	<i>South Portland</i>	62 Temple St.
Clara Mae Harvey	<i>Dover</i>	F. H.
Katharine Gordon Hatch	<i>Fairfield</i>	Fairfield
Elizabeth Hoffman	<i>Richmond Hill, N. Y.</i>	F. H.
Margaret Hoffman	<i>Richmond Hill, N. Y.</i>	F. H.
Ruth Carolyn Holbrook	<i>Vanceboro</i>	F. H.
Mildred Allen Jordan	<i>Bar Harbor</i>	F. H.
Emily Kelley	<i>Brewster, N. Y.</i>	F. H.
Josephine Barton Ketchum	<i>Houlton</i>	D. H.
Grace Austin Lermond	<i>Thomaston</i>	M. L. H.
Belle Nettie Longley	<i>China</i>	D. H.
Vera Levaughlyn Moore	<i>Jackman</i>	18 Dalton St.
Ernestine Claudia Peabody	<i>Gorham, N. H.</i>	7 Morrill Ave.
Bertha Hortense Peasley	<i>Jonesport</i>	M. L. H.
Lillian Armine Pike	<i>Cornish</i>	F. H.
Phillis Gertrude Prescott	<i>Bangor</i>	F. H.
Margaret Louise Putnam	<i>Houlton</i>	F. H.
Josephine Rice	<i>Milton, Mass.</i>	D. H.
Phyllis Ruth Sturdivant	<i>Cumberland Center</i>	F. H.

Mary Anne Titcomb	<i>Walnut Hill</i>	F. H.
Matilda Evelyn Titcomb	<i>Walnut Hill</i>	F. H.
Marion Steward Tobey	<i>Waterville</i>	9 Prospect St.
Madge Colby Tooker	<i>Cherryfield</i>	M. L. H.
Mary Elizabeth Tourtillotte	<i>Bath</i>	F. H.

FRESHMAN CLASS

Mildred Evelyn Barrows	<i>Pine Point</i>	D. H.
Alice Kathryn Bishop	<i>Eastport</i>	M. L. H.
Alfreda King Bowie	<i>Portland</i>	F. H.
Nettie Opal Briggs	<i>Monticello</i>	D. H.
Eleanor Larrissa Burdick	<i>Monson</i>	M. L. H.
Retta Ellen Sadie Carter	<i>Portland</i>	F. H.
Gladys Mona Chase	<i>Skowhegan</i>	F. H.
Adrienne Martha Clair	<i>Waterville</i>	60 Burleigh St.
Alice Helen Clark	<i>Caratunk</i>	D. H.
Marion Louise Conant	<i>Fort Fairfield</i>	F. H.
Dorothy May Crawford	<i>Pittsfield</i>	D. H.
Gladys Luella Emerson	<i>Tilton, N. H.</i>	M. L. H.
Doris Beryl Fernald	<i>East Boothbay</i>	F. H.
Leta Gaynell Fleming	<i>Island Falls</i>	219 Main St.
Clara Ida Gamage	<i>South Bristol</i>	F. H.
Stella Louise Greenlaw	<i>Calais</i>	F. H.
Eliza Hill Gurganus	<i>Kingston, Mass.</i>	D. H.
Alice Adele Hanson	<i>Portland</i>	10 Center St.
Althea Minona Harvey	<i>Hallowell</i>	F. H.
Dorothy Elsie Harvey	<i>Hallowell</i>	F. H.
Roberta Victoria Havey	<i>Hallowell</i>	F. H.
Pauline Higginbotham	<i>Dorchester, Mass.</i>	M. L. H.
Mattie Lucile Kidder	<i>Waterville</i>	35 Boutelle Ave.
Alice Lillian Mathews	<i>Portland</i>	F. H.
Elsie Lunette McCausland	<i>Woodfords</i>	F. H.
Anna Frances McLaughlin	<i>Hallowell</i>	F. H.
Bertha Edith Norton	<i>Anson</i>	F. H.
Ula Annie Orr	<i>Vershire, Vt.</i>	D. H.
Esther Melvina Power	<i>Peabody, Mass.</i>	M. L. H.
Florence Mae Preble	<i>Waterville</i>	221 College Ave.
Irene May Robinson	<i>Hallowell</i>	F. H.
Ruth Orr Ross	<i>South Berwick</i>	F. H.
Eleanor Seymour	<i>Glen Ridge, N. Y.</i>	F. H.
Marjorie Eda Smith	<i>Fairfield</i>	Fairfield

Harriet Lawrence Sweetser	<i>Yarmouth</i>	M. L. H.
Lucy Oakes Teague	<i>Warren</i>	M. L. H.
Gladys Pearl Twitchell	<i>Augusta</i>	F. H.
Marion Roberta Waterman	<i>Belfast</i>	M. L. H.
Gertrude Glyndon Willey	<i>Cherryfield</i>	F. H.
Ruth Ella Wills	<i>Monson, Mass.</i>	M. L. H.

SPECIAL AND UNCLASSIFIED

Helen Mudgett Getchell	<i>Limestone</i>	F. H.
Helen Mae Kimball	<i>Lawrence, Mass.</i>	F. H.
Mabel Charity McCausland	<i>Woodfords</i>	F. H.
Annie Florence Murray	<i>Waterville</i>	9 Ticonic St.

Summary

OFFICERS

Faculty	30
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STUDENTS

	Men	Women	Total by Classes
Seniors	47	35	82
Juniors	50	44	94
Sophomores	72	40	112
Freshmen	76	40	116
Special and Unclassified.....	14	4	18
	<hr/>	<hr/>	<hr/>
	259	163	422

Honors and Prizes

THE MEN'S DIVISION

Class of 1916

COMMENCEMENT. Prize for excellence in English Composition, Ervin Moore Miller.

MEMBERS OF THE PHI BETA KAPPA: Scott Dana Staples, Robert Clyde Joudry.

Class of 1917

JUNIOR EXHIBITION. First Prize, Fred Albert Pottle; Second Prize, Carroll Benjamin Flanders.

Class of 1918

SOPHOMORE DECLAMATION. First Prize, Norman Dunham Lattin; Second Prize, Herbert Lee Newman.

Class of 1919

FRESHMAN READING. Hamlin Prizes. First Prize, Isaac Dewey Love; Second Prize, Robert Tyrell Carey.

FRESHMAN SCHOLARSHIP PRIZES. First Prize, Sydney Preble Wyman; Second Prize, divided between Frederick Davis Blanchard and Ralph Hudson Drew.

German Prizes

Prizes for Excellence in German: First, Hugh Laughlin Robinson; Second, Ray Wellington Smith.

Greek Prizes

FOSTER MEMORIAL PRIZE. For excellence in the interpreting of Greek Authors: Robert Clyde Joudry.

Lyford Prizes for 1915-1916

First Prize, George Lawrence Evans, of Hebron Academy; Second Prize, Louis Burton Dennett, of Bangor High School; Third and Fourth Prizes, Edward Clement, of Good Will High School, and Michael Joseph Ryan, of Bangor High School, tied.

Hallowell Prizes 1915-1916

First Prize, William Benyon West, '17; Second Prize, Fred Albert Pottle, '16; Third Prize, Herbert Lee Newman, '17; Fourth Prize, Norman Dunham Lattin, '17.

Murray Debating Prizes

First Prizes, Lester Edward Young, '16, Raymond Henry Parker, '17, and Norman Dunham Lattin, '17, representing the negative; Second Prizes, Fred Albert Pottle, '16, Jonas Gleason Perry, '17, Herbert Lee Newman, '17, representing the affirmative.

Goodwin Interscholastic Debating Prizes

First Prizes, Donald H. Curtis, Moses B. Pike, and Joseph V. Tracy, representing Hebron Academy; Second Prizes, Richard K. McWilliams, Harry Helson, and Louis Burton Dennett, representing Bangor High School.

THE WOMEN'S DIVISION**Class of 1916**

COMMENCEMENT. Prize for excellence in English Composition, Annie Louise McCurdy.

MEMBERS OF THE PHI BETA KAPPA: Elizabeth Mary Hodgkins, Katharine Hallowell Singer, Hazel Nina Lane, Annie Louise McCurdy, Alice Cornell Mather, Vivian Luette Skinner, Marjorie Louise Barker, Ernestine Harriet Porter, Ella Russell Robinson.

Class of 1917

JUNIOR EXHIBITION. First Prize, Flora Amanda Norton; Second Prize, Helen Dorothy Cole.

Class of 1918

SOPHOMORE DECLAMATION. First Prize, Jennie Odelle Sanborn; Second Prize, Helene Bradbury Buker.

Class of 1919

FRESHMAN READING. First Prize, Alice Virginia Barbour; Second Prize, divided between Mira Louise Dolley and Mary Anne Titcomb.

German Prizes

Prizes for Excellence in German: First, Albert Lurana Getchell; Second, Elizabeth Robinson Eames.

Greek Prizes

FOSTER MEMORIAL PRIZE. For excellence in the interpreting of Greek Authors. Not awarded in 1916.

Ninety-fifth Commencement

Wednesday, June 28, 1916

APPOINTMENTS

Annie Louise McCurdy.....Canadian Women in the War
Donald Egbert Putnam.....Entangling Alliances
Hazel Nina Lane.....Her Majesty, the Queen
Ervin Moore Miller.....Education: Minus and Plus
Marjorie Louise Barker.....The Amalgamation of Our People
Robert Clyde Joudry.....Solitude and the Man

HONORS IN GENERAL SCHOLARSHIP

Summa Cum Laude

Scott Dana Staples

Magna Cum Laude

Elizabeth Mary Hodgkins Alice Cornell Mather
Katharine Hallowell Singer

Cum Laude

Robert Clyde Joudry Fred Charles English
Vivian Luette Skinner Ernestine Harriet Porter
Hazel Nina Lane Ella Russell Robinson
Marjorie Louise Barker Fossie Evelyn Seekins
Annie Louise McCurdy Vesta Lora McCurda
Berle Cram

Degrees Conferred in 1916

BACHELOR OF ARTS

The Men's Division

Arthur Fillmore Bickford.....	Dorchester, Mass.
Carroll Edward Dobbin.....	West Jonesport
Harvey Doane Eaton, Jr.....	Waterville
Fred Charles English.....	Robinson
Theodore Fieldbrave.....	Allahabad, India
Arthur Emerson Gregory.....	Thomaston
John Norris Harriman.....	Bristol, N. H.
Robert Augustine Hussey.....	North Berwick
Cyril Matthew Joly.....	Waterville
Robert Clyde Joudry.....	Somerville, Mass.
Norman William Lindsay.....	Brockton, Mass.
Peter Joseph Mayers, Jr.....	New Rochelle, N. Y.
Ervin Moore Miller	Wellington
Irving Perry.....	Brookline, Mass.
Donald Egbert Putnam.....	Houlton
Woodford Merchant Rand.....	Presque Isle
Arthur Benjamin Riley.....	Bridgton
Herbert Muir Rockwell.....	Dorchester, Mass.
Verne Henry Sanderson.....	Windsor, Vt.
Henry Gabriel Shohet.....	Portland
Byron Harrington Smith.....	Washburn
Norman Luther Stevens.....	Cherryfield
Harold Burton Taft.....	Uxbridge, Mass.

The Women's Division

Marjorie Louise Barker.....	Norway
Alice Coburn Boynton.....	Damariscotta Mills
Yvette Gabrielle Clair.....	Waterville
Alice A. Clarkin.....	Waterville
Berle Cram	Solon
Iris Carle Crosby.....	Bangor
Lucile Foster	Waterville
Esther Dora French.....	Solon
Effie May Hannan.....	Houlton
Marion Harmon.....	West Falmouth

Clara Louise Hinckley.....	Millbridge
Elizabeth Mary Hodgkins.....	Lewiston
Alice Almira Hunton.....	Oakland
Hazel Nina Lane.....	Rockport
Alice Cornell Mather.....	Essex, Conn.
Vesta Lora McCurda.....	North Whitefield
Annie Louise McCurdy.....	Calais
Marion Josephine Miller.....	South Portland
Hazel Alice Moore.....	Fairfield
Laura Katharine Moses.....	North Gorham
Lois Marjorie Osgood.....	Medford, Mass.
Ernestine Harriet Porter.....	New Sharon
Edith Adella Pratt.....	Clinton
Edith Caroline Robinson.....	Waterville
Ella Russell Robinson.....	North Anson
Fossie Evelyn Seekins.....	Stonington
Katharine Hallowell Singer.....	Damariscotta
Vivian Lurette Skinner.....	Houlton
Carolyn Isabel Stevens.....	Five Islands
Mina Mae Titus.....	Madison
Frances Esther Trefethen.....	Waterville
B. Antoinette Ware.....	Waterville
Vivienne Augusta Wright.....	Wiscasset

BACHELOR OF SCIENCE

The Men's Division

Alden Watts Allen.....	Camden
Hubert Hazen Barker.....	Norway
Shirley Goss Blackinton.....	Attleboro, Mass.
William Errold Burton.....	Pittsfield
John Adams Campbell.....	Cherryfield
Arthur Dugdale Craig.....	Attleboro, Mass.
John Hugh Crawford.....	Millinocket
Franklin Mayo Dyer.....	Augusta
Henry A. Eaton.....	Whitefield, N. H.
Frank Clifton Foster.....	Burton, Wash.
Benjamin Fuller Greer, Jr.....	Grasmere, N. H.
Leon Drummond Herring.....	Waterville
Edmund James Higgins.....	Dexter
Francis Leo Irvin.....	Dorchester, Mass.
Richard Judson Kimball, Jr.....	Bridgewater

Ralph Winslow King.....	Newton Center, Mass.
Ralph Kolseth.....	Dorchester, Mass.
Lewis Lester Levine.....	Waterville
Waldo Chester Lincoln.....	Wayne
Warren Burleigh Marston.....	Augusta
Irving Woodbury Merrill.....	Somerville, Mass.
Walter Francis O'Brien.....	Lawrence, Mass.
Albert James O'Neill.....	Nashua, N. H.
James Hugh Prince.....	South Poland
John Mitchell Richardson.....	Rockland
Wilhelm Karl Schuster.....	Clinton, Mass.
Ernest Cleveland Simpson.....	Waterville
Everett Phoenix Smith.....	Waterboro
Irving Ross Stanwood.....	Needham Heights, Mass.
Scott Dana Staples.....	North Haven
Lyman Irving Thayer.....	Ballston Spa, N. Y.
Crawford Alvah Treat.....	Stockton Springs

The Women's Division

Ida Blanche Browne.....	North Haven
Lucy Savory Montgomery.....	Manchester, N. H.

MASTER OF ARTS

Byron Austin Ladd, of the Class of 1915.....	Waterville
<i>Thesis: A Chemical Investigation of the Milk Supply of Waterville</i>	

Honorary Degrees

Doctor of Laws

Ernest Martin Hopkins.....	Hanover, N. H.
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Doctor of Divinity

William Bodle Tuthill.....	Portland
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Doctor of Letters

Mary Low Carver.....	Cambridge, Mass.
Arthur Kenyon Rogers.....	New Haven, Conn.

Doctor of the More Humane Letters

Franklin Winslow Johnson.....Chicago, Ill.

Doctor of Science

George Freeman Parmenter.....Waterville

Master of Arts

Minerva Eliza Leland.....Newton, Mass.

Frank Desper Mitchell.....Chicago, Ill.

James Frederick Hill.....Waterville

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.

ENGLISH

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

ENGLISH GRAMMAR AND COMPOSITION

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

LITERATURE

The second object is sought by means of two lists of books, headed respectively *reading* and *study*, from which may be framed a progressive course in literature covering four years.

In connection with both lists, the student should be trained in reading aloud and encouraged to commit to memory some of the more notable passages both in verse and in prose. As an aid to literary appreciation, he is further advised to acquaint himself with the most important facts in the lives of the authors whose works he reads and with their place 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 1917, 1918 AND 1919, the books provided for Reading and Practice are arranged in the following groups, from each of which at least two selections are to be made, except as otherwise provided under Group 1:—

The English entrance requirements for students entering college in 1920, 1921 and 1922 as recommended by the National Conference on Uniform Entrance Requirements in English are not substantially different from those outlined here. The report of the Conference comes only as this catalogue is going to press, and must be discussed and passed upon by our Department of English before adoption. Students entering college in 1920 will be able to meet the Colby entrance requirements in English by following the course of study prescribed for those entering in 1917, 1918 and 1919.

GROUP 1. CLASSICS IN TRANSLATION.—The Old Testament, comprising 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, II, III, IV, V, XV, XVI, XVII; the Iliad, with the omission, if desired, of Books XI, XIII, XIV, XV, XVII, XXI; the Æneid. The Odyssey, Iliad, and Æneid should be read in English translations of recognized literary excellence.

For any selection from this group a selection from any other group may be substituted.

GROUP 2. SHAKESPEARE.—Midsummer Night's Dream; Merchant of Venice; As You Like It; Twelfth Night; The Tempest; Romeo and Juliet; King John; Richard II; Richard III; Henry V; Coriolanus; Julius Cæsar*; Macbeth*; Hamlet*.

*If not chosen under Study and Practice.

GROUP 3. PROSE FICTION.—Malory's *Morte d'Arthur* (about 100 pages); Bunyan's *Pilgrim's Progress*, Part I; Swift's *Gulliver's Travels* (voyages to Lilliput and to Brobdingnag); Defoe's *Robinson Crusoe*, Part I; Goldsmith's *Vicar of Wakefield*; Frances Burney's *Evelina*; Scott's Novels (any one); Jane Austen's Novels (any one); Maria Edgeworth's *Castle Rackrent*, or *The Absentee*; Dickens's Novels (any one); Thackeray's Novels (any one); George Eliot's Novels (any one); Mrs. Gaskell's *Cranford*; Kingsley's *Westward Ho!* or *Hereward, the Wake*; Reade's *The Cloister and the Hearth*; Blackmore's *Lorna Doone*; Hughes's *Tom Brown's School-days*; Stevenson's *Treasure Island*, or *Kidnapped*, or *Master of Ballantrae*; Cooper's Novels (any one); Poe's *Selected Tales*; Hawthorne's *The House of the Seven Gables*, or *Twice-Told Tales*, or *Mosses from an Old Manse*; a collection of *Short Stories* by various standard writers.

GROUP 4. ESSAYS, BIOGRAPHY, ETC.—Addison and Steele's *The Sir Roger de Coverley Papers*, or *Selections from the Tatler and Spectator* (about 200 pages); Boswell's *Selections from the Life of Johnson* (about 200 pages); Franklin's *Autobiography*; Irving's *Sketch Book* (about 200 pages), or *Life of Goldsmith*; Southey's *Life of Nelson*; Lamb's *Essays of Elia* (about 100 pages); Lockhart's *Life of Scott* (about 200 pages); Thackeray's *Lectures on Swift, Addison, and Steele in the English Humorists*; Macaulay's *Lord Clive, Warren Hastings, Milton, Addison, Goldsmith, Frederic the Great, Madame d'Arblay* (any one); Trevelyan's *Life of Macaulay* (about 200 pages); Ruskin's *Sesame and Lilies*, or *Selections* (about 150 pages); Dana's *Two Years Before the Mast*; *Selections from Lincoln*, including at least the two Inaugurals, the *Speeches in Independence Hall and at Gettysburg*, the *Last Public Address*, and the *Letter to Horace Greeley*, together with a brief memoir or estimate; Parkman's *The Oregon Trail*; Thoreau's *Walden*; Lowell's *Selected Essays* (about 150 pages); Holmes's *The Autocrat of the Breakfast Table*; Stevenson's *An Inland Voyage*, and *Travels with a Donkey*; Huxley's *Autobiography*, and selections from *Lay Sermons*, including the addresses on *Improving Natural Knowledge*, *A Liberal Education*, and *A Piece of Chalk*; a collection of *Essays* by Bacon, Lamb, DeQuincey, Hazlitt, Emerson, and later writers; a collection of *Letters* by various standard writers.

GROUP 5. POETRY.—Palgrave's Golden Treasury (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper, and Burns; Palgrave's Golden Treasury (First Series), Book IV, with especial attention to Wordsworth, Keats, and Shelley (if not chosen under Study and Practice); Goldsmith's *The Traveller*, and *The Deserted Village*; Pope's *The Rape of the Lock*; a collection of English and Scottish Ballads, as, for example, some Robin Hood ballads, *The Battle of Otterburn*, *King Estmere*, *Young Beichan*, *Bewick and Graham*, *Sir Patrick Spens*, and a selection from later ballads; Coleridge's *The Ancient Mariner*, *Christabel*, and *Kubla Khan*; Byron's *Childe Harold*, Canto III or IV, and *The Prisoner of Chillon*; Scott's *The Lady of the Lake*, or *Marmion*; Macaulay's *The Lays of Ancient Rome*, *The Battle of Naseby*, *The Armada*, *Ivry*; Tennyson's *The Princess*, or *Gareth and Lynette*, *Lancelot and Elaine*, and *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*; Arnold's *Sohrab and Rostum*, and *The Forsaken Merman*; Selections from American Poetry, with especial attention to Poe, Lowell, Longfellow, and Whittier.

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.

*FOR STUDENTS ENTERING IN 1917, 1918, and 1919, the books provided for Study and Practice are arranged in four groups, from each of which one selection is to be made.

GROUP 1. DRAMA.—Shakespeare's *Julius Cæsar*, *Macbeth*, *Hamlet*.

GROUP 2. POETRY.—Milton's *L'Allegro*, *Il Penseroso*, and either *Comus* or *Lycidas*; Tennyson's *The Coming of Arthur*, *The Holy Grail*, and *The Passing of Arthur*; the selections from Wordsworth, Keats, and Shelley in Book IV of Palgrave's *Golden Treasury* (First Series).

*See note page 33.

GROUP 3. ORATORY.—Burke's Speech on Conciliation with America; Macaulay's Two Speeches on Copyright, and Lincoln's Speech at Cooper Union; Washington's Farewell Address, and Webster's First Bunker Hill Oration.

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

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.

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.

GREEK

READING. Xenophon's *Anabasis*, Books I-IV. Homer's *Illiad* 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.

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, LaBédollière's "La Mère Michel et son chat", Erckmann-Chatrion'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", Mérimée's "Colomba", extracts from Michelet, and Verne's stories.

ADVANCED FRENCH.

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

Suitable texts are: About's stories, Augier and Sandeau's "Le Gendre de M. Poirier", Béranger's poems, Daudet's "La belle Nivernaise", Coppée's poems, La Brète's "Mon oncle et mon curé", Halévy's "L'abbé Constantin", Labiche's plays, Loti's "Pêcheur d'Islande", Mignet's historical writings, Molière's "L'Avare", and "Le bourgeois gentilhomme", George Sand's stories, Sandeau's "Mademoiselle de la Seiglière", Scribe's plays, Vigny's "La canne de jonc."

GERMAN

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

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

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

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

The following texts are recommended: (1) One of Riehl's Novellettes; (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.

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 or 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 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 Myers' or Morey's History of Rome, 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 Larned's or Coman and Kendall's History of England, or Montgomery's English History, or Walker's Essentials in English History; with additional reading 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.

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, Gage's Elements of Physics, or some equivalent text-book. A notebook 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 notebook should be vouched for in writing by the instructor, and should be presented at the time of entrance.

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.

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. An herbarium will not be accepted in lieu of a notebook.

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.

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 notebook showing an intelligent record of observational study, certified to in writing by the instructor, must be presented on entrance.

Terms of Admission

SUMMARY

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 year's 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**REQUIRED**

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

OPTIONAL

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

B. S. COURSE**REQUIRED**

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

OPTIONAL

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
¶Physiography½ 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.

ENTRANCE EXAMINATIONS

Candidates for admission will be received on passing preliminary and final examinations in the required and optional subjects prescribed for entrance (p. 44). 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.

Examinations at the College

Examinations for admission are held on the Thursday and Friday preceding Commencement. Candidates will assemble at 8 A. M., Thursday, June 14, 1917, at Chemical Hall. Examinations for admission are also held at the opening of the first semester, beginning Tuesday, September 18, 1917, at 9 A. M., in Chemical Hall.

Examinations at Preparatory Schools

Examination papers in all the required and optional subjects for admission to Colby (p. 44) 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 1917 on May 31, and June 1 and 2. Applications for papers should be made to the Registrar and must be received not later than May 28. With the papers will be sent directions about the manner of conducting the examinations.

Examinations in admission subjects may be taken by candi-

dates 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.

Examination 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.

ADMISSION 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.

DEPARTMENTS

Courses of Instruction

GREEK

PROFESSOR WHITE

1. The elements of Greek. First Semester, three hours.
2. The elements of Greek continued, with reading of simple prose. Second Semester, three hours.
3. Elementary Greek; reading of simple prose continued. Elective for those who have completed courses 1 and 2. First Semester, three hours.
4. Elementary Greek; readings from Homer. Elective for those who have completed Course 3. Second Semester, three hours.

These courses are for those who have not studied Greek in preparation for college but who 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, 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. First Semester, three hours.
6. Selections from the Greek Historians, with collateral reading. Elective for those who have completed course 5. Second Semester, three hours.
7. Selected speeches of Lysias, with collateral reading upon Athenian life, public and private. Elective for those who have completed courses 1-4 or their equivalent. First Semester, three hours.
8. Plato's Apology and Crito, with collateral reading from

Xenophon's *Memorabilia* of Socrates. Elective for those who have completed Course 7. Second Semester, three hours.

Courses 5 and 6 are given in 1917-1918 and alternate years; Courses 7 and 8 in 1916-1917 and alternate years.

N. B. 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: 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. First Semester, three hours.

10. Dramatic Poetry continued: 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. Second Semester, three hours.

11. Plato, one of the philosophic dialogues, with collateral study of the development of Greek philosophic thought; or, Selections from the Septuagint, with collateral study of Greek life and letters in the Alexandrian period. Elective for those who have completed Courses 5-8. First Semester, three hours.

12. Lucian, selected writings, with collateral study of Greek life and letters in Græco-Roman times; or, The Gospel according to Mark, with collateral study regarding the sources, and the writing of essays. Elective for those who have completed Course 11. Second Semester, three hours.

Courses 9 and 10 are given in 1917-1918 and alternate years; Courses 11 and 12 in 1916-1917 and alternate years.

LATIN

PROFESSOR TAYLOR

1. Livy XXI, XXII. Required of men of the Freshman class, B.A. Course. First Semester, four hours.

2. Livy I: Agricola of Tacitus. Required of women of the Freshman class, B.A. Course. First Semester, four hours.

3. Odes of Horace. Required of men of the Freshman class, B. A. Course. Second Semester, four hours.

4. Odes of Horace. Required of women of the Freshman class, B.A. Course. Second Semester, four hours.

5. Pliny's Letters: Satires of Horace. Elective for Sophomores of both divisions. First Semester, three hours.
6. Quintilian X, XII: Tacitus, Dialogus de Oratoribus. Elective for Sophomores of both divisions. Second Semester, three hours.
7. Catullus: Lucretius: Tibullus: Propertius: Lucan. Elective for Juniors and Seniors of both divisions. First Semester, three hours. Given in 1917-1918 and alternate years.
8. Histories of Tacitus: Satires of Juvenal. Elective for Juniors and Seniors of both divisions. First Semester, three hours. Given in 1916-1917 and alternate years.
9. (a) Epistles of Horace. Elective for Juniors and Seniors of both divisions. Second Semester, three hours.
(b) Cicero's Orations: Vergil's Æneid. A practical course for prospective teachers. Open to Juniors and Seniors of both divisions. Second Semester, three hours.

GERMAN

PROFESSOR MARQUARDT AND ASSISTANT PROFESSOR CROWELL

The chief object of the required 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 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 ad-

vanced 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. 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 men of the Freshman class who do not offer German for admission. Required of all men of the Sophomore class who have not taken German in the Freshman year, nor offered German for entrance. First Semester, three hours.

PROF. MARQUARDT AND ASST. PROF. CROWELL.

2. Same as Course 1. Elective for women of the Freshman class who do not offer German for admission. Required of all women of the Sophomore class who have not taken German in the Freshman year, nor offered German for entrance. First Semester, three hours.

PROF. MARQUARDT AND ASST. PROF. CROWELL.

3. Grammar, Bacon continued; special attention paid to strong verbs and the elementary parts of German syntax. Memorizing of poetry. Translation of Storm's *Immensee*. Elective for men of the Freshman class who do not offer German for admission. Required of all men of the Sophomore class who have not taken German in the Freshman year, nor offered German for entrance. Second Semester, three hours.

PROF. MARQUARDT AND ASST. PROF. CROWELL.

4. Same as Course 3. Elective for women of the Freshman class who do not offer German for admission. Required of all women of the Sophomore class who have not taken German in the Freshman year, nor offered German for entrance. Second Semester, three hours.

PROF. MARQUARDT AND ASST. PROF. CROWELL.

5. Grammar reviewed. Constant practice in conversation according to Bernhardt's *Im Zwielficht*. 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. First Semester, three hours.

PROF. MARQUARDT AND ASST. PROF. CROWELL.

6. Translation and conversation, according to Bernhardt's *Im Zwielight*, continued. Memorizing of poetry. Blochmann's *Scientific German*. Elective for Freshmen, Sophomores, and Juniors who have taken Course 5. Second Semester, three hours.

PROF. MARQUARDT AND ASST. PROF. CROWELL.

7. Advanced Scientific German. 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) Kauffmann, *Allgemeine und physikalische Chemie*. Elective for students who have completed Courses 5 and 6. First Semester, three hours.

PROFESSOR MARQUARDT.

8. Chiefly literary work, based on Keller's *Bilder aus der Deutschen Literatur*, dictation, composition and conversation. Allen's "German Life." *Lectures on German Literature*. Elective for students who have completed Course 7. Second Semester, three hours.

PROFESSOR MARQUARDT.

9. Lessing, and Schiller. 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. First Semester, three hours.

ASSISTANT PROFESSOR CROWELL.

10. Goethe. Specimens of Goethe's poetry and prose. Lectures and reports. Prose composition. Elective for all students who have completed Courses 5 and 6. Second Semester, three hours.

ASSISTANT PROFESSOR CROWELL.

11. Grammar. Prose Composition by v. Jagemann, with syntax by the same author. Fulda's *Der Talisman*. German conversation. Elective for all students who have taken Courses 5 and 6. First Semester, three hours.

PROFESSOR MARQUARDT.

12. Goethe's *Faust*, I. Teil. Prose Composition by v. Jagemann. Original themes and dictation. Conversation. Elective for all students who have taken Course 11. Second Semester, three hours.

PROFESSOR MARQUARDT.

ROMANCE LANGUAGES

French

ASSOCIATE PROFESSOR HARRY AND MR. BRICKLEY

1. Elements of French grammar with abundant oral and written exercises. Careful drill in pronunciation. Translation of easy prose. Required of all Freshmen in Group 1, and elective for all others who do not offer French for admission. Required of all Sophomores who have not taken French in the Freshman year, nor offered French for admission. First Semester, three hours. MR. BRICKLEY.

2. Grammar, with oral and written exercises, continued. The irregular verbs completed. Translation of easy texts such as Talbot's *Le Français et Sa Patrie*, Labiche et Martin's *Le Voyage de Monsieur Perrichon*, and others. Dictation and conversation based upon the text read. Required of all Freshmen in Group 1, and elective for all others who do not offer French for admission. Required of all Sophomores who have not taken French in the Freshman year, nor offered French for admission. Second Semester, three hours. MR. BRICKLEY.

3. Intermediate French. Grammar completed. François' prose composition. Conversation based upon some collection of French anecdotes. Dictation. The following texts are read: George Sand, *La Mare au Diable*; Daudet and Maupassant, *Contes*; Coppée, *On Rend l'Argent*; Augier, *Le Gendre de M. Poirier*; Halévy, *L'Abbé Constantin*. Elective for Freshmen, Sophomores and Juniors who have completed Course 2, or who have offered two units for admission. First Semester, three hours. MR. BRICKLEY.

4. Continuation of Course 3. Second Semester, three hours. MR. BRICKLEY.

5. 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. First Semester, three hours. MR. BRICKLEY.

6. Same as Course 5. Elective for women of the Freshman

class who offer three units of 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. First Semester, three hours. DR. HARRY.

7. Continuation of Course 5. Elective for men of all classes who have completed Course 5. Second Semester, three hours. MR. BRICKLEY.

8. Continuation of Course 6. Elective for women of all classes, who have completed Course 6. Second Semester, three hours. DR. HARRY.

9. Commercial French. The vocabulary of the commercial world is emphasized. Commercial correspondence. Elective for Juniors and Seniors who have completed Courses 5 and 7, or their equivalent. First Semester, three hours. MR. BRICKLEY.

10. Continuation of Course 9. Second Semester, three hours. MR. BRICKLEY.

11. The Classical Drama. 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. First Semester, three hours. DR. HARRY.

12. History of the French Literature of the Eighteenth century. A study is made of Voltaire, Le Sage, Beaumarchais, Marivaux and Rousseau. Collateral reading and reports. Short lectures in French. Elective for Sophomores, Juniors and Seniors, who have completed Course 11. Second Semester, three hours. DR. HARRY.

13. Nineteenth Century Novel. Representative works of the following authors are read: Chateaubriand, Victor Hugo, Balzac, Flaubert, Daudet, Zola. Collateral reading and reports. Dictation and lectures in French. Pellissier's *Le Mouvement littéraire au dix-neuvième Siècle* is used as a reference book. Elective for students who have completed Courses 11 and 12. First Semester, three hours. MR. BRICKLEY.

14. Nineteenth Century Drama. 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. Second Semester, three hours.

MR. BRICKLEY.

15. An intensive study of the French language. The study of French phonetics. Prose composition. This course is designed for students who desire more training in writing and speaking French. It is especially important for those who are preparing themselves to teach French. Allen's French Life is used as a basis for conversation. Prerequisite: Courses 11 and 12. First Semester, three hours.

DR. HARRY.

16. A study of the French drama of today. Lectures, reports and discussions in French. Prerequisite: Courses 11 and 12. Second Semester, three hours.

DR. HARRY.

Spanish

1. Elements of 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: Bransby's Spanish Reader; Selga, La Mariposa Blanca. Elective for all students who have completed the required work in French and German. First Semester, three hours.

DR. HARRY AND MR. BRICKLEY.

2. Grammar continued. Crawford's Spanish Prose Composition. Translation of modern prose. Galdos, Doña Perfecta; Tamayo, Lo Positivo; Giese's Spanish Anecdotes. Second Semester, three hours.

DR. HARRY AND MR. BRICKLEY.

3. Intermediate Spanish. Translation of selected texts, such as Valera, Pepita Jiménez; Galdos, Electra; Alarcón, El Sombrero de Tres Picos. Composition and conversation. First Semester, three hours.

DR. HARRY.

4. Spanish Classics. Cervantes (Selections from Don Quijote); Lope de Vega, and Calderón; Fitz-Maurice Kelly, History of Spanish Literature. Second Semester, three hours.

DR. HARRY.

Italian

1. Elementary grammar, easy composition, reading, and conversation. De Amicis, Cuore, and other selections will be read in the class. Elective for all students who have completed the required work in French and German. First Semester, three hours.

DR. HARRY.

2. Selected readings from modern authors. A brief survey of Italian literature. Conversation based on the Metodo-Berlitz. Second Semester, three hours. DR. HARRY.

RHETORIC

ASSISTANT PROFESSOR FRANKLIN, PROFESSOR LIBBY, MR. BROWN,
AND MR. ELLIS

1. English Composition. The work of this course consists of daily short themes or exercises, occasional long themes, recitation, discussions, lectures, and assigned readings of modern literature, especially as found in the best current magazines. The work of this course is basic; its purpose is to teach the student the correct and effective use of his language and to prepare him for the course in advanced rhetoric and literature. Emphasis is placed upon the mechanics of writing; upon the fundamental principles of grammar; upon clear and logical thinking; upon the methods of exposition, description, and argumentation; upon unity, coherence, and force as applied to sentences, paragraphs, and whole compositions. Required of men of the Freshman class. First Semester, three hours.

2. English Composition. In all essentials identical with Course 1. Required of the women of the Freshman class. First Semester, three hours.

3. A continuation of Course 1. Required of men of the Freshman class. Second Semester, three hours.

4. The same as Course 3. Required of women of the Freshman class. Second Semester, three hours.

5. Advanced Composition. Designed for students who are especially interested in composition and wish to gain facility by practice under criticism. Fortnightly long themes, weekly one-page themes, impromptu criticisms in the classroom. Lectures and class discussions. Elective for men and women who have completed Courses 3 or 4. Class limited. First Semester, three hours.

6. Continuation of Course 5. Elective for men and women who have taken Course 5. Second Semester, three hours.

7. Advanced Composition. Intended for a very limited number of students who have shown decided aptitude for composition and wish further opportunity for practice under criticism. Each student permitted to follow some definite line of work of

his choice. Elective for Juniors and Seniors only by permission of the instructor. First Semester, three hours.

8. Continuation of Course 7. Elective for men and women who have taken Course 7. Second Semester, three hours.

ENGLISH LITERATURE

PRESIDENT ROBERTS, ASSISTANT PROFESSOR FRANKLIN

1. Anglo-Saxon. Bright's Anglo-Saxon Reader and Toller's Outlines of the History of the English Language. A study of the English language and literature before the Norman Conquest. Elective for men and women of the Junior and Senior classes. First Semester, three hours. Given in 1918-1919 and alternate years.

2. Chaucer. Reading of the Prologue and several of the Tales. Study of Middle English in its relation to Anglo-Saxon and to modern English. Outline of the literary history of England from the Conquest to the Age of Elizabeth. Elective for men and women of the Junior and Senior classes who have taken Course 1. Second Semester, three hours. Given in 1918-1919 and alternate years.

3. Shakespeare and his contemporaries. Three plays of Shakespeare carefully read in class. Lectures on the origin and development of the English drama. Elective for men and women of the Junior and Senior classes. First Semester, three hours. Given in 1917-1918 and alternate years.

4. Continuation of Course 3. Three plays of Shakespeare. Assigned readings in Elizabethan dramatists. Elective for men and women of the Junior and Senior classes. Second Semester, three hours. Given in 1917-1918 and alternate years.

5. Survey Course. History and development of English Literature from the beginnings to the age of Milton. Lectures, weekly outside reading, tests, and reports. Certain works studied intensively in the classroom. Elective for men and women of the Sophomore, Junior, and Senior classes. First Semester, three hours.

6. Continuation of Course 5. Dryden to Tennyson. Elective for men and women who have completed Course 5. Second Semester, three hours.

7. Milton, Wordsworth, Tennyson, and Browning. Elective for men and women who have completed Courses 5 and 6. First Semester, three hours.

8. Continuation of Course 7, and elective for those who have completed that course. Second Semester, three hours.

9. The English Novel. The sources and development of the English novel are treated in some detail. Some previous knowledge of the work of the leading English novelists expected on the part of the student, though not required. Some reading assigned for tests or reports; other reading suggested. Elective for Juniors and Seniors who have taken Courses 5 and 6. First Semester, three hours. Given in 1918-1919 and alternate years.

10. American Literature. Discussion of the history of literature in America. Lectures, class reports and discussions. Elective for Juniors and Seniors who have taken Courses 5 and 6. Second Semester, three hours. Given in 1918-1919 and alternate years.

11. The English Essay. Class room study of representative modern essays. Occasional lectures on authors, their methods and their schools. Elective for men and women of the Junior and Senior classes who have taken English 5 and 6. First Semester, three hours. Given in 1917-1918 and alternate years.

12. Modern English Drama. Lectures on technic and on individual dramatists. Weekly outside reading. Student reports. Elective for men and women of the Junior and Senior classes who have taken English 5 and 6. Second Semester, three hours. Given in 1917-1918 and alternate years.

READING AND PUBLIC SPEAKING

PRESIDENT ROBERTS AND PROFESSOR LIBBY

1. Reading. Fulton and Trueblood's Choice Readings. Drill in articulation and pronunciation. Careful study and analysis of selections read. Memorizing of poems. Required of the men of the Freshman class. First Semester, one hour.

PRESIDENT ROBERTS.

2. Reading. Printed Lecture Notes with Exercises based upon the notes. Study of voice, posture, gesture, speaking. Required of the women of the Freshman class. First Semester, one hour.

PROFESSOR LIBBY.

3. Continuation of Course 1. Work of the semester ends with a prize declamation. Required of the men of the Freshman class. Second Semester, one hour.

PRESIDENT ROBERTS.

4. Reading. Continuation of Course 2. Study of the Men-

tal Processes in Speaking. Work of the semester ends with a public prize reading. Required of the women of the Freshman class. Second Semester, one hour. PROFESSOR LIBBY.

5. Argumentation and Debate. Elective for men who have completed Rhetoric 1 and 3. 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. First Semester, three hours.

PROFESSOR LIBBY.

6. Public Speaking. Elective for men who have completed 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 address, and a brief history of oratory. Second Semester, three hours.

PROFESSOR LIBBY.

7. Advanced Course in Public Speaking. Open to men of the Junior and Senior classes who have completed satisfactorily Courses 5 and 6. 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 much platform work. Men electing the course will be expected to give at least one public address each semester. First Semester, three hours. Given in 1916-1917 and alternate years.

PROFESSOR LIBBY.

8. Advanced Course in Public Speaking. Continuation of Course 7; elective for those who have taken that course. Second Semester, three hours. Given in 1916-1917 and alternate years.

PROFESSOR LIBBY.

JOURNALISM

MR. FASSETT

The object of the course is twofold: first, to give to students who intend to make journalism their profession such an understanding of the writing and editing of newspapers as will enable them to enter upon newspaper work with an intelligent conception of its requirements and with the benefit of a year's practice in the writing and editing of newspaper "copy"; second, to give

to other students who take the course a knowledge of the sources of news, the manner of its collection and presentation, and its relative values in order that these students may learn to read newspapers intelligently and properly to interpret what they read. The newspapers are, today, the people's chief source of information. Consequently, a correct understanding of the making of the newspaper, its purposes, the scope of its activities and its limitations, is of advantage to the reader whatever may be his occupation.

1. Study of news and news values, the sources and collection of news, structure and style in news articles, the editing of copy and the writing of headlines. Practice work consists in the writing of news articles, the reporting of speeches and addresses and in interviewing. General information concerning the printing of the newspaper, its various departments and the duties of its editors and other employees is included in the lectures given during the course. Elective for Sophomores, Juniors, and Seniors. First Semester, three hours.

2. Practice work consists in writing on these topics as well as on subjects of general news interest. There is further drill in the editing of copy and the writing of headlines. Instruction is given in proof reading. The function of the newspaper, recent developments in journalism, the upbuilding of newspaper circulation and the growth and treatment of advertising are included among the subjects discussed in the lectures given during the course. Elective for those who have completed Journalism 1. Second Semester, three hours.

PHILOSOPHY AND EDUCATION

PRESIDENT ROBERTS

1. Psychology. This course is introductory to the course in Education. Text-book, lectures, assigned readings, and essays. Elective for Juniors and Seniors. First Semester, three hours. Given in 1916-1917 and alternate years.

2. Education. History and Methods. Text-book, assigned readings, and essays. Elective for Juniors and Seniors. Second Semester, three hours. Given in 1916-1917 and alternate years.

3. History of Philosophy. Text-book, lectures, assigned readings, and essays. Elective for Juniors and Seniors. First Semester, three hours. Given in 1917-1918 and alternate years.

4. Ethics. Text-book, assigned readings, and essays. Elec-

tive for Juniors and Seniors. Second Semester, three hours. Given in 1917-1918 and alternate years.

HISTORY AND POLITICS

PROFESSOR BLACK

European History. A study of the institutions and civilizations of the western world from Constantine to modern times, with introductory lectures on the influences of the Roman, Christian, and Germanic elements upon mediæval society. The period of the Renaissance and the Reformation will be studied in detail, likewise the condition of Europe prior to the French Revolution, and the causes of the Revolution. Text-books, assigned readings, lectures, and reports by the students.

The work is given as follows:

1. European History from the Migrations of the Germans to the Renaissance. Elective for Sophomores, Juniors, and Seniors. First Semester, three hours.

2. European History since the Renaissance. Elective for Sophomores, Juniors, and Seniors, who have taken Course 1.

Courses 1 and 2 are given in two divisions (a) and (b).

American Constitutional and Political History. The course begins with a 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 economic progress of the country, and the causes and results of the Civil War. 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 1789. Elective for Juniors and Seniors. Students are expected to take History 1 and 2 as a preparation for Courses 3 and 4. First Semester, three hours.

4. History of the United States since 1789. Elective for Juniors and Seniors, who have taken Course 3. Second Semester, three hours.

5. Political Science. 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 na-

tional and local governments, and party systems;—special attention being given to Great Britain and the most important European countries. Text-books, assigned readings, lectures, and reports by the students. Elective for Juniors and Seniors, who have taken History 1 and 2. First Semester, three hours.

6. Political Science, continued. Deals with American Government, federal, state, and local; with party government and machinery, and American problems and political conditions. Text-books, assigned readings, lectures, and reports by the students. Elective for Juniors and Seniors, who have taken Course 5. Second Semester, three hours.

ECONOMICS AND SOCIOLOGY

ASSOCIATE PROFESSOR WOLFE

1. Elements of Economics. After a brief study of the economic history of the United States, emphasis is laid upon fundamental economic definitions, laws and principles. First Semester, three hours. Elective for Sophomores, Juniors, and Seniors.

2. Elements of Economics. The study of the principles of economics is continued, and attention is given to contemporary economic problems relating to corporations, railroad transportation, and taxation. Second Semester, three hours. Elective for Sophomores, Juniors, and Seniors.

Courses 1 and 2 are continuous courses, and their completion is required for admission into any other courses of the department. Class-room discussion based on text-books, collateral reading and lectures. A prepared article on an assigned topic is required from all students each semester.

3. Public Finance. A study of principles controlling the financial policy and administration of our Federal, State and Municipal governing bodies. Attention is devoted to problems of taxation, the operation of existing taxing systems and the incidence of particular taxes, and to public indebtedness, and to the use of the budget. Lectures, class-room work, collateral reading and special papers. First Semester, three hours. Elective for Juniors and Seniors. Prerequisite, Courses 1 and 2. Given in 1917-1918 and alternate years.

4. Railroad Transportation. A study of railroad transportation in the United States and of the economic principles governing the fixing of railroad rates and the issue of railroad

securities. Public policy toward railroad corporations and the proposal for government ownership are considered. Lectures, class-room work, assigned readings, and special papers. Second Semester, three hours. Elective for Juniors and Seniors. Prerequisite, Courses 1 and 2. Given in 1917-1918 and alternate years.

5. Corporations. A study of the structure, functions, promotion and financing of business organizations. Lectures, textbooks, discussions, and collateral reading. First Semester, three hours. Elective for Juniors and Seniors. Prerequisite, Courses 1 and 2. Given in 1918-1919 and alternate years.

6. Money and Banking. A study of the nature and functions of money and credit. The banking history of the United States and the workings of the great European banks are considered. Recent reforms in our national banking system for providing an elastic currency, mobilizing bank reserves and creating a market for rediscount of commercial paper will be studied. Lectures, discussions, and assigned readings. Second Semester, three hours. Elective for Juniors and Seniors. Prerequisite, Courses 1 and 2. Given in 1918-1919 and alternate years.

7. Sociology. Principles of Sociology. This course is devoted to a study of the evolution of society, group formation and structure, social control, social pathology, and social progress. Lectures, class-room discussion, collateral reading and special papers. First Semester, three hours. Elective for Juniors and Seniors. Prerequisite, Courses 1 and 2 of Economics.

8. Sociology, continued. Social Problems. A study of certain concrete social problems such as poverty and destitution, principles of relief and the methods of organized charity. Lectures, class-room discussion, assigned reading, and special papers. Second Semester, three hours. Elective for Juniors and Seniors. Prerequisite, Courses 1 and 2 of Economics.

HISTORY OF ART

PROFESSOR WHITE

1. Oriental and Greek Art, with particular attention to Greek Sculpture. Elective for Juniors and Seniors. First Semester, three hours.

2. Roman and Medieval Art, with particular attention to

Gothic Architecture. Elective for those who have completed Course 1. Second Semester, three hours.

3. Renaissance Art, with particular attention to Italian Painting. Elective for Juniors and Seniors. First Semester, three hours.

4. Modern Art. Elective for those who have completed Course 3. Second Semester, three hours.

Courses 1 and 2 are given in 1917-1918 and alternate years; Courses 3 and 4 in 1916-1917 and alternate years.

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 aesthetic taste.

MATHEMATICS, DRAWING, AND ASTRONOMY

PROFESSOR ASHCRAFT, ASSISTANT PROFESSOR CARTER, AND
ASSISTANT PROFESSOR TREFETHEN

1. Algebra. 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. Divisions 1, 2, 3, 4. First Semester, four hours.

2. Same as Course 1. Required of the women of the Freshman class. Divisions 1, 2. First Semester, four hours.

3. Solid Geometry and Plane Trigonometry.

(a) Solid Geometry, including 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. Divisions 1, 2, 3. Second Semester, two hours.

(b) Plane Trigonometry. 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. Divisions 1, 2, 3. Second Semester, two hours.

4. Solid Geometry and Plane Trigonometry.

(a) Same as Course 3 (a). Required of the women of the

Freshman class who do not offer Solid Geometry for entrance. Divisions 1, 2. Second Semester, two hours.

(b) Same as Course 3 (b). Required of the women of the Freshman class who do not offer Solid Geometry for entrance. Divisions 1, 2. Second Semester, two hours.

5. Plane and Spherical Trigonometry, with applications to Geodesy and Astronomy. Required of the men of the Freshman class who offer Solid Geometry for entrance. Division 4. Second Semester, four hours.

6. Same as Course 5. Required of the women of the Freshman class who offer Solid Geometry for entrance. Second Semester, four hours.

7. Analytic Geometry. 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. First Semester, three hours.

PROF. ASHCRAFT AND ASST. PROF. CARTER.

8. Elementary Differential and Integral Calculus. 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. Second Semester, three hours.

PROFESSOR ASHCRAFT.

9. Advanced Calculus. 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. First Semester, three hours.

PROFESSOR ASHCRAFT.

10. Differential Equations and Analytic Geometry of Space. 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. Second Semester, three hours.

PROFESSOR ASHCRAFT.

11. Higher Algebra. 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 inva-

riants; covariants, etc. In part a lecture course. Elective for those who have take Course 8. First Semester, three hours.

PROFESSOR ASHCRAFT.

12. Analysis and Modern Methods. A continuation of Course 11. Special topics of Analytic Geometry, supplementing Course 7; systems of coördinates; higher plane curves, making use of elementary Calculus. Elective for those who have taken Course 11. Second Semester, three hours.

PROFESSOR ASHCRAFT.

13. Mechanics. 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. First Semester, three hours.

ASSISTANT PROFESSOR CARTER.

14. Mechanics. Kinetics; the motion of a particle under the action of forces; work, energy, impulse, potential; dynamics of a rigid body. Continuation of Course 13, and elective for those who have completed that course. Second Semester, three hours.

ASSISTANT PROFESSOR CARTER.

15. Surveying. Theory and use of instruments, with field and office work. Elective for Seniors. First Semester, three hours.

ASSISTANT PROFESSOR CARTER.

16. Continuation of Course 15. Elective for those who have taken that course. Second Semester, three hours.

ASSISTANT PROFESSOR CARTER.

DRAWING AND DESCRIPTIVE GEOMETRY

ASSISTANT PROFESSOR CARTER

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, stu-

dents preparing for engineering professions, may anticipate studies required for technical subjects.

1. Mechanical Drawing and Descriptive Geometry. 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. First Semester, three periods of two hours each.

2. Mechanical Drawing and Descriptive Geometry. Continuation of Course 1, and elective for those who have completed that course. Second Semester, three periods of two hours each.

ASTRONOMY

ASSISTANT 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. Young's Manual of Astronomy is used as a text-book. Recitations, discussions, informal lectures. Observation 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. First Semester, three hours.

2. General Astronomy. Continuation of Course 1, and elective for those who have completed that course. Second Semester, three hours.

PHYSICS

PROFESSOR GROVER, AND ASSISTANT PROFESSOR TOLMAN

1. General Physics. Mechanics: kinematics, dynamics, machines, elasticity, hydrostatics, and elementary hydrodynamics. Sound: wave motion, physical basis of music, vibrations of strings, rods, plates, and organ pipes. Heat: nature and effects

of heat, change of state, liquefaction of gases, conduction, radiation, and elementary thermodynamics. First Semester, four hours.

ASSISTANT PROFESSOR TOLMAN.

3. General Physics. A continuation of Course 1. Electricity and Magnetism: elementary magnetic phenomena; electrostatics,—induction, potential, and capacity; electrokinetics,— the electric current, discussion of the laws of Faraday, Ohm, and Kirchoff; thermoelectricity; electromagnetism,—magnetic effects of a current, electromagnets, magnetic and electromagnetic induction, applications of electromagnetism to measuring instruments, and to commercial apparatus; direct and alternating current machinery; electric waves and wireless telegraphy; passage of electricity through gases, and elementary discussion of modern theories of electricity and of matter.

Light: wave theory, reflection, refraction, dispersion and color phenomena, diffraction and polarization of light, and elementary theory of optical instruments. Second Semester, four hours.

ASSISTANT PROFESSOR TOLMAN.

Courses 1 and 3, are required of Freshmen, B. S. course both men and women and are elective for those taking B. A. course.

The classes will be divided into sections according to previous training.

5. Experimental Physics. A general laboratory course covering the principles taken up in Course 1, i. e. mechanics, sound, and heat. The purpose of this course is to give practice in the setting up and adjusting of delicate physical apparatus, in its application to the making of precise physical measurements, in the judicious interpretation of results, as well as to give an insight into the manner of carrying on scientific investigations. As much weight is given to theory and interpretation as to accuracy of results. This course is especially designed for those who intend to teach, or study medicine. It is required as preparation for the engineering courses, or for those who wish to enter the Massachusetts Institute of Technology or other technical schools with advanced standing. 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. First Semester, three periods of two hours each.

PROFESSOR GROVER.

6. Experimental Physics. A continuation of Course 5, applying the principles taken up in Course 3,—i. e. light, and

elementary electricity and magnetism. Elective for those who have completed Physics 5. Second Semester, three periods of two hours each.

PROFESSOR GROVER.

7. Theory of Heat. The purpose of this course is to give students a more thorough training in the mathematical principles and the more refined measurements of thermal phenomena, than is possible in Physics 1. It is introductory to, and required by, the course in Thermodynamics. The subjects covered are in outline: the nature and difficulties of precise heat measurements, the variation of physical properties and constants with the temperature, the thermal behavior of actual gases and vapors as distinguished from ideal gases, the kinetic gas theory as extended to these cases, the production and measurement of extreme 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, especially their application to various useful problems other than the theory of the heat engine. Some attention is paid to the historical side of the subject, as helping, by tracing their development, to understand the fundamental principles. Elective for those who have completed Mathematics 8, and are pursuing Mathematics 9, and have passed Physics 1 and 3. First Semester, three hours.

ASSISTANT PROFESSOR TOLMAN.

8. Thermodynamics of Heat Engines. 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. It should therefore be taken by all engineering students collaterally with their electrical courses. 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. The newer graphical methods or Entropy Diagrams are largely employed, as being more comprehensible and involving less calculus than the older analytical methods. Some problems and the working up of an engine test

are required. Elective for all who have completed Course 7, and Mathematics 9. Second Semester, three hours.

ASSISTANT PROFESSOR TOLMAN.

9. Electricity and Magnetism. A study of the general principles of electricity and magnetism, taken up in more detail than in Course 3, and intended to give a good knowledge of the more common electrical apparatus, together with an understanding of the applications of electricity in daily life. Laboratory exercises alternate with class-room exercises, the experiments being arranged to accompany and illustrate the text. This course is designed as an introduction to the more specialized electrical Courses 10-14, and is required as a preparation for the latter, but attention has been paid to the needs of the teacher of science. Elective for those who have passed Courses 1 and 3. First Semester, three hours. PROFESSOR GROVER.

10. A continuation of Course 9, especial attention being paid to the most important applications of electricity.

PROFESSOR GROVER.

Students intending to specialize in electricity should select Courses 9 and 10 in their Sophomore year, since the electrical courses form a continuum.

11. A course treating of the theory and practical design of the electrical dynamo and motor; together with the distribution of direct current for power and lighting. The solution of problems related to the course will be regarded as an important part of the work. Elective for those who have passed Course 10. First Semester, two recitation periods, and one laboratory period of two hours. PROFESSOR GROVER.

12. A continuation of Course 11 and elective for those who have finished that course. Electrical lamps and lighting systems, their characteristics and photometry. In the latter part of the course is taken up the elementary theory of alternating currents. The course is illustrated by laboratory tests of dynamos and motors and by the inspection of actual electrical plants. Second Semester, two recitation periods, and one laboratory period. PROFESSOR GROVER.

13. Theory of alternating currents. A study of alternating current generators and motors and systems of distribution, high tension power transmission, polyphase systems. Elective for those who have completed Courses 11 and 12, and Mathe-

matics 8. First Semester, two recitation periods, and one laboratory period of two hours. PROFESSOR GROVER.

14. A continuation of Course 13, and elective for those who have completed that course. In the latter part of the course some time is devoted to the practical theory of wireless telegraphy and construction of wireless telegraph plants. The work is illustrated in the laboratory by tests in alternating current generators and motors, and by the inspection of commercial plants. Second Semester, two recitation periods, and one laboratory period of two hours. PROFESSOR GROVER.

CHEMISTRY

PROFESSOR PARMENTER, ASSISTANT PROFESSOR CASWELL, AND MR. ROWE

1. General Chemistry. 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, B.A. Course, and for Sophomores, B.A. Course, who intend to take three years of Chemistry. First Semester, two one-hour periods, and one two-hour period. Text: Smith: "General Chemistry for Colleges."

PROF. PARMENTER, ASST. PROF. CASWELL, AND MR. ROWE.

2. General Chemistry. 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, who have taken Chemistry 1. Second Semester, two one-hour periods, and one two-hour period.

PROF. PARMENTER, ASST. PROF. CASWELL, AND MR. ROWE.

3. Qualitative Analysis. The important reactions, systematic separation and detection of the metals and acids. The complete analysis of inorganic substances. Laboratory work with lectures, recitations and quizzes. Elective for Juniors and Seniors who have passed Chemistry 1 and 2. First Semester,

three two-hour periods. Text: Baskerville and Curtman: "Qualitative Analysis." MR. ROWE.

4. Quantitative Analysis (elementary). A study of quantitative methods of separation and determination of metals and acids. Typical analyses will be made by gravimetric and volumetric methods. Laboratory work with lectures and recitations. Elective for Juniors and Seniors who have taken Chemistry 3. Second Semester, three two-hour periods. Text: Moody: "Quantitative Analysis." MR. ROWE.

5. Physical Chemistry. A survey course in chemical theory. Special attention is given to the elementary gas laws and the deductions from them; the interpretation of Van der Waals' equation; chemical equilibrium defined by the mass law and by the phase rule; the relation of physical constants to molecular structure; and the theory of electrolytic dissociation. Lectures and quizzes. Elective for Juniors and Seniors who have passed Chemistry 1 and 2, and have taken or are taking Chemistry 3. Text: Walker: "Introduction to Physical Chemistry." First Semester, three periods. ASSISTANT PROFESSOR CASWELL.

6. Organic Chemistry (elementary). A study of representative organic compounds, their preparation, properties and uses. Special emphasis is given to the compounds which are of practical or technical importance. Designed to meet the needs of students who intend to enter medical schools. Prerequisite for Chemistry 9 and 10. Lectures, recitations and quizzes. Elective for Juniors and Seniors who have taken Chemistry 5 or 3. Text: Clarke: "An Introduction to the Study of Organic Chemistry." Second Semester, three periods.

ASSISTANT PROFESSOR CASWELL.

(Courses 3 and 5; and 4 and 6 may be taken simultaneously.)

7. Household Chemistry. 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. First Semester, two one-hour periods and one two-hour period. PROFESSOR PARMENTER.

8. Chemistry of Food and Nutrition. 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 7. Second Semester, two one-hour periods and one two-hour period. Text: Sherman: "Food and Nutrition," and "Food Products."

PROFESSOR PARMENTER.

(Courses 3 and 7; 4 and 8; or 6 and 8 may be taken simultaneously by students of the Women's Division.)

9. Organic Chemistry (advanced). Courses 9 and 10 constitute a systematic treatment of organic theory. The study of the aliphatic hydrocarbons and their derivatives. Ultimate analysis of organic compounds. Lectures, quizzes and laboratory work. Elective for Seniors who have passed Chemistry 3 and 6. Texts: Perkin and Kipping: "Organic Chemistry." Lattermann: "Practical Methods of Organic Chemistry." Levy: "Organische Präparate." First Semester, three two-hour periods.

ASSISTANT PROFESSOR CASWELL.

10. Organic Chemistry (advanced). Comprehensive study of the benzene theory; benzene and its homologues; benzenoid derivatives and the more complex carbocyclic structures. Quantitative analysis and Molecular Weight determination of organic compounds. Lectures, quizzes and laboratory work. Elective for Seniors who have passed Chemistry 9. Second Semester, three two-hour periods.

ASSISTANT PROFESSOR CASWELL.

11. Quantitative Analysis (advanced). This course is intended to give theoretical and practical instruction in quantitative analysis as illustrated by selected gravimetric, volumetric, calorimetric, electro-chemical and gasometric methods. Written reports are required covering the theory and methods of analysis. Frequent problems are given. Laboratory work with lectures and quizzes. Elective for Seniors who have passed Chemistry 4 and 5. First Semester, three two-hour periods. Text: Olsen: "Quantitative Analysis."

PROFESSOR PARMENTER.

12. Quantitative Analysis (advanced). This course is a continuation of Chemistry 11. Industrial methods, food inspec-

tion, etc., are discussed, and frequent written reports are required. Students receive instructions in the use of such physical-chemical apparatus as the polariscope, colorimeter, refractometer, etc.

The analysis and examination of such material as sugar, milk, butter, cereals, coal, illuminating and lubricating oils, soap, paint, water for industrial purposes, etc., is undertaken. Laboratory work with lectures and quizzes. Elective for Seniors who have taken Chemistry 11. Second Semester, three two-hour periods.

PROFESSOR PARMENTER.

GEOLOGY

PROFESSOR LITTLE

1. Physiography. A brief consideration of the earth as a whole is followed by a more extended study of the land. The chief land forms are studied as to origin, evolution, and influence on human life. The main physiographic features of the United States are reviewed in connection with their influence upon the history and industry of the various sections. Lectures, recitations, and laboratory work. The laboratory work consists chiefly of the study of characteristic topographic forms from maps, models, and lantern slides. In addition field trips are taken in the fall and spring. Elective for Sophomores and Juniors. First Semester, two one-hour periods and one two-hour period.

semester the principles and applications of the science of

2. Physiography, continued. During the latter part of this meteorology are briefly reviewed. Elective for Sophomores and Juniors. Second Semester, two one-hour periods and one two-hour period.

3. General Geology. From the beginning of the term to Thanksgiving the origin and classification of the rocks of the earth's surface are considered. This is followed by a brief review of the geologic processes and their results as brought out in Courses 1 and 2. From this time to midyear the structural features of rocks and dynamic forces acting upon them are considered. Lectures, recitations, and laboratory work. The laboratory work consists in the study of the common rock-making minerals and of the common rocks. Actual collecting in the field is carried on as much as possible. Maps and charts are also freely consulted. Elective for Juniors and Seniors,

and for Sophomores who presented physiography for entrance. First Semester, two one-hour periods and one two-hour period.

4. General Geology, continued. The second semester is largely occupied by the study of Historical Geology, with especial reference to the past history of the North American continent and to the evolution of life. Lectures, recitations, laboratory and field work. Elective for Sophomores, Juniors, and Seniors who have taken Geology 3. Second Semester, two one-hour and one two-hour periods.

5. Mineralogy. Crystallography, descriptive Mineralogy, and Blowpipe Analysis. Lectures, recitations, and laboratory work. The laboratory work includes the study of crystal models and natural crystals; also the identification of minerals both by their physical characteristics and by the blowpipe. Elective for those who have taken Chemistry 1 and 2. First Semester, three two-hour periods.

6. Economic Geology. The non-metallic minerals. The occurrence, classification, and origin of coal and oils. Necessity of conservation. The chief building stones. Cements, their classification and manufacture. The occurrence, origin, and use of graphite, gypsum, phosphates, salt, and other common non-metallic products.

The metallic minerals. The origin and classification of ore deposits. Brief description of the world's greatest deposits of gold, silver, lead, iron, copper, etc., with especial attention to the deposits of the United States. Elective for those who have had Geology 5, or any of the preceding courses in Geology. Second Semester, three two-hour periods.

BIOLOGY

PROFESSOR CHESTER

1. Biology. Lectures, recitations and laboratory exercises. Elective for Freshmen, Sophomores, and Juniors. First Semester, two one-hour periods and one two-hour period.

2. Biology, continued. Second Semester, two one-hour periods and one two-hour period.

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 each other; a brief survey of the history of biology and a short discussion of the theories of heredity and evolution.

1. Zoölogy. The anatomy, physiology and classification of animals. Typical representatives of the various groups will be taken up in the laboratory. Elective for those who have taken Biology 1 and 2. First Semester, three two-hour periods.

2. Zoölogy. This course treats of the adaptations, variations, distribution, evolution and heredity of animals. Recitations, lectures, assigned reading and special papers together with work in the laboratory. Elective for those who have taken Biology 1 and 2. Second Semester, three two-hour periods.

3. Comparative Anatomy of Vertebrates. Lectures, recitations and laboratory work. Elective for Juniors, and Seniors who have taken, or are taking Zoölogy 1. First Semester, three two-hour periods.

4. Comparative Anatomy of Vertebrates, continued. Elective for those who have taken Zoölogy 3. Second Semester, three two-hour periods.

Courses 3 and 4 deal with the development, classification, and comparative anatomy of vertebrates, and the changes found in passing from the lower to the higher forms. In the laboratory, dissections of special representatives of the various classes will be studied. Given in 1917-1918 and alternate years.

5. Elementary Histology. This course is designed especially to train the student to prepare tissues for microscopic study. After preparation these are used to illustrate various fundamental structures which are to be studied in the lecture room. Elective for those who have taken Biology 1 and 2 and who have taken, or are taking Zoölogy 1. First Semester, three two-hour periods.

6. Elementary Embryology. The methods used in Zoölogy 5 will be continued in this course. Elective for those who have taken Zoölogy 5.

Zoölogy 5 and 6 are given in 1916-1917 and alternate years.

BOOKS AND LIBRARIES

ASSOCIATE PROFESSOR CHIPMAN

A. The use of the library: individual instruction in the use of the catalogue, periodical indices, and reference books. Re-

quired of all Freshmen, both divisions. First Semester, two 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. Elective for a limited number of Juniors and Seniors. First Semester, three periods a week at the convenience of the Librarian and the class.

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.

For Courses 1 and 2 a fee of two dollars is charged for materials used.

MUSIC

MRS. WHITE

1. Musical Appreciation and History of Music.

(a) Musical Appreciation: study of musical form, from the Folk-song, through Fugue, Suite, Gavotte and early dance-forms, to Sonata and Symphony, with analysis and illustration.

(b) History of Music. Primitive Music; Song in the early Christian Church. Development of Music Notation; Polyphonic Music and the Netherlanders; Choral Music of the Sixteenth Century; Development of Instruments and Instrumental Music; Invention of Opera and Oratorio.

Elective for all classes of the Women's Division. First Semester, three hours.

2. Continuation of Course 1. Development of Sonata and Symphony; Chamber Music; Programme Music. Study of Old Classic Composers, and of Romantic and Modern Composers, with programmes selected from their principal works. Study of Opera in its different 'schools': Italian, French, German, and Modern Opera, with special study of the Wagner Music Dramas.

Elective for those who have completed Course 1. Second Semester, three hours.

With each lesson throughout the year's work a programme of music is played by the instructor for purposes of analysis and illustration, and to acquaint the student with the masterpieces.

3. Pianoforte. A course in practical music, with thorough technical drill and interpretation of the music of the masters. Elective for those who are already somewhat proficient at the pianoforte. First Semester, one hour-lesson each week and two hours of practice daily.

4. Continuation of Course 3. Second Semester, one hour-lesson each week and two hours of practice daily.

For Courses 3 and 4 a special fee is charged.

SYNOPSIS OF COURSES

Courses in the following outline which are printed in *italics* are not offered during the year 1916-1917.

FRESHMAN YEAR

To meet the needs of those offering the various languages or combinations of languages for entrance, the work of the Freshman Year is arranged in nine groups, as follows:

B. A. COURSE—For Those Offering

1. GREEK

Required

Latin 1, 3; or 2, 4
French 1, 2
Reading 1, 3 (Men)
Math. 1, 3 or 5; 2, 4 or 6
Books and Libraries A
Hygiene 2; Reading 2 (Women)

Elective (one)

Greek 5, 6
Greek 7, 8

Rhetoric 1, 3; or 2, 4
Drawing 1, 2
Physics 1, 3
Biology 1, 2
Music 1, 2 (Women)
Music 3, 4 (Women)

2. GREEK AND FRENCH

Required

Latin 1, 3; or 2, 4

Reading 1, 3 (Men)
Math. 1, 3 or 5; 2, 4 or 6
Books and Libraries A
Hygiene 2; Reading 2 (Women)

Elective (two)

Greek 5, 6
Greek 7, 8
German 1, 3; or 2, 4
French 3, 4
French 5, 7; or 6, 8
Rhetoric 1, 3; or 2, 4
Drawing 1, 2
Physics 1, 3
Biology 1, 2
Music 1, 2 (Women)
Music 3, 4 (Women)

3. GREEK AND GERMAN

Required

Latin 1, 3; or 2, 4
 Reading 1, 3 (Men)
 Math. 1, 3 or 5; 2, 4 or 6
 Books and Libraries A
 Hygiene 2; Reading 2 (Women)

Elective (two)

Greek 5, 6
 Greek 7, 8
 German 5, 6
 French 1, 2
 Rhetoric 1, 3; or 2, 4
 Drawing 1, 2
 Physics 1, 3
 Biology 1, 2
 Music 1, 2 (Women)
 Music 3, 4 (Women)

4. FRENCH AND GERMAN

Required

Latin 1, 3; or 2, 4
 Reading 1, 3 (Men)
 Math. 1, 3 or 5; 2, 4 or 6
 Books and Libraries A
 Hygiene 2; Reading 2 (Women)

Elective (two)

Greek 1, 2
 German 5, 6
 French 3, 4
 French 5, 7; or 6, 8
 Rhetoric 1, 3; or 2, 4
 Drawing 1, 2
 Physics 1, 3
 Biology 1, 2
 Music 1, 2 (Women)
 Music 3, 4 (Women)

5. FRENCH

Required

Latin 1, 3; or 2, 4
 Reading 1, 3 (Men)
 Math. 1, 3 or 5; 2, 4 or 6
 Books and Libraries A
 Hygiene 2; Reading 2 (Women)

Elective (two)

Greek 1, 2
 German 1, 3; or 2, 4
 French 3, 4
 French 5, 7; or 6, 8
 Rhetoric 1, 3; or 2, 4
 Drawing 1, 2
 Physics 1, 3
 Biology 1, 2
 Music 1, 2 (Women)
 Music 3, 4 (Women)

6. GERMAN

Required

Latin 1, 3; or 2, 4
 Reading 1, 3 (Men)
 Math. 1, 3 or 5; 2, 4 or 6
 Books and Libraries A
 Hygiene 2; Reading 2 (Women)

Elective (two)

Greek 1, 2
 German 5, 6
 French 1, 2
 Rhetoric 1, 3; or 2, 4
 Drawing 1, 2
 Physics 1, 3
 Biology 1, 2
 Music 1, 2 (Women)
 Music 3, 4 (Women)

B. S. COURSE—For Those Offering

7. FRENCH AND GERMAN

Required

Math. 1, 3 or 5; 2, 4 or 6
 Physics 1, 3
 Reading 1, 3 (Men)
 Books and Libraries A
 Hygiene 2; Reading 2 (Women)

Elective (two)

Greek 1, 2
 German 5, 6
 French 3, 4
 French 5, 7; or 6, 8
 Rhetoric 1, 3; or 2, 4
 Drawing 1, 2
 Biology 1, 2
 Music 1, 2 (Women)
 Music 3, 4 (Women)

8. FRENCH

Required

Math. 1, 3 or 5; 2, 4 or 6
 Physics 1, 3
 Reading 1, 3 (Men)
 Books and Libraries A
 Hygiene 2; Reading 2 (Women)

Elective (two)

Greek 1, 2
 German 1, 3; or 2, 4
 French 3, 4
 French 5, 7; or 6, 8
 Rhetoric 1, 3; or 2, 4
 Drawing 1, 2
 Biology 1, 2
 Music 1, 2 (Women)
 Music 3, 4 (Women)

9. GERMAN

Required

Math. 1, 3 or 5; 2, 4 or 6
 Physics 1, 3
 Reading 1, 3 (Men)
 Books and Libraries A
 Hygiene 2; Reading 2 (Women)

Elective (two)

Greek 1, 2
 German 5, 6
 French 1, 2
 Rhetoric 1, 3; or 2, 4
 Drawing 1, 2
 Biology 1, 2
 Music 1, 2 (Women)
 Music 3, 4 (Women)

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

A. Language and Literature.

B. History, Economics, and Philosophy. (This group includes Art and Music.)

C. Mathematics, and the Physical and Natural Sciences.

Each candidate for graduation is required to take, in addition to the work specifically stated as "required," a minimum of 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.

SOPHOMORE YEAR

Five courses must be taken each Semester.

Required*First Semester*

German 1, 2* ; or French 1
Rhetoric 1, 2†
Chemistry 1 (B. S. Course)

Second Semester

German 3, 4* or French 2
Rhetoric 3, 4†
Chemistry 2 (B. S. Course)

*Required if not taken in Freshman year or an equivalent offered for admission to college.

†Required if not taken in Freshman year.

Extra electives must be substituted in place of these courses if previously taken.

Elective

Greek 1	Greek 2
Greek 3	Greek 4
<i>Greek 5</i>	<i>Greek 6</i>
Greek 7	Greek 8
Latin 5	Latin 6
German 5	German 6
German 7	German 8
German 9	German 10
German 11	German 12
French 3	French 4
French 5, 6	French 7, 8
French 11	French 12
Spanish 1	Spanish 2
Italian 1	Italian 2
Rhetoric 5	Rhetoric 6
English 5	English 6
Debating 5	Public Speaking 6
Journalism 1	Journalism 2
History 1	History 2
Economics 1	Economics 2
Mathematics 7	Mathematics 8
Drawing 1	Drawing 2
Physics 1	Physics 3
Physics 5	Physics 6
Physics 9	Physics 10
Chemistry 1 (B. A. Course)	Chemistry 2 (B. A. Course)
Geology 1	Geology 2

Geology 3	Geology 4
Zoölogy 1	Zoölogy 2
Biology 1	Biology 2
Music 1 (Women)	Music 2 (Women)
Music 3 (Women)	Music 4 (Women)

JUNIOR YEAR

Five courses must be taken each Semester.

All Elective

<i>First Semester</i>	<i>Second Semester</i>
Greek 1	Greek 2
Greek 3	Greek 4
<i>Greek 9</i>	<i>Greek 10</i>
Greek 11	Greek 12
<i>Latin 7</i>	
Latin 8	Latin 9
German 5	German 6
German 7	German 8
German 9	German 10
German 11	German 12
French 3	French 4
French 5, 6	French 7, 8
French 9	French 10
French 11	French 12
French 13	French 14
Spanish 1	Spanish 2
Spanish 3	Spanish 4
Italian 1	Italian 2
Rhetoric 5	Rhetoric 6
Rhetoric 7	Rhetoric 8
English 1	English 2
<i>English 3</i>	<i>English 4</i>
English 5	English 6
English 7	English 8
English 9	English 10
<i>English 11</i>	<i>English 12</i>
Debating 5	Public Speaking 6
Journalism 1	Journalism 2
Philosophy 1	Philosophy 2
<i>Philosophy 3</i>	<i>Philosophy 4</i>

History 1	History 2
History 3	History 4
Politics 5	Politics 6
Economics 1	Economics 2
<i>Economics 3</i>	<i>Economics 4</i>
Economics 5	Economics 6
Sociology 7	Sociology 8
Art 1	Art 2
Mathematics 7	Mathematics 8
Mathematics 9	Mathematics 10
Mathematics 11	Mathematics 12
Mathematics 13	Mathematics 14
Drawing 1	Drawing 2
Astronomy 1	Astronomy 2
Physics 5	Physics 6
Physics 7	Physics 8
Physics 9	Physics 10
Physics 11	Physics 12
Chemistry 1	Chemistry 2
Chemistry 3	Chemistry 4
Chemistry 5	Chemistry 6
Chemistry 7 (Women)	Chemistry 8 (Women)
Geology 1	Geology 2
Geology 3	Geology 4
Geology 5	Geology 6
Zoölogy 1	Zoölogy 2
<i>Zoölogy 3</i>	<i>Zoölogy 4</i>
Zoölogy 5	Zoölogy 6
Biology 1	Biology 2
Books and Libraries 1	Books and Libraries 2
Music 1 (Women)	Music 2 (Women)
Music 3 (Women)	Music 4 (Women)

SENIOR YEAR

Five courses must be taken each Semester.

All Elective

First Semester

Greek 1
Greek 3
Greek 9

Second Semester

Greek 2
Greek 4
Greek 10

Greek 11	Greek 12
<i>Latin 7</i>	Latin 9
Latin 8	German 8
German 7	German 10
German 9	German 12
German 11	French 7, 8
French 5, 6	French 10
French 9	French 12
French 11	French 14
French 13	French 16
French 15	Spanish 2
Spanish 1	Spanish 4
Spanish 3	Italian 2
Italian 1	Rhetoric 6
Rhetoric 5	Rhetoric 8
Rhetoric 7	English 2
English 1	<i>English 4</i>
<i>English 3</i>	English 6
English 5	English 8
English 7	English 10
English 9	<i>English 12</i>
<i>English 11</i>	Public Speaking 6
Debating 5	Public Speaking 8
Public Speaking 7	Journalism 2
Journalism 1	Philosophy 2
Philosophy 1	<i>Philosophy 4</i>
<i>Philosophy 3</i>	History 2
History 1	History 4
History 3	Politics 6
Politics 5	Economics 2
Economics 1	<i>Economics 4</i>
<i>Economics 3</i>	Economics 6
Economics 5	Sociology 8
Sociology 7	Art 2
Art 1	Mathematics 10
Mathematics 9	Mathematics 12
Mathematics 11	Mathematics 14
Mathematics 13	Mathematics 16
Mathematics 15	Drawing 2
Drawing 1	Astronomy 2
Astronomy 1	Physics 6
Physics 5	

Physics 7
Physics 9
Physics 11
Physics 13
Chemistry 3
Chemistry 5
Chemistry 7 (Women)
Chemistry 9
Chemistry 11
Geology 3
Geology 5
Zoölogy 1
Zoölogy 3
Zoölogy 5
Books and Libraries 1
Music 1 (Women)
Music 3 (Women)

Physics 8
Physics 10
Physics 12
Physics 14
Chemistry 4
Chemistry 6
Chemistry 8 (Women)
Chemistry 10
Chemistry 12
Geology 4
Geology 6
Zoölogy 2
Zoölogy 4
Zoölogy 6
Books and Libraries 2
Music 2 (Women)
Music 4 (Women)

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 recommendation 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.

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 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.

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.

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 feet by forty 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 Commons Club. 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 residence 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.

All students not residing in Waterville are expected to live in the college houses. Rooms are assigned in order of application. An applicant is not entitled to an assignment of a room until she has paid a fee of \$10.00, 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 amount prepaid will be refunded.

Each student must provide her own rugs, bedding, towels, napkins and napkin rings; the College provides single beds and all necessary furniture. All rooms are supplied with electric lights.

GYMNASIUM

THE GYMNASIUM is conveniently located on the college grounds and is admirably adapted to the purpose for which it was designed. It is well furnished with apparatus for gymnastic exercises and physical training, in which instruction is given by a competent instructor in gymnastics. The Gymnasium is provided with baths, practice rooms, a baseball cage, a back-board for hand ball, and is equipped with a new hardwood floor, 62 x 67 feet, and 100 new steel lockers, and steam-heating apparatus.

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; a 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; a cloak room and toilet room for the women.

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, and a coat and toilet room for men, 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, spectroscope, polariscope, 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 C. 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.

THE OBSERVATORY is used for purposes of instruction. Students in Astronomy are given frequent opportunities to examine the most interesting celestial objects through the telescope, and receive instruction in the theory and use of all the instruments in the Observatory.

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 crystallized. 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.

The Library

The Library contains 54,000 bound volumes and several thousand unbound pamphlets. More than 6,000 volumes have been added in the last six years with the object of providing for both teachers and students the best books relating to the courses of the curriculum.

The 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 works, a general collection of 12,000 volumes of special value to the student, the collection of bound magazines numbering more than 2,000 volumes, 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 regu-

larly receives the public documents issued by the United States government.

The entire collection is classified by the Decimal Classification and is supplied with a dictionary card catalogue. All Freshmen are given individual instruction in the use of the card catalogue, reference books, and the *Readers' 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 from 7 to 9 P. M. (except Saturday). On Sunday afternoon the reading-room is open from 2 to 5.

Lectures

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 1916 was President Ernest Martin Hopkins of Dartmouth College.

GENERAL INFORMATION

Administration of the College

REGISTRATION

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 the Freshmen of the Men's Division register at the President's office. Chapel service for the women is held at two o'clock in the afternoon, and immediately afterwards the Freshmen of the Women's Division register at the President's office. Men of the upper classes register at the Lecture Room in Chemical Hall and women of the upper classes at the Dean's office in Foss Hall; the hours of registration are from 9.30 A. M. to 5.00 P.M.

GOVERNMENT

The Advisory System

Advisers. Immediately after the Easter recess each student, after he has been given the opportunity to express his own preference, 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, and no student shall register for more than eighteen hours except by permission of the Faculty. Freshmen, Sophomores and Juniors must elect studies for the following year on the Friday forenoon 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.

The Board of Conference

This organization has for its purpose the association of faculty and students in a co-operative administration of college affairs. It is designed thus to secure an equitable and satisfactory settlement of questions of college government, by insuring that such questions shall be impartially considered in the two-fold light thrown upon them from the respective standpoints of the college officer and the student. The Men's Division of the Conference Board consists of two committees, one committee representing the faculty, and the other representing the students. The latter committee consists of ten members, there being one representative of each of the college classes, and one of each of the Greek letter fraternities. Similarly, the Women's Division of the Conference Board consists of two committees, one consisting of the Dean, who is *ex-officio* chairman of the Board, and the other, a student committee of ten members.

EXAMINATIONS

Oral or written examinations of all classes are held at the close of each semester, as indicated in the Calendar 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 third 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 col-

lege, 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, and notice is also sent to the student's adviser.

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.; "B," a rank of eighty per cent. to eighty-nine per cent.; "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. and a condition.

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

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

This rule shall apply to the class of 1918 and to succeeding classes.
For the class of 1917 instead of "three" read "four."

No student shall be permitted to elect more than six courses unless his average grade for the previous semester shall have been 80 or more.

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;

provided that the student shall first have received warning from the Registrar and from his adviser.

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 his 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.

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 at the room opposite the President's office on Monday from 1.30 to 2.30, on Wednesday from 1.30 to 2.30 and on Saturday from 11.15 to 12.15. Excuses can be obtained at no other time or place.

EXPENSES**Men's Division**

The regular charges per semester are: for tuition \$30, and for term expenses, including library, gymnasium, and other incidentals, \$15,—making a total of \$45 a semester. Room rent for students living in the Chapter Houses on the Campus is \$22.50 a semester and for students living in Hedman Hall and in Roberts Hall from \$22.50 to \$27.50 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 upon 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 \$3.50 to \$4.00 per week.

Women's Division

The tuition for all students is \$30 a semester, in addition to \$15 a semester for incidental expenses, making a total of \$90 a year. For students living in Foss Hall, the total charge for tuition, board, and furnished room is \$290 a year, for those in Mary Low Hall, and in Dutton House \$280 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 \$9 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 5, 6, 11, 12, 13, and 14, \$5.00 per semester; Chemistry: Courses 1 and 2, \$4.00 per semester;

Courses 3 and 4, \$5.00 per semester; 7 and 8, \$4.00 per semester; 11 and 12, \$5.00 per semester; Geology: Courses 3 and 4, \$2.00 per semester; Courses 1, 2, 5, and 6, \$3.00 per semester; Biology: Biology 1 and 2, \$2.50 per semester; Zoölogy 1 and 2, \$2.50 per semester, and Zoölogy 3, 4, 5, and 6, \$4.00 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 maintains an efficient employment bureau and is aided by the coöperation of a great number of interested friends throughout the city. This present year more than seventy-five young men are earning their board or its equivalent in the time they can spare from their studies.

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 endowed scholarships, amounting to \$90,000. 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.

Honors

PRIZES

The following prizes are offered for the present year:

SENIOR CLASS. A prize of Fifteen Dollars for excellence in English Composition, to each Division of the Class.

JUNIOR CLASS. A first prize of Fifteen Dollars and a second prize of Ten Dollars for excellence in Declamation and Composition, to each Division of the Class.

SOPHOMORE CLASS. Men's Division: a first prize of Ten Dollars and a second prize of Five Dollars for excellence in Declamation.

Women's Division: The Hamlin Prizes for the same amounts for excellence in Reading.

GERMAN PRIZES. A first prize of Ten Dollars and a second prize of Five Dollars for excellence in the courses in German, to each Division of the Class.

FRESHMAN SCHOLARSHIP PRIZES. For excellence in Scholarship during the Freshman year: a first prize of Fifty Dollars, and a second prize of Twenty-five Dollars, to each Division of the Class, awarded at the close of the Freshman year.

FRESHMAN PRIZES. First and second prizes in Reading, for each Division of the Class, are awarded to the successful contestants in the Prize Readings held at the close of the second semester in each Division of the Freshman Class.

THE FOSTER MEMORIAL PRIZES, in memory of the late Professor John B. Foster. A prize of Twenty Dollars to a student of the Men's Division, and a like prize 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.

The Hallowell Prizes For Public Speaking

Special prizes aggregating *One Hundred Dollars*, the gift of Florentius Melancthon 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 selections rendered shall be excerpts from orations delivered by the best known American public speakers, and shall first be approved by the instructor in charge of the course.

3. The selections shall be of not over six minutes in length, and shall be prefaced by a brief statement, making clear the circumstances attending their first delivery.

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

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 Debating 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.

Lyford Interscholastic Prizes

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 Interscholastic Debating Prizes

Special prizes aggregating *One Hundred Dollars*, given in memory of Hon. Forrest Goodwin, class of 1887, of Skowhegan, are made available to the College and are open to students of the high schools and academies of Maine. The chief object of the prizes is to encourage a study of argumentation and debating, and the prizes will be awarded for general excellence in debating.

The following rules shall governing the awarding of these prizes:

1. Schools invited to have representation in the contest must

signify their acceptance of the invitation within five days of its receipt.

2. Two groups of schools shall be represented in the Contest, Group A, representing the high schools, and Group B, representing the academies.

3. For 1916-1917, Group A shall uphold the negative of the question for debate, and Group B, the affirmative.

4. Preliminary debates shall be held during the afternoon of the day of the Contest, in which two teams, one representing Group A, and one Group B, shall be selected to speak in the final debate in the evening.

5. Each team shall be composed of three speakers, each speaker to be allowed ten minutes in which to present his main speech; in the final debate ten minutes shall be allowed each side for rebuttal argument, but no time shall be allowed for rebuttal argument in the preliminary speaking.

6. Three boards of judges, selected by the President of the College shall pass upon the debates, one board for each Group, the Groups to meet independently, and one board for the final debate.

7. The judges shall award the decision on the basis of 50 points, of which Value of Argument shall count 25, Appearance, 15, and Pronunciation, 10.

8. The awards shall be as follows: To the winning team, a first prize of \$75, to be distributed equally among the three speakers; to the losing team, a second prize of \$25, to be distributed equally among the three speakers.

Class of 1888 Prizes

Two prizes of \$35 each, one for the best thesis written by a Senior in the Men's Division, and one for the best thesis written by a Senior in the Women's Division. Topic for 1916-1917: "The Political Responsibilities of Citizenship in our Republic."

A prize of \$30 for the best thesis written by a Junior in the Men's Division. Topic for 1916-1917: "How can the Best Men for the Elective Positions in College be Nominated and Elected by the Student Body?"

GRADUATING HONORS

Students who attain a rank of ninety-five per cent. throughout their college course will receive a diploma of the grade of "Summa cum Laude"; those who attain a rank between ninety-

two and ninety-five per cent., "Magna cum Laude"; those who attain a rank between eighty-eight and ninety-two per cent., "cum Laude".

If at any time a student who has not attained one of the "cum Laude" grades should attain a rank of ninety-five per cent. in any department, he may upon recommendation of the head of that department, and at the discretion of the Faculty, be mentioned in the program as having attained marked distinction in that particular department.

THE PHI BETA KAPPA SOCIETY

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

"Within the limits prescribed by the Constitution, viz: that no more than one-fourth of the entire number of graduates for any year shall be elected, only those students shall be eligible whose average rank 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.

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.

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 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.

3. 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.

4. 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.

PUBLIC WORSHIP

Men's Division

Chapel exercises are held in the College Chapel every day except Sundays at 9.55 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 required to attend the daily Chapel exercises, and are expected to attend public worship at least once on each Sun-

day of the Semester. Excuses for absence from Chapel must be presented to the President of the College. Such excuses are treated exactly as those for absence from class-room exercises. (See page 96).

Women's Division

Daily devotional exercises are held in the College Chapel at the close of the morning recitations (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 required to be present at the daily Chapel exercises, and are expected 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.

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 weekly prayer and conference meeting every Tuesday evening at 7.30 o'clock. 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 conferences 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.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION

Almost all of 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.

Alumni Associations

The General Alumni Association

The officers for 1916-1917 are: President, Rex W. Dodge, '06; Vice-President, Archer Jordan, '95; Secretary, Edwin C. Whittemore, '79; Treasurer, Charles W. Vigue, '98; Necrologist, Charles P. Chipman, '06; Executive Committee: R. W. Dunn, '68, T. E. Hardy, '95, and R. L. Ervin, '11; Alumni Representatives on the Athletic Committee, A. F. Drummond, '88, and C. W. Atchley, '03.

The Boston Colby Alumni Association

Officers for 1916-1917: President, Charles H. Pepper, '89; Vice-Presidents, W. N. Donovan, '92, Lincoln Owen, '89; Secretary-Treasurer, Bertram C. Richardson, '98, 12 Merlin St., Dorchester, Mass.

The New York Colby Alumni Association

Officers for 1916-1917: President, W. W. Drew, '02; Vice-President, G. A. Marsh, '01; Secretary-Treasurer, R. H. Bowen, '14, Mt. Vernon, N. Y.

Aroostook Colby Club

Officers for 1916-1917: President, George A. Gorham, '91; First Vice-President, Frank W. Tarbell, '04; Second Vice-President, Victor A. Gilpatrick, '13; Secretary, Albert K. Stetson, '07, Houlton; Treasurer, Walter F. Titcomb, '97.

Chicago Colby Club

Officers for 1916-1917: President, Herbert S. Philbrick, '97; Secretary, Franklin W. Johnson, '91, University High School, Chicago, Ill.

The Connecticut Valley Colby Association

Officers for 1916-1917: President, Albert R. Keith, '97; Secretary-Treasurer, Charles F. Seaverns, '01.

The Colby Alumnae Association

Officers for 1916-1917: President, Alice Lowe Brown; First Vice-President, Agnes Corinna Stetson, '99; Second Vice-President, Clara Prescott Morrill, '94; Secretary, Ethel Lenora Howard, '05; Treasurer, Alice May Purinton, '99; Executive Committee: Jennie Merrilees Smith, '81, Edith Watkins Chester, '04, Frances Horton Morrill, '94.

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

DREW THOMPSON HARTHORN, M. A., *Principal*

This school is the successor of the preparatory school established by the College in 1829, and incorporated as Waterville Academy in 1842. The Institute is the property of the corporation of Colby College. Two courses of study are offered:

1. The Classical Course, preparing students for entering college as candidates for the degree of B.A.
2. The Scientific Course, preparing students for entering college as candidates for the degree of B.S.

HEBRON ACADEMY

Hebron, Oxford County

WILLIAM EDWARD SARGENT, LITT.D., *Principal*

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

1. A thorough and complete College Preparatory Course of four years.
2. A Latin-Scientific Course of four years.
3. An English Course of four years.
4. An Introductory Course to which pupils are admitted at any stage of advancement, with the expectation that they will enter finally a regular course.

RICKER CLASSICAL INSTITUTE**Houlton, Aroostook County**JOHN LYFORD DYER, B.A., *Principal*

This school, incorporated as Houlton Academy, completed its sixty-eighth year in June, 1916. 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 Normal Course of four years.
5. A Music Course offering instruction in piano, organ, harmony, and voice.

HIGGINS CLASSICAL INSTITUTE**Charleston, Penobscot County**HOWARD AUSTIN MCLELLAN, B.A., *Principal*

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.

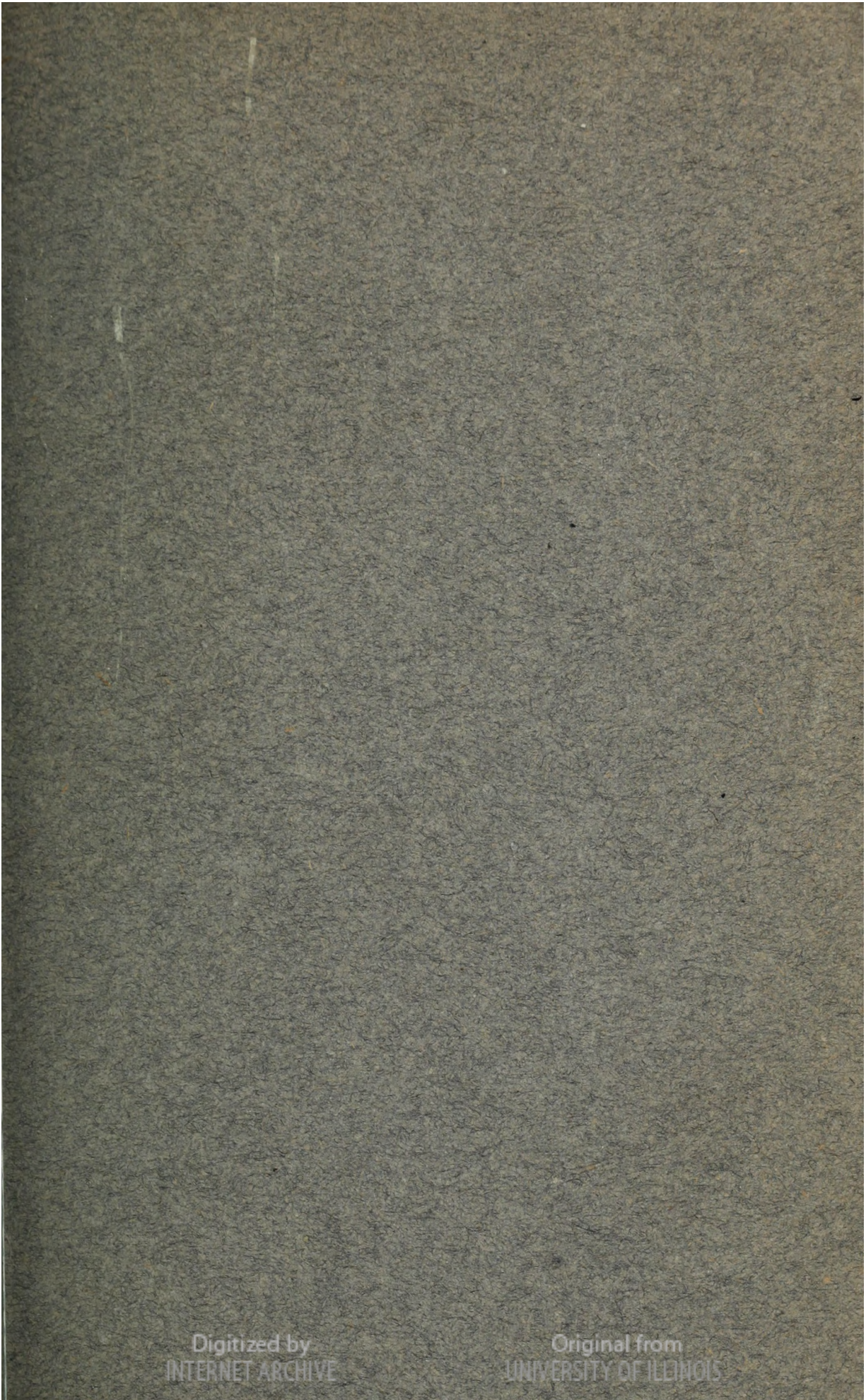
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